IES ROAD REPORT
PHOTOMETRIC FILENAME : GAU-LTL-60W-LED-10SP.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] 194001
[TESTLAB] RADIANT IMAGING PROSOURCE
[TESTDATE] 2019-04-08
[ISSUEDATE] 2019-04-08
[MANUFAC] LARSON ELECTRONICS LLC
[LUMCAT] GAU-LTL-60W-LED-10SP
[LUMINAIRE] 60W LED FLOOD LIGHT - 10 DEGREE OPTICS
[OTHER] EVERFINE GO-R5000_V2 SYSTEM
[LAMPPOSITION] 0,0

CHARACTERISTICS

IES Classification	Type VS
Longitudinal Classification	Very Short
Lumens Per Lamp	8100 (1 lamp)
Total Lamp Lumens	8100
Luminaire Lumens	8129
Downward Total Efficiency	100 %
Total Luminaire Efficiency	100 %
Luminaire Efficacy Rating (LER)	135
Total Luminaire Watts	60
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	66727.974
Maximum Candela Angle	202.5H 1V
Maximum Candela (<90 Degrees Vertical)	66727.974
Maximum Candela Angle (<90 Degrees Vertical)	202.5H 1V
Maximum Candela At 90 Degrees Vertical	0 (0.0% Lamp Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	0 (0.0% Lamp Lumens)
Cutoff Classification (deprecated)	Full Cutoff

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LUMINAIRE CLASSIFICATION SYSTEM (LCS)

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	3792.2	46.8	46.7
FM - Front-Medium (30-60)	288.8	3.6	3.6
FH - Front-High (60-80)	< 0.05	0.0	0.0
FVH - Front-Very High (80-90)	0.0	0.0	0.0
BL - Back-Low (0-30)	3891.3	48.0	47.9
BM - Back-Medium (30-60)	156.1	1.9	1.9
BH - Back-High (60-80)	0.0	0.0	0.0
BVH - Back-Very High (80-90)	0.0	0.0	0.0
UL - Uplight-Low (90-100)	0.0	0.0	0.0
UH - Uplight-High (100-180)	0.0	0.0	0.0
Total	8128.4	100.3	100.0
BUG Rating	B4-U0-G0		

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CANDELA TABULATION

Vert. Angles	Horizontal Angles									
	0.0	22.5	45.0	67.5	90.0	112.5	135.0	157.5	180.0	202.5
0	66586.18	166586.18	166586.18	166586.18	166586.18	166586.18	166586.18	166586.18	166586.18	166586.181
1	65310.68	765194.35	664756.49	464740.76	265113.01	965499.41	565835.47	566232.82	666709.70	266727.974
2	62760.70	862400.48	661617.11	461279.84	361510.81	562345.24	863490.66	064619.47	665336.43	865273.161
3	59485.34	658690.69	257751.30	157253.77	957382.45	158551.61	960402.70	462070.51	862747.21	562602.174
4	54869.23	453809.78	752793.77	852171.05	452235.54	853676.92	955896.50	158019.34	058960.36	458779.711
5	49797.47	348775.05	147714.97	746958.37	746994.39	248790.38	850962.17	153276.85	454711.56	154608.963
6	44268.91	143367.81	942267.35	241610.42	541593.50	643666.62	845596.71	447726.21	049513.32	149566.884
7	37946.79	437300.01	036322.80	135956.21	435808.58	737604.41	539238.83	540837.33	842691.08	942846.574
8	32213.71	931732.82	031088.28	230835.14	930697.95	631876.52	133114.22	334173.43	535829.41	135897.546
9	27136.22	126494.61	826216.91	825889.69	425813.79	626592.94	927350.25	427878.76	829230.27	529187.417
10	22612.77	521637.01	121557.30	221122.09	520938.27	821567.51	322162.11	822318.06	623361.06	423467.612
11	19109.55	718062.92	317872.30	617528.37	817068.70	517696.55	918411.07	218667.64	219457.57	319822.138
12	15762.56	814961.20	214522.70	914309.53	113613.09	714423.12	915179.28	215694.78	716249.94	316707.575
13	13187.24	712692.93	212097.54	411879.59	111256.37	112214.68	112879.36	313451.35	013761.57	514221.041
14	11067.80	510736.39	210136.66	09881.631	9523.587	10444.03	810905.69	011481.95	711588.53	811957.441
15	9198.389	8842.368	8454.111	8113.756	7942.547	8688.175	8962.500	9580.505	9627.920	9773.616
16	7817.334	7403.739	7294.046	6914.446	6732.608	7293.288	7545.655	8102.835	8159.393	8219.440
17	6619.054	6287.111	6296.498	6038.893	5820.289	6215.464	6495.933	6896.243	6938.546	7040.629
18	5490.589	5360.305	5277.081	5208.377	5004.298	5262.628	5541.409	5780.585	5800.180	5981.947
19	4656.856	4675.415	4512.567	4502.239	4369.370	4483.593	4740.269	4891.852	4949.734	5177.207
20	3930.353	4001.522	3874.175	3874.624	3837.744	3813.499	3976.407	4118.195	4191.744	4446.414
21	3402.914	3437.402	3397.589	3422.395	3399.599	3344.629	3399.619	3553.123	3537.388	3801.207
22	3018.725	2975.597	3009.056	2999.220	2991.464	2916.230	2944.454	3057.443	2923.600	3191.585
23	2710.537	2566.454	2655.126	2569.556	2627.555	2485.931	2525.265	2531.223	2354.175	2639.227
24	2439.777	2257.081	2373.333	2248.844	2314.733	2121.786	2144.285	2093.194	1976.201	2236.644
25	2192.212	2041.279	2109.225	1982.709	2013.670	1804.975	1794.651	1757.360	1724.882	1911.851
26	1971.829	1876.110	1822.822	1755.529	1766.070	1559.112	1513.835	1458.091	1486.612	1647.348
27	1774.043	1721.136	1599.293	1609.897	1600.872	1385.529	1344.723	1207.741	1254.876	1428.753
28	1555.224	1525.663	1414.952	1465.363	1417.205	1218.995	1204.842	988.310	1027.245	1165.480
29	1376.641	1352.020	1278.655	1310.581	1256.850	1111.321	1093.295	853.308	878.831	959.335
30	1230.601	1211.500	1151.799	1165.262	1112.420	1017.016	974.239	760.070	774.183	824.660
31	1092.268	1078.921	1037.095	1046.708	955.746	898.296	832.224	672.746	653.052	731.713
32	958.585	939.509	948.508	956.313	843.798	789.854	726.976	590.943	524.678	643.746
33	826.353	805.071	846.323	849.678	784.474	701.167	646.710	493.155	417.914	541.513
34	710.000	719.942	738.897	710.804	739.584	641.027	570.903	381.892	336.454	429.586
35	650.319	686.697	679.173	594.790	676.493	596.882	506.449	306.681	267.407	333.405
36	613.482	642.402	629.831	521.178	591.829	530.449	421.279	254.120	197.733	251.990
37	567.528	580.253	564.967	500.900	527.665	447.638	339.920	206.598	149.569	191.287
38	517.897	524.113	500.844	486.205	470.134	362.964	272.627	149.122	107.321	134.052
39	473.550	481.019	442.225	450.508	413.762	291.965	204.303	87.872	61.652	79.144
40	437.496	450.094	395.322	406.137	366.830	233.648	139.902	46.349	27.728	38.351
41	409.218	422.715	361.459	358.273	316.332	179.430	86.490	24.788	8.419	12.746
42	378.425	379.440	323.576	306.150	270.058	149.812	49.970	14.390	1.290	2.203
43	334.621	329.713	276.649	259.175	237.851	132.518	27.293	7.010	0.125	0.247
44	284.886	280.660	218.927	204.379	195.774	93.046	9.563	1.798	0.005	0.011
45	255.364	239.916	177.731	158.075	150.056	54.044	2.157	0.274	0.000	0.000
46	226.032	211.164	157.353	125.070	103.214	26.877	0.273	0.022	0.000	0.000
47	177.763	195.394	138.590	100.957	59.533	8.910	0.014	0.001	0.000	0.000
48	136.836	173.051	114.320	76.949	33.011	1.953	0.000	0.000	0.000	0.000
49	117.575	138.165	89.358	49.129	15.817	0.192	0.000	0.000	0.000	0.000
50	107.194	105.734	65.515	31.885	6.135	0.012	0.000	0.000	0.000	0.000
51	89.313	74.212	41.075	20.172	1.492	0.000	0.000	0.000	0.000	0.000
52	71.286	46.261	23.425	8.462	0.164	0.000	0.000	0.000	0.000	0.000

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CANDELA TABULATION - (Cont.)

53	63.372	30.542	14.887	2.150	0.011	0.000	0.000	0.000	0.000	0.000
54	54.511	23.826	8.126	0.289	0.000	0.000	0.000	0.000	0.000	0.000
55	35.235	20.221	2.701	0.015	0.000	0.000	0.000	0.000	0.000	0.000
56	17.409	13.818	0.577	0.000	0.000	0.000	0.000	0.000	0.000	0.000
57	5.979	6.782	0.055	0.000	0.000	0.000	0.000	0.000	0.000	0.000
58	1.568	3.312	0.004	0.000	0.000	0.000	0.000	0.000	0.000	0.000
59	0.250	1.312	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
60	0.017	0.260	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
61	0.001	0.030	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
62	0.000	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
63	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
64	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
65	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
66	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
67	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
68	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
69	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
70	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
71	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
72	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
73	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
74	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
75	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
76	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
77	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
78	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
79	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
80	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
81	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
82	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
83	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
84	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
85	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
86	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
87	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
88	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
89	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
90	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
91	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
92	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
93	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
94	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
95	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
96	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
97	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
98	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
99	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
100	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
101	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
102	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
103	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
104	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
105	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
106	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
107	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
108	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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CANDELA TABULATION - (Cont.)

109	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
110	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
111	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
112	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
113	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
114	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
115	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
116	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
117	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
118	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
119	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
120	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
121	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
122	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
123	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
124	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
125	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
126	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
127	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
128	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
129	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
130	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
131	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
132	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
133	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
134	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
135	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
136	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
137	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
138	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
139	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
140	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
141	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
142	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
143	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
144	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
145	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
146	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
147	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
148	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
149	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
150	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
151	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
152	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
153	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
154	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
155	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
156	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
157	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
158	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
159	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
160	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
161	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
162	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
163	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
164	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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CANDELA TABULATION - (Cont.)

165	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
166	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
167	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
168	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
169	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
170	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
171	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
172	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
173	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
174	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
175	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
176	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
177	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
178	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
179	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
180	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Vert. Angles	**Horizontal Angles**						
	225.0	**247.5**	**270.0**	**292.5**	**315.0**	**337.5**	**360.0**
0	66586.18	166586.18	166586.18	166586.18	166586.18	166586.18	166586.181
1	66669.51	966449.26	166270.39	465895.70	865652.08	365490.31	865310.687
2	65162.54	364626.53	564063.09	863381.46	163070.44	463028.46	762760.708
3	62556.81	361868.75	061106.67	060256.55	759790.10	259812.57	659485.346
4	58606.83	157756.98	556961.52	156015.61	955350.48	155275.43	454869.234
5	54108.09	453310.18	052542.35	151536.56	550615.92	550359.43	049797.473
6	48969.67	548367.15	347707.59	746671.14	445391.28	844949.04	044268.911
7	42526.69	142081.83	441830.43	140789.03	439215.27	638781.07	937946.794
8	36061.66	635811.95	936055.24	035078.07	433466.50	233237.13	832213.719
9	29953.06	629882.82	030430.39	229686.32	528263.54	628155.93	527136.221
10	24498.64	724488.89	425078.50	124599.49	023558.51	623384.64	422612.775
11	20545.31	120603.24	120989.45	620532.10	919845.94	019607.20	319109.557
12	17000.70	317107.57	417095.87	916681.75	916196.20	715971.36	715762.568
13	14398.27	314269.56	914070.40	913864.56	413461.04	313203.36	513187.247
14	12282.48	311760.54	511713.57	111632.72	711371.16	911078.38	011067.805
15	10243.77	49585.505	9841.691	9658.739	9447.229	9269.065	9198.389
16	8564.554	8175.828	8558.968	8262.877	7898.711	7874.365	7817.334
17	7141.191	7130.781	7475.637	7174.397	6738.611	6692.349	6619.054
18	5957.819	6183.208	6414.397	6191.573	5898.065	5621.123	5490.589
19	5151.707	5429.683	5589.339	5449.443	5217.160	4815.524	4656.856
20	4420.818	4679.928	4928.588	4795.532	4442.349	4108.386	3930.353
21	3862.749	4034.673	4480.439	4249.653	3851.615	3597.423	3402.914
22	3392.887	3486.160	4030.084	3707.911	3397.711	3170.445	3018.725
23	2923.777	3020.634	3459.107	3185.791	2952.968	2774.219	2710.537
24	2525.513	2647.020	2945.086	2776.924	2593.285	2467.784	2439.777
25	2163.290	2316.323	2523.799	2409.250	2330.848	2209.003	2192.212
26	1824.488	2011.974	2173.522	2079.635	2114.049	1979.543	1971.829
27	1562.558	1745.063	1925.729	1832.199	1908.743	1807.223	1774.043
28	1309.726	1467.521	1702.237	1591.376	1661.029	1620.809	1555.224
29	1104.066	1244.409	1509.138	1380.583	1431.367	1429.641	1376.641
30	913.314	1054.514	1310.450	1204.942	1234.750	1222.168	1230.601
31	741.691	883.193	1110.832	1085.059	1079.286	1034.021	1092.268
32	629.315	770.048	964.331	987.569	970.472	934.756	958.585
33	550.283	693.733	859.722	857.872	892.517	861.938	826.353
34	496.657	616.837	771.091	722.527	828.745	765.096	710.000
35	454.183	537.765	695.100	630.723	738.831	682.797	650.319

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IES ROAD REPORT
PHOTOMETRIC FILENAME : GAU-LTL-60W-LED-10SP.IES

CANDELA TABULATION - (Cont.)

36	379.812	448.237	602.887	546.604	615.700	614.090	613.482
37	291.669	364.664	501.460	473.147	524.274	559.616	567.528
38	213.089	276.494	400.546	402.673	448.222	508.254	517.897
39	142.934	184.074	299.371	336.399	358.715	457.160	473.550
40	89.477	129.464	219.141	291.034	286.374	417.759	437.496
41	49.725	104.580	155.152	241.687	247.125	376.508	409.218
42	23.637	78.174	97.058	172.875	223.065	315.775	378.425
43	10.135	45.430	52.374	116.093	190.539	252.784	334.621
44	2.662	15.974	18.271	76.346	138.639	194.660	284.886
45	0.455	3.590	4.175	52.334	92.565	158.426	255.364
46	0.042	0.444	0.531	29.590	62.628	129.161	226.032
47	0.001	0.021	0.027	11.478	44.076	96.670	177.763
48	0.000	0.001	0.001	3.983	31.636	71.597	136.836
49	0.000	0.000	0.000	0.972	18.965	48.620	117.575
50	0.000	0.000	0.000	0.163	8.954	30.197	107.194
51	0.000	0.000	0.000	0.015	2.787	18.596	89.313
52	0.000	0.000	0.000	0.000	0.425	15.611	71.286
53	0.000	0.000	0.000	0.000	0.040	15.776	63.372
54	0.000	0.000	0.000	0.000	0.002	12.447	54.511
55	0.000	0.000	0.000	0.000	0.000	5.556	35.235
56	0.000	0.000	0.000	0.000	0.000	1.432	17.409
57	0.000	0.000	0.000	0.000	0.000	0.157	5.979
58	0.000	0.000	0.000	0.000	0.000	0.010	1.568
59	0.000	0.000	0.000	0.000	0.000	0.000	0.250
60	0.000	0.000	0.000	0.000	0.000	0.000	0.017
61	0.000	0.000	0.000	0.000	0.000	0.000	0.001
62	0.000	0.000	0.000	0.000	0.000	0.000	0.000
63	0.000	0.000	0.000	0.000	0.000	0.000	0.000
64	0.000	0.000	0.000	0.000	0.000	0.000	0.000
65	0.000	0.000	0.000	0.000	0.000	0.000	0.000
66	0.000	0.000	0.000	0.000	0.000	0.000	0.000
67	0.000	0.000	0.000	0.000	0.000	0.000	0.000
68	0.000	0.000	0.000	0.000	0.000	0.000	0.000
69	0.000	0.000	0.000	0.000	0.000	0.000	0.000
70	0.000	0.000	0.000	0.000	0.000	0.000	0.000
71	0.000	0.000	0.000	0.000	0.000	0.000	0.000
72	0.000	0.000	0.000	0.000	0.000	0.000	0.000
73	0.000	0.000	0.000	0.000	0.000	0.000	0.000
74	0.000	0.000	0.000	0.000	0.000	0.000	0.000
75	0.000	0.000	0.000	0.000	0.000	0.000	0.000
76	0.000	0.000	0.000	0.000	0.000	0.000	0.000
77	0.000	0.000	0.000	0.000	0.000	0.000	0.000
78	0.000	0.000	0.000	0.000	0.000	0.000	0.000
79	0.000	0.000	0.000	0.000	0.000	0.000	0.000
80	0.000	0.000	0.000	0.000	0.000	0.000	0.000
81	0.000	0.000	0.000	0.000	0.000	0.000	0.000
82	0.000	0.000	0.000	0.000	0.000	0.000	0.000
83	0.000	0.000	0.000	0.000	0.000	0.000	0.000
84	0.000	0.000	0.000	0.000	0.000	0.000	0.000
85	0.000	0.000	0.000	0.000	0.000	0.000	0.000
86	0.000	0.000	0.000	0.000	0.000	0.000	0.000
87	0.000	0.000	0.000	0.000	0.000	0.000	0.000
88	0.000	0.000	0.000	0.000	0.000	0.000	0.000
89	0.000	0.000	0.000	0.000	0.000	0.000	0.000
90	0.000	0.000	0.000	0.000	0.000	0.000	0.000
91	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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CANDELA TABULATION - (Cont.)

92	0.000	0.000	0.000	0.000	0.000	0.000	0.000
93	0.000	0.000	0.000	0.000	0.000	0.000	0.000
94	0.000	0.000	0.000	0.000	0.000	0.000	0.000
95	0.000	0.000	0.000	0.000	0.000	0.000	0.000
96	0.000	0.000	0.000	0.000	0.000	0.000	0.000
97	0.000	0.000	0.000	0.000	0.000	0.000	0.000
98	0.000	0.000	0.000	0.000	0.000	0.000	0.000
99	0.000	0.000	0.000	0.000	0.000	0.000	0.000
100	0.000	0.000	0.000	0.000	0.000	0.000	0.000
101	0.000	0.000	0.000	0.000	0.000	0.000	0.000
102	0.000	0.000	0.000	0.000	0.000	0.000	0.000
103	0.000	0.000	0.000	0.000	0.000	0.000	0.000
104	0.000	0.000	0.000	0.000	0.000	0.000	0.000
105	0.000	0.000	0.000	0.000	0.000	0.000	0.000
106	0.000	0.000	0.000	0.000	0.000	0.000	0.000
107	0.000	0.000	0.000	0.000	0.000	0.000	0.000
108	0.000	0.000	0.000	0.000	0.000	0.000	0.000
109	0.000	0.000	0.000	0.000	0.000	0.000	0.000
110	0.000	0.000	0.000	0.000	0.000	0.000	0.000
111	0.000	0.000	0.000	0.000	0.000	0.000	0.000
112	0.000	0.000	0.000	0.000	0.000	0.000	0.000
113	0.000	0.000	0.000	0.000	0.000	0.000	0.000
114	0.000	0.000	0.000	0.000	0.000	0.000	0.000
115	0.000	0.000	0.000	0.000	0.000	0.000	0.000
116	0.000	0.000	0.000	0.000	0.000	0.000	0.000
117	0.000	0.000	0.000	0.000	0.000	0.000	0.000
118	0.000	0.000	0.000	0.000	0.000	0.000	0.000
119	0.000	0.000	0.000	0.000	0.000	0.000	0.000
120	0.000	0.000	0.000	0.000	0.000	0.000	0.000
121	0.000	0.000	0.000	0.000	0.000	0.000	0.000
122	0.000	0.000	0.000	0.000	0.000	0.000	0.000
123	0.000	0.000	0.000	0.000	0.000	0.000	0.000
124	0.000	0.000	0.000	0.000	0.000	0.000	0.000
125	0.000	0.000	0.000	0.000	0.000	0.000	0.000
126	0.000	0.000	0.000	0.000	0.000	0.000	0.000
127	0.000	0.000	0.000	0.000	0.000	0.000	0.000
128	0.000	0.000	0.000	0.000	0.000	0.000	0.000
129	0.000	0.000	0.000	0.000	0.000	0.000	0.000
130	0.000	0.000	0.000	0.000	0.000	0.000	0.000
131	0.000	0.000	0.000	0.000	0.000	0.000	0.000
132	0.000	0.000	0.000	0.000	0.000	0.000	0.000
133	0.000	0.000	0.000	0.000	0.000	0.000	0.000
134	0.000	0.000	0.000	0.000	0.000	0.000	0.000
135	0.000	0.000	0.000	0.000	0.000	0.000	0.000
136	0.000	0.000	0.000	0.000	0.000	0.000	0.000
137	0.000	0.000	0.000	0.000	0.000	0.000	0.000
138	0.000	0.000	0.000	0.000	0.000	0.000	0.000
139	0.000	0.000	0.000	0.000	0.000	0.000	0.000
140	0.000	0.000	0.000	0.000	0.000	0.000	0.000
141	0.000	0.000	0.000	0.000	0.000	0.000	0.000
142	0.000	0.000	0.000	0.000	0.000	0.000	0.000
143	0.000	0.000	0.000	0.000	0.000	0.000	0.000
144	0.000	0.000	0.000	0.000	0.000	0.000	0.000
145	0.000	0.000	0.000	0.000	0.000	0.000	0.000
146	0.000	0.000	0.000	0.000	0.000	0.000	0.000
147	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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CANDELA TABULATION - (Cont.)

148	0.000	0.000	0.000	0.000	0.000	0.000	0.000
149	0.000	0.000	0.000	0.000	0.000	0.000	0.000
150	0.000	0.000	0.000	0.000	0.000	0.000	0.000
151	0.000	0.000	0.000	0.000	0.000	0.000	0.000
152	0.000	0.000	0.000	0.000	0.000	0.000	0.000
153	0.000	0.000	0.000	0.000	0.000	0.000	0.000
154	0.000	0.000	0.000	0.000	0.000	0.000	0.000
155	0.000	0.000	0.000	0.000	0.000	0.000	0.000
156	0.000	0.000	0.000	0.000	0.000	0.000	0.000
157	0.000	0.000	0.000	0.000	0.000	0.000	0.000
158	0.000	0.000	0.000	0.000	0.000	0.000	0.000
159	0.000	0.000	0.000	0.000	0.000	0.000	0.000
160	0.000	0.000	0.000	0.000	0.000	0.000	0.000
161	0.000	0.000	0.000	0.000	0.000	0.000	0.000
162	0.000	0.000	0.000	0.000	0.000	0.000	0.000
163	0.000	0.000	0.000	0.000	0.000	0.000	0.000
164	0.000	0.000	0.000	0.000	0.000	0.000	0.000
165	0.000	0.000	0.000	0.000	0.000	0.000	0.000
166	0.000	0.000	0.000	0.000	0.000	0.000	0.000
167	0.000	0.000	0.000	0.000	0.000	0.000	0.000
168	0.000	0.000	0.000	0.000	0.000	0.000	0.000
169	0.000	0.000	0.000	0.000	0.000	0.000	0.000
170	0.000	0.000	0.000	0.000	0.000	0.000	0.000
171	0.000	0.000	0.000	0.000	0.000	0.000	0.000
172	0.000	0.000	0.000	0.000	0.000	0.000	0.000
173	0.000	0.000	0.000	0.000	0.000	0.000	0.000
174	0.000	0.000	0.000	0.000	0.000	0.000	0.000
175	0.000	0.000	0.000	0.000	0.000	0.000	0.000
176	0.000	0.000	0.000	0.000	0.000	0.000	0.000
177	0.000	0.000	0.000	0.000	0.000	0.000	0.000
178	0.000	0.000	0.000	0.000	0.000	0.000	0.000
179	0.000	0.000	0.000	0.000	0.000	0.000	0.000
180	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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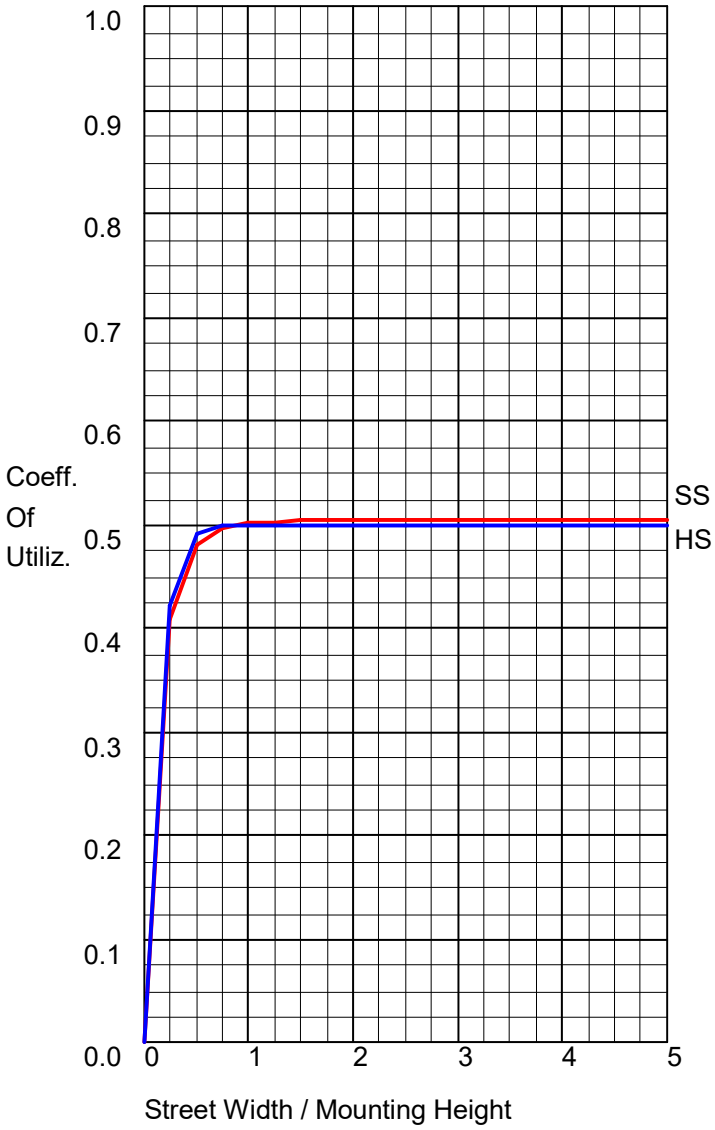
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

	Lumens	Percent Of Lamp
Downward Street Side	4081.1	50.4
Downward House Side	4047.5	50.0
Downward Total	8128.6	100.4
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	8128.6	100.4

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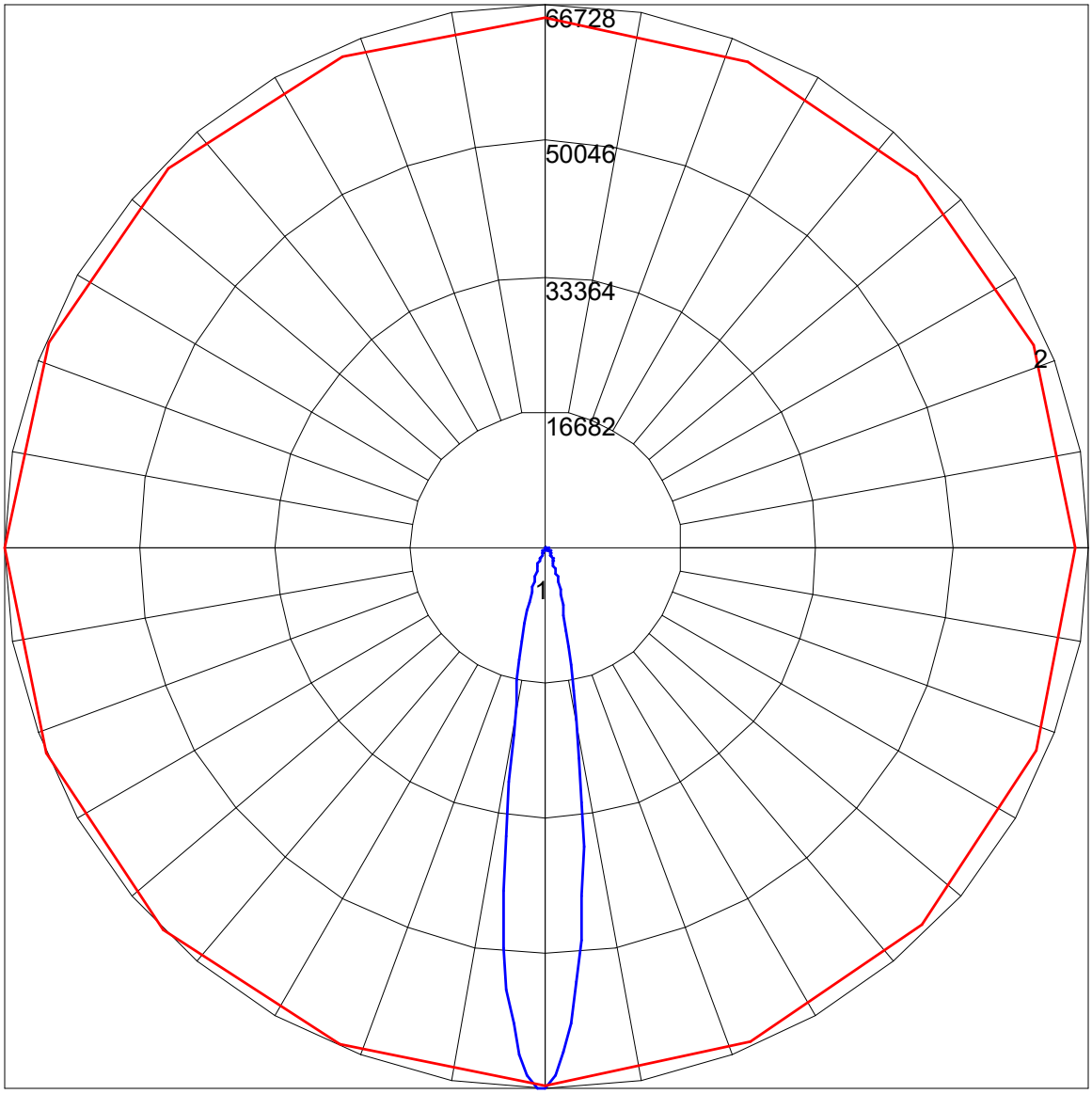
PHOTOMETRIC FILENAME : GAU-LTL-60W-LED-10SP.IES

POLAR GRAPH



Maximum Candela = 66727.974 Located At Horizontal Angle = 202.5, Vertical Angle = 1
1 - Vertical Plane Through Horizontal Angles (202.5 - 22.5) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (1) (Through Max. Cd.)

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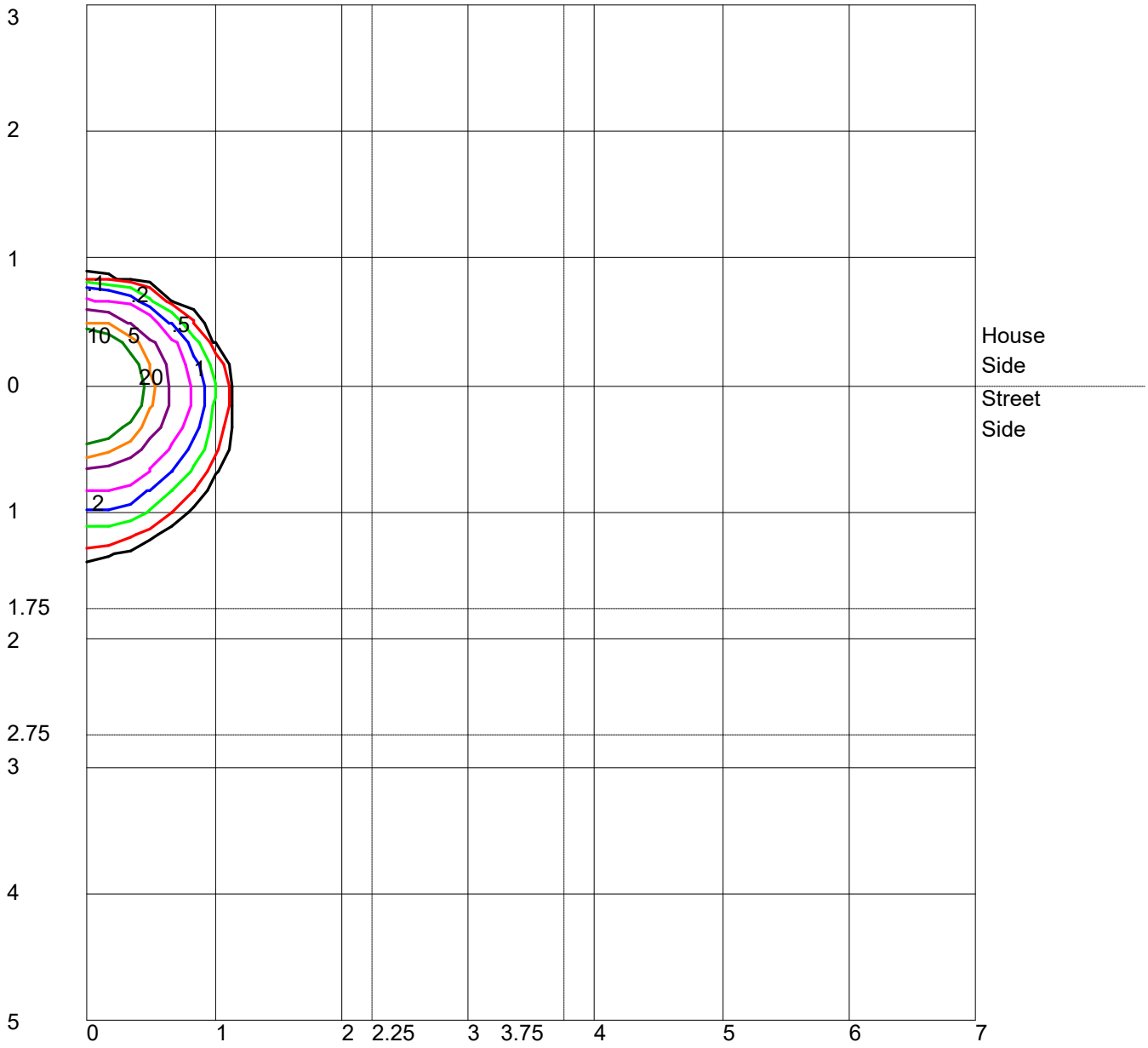
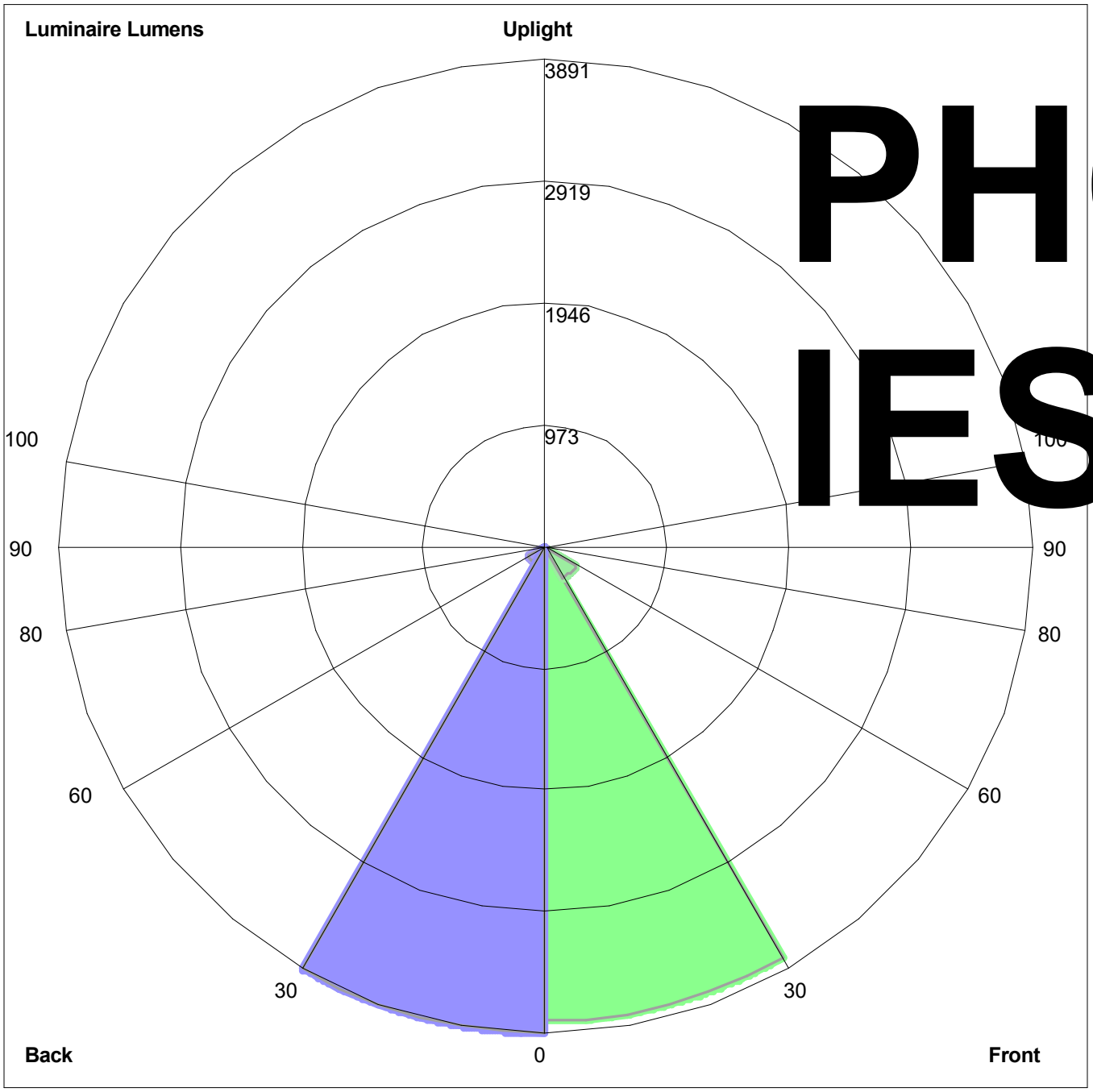
Results derived from content of manufacturers photometric file.

IES ROAD REPORT
PHOTOMETRIC FILENAME : GAU-LTL-60W-LED-10SP.IES

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



Values Based On 10 Foot Mounting Height


Luminaire Lumens
Uplight
3891
2919
1946
973
100
90
80
60
30
0
Back
Front

PHO

IES F

IES ROAD REPORT
PHOTOMETRIC FILENAME : GAU-LTL-60W-LED-24WS.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] 194002
[TESTLAB] RADIANT IMAGING PROSOURCE
[TESTDATE] 2019-04-08
[ISSUEDATE] 2019-04-08
[MANUFAC] LARSON ELECTRONICS LLC
[LUMCAT] GAU-LTL-60W-LED-24WS
[LUMINAIRE] 60W LED FLOOD LIGHT - 24 DEGREE OPTICS
[OTHER] EVERFINE GO-R5000_V2 SYSTEM
[LAMPPOSITION] 0,0

CHARACTERISTICS

IES Classification	Type VS
Longitudinal Classification	Very Short
Lumens Per Lamp	8100 (1 lamp)
Total Lamp Lumens	8100
Luminaire Lumens	7724
Downward Total Efficiency	94 %
Total Luminaire Efficiency	95 %
Luminaire Efficacy Rating (LER)	129
Total Luminaire Watts	60
Ballast Factor	1.00
Upward Waste Light Ratio	0.01
Maximum Candela	26989.389
Maximum Candela Angle	360H 0V
Maximum Candela (<90 Degrees Vertical)	26989.389
Maximum Candela Angle (<90 Degrees Vertical)	360H 0V
Maximum Candela At 90 Degrees Vertical	8.546 (0.1% Lamp Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	37.209 (0.5% Lamp Lumens)
Cutoff Classification (deprecated)	Cutoff

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Results derived from content of manufacturers photometric file.

IES ROAD REPORT
PHOTOMETRIC FILENAME : GAU-LTL-60W-LED-24WS.IES

LUMINAIRE CLASSIFICATION SYSTEM (LCS)

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	3023.9	37.3	39.1
FM - Front-Medium (30-60)	793.4	9.8	10.3
FH - Front-High (60-80)	104.4	1.3	1.4
FVH - Front-Very High (80-90)	10.2	0.1	0.1
BL - Back-Low (0-30)	2843.5	35.1	36.8
BM - Back-Medium (30-60)	749.1	9.2	9.7
BH - Back-High (60-80)	97.9	1.2	1.3
BVH - Back-Very High (80-90)	9.7	0.1	0.1
UL - Uplight-Low (90-100)	8.0	0.1	0.1
UH - Uplight-High (100-180)	84.1	1.0	1.1
Total	7724.2	95.2	100.0
BUG Rating	B4-U3-G1		

IES ROAD REPORT
PHOTOMETRIC FILENAME : GAU-LTL-60W-LED-24WS.IES

CANDELA TABULATION

Vert. Angles	Horizontal Angles									
	0	**30**	**60**	**90**	**120**	**150**	**180**	**210**	**240**	**270**
0	26989.389	26989.389	26989.389	26989.389	26989.389	26989.389	26989.389	26989.389	26989.389	26989.389
5	25067.188	24543.099	24313.050	23709.578	23450.368	22886.587	23598.604	23695.807	23555.672	23851.333
10	17225.288	16791.922	16768.431	16042.644	15685.421	14851.090	15175.102	15603.608	15704.051	16258.112
15	9379.337	9155.769	9218.141	8725.643	8433.222	7843.601	8008.848	8342.499	8506.935	8930.581
20	4847.624	4764.354	4799.833	4537.464	4362.255	4054.362	4146.381	4300.773	4403.809	4618.710
25	2722.187	2706.553	2719.514	2593.230	2501.615	2350.464	2420.694	2476.343	2519.436	2606.676
30	1756.955	1745.047	1757.684	1695.636	1629.780	1551.045	1607.990	1624.110	1650.679	1701.954
35	1263.728	1245.988	1254.250	1218.123	1171.465	1122.054	1170.736	1172.923	1190.420	1225.332
40	960.615	945.305	949.031	919.789	887.469	845.428	882.852	881.475	888.927	912.904
45	677.088	665.375	664.589	636.732	616.554	585.239	607.595	615.331	622.297	640.653
50	462.778	452.588	448.797	428.044	412.840	392.646	412.532	417.303	421.151	434.970
55	331.553	304.336	298.496	280.206	273.061	259.566	289.092	279.177	281.210	287.868
60	209.863	202.702	196.335	186.291	178.547	173.913	178.644	187.052	186.801	192.658
65	133.930	150.228	134.481	131.435	122.938	128.625	117.746	140.119	128.236	136.223
70	89.849	111.938	94.863	89.419	87.589	102.736	80.051	109.800	91.436	93.445
75	57.743	63.351	61.305	56.936	56.888	56.936	51.999	62.153	59.877	60.044
80	34.635	35.159	34.443	32.890	31.835	31.573	31.074	35.484	33.982	35.900
85	16.514	15.648	15.201	15.456	14.444	13.944	14.820	16.360	16.434	17.823
90	5.959	6.738	6.692	6.744	6.849	6.329	7.128	7.533	7.974	8.546
95	6.249	6.807	6.793	7.115	6.821	6.773	7.264	7.464	7.963	8.092
100	7.115	7.331	7.600	7.733	7.362	7.376	7.974	8.585	8.535	8.249
105	7.921	8.556	8.399	8.591	8.449	8.284	9.451	9.280	9.220	9.363
110	9.052	9.814	10.040	9.835	10.389	9.499	10.400	10.365	10.917	9.971
115	10.368	10.948	13.123	12.373	13.005	10.956	11.863	11.566	12.789	12.121
120	12.505	12.995	14.213	14.363	14.039	12.261	12.627	11.982	13.176	13.204
125	14.772	15.233	16.406	16.943	16.322	15.145	13.483	13.319	14.527	14.618
130	18.033	18.201	19.698	19.709	19.964	17.894	15.110	14.461	16.304	16.482
135	21.398	21.409	22.055	22.663	22.219	21.220	17.289	16.741	17.903	18.508
140	24.929	24.636	24.552	24.968	24.286	24.409	20.620	19.848	20.212	19.618
145	27.505	27.038	26.284	25.742	26.336	26.588	23.169	22.163	22.600	21.545
150	28.578	27.904	27.236	26.106	27.195	27.419	25.142	24.415	23.979	22.328
155	28.238	27.300	26.546	25.453	26.503	26.650	25.432	24.566	24.049	22.537
160	26.482	25.844	24.244	23.452	24.178	25.232	24.206	23.804	23.026	21.462
165	23.707	23.780	21.689	21.423	21.409	22.715	22.408	22.066	20.714	19.778
170	20.397	20.285	19.758	19.552	19.287	19.541	19.611	19.562	19.126	18.312
175	17.988	17.970	17.883	17.802	17.610	17.453	17.813	17.502	17.495	17.750
180	16.908	16.908	16.908	16.908	16.908	16.908	16.908	16.908	16.908	16.908

Vert. Angles	Horizontal Angles		
	300	**330**	**360**
0	26989.389	26989.389	26989.389
5	23791.391	24026.299	25067.188
10	16143.898	16418.498	17225.288
15	8814.746	8915.190	9379.337
20	4540.542	4585.823	4847.624
25	2566.904	2578.082	2722.187
30	1664.207	1669.553	1756.955
35	1199.897	1203.624	1263.728
40	903.993	909.745	960.615
45	636.902	642.305	677.088
50	432.483	437.084	462.778
55	288.678	292.316	331.553

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Results derived from content of manufacturers photometric file.

CANDELA TABULATION - (Cont.)

60	189.741	195.557	209.863
65	130.877	141.326	133.930
70	93.939	112.027	89.849
75	61.169	65.069	57.743
80	34.918	37.209	34.635
85	16.930	17.492	16.514
90	7.890	7.551	5.959
95	7.851	7.341	6.249
100	7.917	7.743	7.115
105	8.794	8.703	7.921
110	10.683	9.807	9.052
115	12.450	10.931	10.368
120	13.173	11.849	12.505
125	14.178	12.523	14.772
130	15.802	13.951	18.033
135	17.202	15.878	21.398
140	19.328	18.396	24.929
145	21.787	21.081	27.505
150	23.180	23.354	28.578
155	23.351	23.748	28.238
160	22.405	23.641	26.482
165	19.789	21.444	23.707
170	18.487	18.742	20.397
175	17.296	16.759	17.988
180	16.908	16.908	16.908

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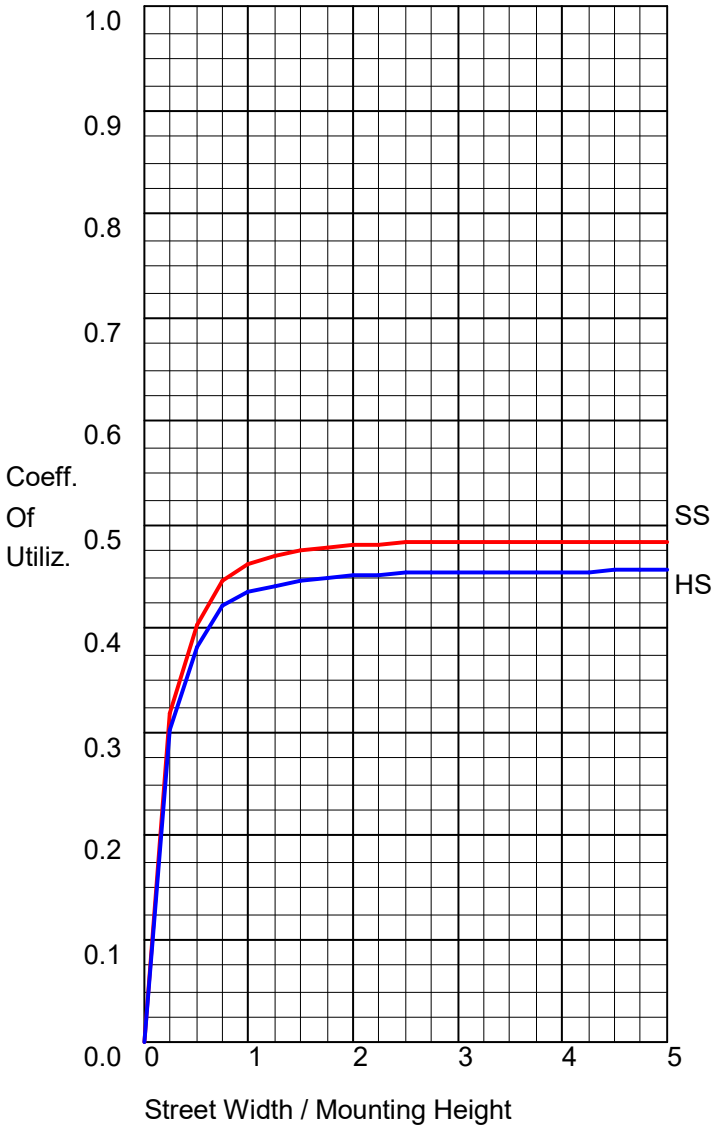
Results derived from content of manufacturers photometric file.

IES ROAD REPORT
PHOTOMETRIC FILENAME : GAU-LTL-60W-LED-24WS.IES

COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

	Lumens	Percent Of Lamp
Downward Street Side	3932.0	48.5
Downward House Side	3700.3	45.7
Downward Total	7632.3	94.2
Upward Street Side	46.1	0.6
Upward House Side	46.1	0.6
Upward Total	92.2	1.1
Total Flux	7724.5	95.4

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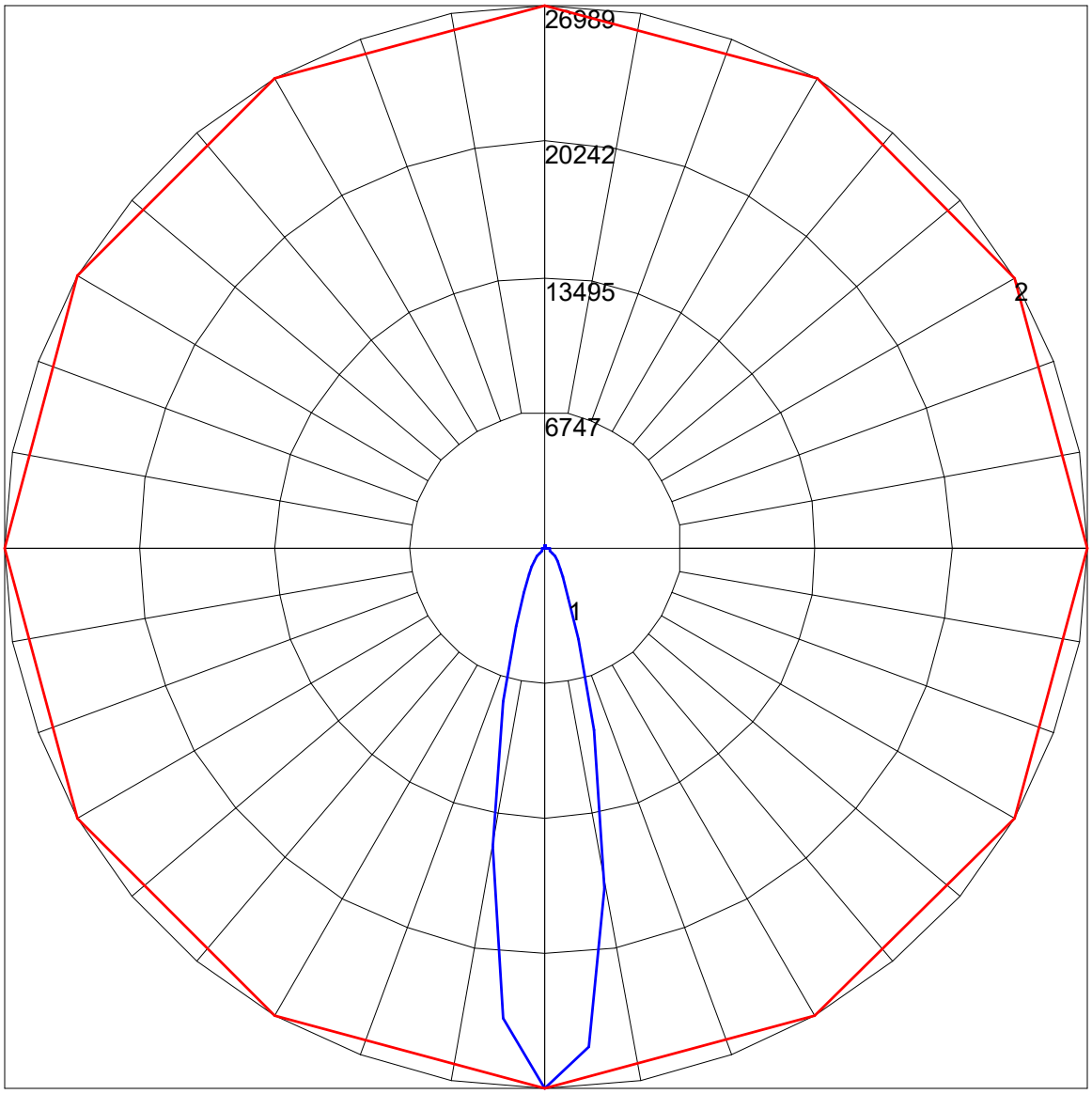
Results derived from content of manufacturers photometric file.

IES ROAD REPORT
PHOTOMETRIC FILENAME : GAU-LTL-60W-LED-24WS.IES

POLAR GRAPH



Maximum Candela = 26989.389 Located At Horizontal Angle = 360, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (360 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (0) (Through Max. Cd.)

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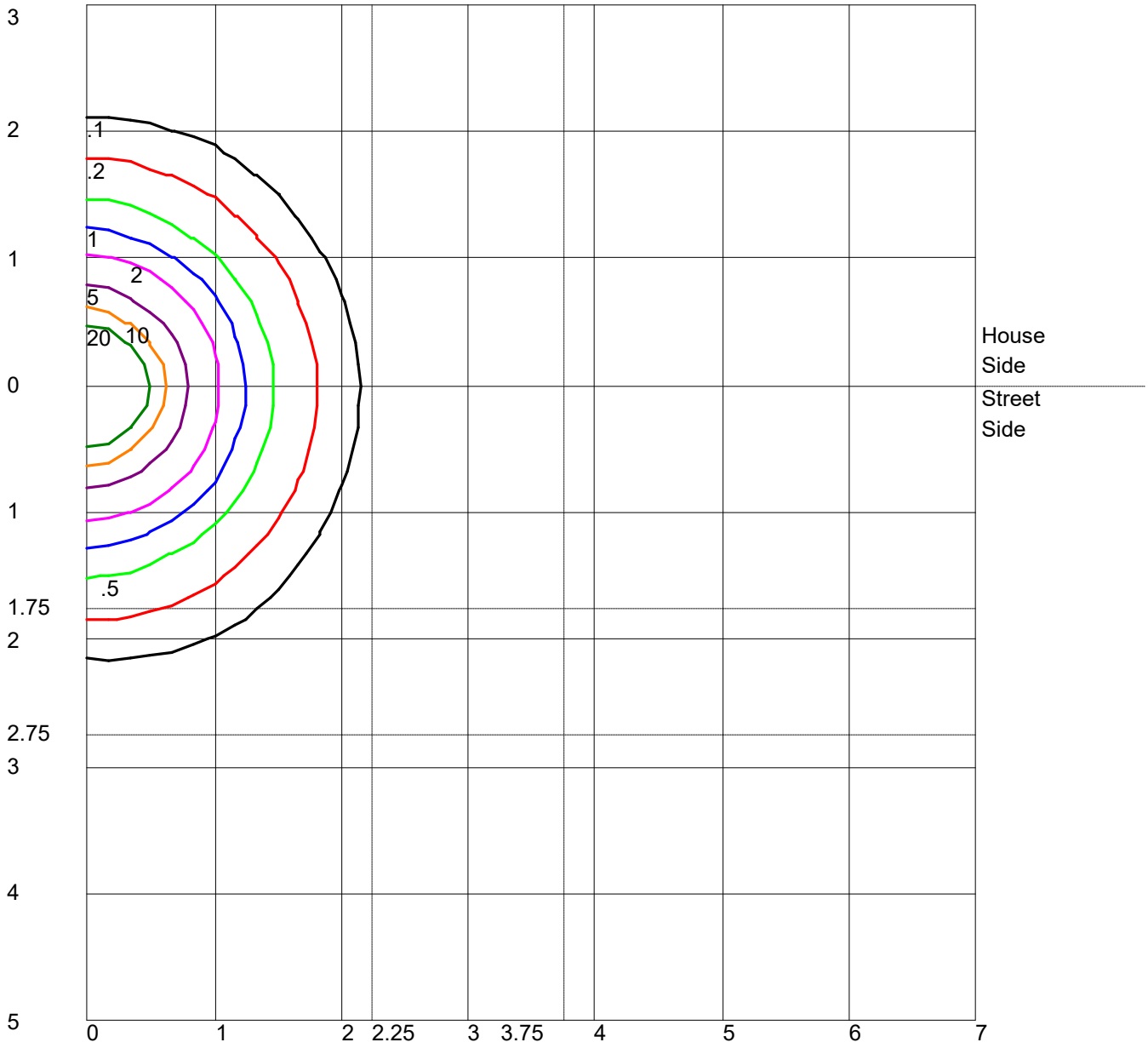
Calculations based on published IES Methods and recommendations, values rounded for display purposes.
Results derived from content of manufacturers photometric file.

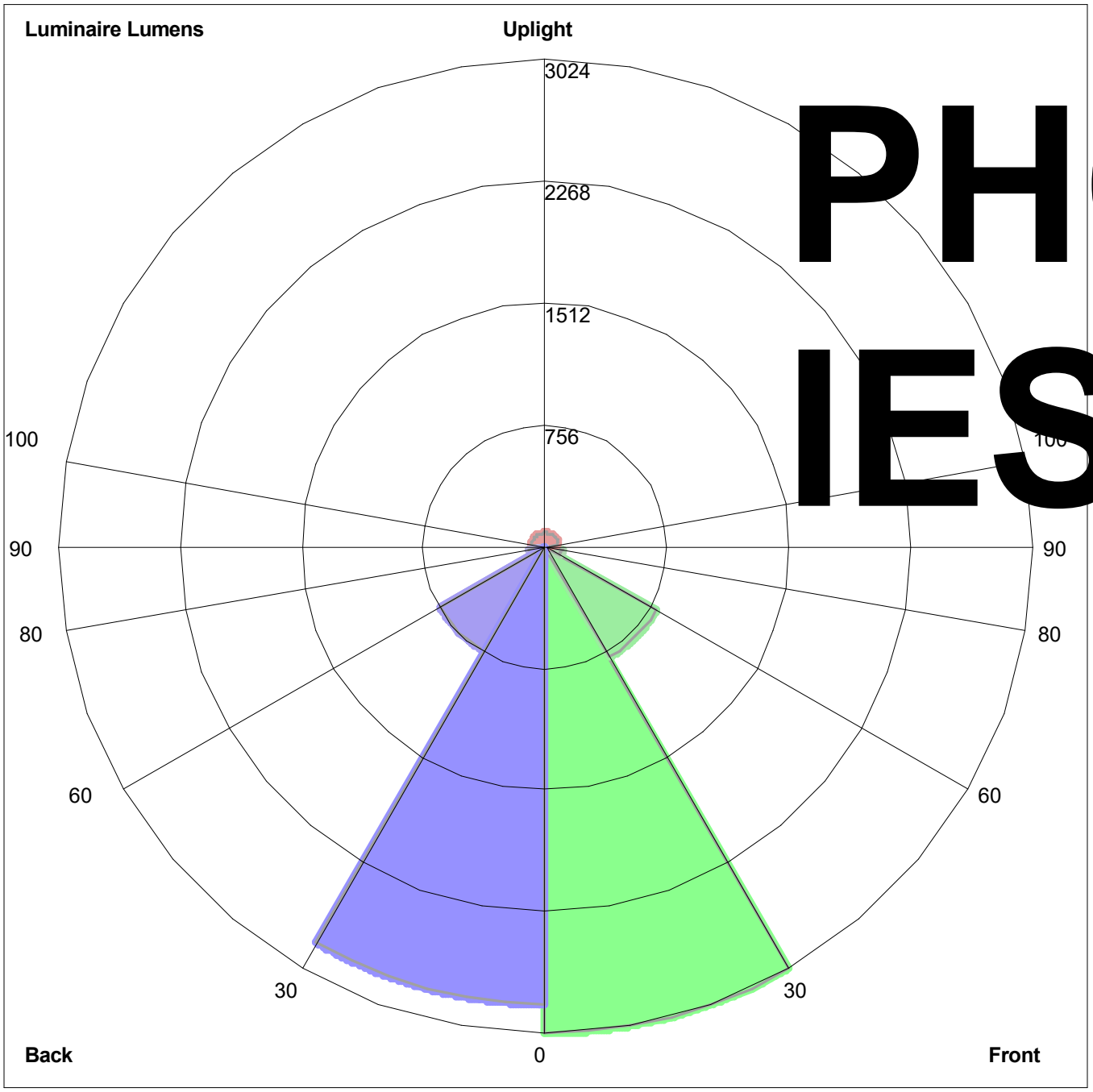
IES ROAD REPORT
PHOTOMETRIC FILENAME : GAU-LTL-60W-LED-24WS.IES

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



Distance In Units Of Mounting Height

Values Based On 10 Foot Mounting Height


Luminaire Lumens
Uplight
3024
2268
1512
756
100
90
80
60
30
0
Back
Front

PHO

IES F

IES ROAD REPORT
PHOTOMETRIC FILENAME : GAU-LTL-60W-LED-38NF.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] 194003
[TESTLAB] RADIANT IMAGING PROSOURCE
[TESTDATE] 2019-04-08
[ISSUEDATE] 2019-04-08
[MANUFAC] LARSON ELECTRONICS LLC
[LUMCAT] GAU-LTL-60W-LED-38NF
[LUMINAIRE] 60W LED FLOOD LIGHT - 38 DEGREE OPTICS
[OTHER] EVERFINE GO-R5000_V2 SYSTEM
[LAMPPOSITION] 0,0

CHARACTERISTICS

IES Classification	Type I
Longitudinal Classification	Very Short
Lumens Per Lamp	8100 (1 lamp)
Total Lamp Lumens	8100
Luminaire Lumens	7864
Downward Total Efficiency	97 %
Total Luminaire Efficiency	97 %
Luminaire Efficacy Rating (LER)	131
Total Luminaire Watts	60
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	15900.889
Maximum Candela Angle	360H 0V
Maximum Candela (<90 Degrees Vertical)	15900.889
Maximum Candela Angle (<90 Degrees Vertical)	360H 0V
Maximum Candela At 90 Degrees Vertical	0 (0.0% Lamp Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	9.898 (0.1% Lamp Lumens)
Cutoff Classification (deprecated)	Cutoff

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Calculations based on published IES Methods and recommendations, values rounded for display purposes.
Results derived from content of manufacturers photometric file.

IES ROAD REPORT
PHOTOMETRIC FILENAME : GAU-LTL-60W-LED-38NF.IES

LUMINAIRE CLASSIFICATION SYSTEM (LCS)

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	3024.6	37.3	38.5
FM - Front-Medium (30-60)	701.2	8.7	8.9
FH - Front-High (60-80)	56.0	0.7	0.7
FVH - Front-Very High (80-90)	0.9	0.0	0.0
BL - Back-Low (0-30)	3146.2	38.8	40.0
BM - Back-Medium (30-60)	867.8	10.7	11.0
BH - Back-High (60-80)	60.2	0.7	0.8
BVH - Back-Very High (80-90)	0.7	0.0	0.0
UL - Uplight-Low (90-100)	0.0	0.0	0.0
UH - Uplight-High (100-180)	6.8	0.1	0.1
Total	7864.4	97.0	100.0
BUG Rating	B4-U1-G0		

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Calculations based on published IES Methods and recommendations, values rounded for display purposes.
Results derived from content of manufacturers photometric file.

IES ROAD REPORT
PHOTOMETRIC FILENAME : GAU-LTL-60W-LED-38NF.IES

CANDELA TABULATION

Vert. Angles	Horizontal Angles									
	0	**30**	**60**	**90**	**120**	**150**	**180**	**210**	**240**	**270**
0	15900.88	15900.88	15900.88	15900.88	15900.88	15900.88	15900.88	15900.88	15900.88	15900.889
5	15199.40	14815.44	14585.40	14439.59	14520.59	14747.40	15174.29	15478.86	15649.77	15822.316
10	12905.39	12326.22	11997.35	11831.29	11956.04	12361.86	13074.69	13692.74	14026.47	14325.380
15	9602.905	9052.085	8755.614	8657.601	8884.409	9380.957	10167.49	10905.43	11261.03	11606.920
20	6330.141	5916.135	5753.481	5730.557	6006.534	6428.317	7115.303	7775.154	8075.756	8363.560
25	3764.614	3496.008	3431.125	3488.475	3712.367	4051.608	4558.849	5094.765	5265.924	5416.428
30	2005.634	1868.739	1889.557	1987.247	2127.463	2355.486	2691.001	3025.543	3116.509	3173.860
35	1080.904	1029.872	1054.902	1119.704	1215.612	1347.566	1549.587	1708.920	1743.670	1720.099
40	635.452	633.524	658.514	714.017	770.768	834.655	924.001	1000.792	999.496	957.131
45	387.761	403.921	431.778	471.057	523.125	561.626	615.436	665.302	642.905	602.573
50	287.698	272.049	294.057	316.049	360.496	394.112	444.374	448.797	425.995	393.982
55	192.042	192.722	203.228	218.465	246.184	270.979	293.061	302.546	283.502	263.106
60	127.086	118.929	122.639	128.479	144.080	156.635	181.260	197.226	187.336	177.064
65	69.965	70.165	70.831	68.905	75.189	74.285	76.424	92.141	98.378	103.076
70	47.566	49.859	43.799	39.486	43.631	45.851	38.451	54.697	57.191	59.909
75	22.846	22.647	18.338	15.366	18.015	19.698	13.413	24.181	28.737	33.488
80	6.786	5.913	3.128	1.767	2.828	5.103	0.000	7.553	7.772	9.898
85	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
90	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
95	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
100	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
105	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
110	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
115	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
120	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
125	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
130	0.000	0.000	1.637	1.020	1.706	0.000	0.000	0.000	0.000	0.000
135	0.247	1.337	1.824	4.935	3.264	0.939	0.000	0.000	0.000	0.000
140	2.591	4.168	4.044	7.148	5.383	4.343	0.000	0.000	0.814	1.332
145	4.654	7.054	4.231	6.119	5.521	8.251	1.948	2.211	0.858	1.893
150	6.886	7.341	4.935	6.051	5.266	9.148	3.083	5.148	1.163	0.771
155	6.400	6.874	6.157	4.604	7.186	8.726	3.725	6.369	2.272	1.107
160	5.695	6.263	5.933	5.414	6.300	6.924	2.366	6.101	4.199	3.439
165	4.037	4.325	3.913	4.517	4.742	3.432	3.115	3.396	4.512	3.857
170	0.808	1.712	1.201	1.793	1.462	0.884	0.347	1.244	3.907	3.850
175	0.000	0.453	0.000	0.085	0.502	0.000	0.000	0.000	0.421	0.000
180	0.089	0.089	0.089	0.089	0.089	0.089	0.089	0.089	0.089	0.089

Vert. Angles	Horizontal Angles		
	300	**330**	**360**
0	15900.88	15900.88	15900.889
5	15773.71	15592.26	15199.403
10	14148.79	13755.92	12905.398
15	11236.73	10674.57	59602.905
20	7879.890	7274.313	6330.141
25	4978.525	4484.893	3764.614
30	2785.855	2445.805	2005.634
35	1469.313	1278.065	1080.904
40	839.110	734.794	635.452
45	524.794	453.414	387.761
50	336.357	292.332	287.698
55	227.886	205.893	192.042

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Calculations based on published IES Methods and recommendations, values rounded for display purposes.
Results derived from content of manufacturers photometric file.

IES ROAD REPORT
PHOTOMETRIC FILENAME : GAU-LTL-60W-LED-38NF.IES

CANDELA TABULATION - (Cont.)

60	155.267	137.430	127.086
65	87.945	76.311	69.965
70	58.156	52.116	47.566
75	32.210	29.984	22.846
80	8.707	8.408	6.786
85	0.000	0.000	0.000
90	0.000	0.000	0.000
95	0.000	0.000	0.000
100	0.000	0.000	0.000
105	0.000	0.000	0.000
110	0.000	0.000	0.000
115	0.000	0.000	0.000
120	0.000	0.000	0.000
125	0.000	0.000	0.000
130	0.000	0.000	0.000
135	0.000	0.000	0.247
140	0.000	0.000	2.591
145	0.000	1.051	4.654
150	2.211	3.993	6.886
155	1.912	5.402	6.400
160	3.470	6.045	5.695
165	4.037	3.327	4.037
170	3.115	2.130	0.808
175	2.472	0.602	0.000
180	0.089	0.089	0.089

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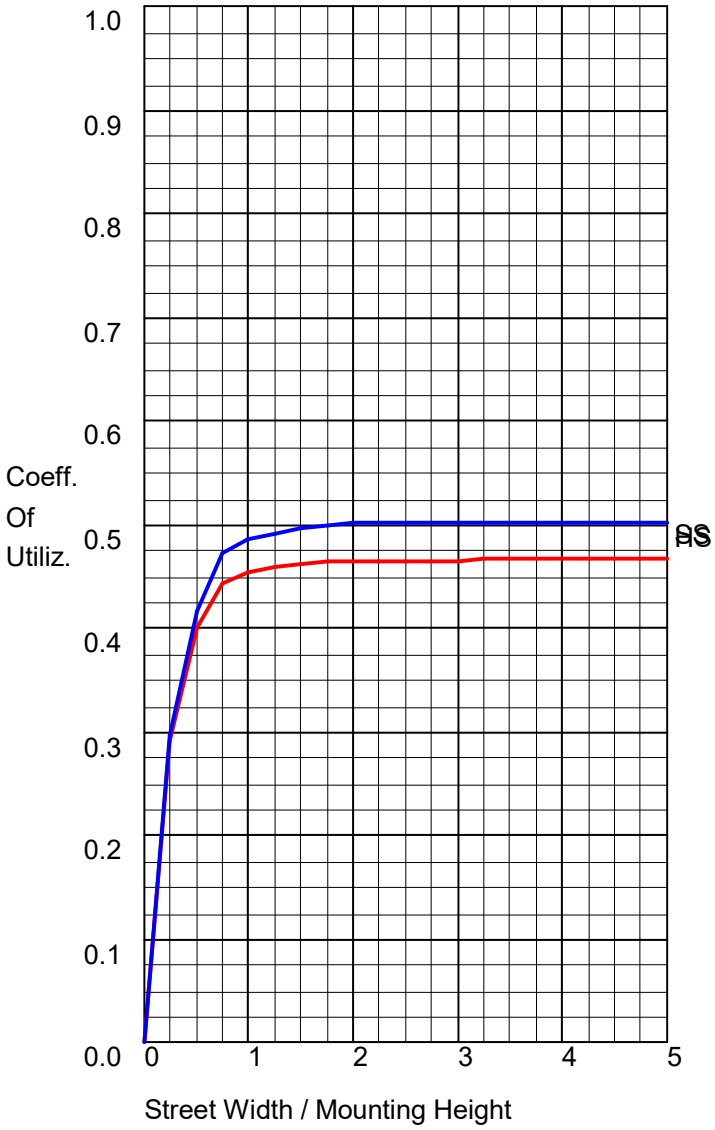
Calculations based on published IES Methods and recommendations, values rounded for display purposes.
Results derived from content of manufacturers photometric file.

IES ROAD REPORT
PHOTOMETRIC FILENAME : GAU-LTL-60W-LED-38NF.IES

COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

	Lumens	Percent Of Lamp
Downward Street Side	3782.7	46.7
Downward House Side	4074.8	50.3
Downward Total	7857.5	97.0
Upward Street Side	3.4	0.0
Upward House Side	3.4	0.0
Upward Total	6.8	0.1
Total Flux	7864.3	97.1

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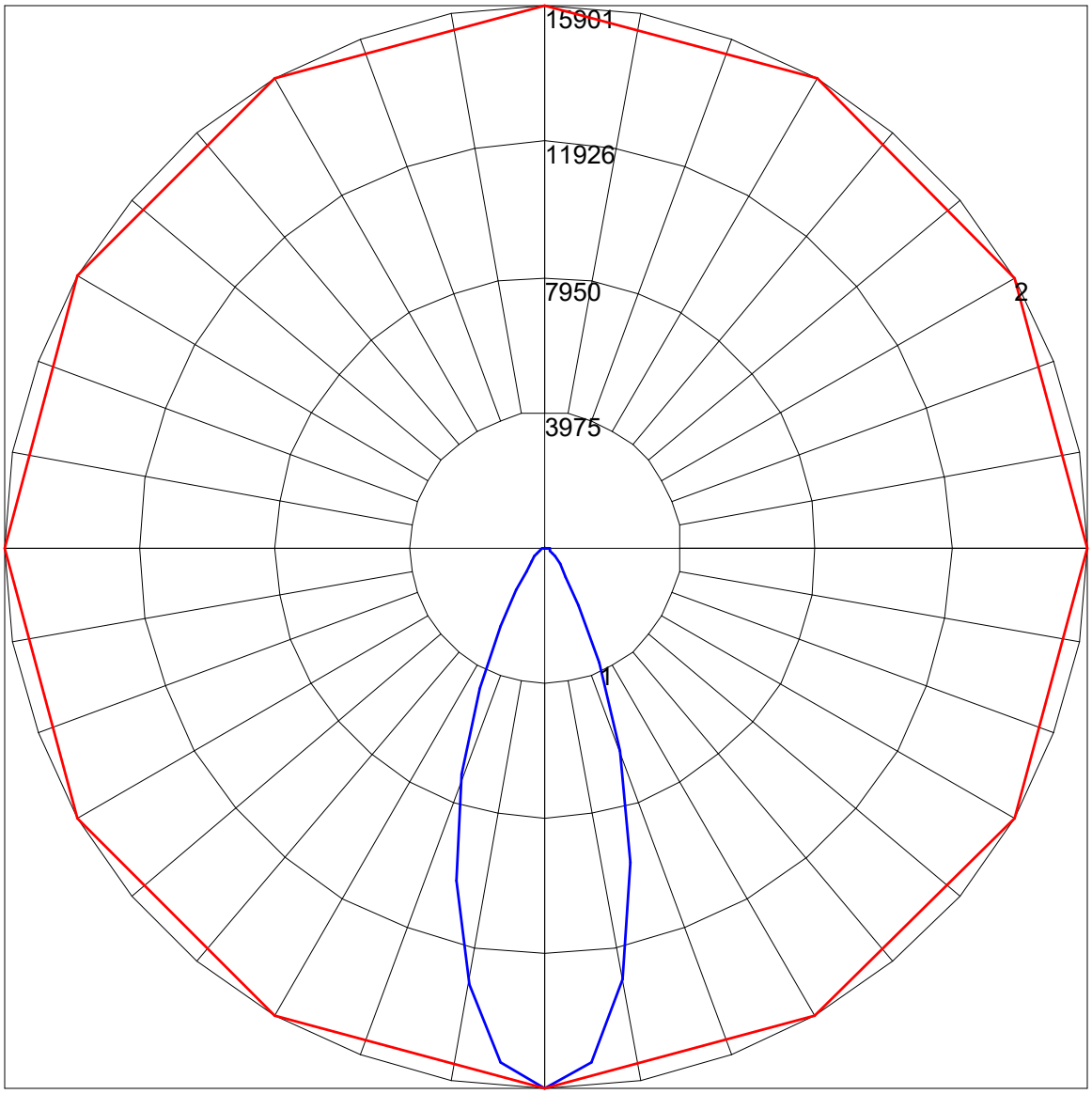
Calculations based on published IES Methods and recommendations, values rounded for display purposes.
Results derived from content of manufacturers photometric file.

IES ROAD REPORT
PHOTOMETRIC FILENAME : GAU-LTL-60W-LED-38NF.IES

POLAR GRAPH



Maximum Candela = 15900.889 Located At Horizontal Angle = 360, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (360 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (0) (Through Max. Cd.)

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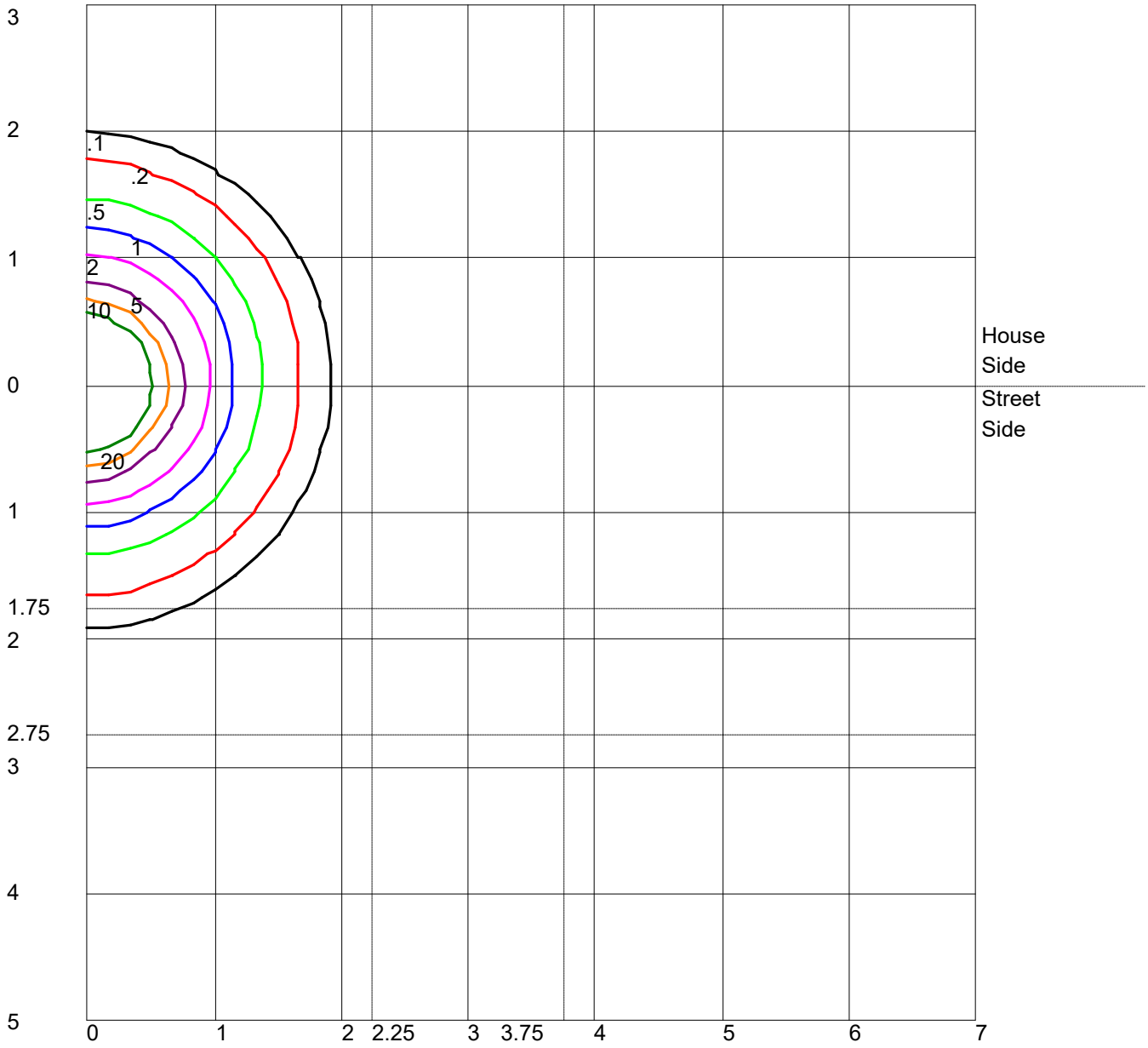
Calculations based on published IES Methods and recommendations, values rounded for display purposes.
Results derived from content of manufacturers photometric file.

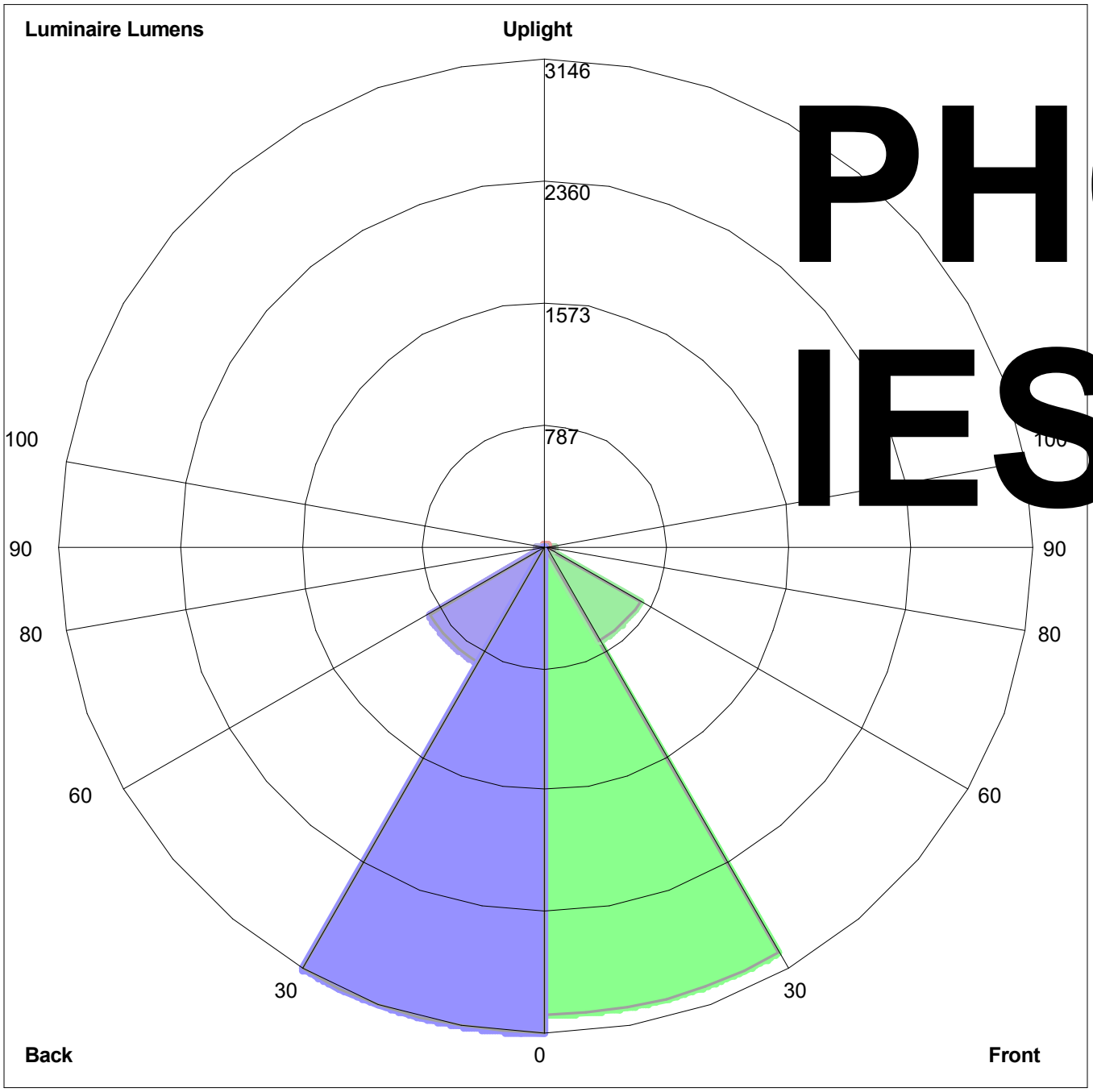
IES ROAD REPORT
PHOTOMETRIC FILENAME : GAU-LTL-60W-LED-38NF.IES

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



Distance In Units Of Mounting Height

Values Based On 10 Foot Mounting Height


Luminaire Lumens
Uplight
3146
2360
1573
787
100
90
80
60
30
0
Back
Front

PHO

IES F

IES ROAD REPORT
PHOTOMETRIC FILENAME : GAU-LTL-60W-LED-60F.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] 194004
[TESTLAB] RADIANT IMAGING PROSOURCE
[TESTDATE] 2019-04-08
[ISSUEDATE] 2019-04-08
[MANUFAC] LARSON ELECTRONICS LLC
[LUMCAT] GAU-LTL-60W-LED-60F
[LUMINAIRE] 60W LED FLOOD LIGHT - 60 DEGREE OPTICS
[OTHER] EVERFINE GO-R5000_V2 SYSTEM
[LAMPPOSITION] 0,0

CHARACTERISTICS

IES Classification	Type VS
Longitudinal Classification	Very Short
Lumens Per Lamp	8100 (1 lamp)
Total Lamp Lumens	8100
Luminaire Lumens	7903
Downward Total Efficiency	96 %
Total Luminaire Efficiency	98 %
Luminaire Efficacy Rating (LER)	132
Total Luminaire Watts	60
Ballast Factor	1.00
Upward Waste Light Ratio	0.01
Maximum Candela	8192.643
Maximum Candela Angle	360H 5V
Maximum Candela (<90 Degrees Vertical)	8192.643
Maximum Candela Angle (<90 Degrees Vertical)	360H 5V
Maximum Candela At 90 Degrees Vertical	8.154 (0.1% Lamp Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	37.8 (0.5% Lamp Lumens)
Cutoff Classification (deprecated)	Cutoff

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Calculations based on published IES Methods and recommendations, values rounded for display purposes.
Results derived from content of manufacturers photometric file.

IES ROAD REPORT
PHOTOMETRIC FILENAME : GAU-LTL-60W-LED-60F.IES

LUMINAIRE CLASSIFICATION SYSTEM (LCS)

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	2431.1	30.0	30.8
FM - Front-Medium (30-60)	1393.2	17.2	17.6
FH - Front-High (60-80)	114.1	1.4	1.4
FVH - Front-Very High (80-90)	10.4	0.1	0.1
BL - Back-Low (0-30)	2399.5	29.6	30.4
BM - Back-Medium (30-60)	1340.4	16.5	17.0
BH - Back-High (60-80)	109.6	1.4	1.4
BVH - Back-Very High (80-90)	9.8	0.1	0.1
UL - Uplight-Low (90-100)	8.9	0.1	0.1
UH - Uplight-High (100-180)	85.7	1.1	1.1
Total	7902.7	97.5	100.0
BUG Rating	B3-U3-G1		

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Results derived from content of manufacturers photometric file.

IES ROAD REPORT
PHOTOMETRIC FILENAME : GAU-LTL-60W-LED-60F.IES

CANDELA TABULATION

Vert. Angles	Horizontal Angles									
	0	30	60	90	120	150	180	210	240	270
0	8186.973	8186.973	8186.973	8186.973	8186.973	8186.973	8186.973	8186.973	8186.973	8186.973
5	8192.643	8104.350	8038.008	7961.218	7914.479	7857.372	8129.461	8075.594	8015.003	7983.656
10	7657.213	7560.010	7511.489	7430.162	7393.144	7308.658	7545.834	7522.343	7481.275	7475.848
15	6954.675	6864.113	6814.701	6728.514	6705.914	6615.677	6821.100	6814.459	6773.146	6786.270
20	6031.159	5947.889	5908.197	5818.850	5810.750	5704.474	5873.203	5889.647	5866.075	5893.535
25	4985.330	4903.112	4872.493	4779.015	4768.566	4667.554	4807.204	4832.801	4824.052	4860.909
30	3789.887	3698.273	3692.360	3608.845	3581.304	3486.126	3589.486	3614.678	3619.862	3684.583
35	2630.572	2560.100	2563.097	2495.864	2475.371	2389.102	2451.231	2477.234	2487.602	2549.812
40	1694.016	1652.218	1657.240	1609.611	1592.195	1523.585	1561.657	1581.908	1586.768	1633.911
45	1034.003	1010.350	1015.940	987.670	972.765	925.945	947.978	956.969	960.939	992.854
50	626.939	608.891	610.957	594.943	584.979	552.578	578.167	573.364	572.521	593.136
55	385.752	377.652	375.182	361.419	356.583	338.406	351.059	353.052	349.350	358.236
60	243.357	236.513	234.641	228.890	222.013	211.232	228.088	222.410	219.032	226.428
65	149.118	161.358	151.338	149.029	143.853	146.178	138.823	154.076	142.824	148.357
70	97.779	116.701	102.007	97.908	97.325	106.122	91.930	112.878	97.763	98.330
75	61.100	67.572	65.646	61.520	61.440	58.825	57.212	63.216	62.124	62.156
80	35.818	37.800	36.047	34.469	33.524	32.802	33.308	35.806	33.184	35.214
85	17.294	16.499	15.942	15.656	14.825	14.142	15.563	15.828	14.701	16.566
90	7.606	7.339	7.454	7.520	7.606	7.387	7.781	7.937	7.801	8.154
95	7.756	7.854	7.997	7.994	8.306	8.125	8.423	8.481	8.252	8.548
100	8.567	8.841	8.892	9.012	9.060	8.796	8.816	9.213	9.261	8.860
105	9.608	9.722	10.027	10.384	9.907	9.824	9.499	9.973	10.117	9.801
110	11.020	11.386	11.851	12.102	11.519	11.430	10.699	11.182	11.389	10.712
115	12.547	13.327	13.772	14.358	13.658	12.996	12.026	12.481	13.308	13.114
120	14.453	15.306	15.421	17.838	16.196	14.775	13.579	13.756	15.109	18.596
125	16.830	16.947	17.113	18.535	17.180	16.206	15.064	15.071	15.990	16.639
130	18.271	18.809	19.200	20.012	19.276	18.274	16.878	16.404	17.508	17.915
135	20.377	20.482	20.273	21.698	20.737	20.294	18.134	17.835	18.523	18.828
140	21.863	22.096	21.342	22.436	21.472	21.431	19.518	19.276	19.012	19.617
145	23.301	22.904	22.550	22.993	22.920	22.814	20.575	20.021	20.072	20.349
150	24.039	23.582	23.362	23.257	23.578	23.381	21.392	20.982	21.484	20.915
155	24.196	24.141	23.839	24.116	23.938	23.829	21.720	21.666	21.974	21.481
160	24.336	24.272	23.689	24.046	23.852	24.004	22.022	22.149	22.016	22.268
165	23.855	24.584	23.235	24.123	23.369	23.957	22.786	22.382	22.070	22.137
170	23.559	23.935	23.623	24.056	23.552	23.725	22.920	22.770	22.964	23.034
175	23.603	23.591	23.314	23.712	23.336	23.133	23.330	22.814	22.618	23.149
180	23.070	23.070	23.070	23.070	23.070	23.070	23.070	23.070	23.070	23.070

Vert. Angles	Horizontal Angles		
	300	330	360
0	8186.973	8186.973	8186.973
5	7942.992	7913.507	8192.643
10	7441.503	7410.316	7657.213
15	6758.323	6731.106	6954.675
20	5870.287	5846.310	6031.159
25	4835.555	4827.049	4985.330
30	3649.833	3658.824	3789.887
35	2527.699	2538.634	2630.572
40	1620.384	1629.699	1694.016
45	982.485	991.882	1034.003
50	585.603	590.601	626.939
55	353.700	360.828	385.752

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Results derived from content of manufacturers photometric file.

IES ROAD REPORT
PHOTOMETRIC FILENAME : GAU-LTL-60W-LED-60F.IES

CANDELA TABULATION - (Cont.)

60	220.733	224.249	243.357
65	144.801	152.197	149.118
70	98.313	112.246	97.779
75	62.923	63.932	61.100
80	34.405	37.192	35.818
85	15.201	17.145	17.294
90	7.428	7.679	7.606
95	7.870	7.822	7.756
100	8.984	8.418	8.567
105	9.337	9.362	9.608
110	10.928	10.534	11.020
115	12.465	11.297	12.547
120	14.313	13.095	14.453
125	15.888	14.424	16.830
130	17.018	15.723	18.271
135	17.835	16.916	20.377
140	18.841	18.303	21.863
145	19.718	19.293	23.301
150	20.791	19.885	24.039
155	21.306	20.517	24.196
160	21.924	21.122	24.336
165	22.067	21.743	23.855
170	22.347	22.042	23.559
175	22.252	21.844	23.603
180	23.070	23.070	23.070

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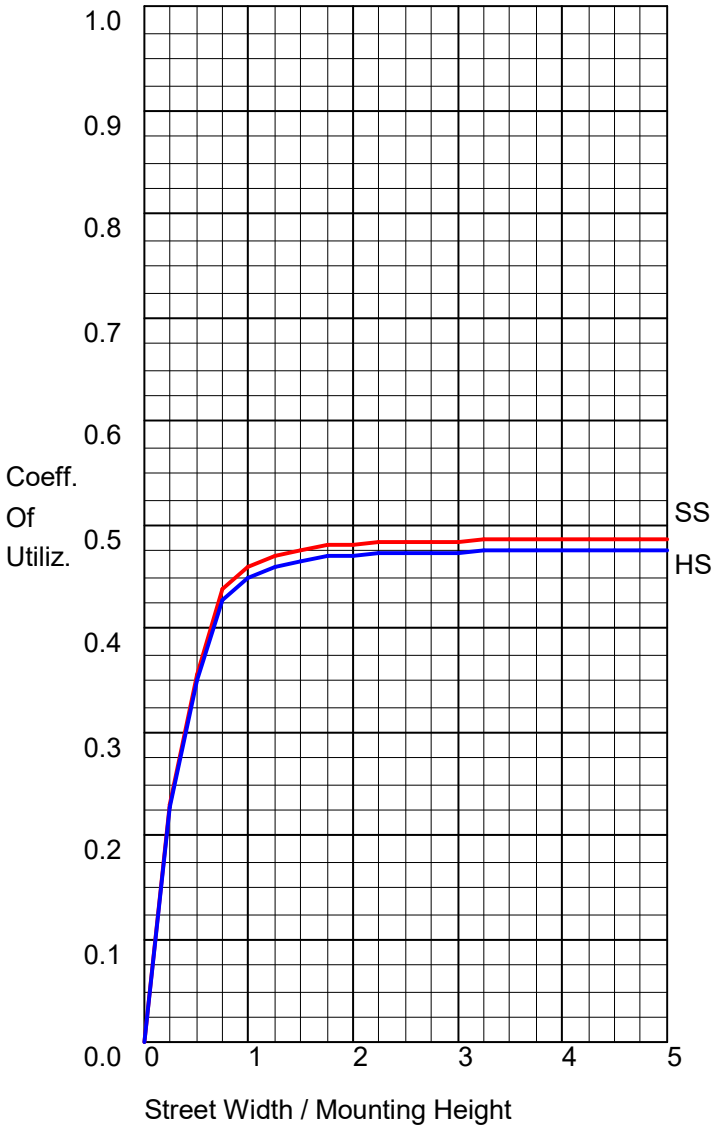
Results derived from content of manufacturers photometric file.

IES ROAD REPORT
PHOTOMETRIC FILENAME : GAU-LTL-60W-LED-60F.IES

COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

	Lumens	Percent Of Lamp
Downward Street Side	3948.9	48.8
Downward House Side	3859.4	47.6
Downward Total	7808.3	96.4
Upward Street Side	47.3	0.6
Upward House Side	47.4	0.6
Upward Total	94.7	1.2
Total Flux	7903.0	97.6

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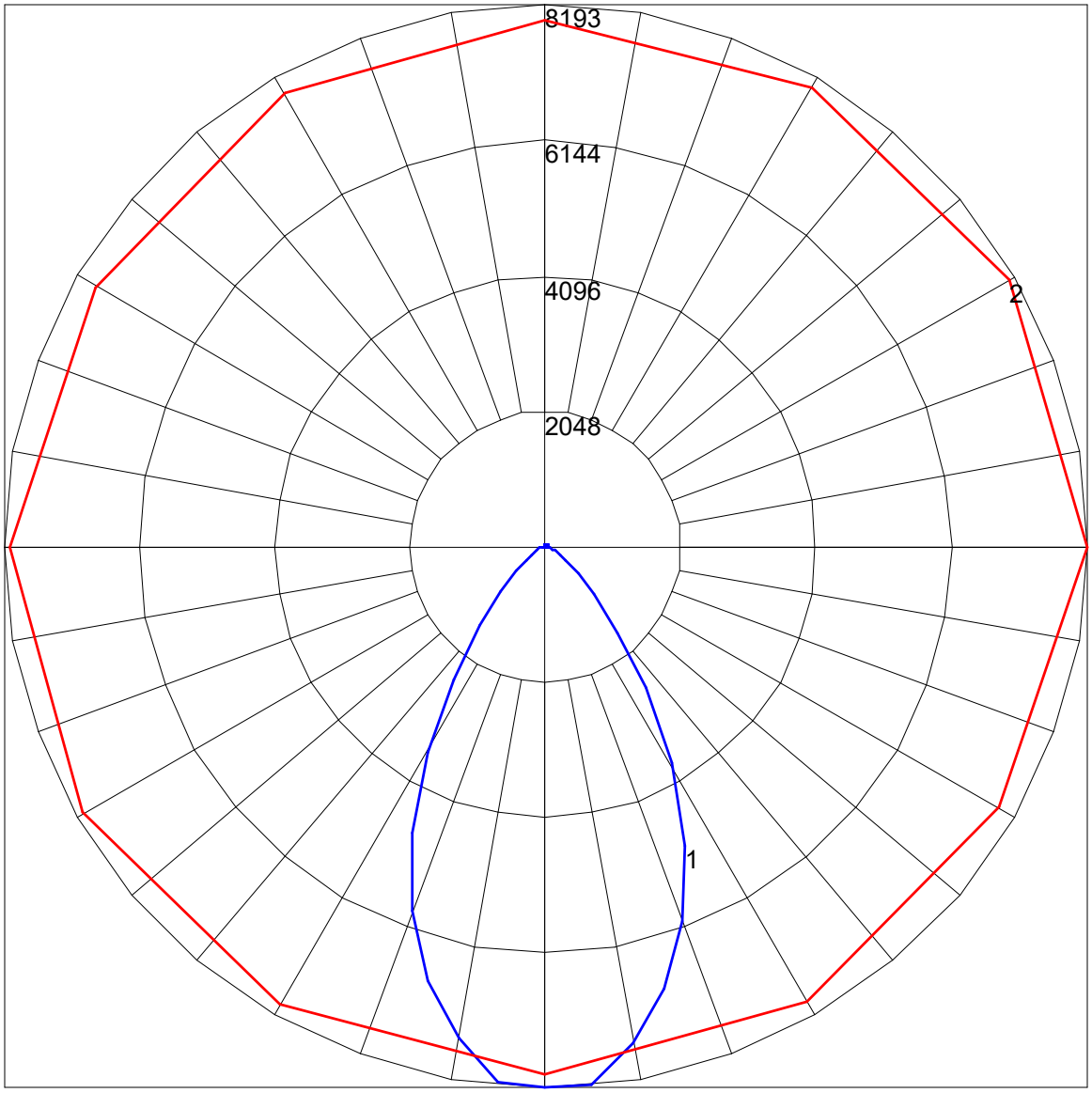
Results derived from content of manufacturers photometric file.

IES ROAD REPORT
PHOTOMETRIC FILENAME : GAU-LTL-60W-LED-60F.IES

POLAR GRAPH



Maximum Candela = 8192.643 Located At Horizontal Angle = 360, Vertical Angle = 5
1 - Vertical Plane Through Horizontal Angles (360 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (5) (Through Max. Cd.)

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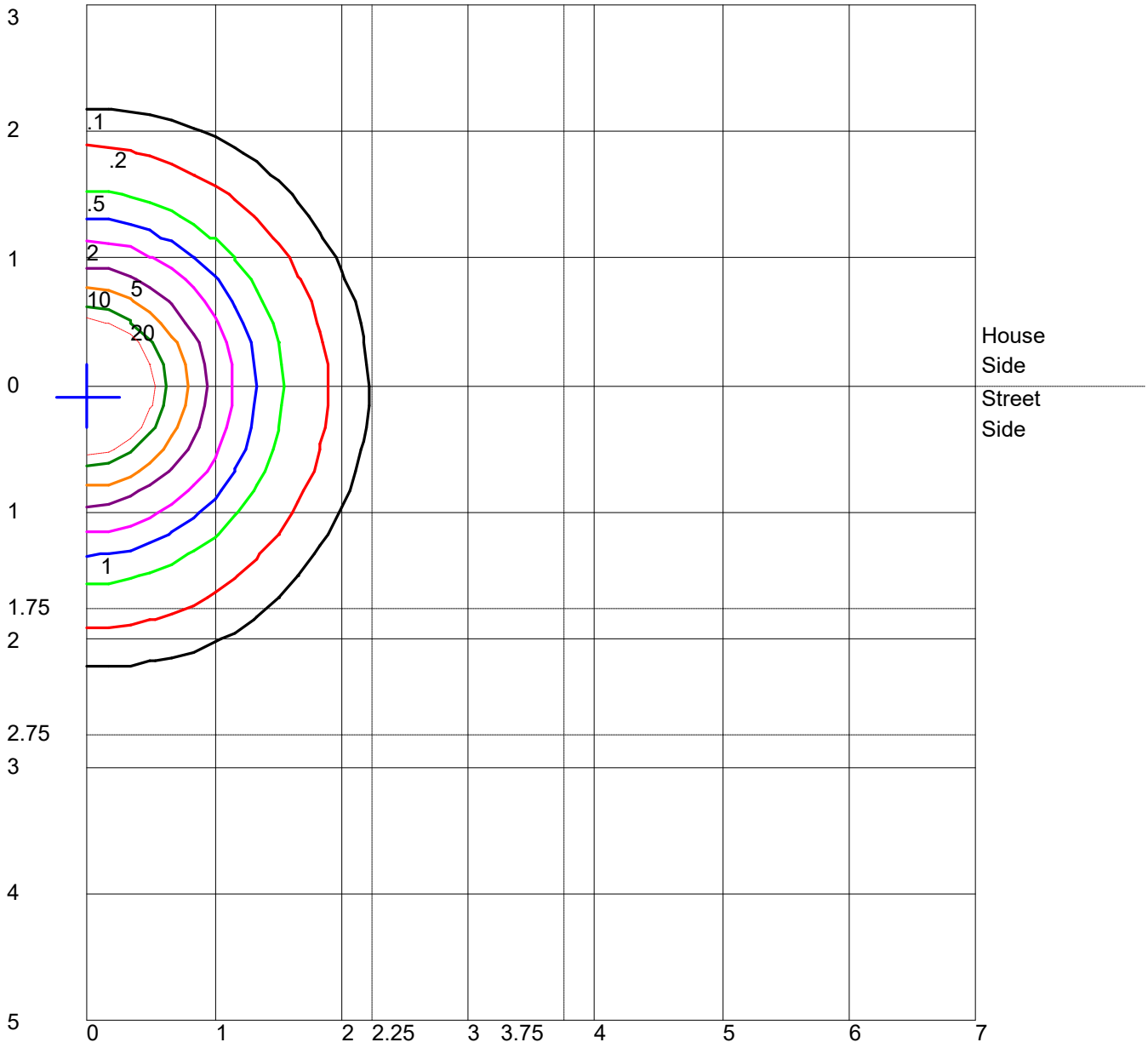
Results derived from content of manufacturers photometric file.

IES ROAD REPORT
PHOTOMETRIC FILENAME : GAU-LTL-60W-LED-60F.IES

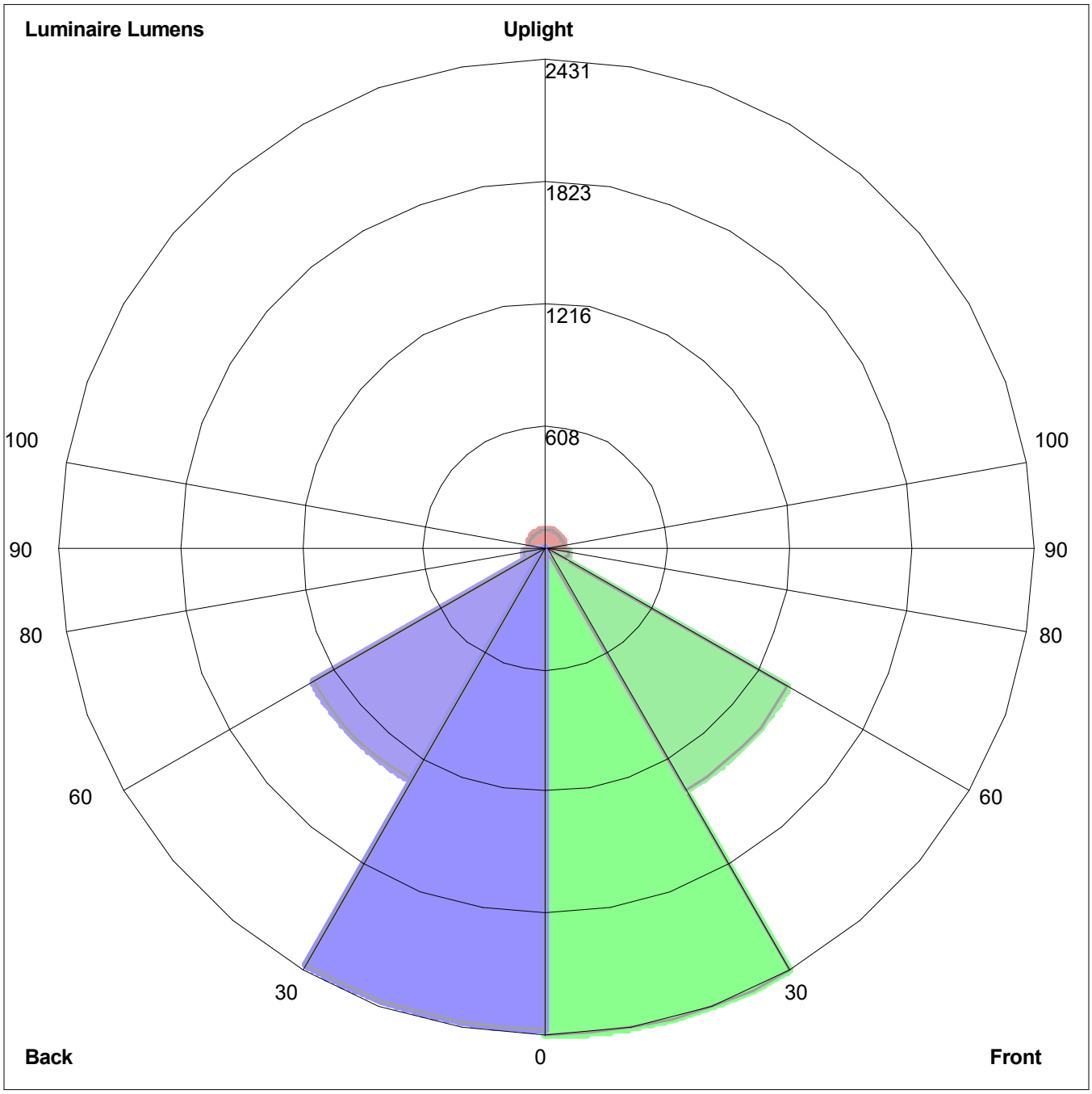
ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



Distance In Units Of Mounting Height
Values Based On 10 Foot Mounting Height
1/2 Maximum Candela Trace Shown As Dashed Curve
(+) = Maximum Candela Point

IES ROAD REPORT
PHOTOMETRIC FILENAME : GAU-LTL-60W-LED-60F.IES

LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=2431.1, Medium=1393.2, High=114.1, Very High=10.4
Back: Low=2399.5, Medium=1340.4, High=109.6, Very High=9.8
Uplight: Low=8.9, High=85.7

BUG Rating : B3-U3-G1

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Results derived from content of manufacturers photometric file.

IES ROAD REPORT
PHOTOMETRIC FILENAME : GAU-LTL-60W-LED-90WF.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] 194005
[TESTLAB] RADIANT IMAGING PROSOURCE
[TESTDATE] 2019-04-08
[ISSUEDATE] 2019-04-08
[MANUFAC] LARSON ELECTRONICS LLC
[LUMCAT] GAU-LTL-60W-LED-90WF
[LUMINAIRE] 60W LED FLOOD LIGHT - 90 DEGREE OPTICS
[OTHER] EVERFINE GO-R5000_V2 SYSTEM
[LAMPPOSITION] 0,0

CHARACTERISTICS

IES Classification	Type VS
Longitudinal Classification	Very Short
Lumens Per Lamp	8100 (1 lamp)
Total Lamp Lumens	8100
Luminaire Lumens	7905
Downward Total Efficiency	97 %
Total Luminaire Efficiency	98 %
Luminaire Efficacy Rating (LER)	132
Total Luminaire Watts	60
Ballast Factor	1.00
Upward Waste Light Ratio	0.01
Maximum Candela	5204.605
Maximum Candela Angle	180H 5V
Maximum Candela (<90 Degrees Vertical)	5204.605
Maximum Candela Angle (<90 Degrees Vertical)	180H 5V
Maximum Candela At 90 Degrees Vertical	0 (0.0% Lamp Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	34.808 (0.4% Lamp Lumens)
Cutoff Classification (deprecated)	Cutoff

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Results derived from content of manufacturers photometric file.

IES ROAD REPORT
PHOTOMETRIC FILENAME : GAU-LTL-60W-LED-90WF.IES

LUMINAIRE CLASSIFICATION SYSTEM (LCS)

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	1793.2	22.1	22.7
FM - Front-Medium (30-60)	1957.6	24.2	24.8
FH - Front-High (60-80)	145.7	1.8	1.8
FVH - Front-Very High (80-90)	6.6	0.1	0.1
BL - Back-Low (0-30)	1802.6	22.3	22.8
BM - Back-Medium (30-60)	1991.0	24.6	25.2
BH - Back-High (60-80)	151.2	1.9	1.9
BVH - Back-Very High (80-90)	6.9	0.1	0.1
UL - Uplight-Low (90-100)	0.7	0.0	0.0
UH - Uplight-High (100-180)	50.0	0.6	0.6
Total	7905.5	97.7	100.0
BUG Rating	B3-U2-G0		

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Results derived from content of manufacturers photometric file.

IES ROAD REPORT
PHOTOMETRIC FILENAME : GAU-LTL-60W-LED-90WF.IES

CANDELA TABULATION

Vert. Angles	Horizontal Angles									
	0	30	60	90	120	150	180	210	240	270
0	5172.689	5172.689	5172.689	5172.689	5172.689	5172.689	5172.689	5172.689	5172.689	5172.689
5	5199.988	5137.859	5092.982	5043.571	5013.276	4981.766	5204.605	5147.173	5089.661	5044.543
10	4952.118	4901.005	4869.982	4827.860	4798.698	4759.493	4966.132	4915.505	4860.666	4819.597
15	4684.161	4636.692	4606.802	4571.809	4546.375	4515.593	4710.001	4654.918	4610.691	4565.734
20	4418.228	4373.352	4348.241	4315.273	4294.374	4269.263	4445.850	4394.980	4349.294	4309.278
25	4046.748	4009.487	4000.009	3969.390	3949.787	3919.816	4077.286	4041.888	3996.121	3957.402
30	3588.838	3561.135	3560.649	3536.915	3516.988	3485.964	3625.127	3602.122	3561.621	3524.521
35	3119.506	3098.932	3101.281	3070.014	3071.634	3039.395	3151.179	3139.838	3094.962	3058.106
40	2515.953	2495.540	2511.255	2483.633	2496.675	2459.332	2555.564	2549.327	2504.370	2475.371
45	1849.298	1816.978	1840.388	1823.621	1834.394	1798.996	1889.881	1877.812	1840.307	1822.324
50	1202.409	1169.926	1192.688	1185.074	1189.367	1167.172	1240.642	1231.894	1202.003	1195.442
55	657.113	646.801	673.030	657.145	665.002	647.368	687.869	697.760	682.361	665.116
60	350.370	351.707	356.980	348.596	352.412	347.211	366.660	380.252	364.603	354.056
65	200.499	214.196	201.074	198.368	200.920	208.234	210.567	226.322	206.339	202.507
70	115.964	136.134	120.808	119.220	120.127	132.877	121.707	147.563	124.542	121.156
75	64.446	68.095	70.405	66.028	69.715	66.324	67.505	72.898	72.341	68.154
80	30.477	31.828	32.117	30.910	32.071	30.686	32.451	34.808	32.583	33.442
85	8.534	8.659	8.371	8.830	8.514	8.410	10.162	10.168	8.324	10.070
90	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
95	0.772	0.398	0.910	1.001	1.172	0.404	0.588	0.456	0.188	0.470
100	1.487	1.421	1.230	1.657	1.881	1.028	1.041	1.691	1.028	0.758
105	2.864	3.534	3.304	3.803	2.976	2.628	2.576	2.517	2.314	2.904
110	4.938	4.683	5.550	5.673	5.076	4.322	3.476	4.158	5.110	4.216
115	6.664	7.977	7.643	7.858	6.776	6.717	5.201	6.586	6.743	7.051
120	8.035	8.193	8.889	10.266	8.291	8.199	6.611	8.088	8.285	8.901
125	9.381	9.400	10.607	11.979	10.385	8.330	7.577	8.108	10.083	10.038
130	10.378	10.962	12.655	13.253	11.612	9.683	9.007	9.472	11.245	10.988
135	11.789	12.340	14.105	13.777	13.166	11.067	10.070	10.431	11.985	12.078
140	12.944	13.640	14.611	14.414	14.440	12.688	11.040	11.172	13.016	13.153
145	14.414	14.184	15.161	15.326	15.681	13.751	12.853	12.255	14.053	12.853
150	15.155	14.518	16.035	16.709	16.973	14.676	13.062	13.305	14.618	14.985
155	16.041	16.579	16.651	17.615	17.760	15.962	14.217	14.453	16.133	15.929
160	16.835	17.420	17.308	18.415	17.833	18.304	14.932	16.572	17.150	15.791
165	17.628	18.849	18.214	18.712	18.233	18.699	16.638	16.979	16.651	16.185
170	18.482	18.678	19.237	19.932	19.872	17.793	16.973	17.813	18.922	18.055
175	18.653	18.830	18.100	19.157	18.357	17.701	18.180	18.285	18.370	18.154
180	18.197	18.197	18.197	18.197	18.197	18.197	18.197	18.197	18.197	18.197

Vert. Angles	Horizontal Angles		
	300	330	360
0	5172.689	5172.689	5172.689
5	5001.611	4971.964	5199.988
10	4763.867	4731.385	4952.118
15	4511.705	4477.117	4684.161
20	4255.655	4222.525	4418.228
25	3898.350	3868.703	4046.748
30	3462.392	3433.393	3588.838
35	3015.823	2990.793	3119.506
40	2428.227	2407.247	2515.953
45	1772.508	1752.986	1849.298
50	1139.955	1131.369	1202.409
55	633.330	623.772	657.113

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CANDELA TABULATION - (Cont.)

60	336.964	336.154	350.370
65	192.236	201.406	200.499
70	115.607	127.321	115.964
75	66.638	64.264	64.446
80	30.673	30.221	30.477
85	8.114	8.475	8.534
90	0.000	0.000	0.000
95	0.300	0.424	0.772
100	1.179	1.290	1.487
105	3.442	3.063	2.864
110	4.616	3.803	4.938
115	6.317	5.745	6.664
120	7.386	7.340	8.035
125	9.269	8.167	9.381
130	11.362	9.197	10.378
135	11.927	9.918	11.789
140	12.340	10.812	12.944
145	13.049	11.710	14.414
150	14.177	12.405	15.155
155	14.978	14.047	16.041
160	15.613	15.031	16.835
165	16.435	16.709	17.628
170	17.420	16.900	18.482
175	17.780	17.071	18.653
180	18.197	18.197	18.197

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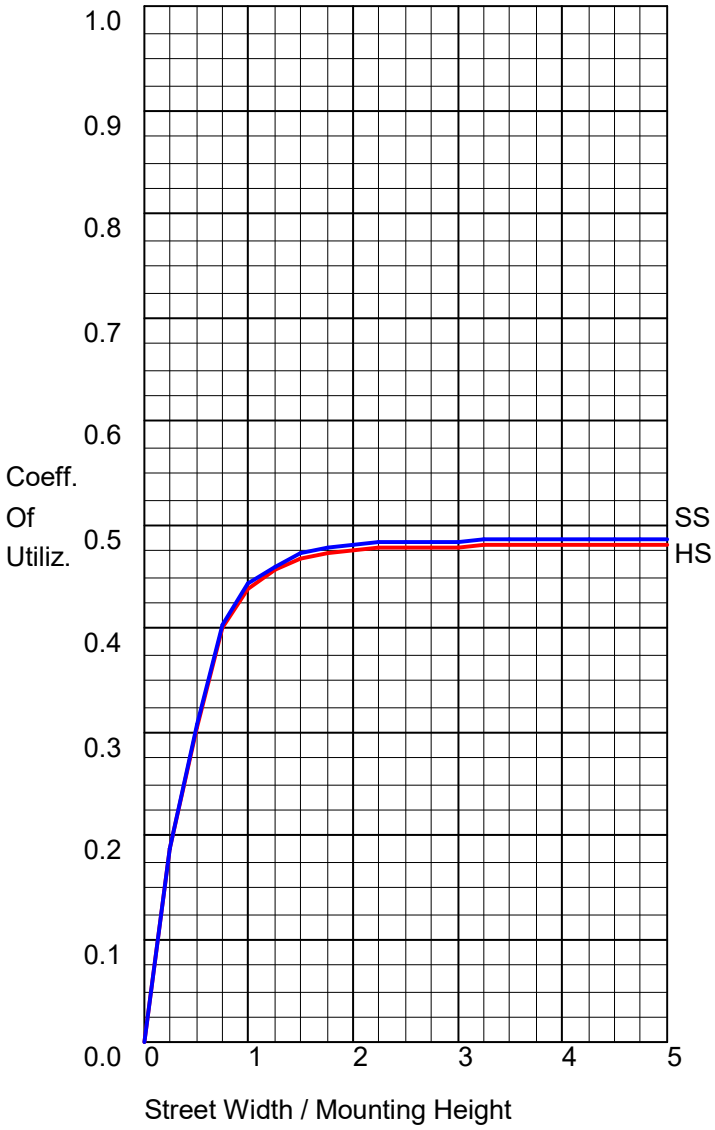
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

	Lumens	Percent Of Lamp
Downward Street Side	3903.1	48.2
Downward House Side	3951.7	48.8
Downward Total	7854.8	97.0
Upward Street Side	25.6	0.3
Upward House Side	25.0	0.3
Upward Total	50.6	0.6
Total Flux	7905.4	97.6

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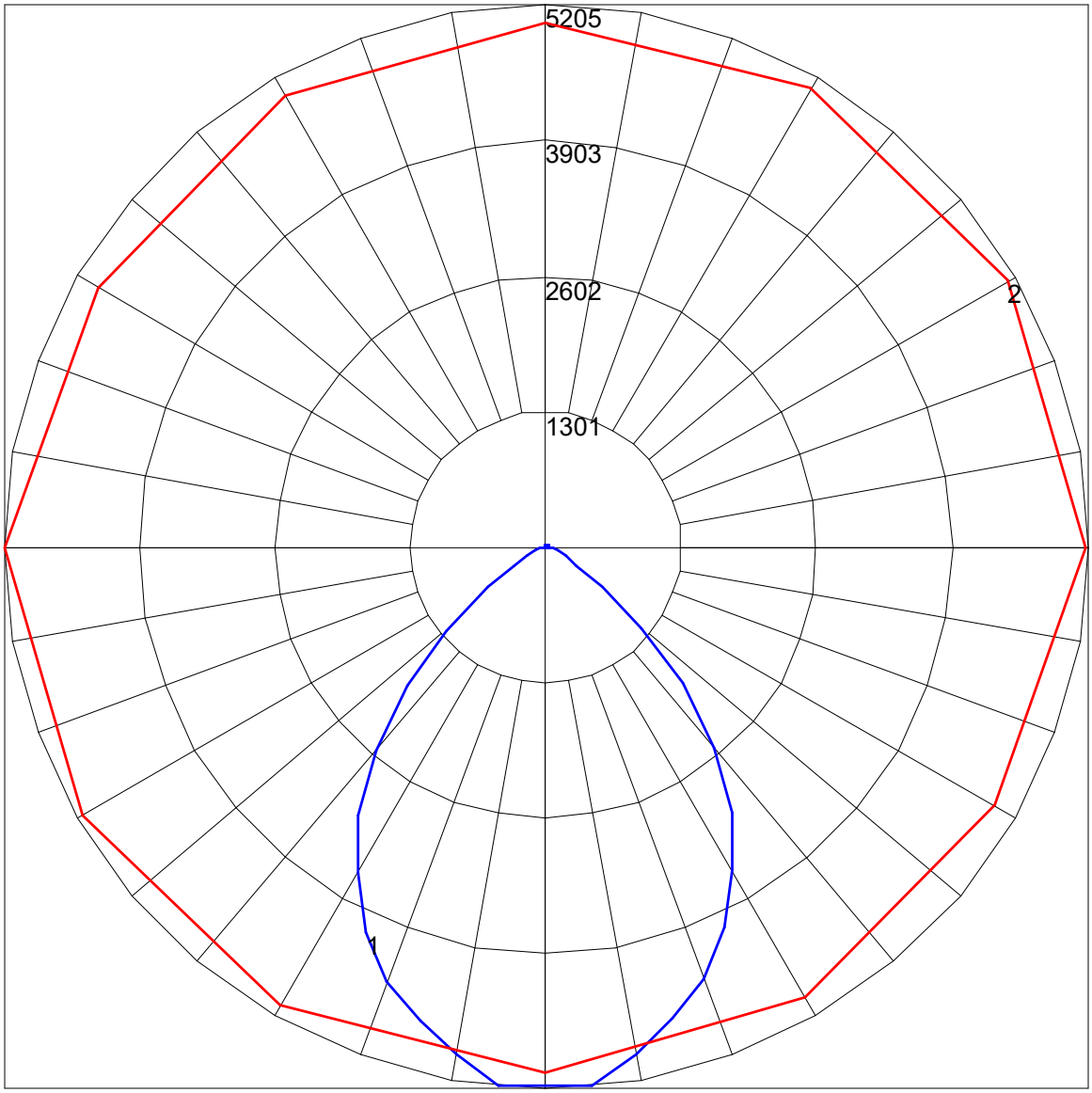
POLAR GRAPH



Maximum Candela = 5204.605 Located At Horizontal Angle = 180, Vertical Angle = 5
1 - Vertical Plane Through Horizontal Angles (180 - 0) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (5) (Through Max. Cd.)

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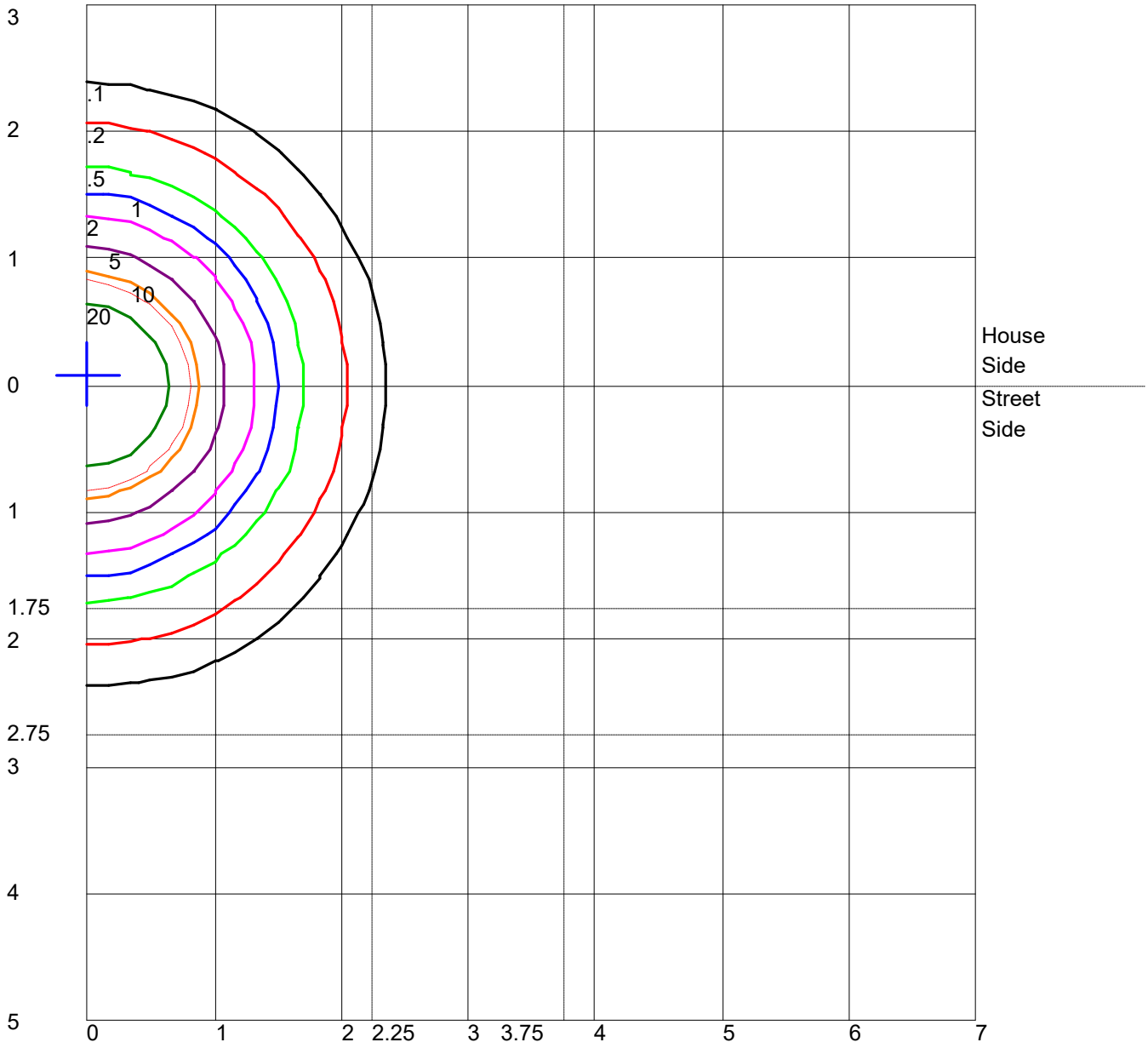
ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



Distance In Units Of Mounting Height
Values Based On 10 Foot Mounting Height
1/2 Maximum Candela Trace Shown As Dashed Curve
(+) = Maximum Candela Point

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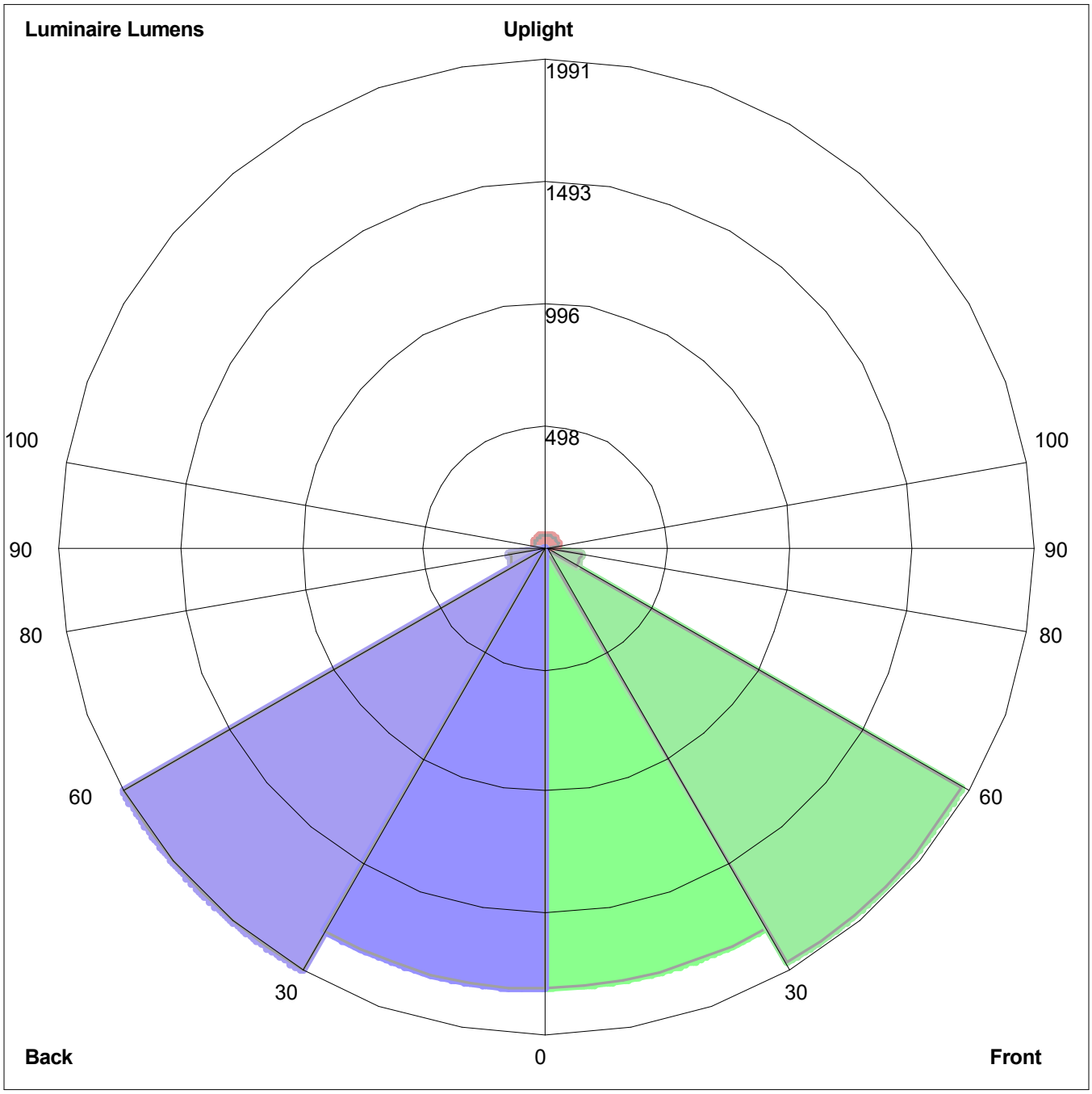
LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=1793.2, Medium=1957.6, High=145.7, Very High=6.6
Back: Low=1802.6, Medium= 1991.0, High=151.2, Very High=6.9
Uplight: Low=0.7, High=50.0

BUG Rating : B3-U2-G0

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