



IES INDOOR REPORT

PHOTOMETRIC FILENAME : GVP-48-2L-LED.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST]

[TESTLAB]

[ISSUEDATE] 3/10/2011

[MANUFAC] LARSON ELECTRONICS LLC

[LUMCAT] GVP-48-2L-LED

[LUMINAIRE] 49-3/4"L. X 5-7/8"W. X 4-3/16"H. SURFACE MOUNT FIXTURE TWO T8 TYPE LED LAMPS, CLEAR PRISMATIC L

[LAMPCAT] COOL WHITE LED

[LAMPPOSITION] 0.90

[_INPUT] 120VAC, 36.77W

[_TEST PROCEDURE] IESNA:LM-79-08

CHARACTERISTICS

Lumens Per Lamp	3500 (2 lamps)
Total Lamp Lumens	7000
Luminaire Lumens	7030
Total Luminaire Efficiency	100 %
Luminaire Efficacy Rating (LER)	126
Total Luminaire Watts	56
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.20
Spacing Criterion (90-270)	1.38
Spacing Criterion (Diagonal)	1.44
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	4.14 ft
Luminous Width (90-270)	0.49 ft
Luminous Height	0.17 ft



LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	9797	10163	8512
55	7626	7409	6366
65	5303	5662	6864
75	2651	4779	6639
85	1621	3634	3027

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CANDELA TABULATION

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0	2371.085	2371.085	2371.085	2371.085	2371.085
5	2339.275	2368.638	2375.979	2371.085	2366.191
15	2229.162	2260.973	2351.509	2229.162	2248.738
25	2018.725	2136.179	2114.156	2177.777	2190.011
35	1732.433	1759.350	1974.681	2101.921	2104.368
45	1360.499	1531.784	1727.540	1561.148	1529.337
55	873.558	1135.380	1115.805	1027.715	1030.162
65	460.025	643.545	716.953	883.345	954.307
75	149.263	330.337	472.259	628.864	743.870
85	39.151	117.453	247.141	259.376	247.141
90	31.810	83.196	168.839	168.839	161.498
95	34.257	68.514	129.688	139.476	139.476
105	29.363	53.833	88.090	107.665	112.559
115	26.916	36.704	80.749	97.878	100.325
125	0.000	24.469	44.045	73.408	83.196
135	0.000	0.000	29.363	41.598	46.492
145	0.000	0.000	0.000	26.916	31.810
155	0.000	0.000	0.000	0.000	0.000
165	0.000	0.000	0.000	0.000	0.000
175	0.000	0.000	0.000	0.000	0.000
180	0.000	0.000	0.000	0.000	0.000

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	497.61	7.10	7.10
0-30	1322.32	18.90	18.80
0-40	2437.19	34.80	34.70
0-60	4771.71	68.20	67.90
0-80	6244.44	89.20	88.80
0-90	6689.00	95.60	95.10
10-90	6632.36	94.70	94.30
20-40	1939.58	27.70	27.60
20-50	3173.32	45.30	45.10
40-70	3186.00	45.50	45.30
60-80	1472.73	21.00	20.90
70-80	621.24	8.90	8.80
80-90	444.57	6.40	6.30
90-110	164.94	2.40	2.30
90-120	242.07	3.50	3.40
90-130	296.90	4.20	4.20
90-150	338.08	4.80	4.80
90-180	341.02	4.90	4.90
110-180	176.07	2.50	2.50
0-180	7030.02	100.40	100.00

Total Luminaire Efficiency = 100.40%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	56.64
10-20	440.97
20-30	824.71
30-40	1114.87
40-50	1233.74
50-60	1100.78
60-70	851.49
70-80	621.24
80-90	444.57
90-100	64.49
100-110	100.46
110-120	77.12
120-130	54.83
130-140	29.13
140-150	12.06
150-160	2.93
160-170	0.00
170-180	0.00

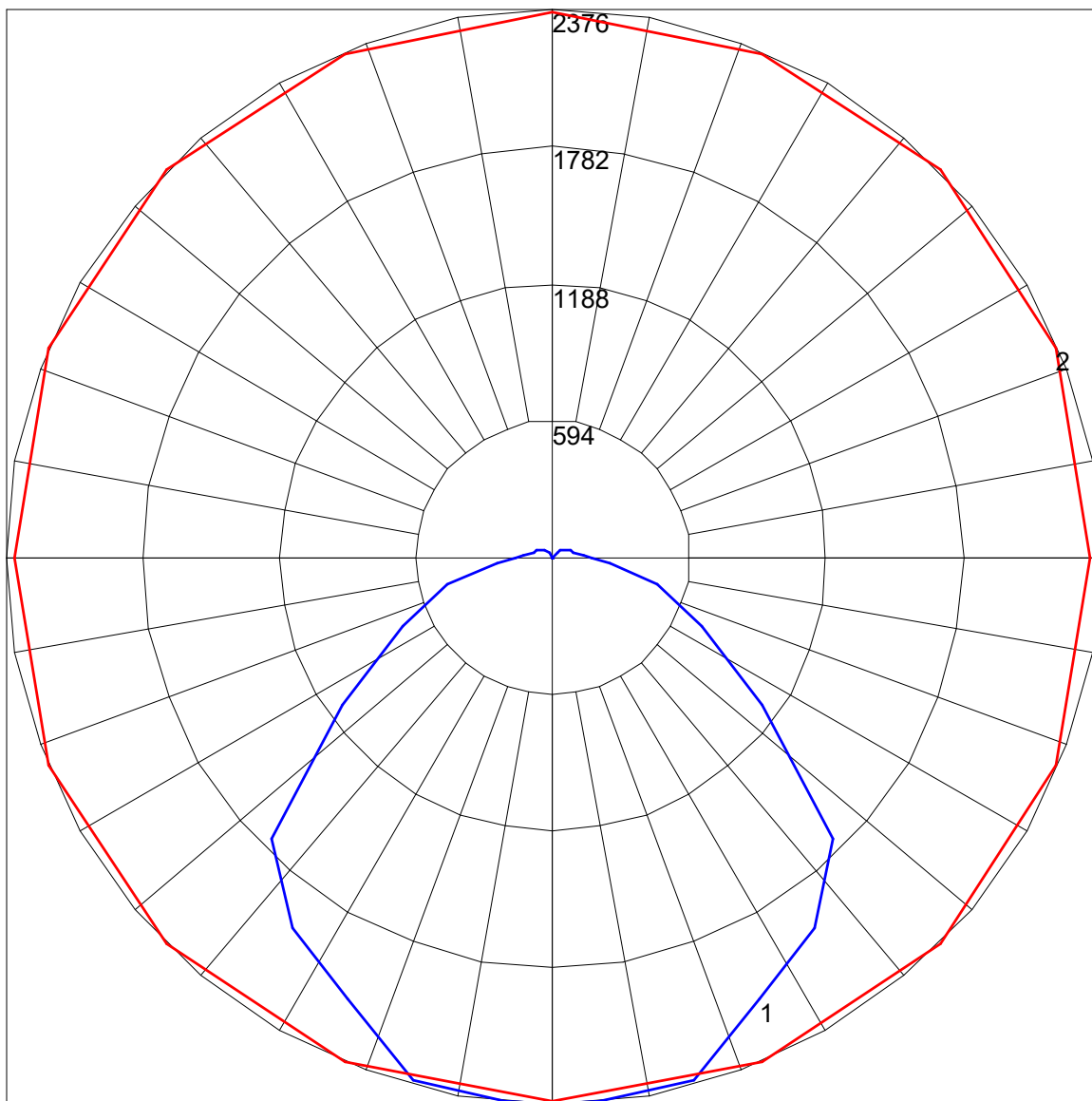
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

RC	80				70				50			30			10			0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	118	118	118	118	115	115	115	115	109	109	109	103	103	103	98	98	98	96
1	106	100	95	90	102	97	92	88	92	88	84	87	84	81	82	80	78	75
2	95	86	78	71	92	83	76	70	79	73	68	75	70	65	71	67	63	60
3	86	74	65	58	83	72	64	57	68	61	55	65	59	54	62	57	52	50
4	78	65	55	48	75	63	54	48	60	52	46	57	50	45	54	49	44	41
5	71	58	48	41	69	56	47	40	53	45	39	51	44	38	48	42	37	35
6	66	51	42	35	63	50	41	34	48	40	34	45	38	33	43	37	32	30
7	61	46	37	30	58	45	36	30	43	35	29	41	34	29	39	33	28	26
8	56	42	33	26	54	41	32	26	39	31	26	37	30	25	36	29	25	23
9	52	38	29	23	50	37	29	23	36	28	23	34	27	22	33	27	22	20
10	49	35	26	21	47	34	26	21	33	25	20	31	25	20	30	24	20	18

POLAR GRAPH



Maximum Candela = 2375.979 Located At Horizontal Angle = 45, Vertical Angle = 5
1 - Vertical Plane Through Horizontal Angles (45 - 225) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (5) (Through Max. Cd.)