IES FLOOD REPORT
PHOTOMETRIC FILENAME : LEDHWP-900.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]
[ISSUEDATE] 2015-04-28 16:14
[MANUFAC] LARSON ELECTROINCS LLC
[LUMCAT]
[LUMINAIRE] LEDHWP-900
[LAMPCAT]
[OTHER]

[OTHER] Gamma(deg)	Fz(lm)	Ft(lm)	%Lum	%Lamp
[OTHER] 0- 10	230.61	230.61	3.20	3.20
[OTHER] 10- 20	647.95	878.57	12.19	12.19
[OTHER] 20- 30	963.76	1842.33	25.57	25.57
[OTHER] 30- 40	1148.39	2990.72	41.50	41.50
[OTHER] 40- 50	1162.52	4153.24	57.64	57.64
[OTHER] 50- 60	1119.10	5272.34	73.17	73.17
[OTHER] 60- 70	1042.92	6315.26	87.64	87.64
[OTHER] 70- 80	716.94	7032.20	97.59	97.59
[OTHER] 80- 90	166.72	7198.93	99.91	99.91
[OTHER] 90-100	2.46	7201.39	99.94	99.94
[OTHER] 100-110	1.15	7202.53	99.96	99.96
[OTHER] 110-120	0.87	7203.41	99.97	99.97
[OTHER] 120-130	0.69	7204.10	99.98	99.98
[OTHER] 130-140	0.61	7204.70	99.99	99.99
[OTHER] 140-150	0.46	7205.16	99.99	99.99
[OTHER] 150-160	0.35	7205.51	100.00	100.00
[OTHER] 160-170	0.20	7205.71	100.00	100.00
[OTHER] 170-180	0.06	7205.77	100.00	100.00

[OTHER]

Note: Candela values converted from Type-C to Type-B

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CHARACTERISTICS



NEMA Type	7 H x 7 V
Maximum Candela	2794.77
Maximum Candela Angle	0H 55V
Horizontal Beam Angle (50%)	102.0
Vertical Beam Angle (50%)	104.3
Horizontal Field Angle (10%)	146.4
Vertical Field Angle (10%)	136.1
Lumens Per Lamp	7205.8 (1 lamp)
Total Lamp Lumens	7205.8
Beam Lumens	5444
Beam Efficiency	76 %
Field Lumens	6948
Field Efficiency	96 %
Spill Lumens	196
Luminaire Lumens	7145
Total Efficiency	99 %
Total Luminaire Watts	91.8
Ballast Factor	1.00

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AXIAL CANDELA

DEG.	HOR.	DEG.	VERT.
90	8.65	90	21.298
85	46.71	85	318.07
75	292.18	75	1911.95
65	665.1	65	2748.41
55	981.43	55	2794.77
47.5	1301.645	47.5	2736.8
42.5	1563.22	42.5	2741.2
37.5	1853.545	37.5	2699.21
33	2040.16	33	2675.44
29	2159.98	29	2658.81
25.5	2242.235	25.5	2498.7
22.5	2291.705	22.5	2628.865
19.5	2328.64	19.5	2325.62
17	2365.39	17	2476.04
15	2390.48	15	2362.38
13	2404.24	13	2417.16
11	2410.89	11	2435.27
9	2387.97	9	2398.42
7	2404.48	7	2471.58
5	2421.69	5	2350.91
3	2441.1	3	2496.36
1	2427.4	1	2408.52
0	2424.594	0	2424.594
-1	2433.77	-1	2409.81
-3	2445.87	-3	2444.46
-5	2445.43	-5	2442.72
-7	2438.15	-7	2321.38
-9	2478.7	-9	2231.56
-11	2454.81	-11	2158.86
-13	2432.94	-13	2088.84
-15	2422.34	-15	1993.15
-17	2421.2	-17	1869.48
-19.5	2396.715	-19.5	1774.4
-22.5	2347.52	-22.5	1613.195
-25.5	2295.925	-25.5	1428.2
-29	2214.42	-29	1244.2
-33	2109.44	-33	973.12
-37.5	1929.52	-37.5	722.085
-42.5	1663.8	-42.5	497.275
-47.5	1394.85	-47.5	344.115
-55	1028.72	-55	177.62
-65	706.39	-65	87.95
-75	339.31	-75	35.53
-85	65.4	-85	.97
-90	9.424	-90	.23

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CANDELA TABULATION
Maximum Candela = 2794.77
Beam Edge = 1397.385 Cd (50% of Max.)
Field Edge = 279.477 Cd (10% of Max.)
* Indicates Values Inside Field Edge

Vert. Angles	Horizontal Angles									
	-90.0	**-85.0**	**-75.0**	**-65.0**	**-55.0**	**-47.5**	**-42.5**	**-37.5**	**-33.0**	**-29.0**
90.0	9.380	9.400	9.445	10.611	15.125	18.508	19.159	18.207	17.351	16.590
85.0	9.384	11.694	18.690	28.174	46.516	70.036	101.575	156.504	211.755	264.164
75.0	9.391	16.489	47.116	179.392	380.414 *	600.364 *	817.134 *	1084.814 *	1309.774 *	1501.405 *
65.0	9.399	21.796	143.193	381.744 *	830.939 *	1346.367 *	1650.445 *	1928.864 *	2162.290 *	2325.339 *
55.0	9.405	28.144	232.073	537.464 *	1145.622 *	1621.010 *	1846.137 *	2084.891 *	2215.772 *	2321.644 *
47.5	9.410	34.224	281.404 *	659.821 *	1223.053 *	1624.988 *	1856.064 *	2079.508 *	2225.758 *	2347.635 *
42.5	9.412	38.200	304.393 *	722.977 *	1232.295 *	1604.128 *	1826.152 *	2017.550 *	2195.399 *	2275.509 *
37.5	9.415	42.181	325.489 *	770.637 *	1213.222 *	1563.573 *	1764.641 *	1971.318 *	2095.014 *	2264.453 *
33.0	9.417	47.389	340.663 *	799.333 *	1207.650 *	1507.583 *	1730.384 *	1903.810 *	2122.829 *	2232.770 *
29.0	9.418	52.156	350.910 *	811.102 *	1211.830 *	1462.309 *	1687.834 *	1900.356 *	2078.216 *	2192.708 *
25.5	9.420	55.734	358.253 *	814.768 *	1204.668 *	1445.652 *	1653.366 *	1887.527 *	2058.071 *	2196.024 *
22.5	9.421	58.359	362.319 *	814.516 *	1193.515 *	1449.371 *	1629.311 *	1872.195 *	2065.819 *	2137.104 *
19.5	9.421	60.576	365.070 *	811.797 *	1174.966 *	1453.448 *	1639.523 *	1879.680 *	2043.286 *	2112.672 *
17.0	9.422	62.114	366.470 *	807.173 *	1160.007 *	1455.452 *	1650.202 *	1897.875 *	2010.192 *	2136.702 *
15.0	9.422	63.144	366.515 *	801.295 *	1148.188 *	1455.304 *	1658.988 *	1909.257 *	2002.570 *	2160.837 *
13.0	9.423	63.996	365.631 *	793.324 *	1136.043 *	1453.581 *	1669.914 *	1917.001 *	2021.211 *	2176.746 *
11.0	9.423	67.099	363.843 *	783.782 *	1123.438 *	1449.830 *	1675.902 *	1923.611 *	2042.502 *	2202.482 *
9.0	9.423	66.793	361.183 *	772.733 *	1109.995 *	1444.389 *	1682.456 *	1928.015 *	2066.045 *	2217.452 *
7.0	9.424	66.485	357.682 *	760.248 *	1094.930 *	1437.449 *	1685.268 *	1934.644 *	2081.907 *	2222.620 *
5.0	9.424	66.176	355.564 *	746.405 *	1078.190 *	1428.771 *	1685.011 *	1934.233 *	2095.577 *	2222.634 *
3.0	9.424	65.866	349.071 *	732.510 *	1061.729 *	1417.479 *	1680.097 *	1934.162 *	2104.405 *	2221.097 *
1.0	9.424	65.555	342.565 *	715.102 *	1039.732 *	1403.211 *	1670.434 *	1931.853 *	2109.261 *	2217.729 *
0.0	9.424	65.400	339.310 *	706.390 *	1028.720 *	1394.850 *	1663.800 *	1929.520 *	2109.440 *	2214.420 *
-1.0	9.424	65.400	336.800 *	698.786 *	1016.572 *	1378.106 *	1645.524 *	1909.429 *	2086.780 *	2189.752 *
-3.0	9.424	64.919	331.782 *	683.591 *	992.304 *	1342.015 *	1605.431 *	1866.267 *	2037.480 *	2136.759 *
-5.0	9.424	64.599	326.776 *	665.231 *	962.501 *	1302.504 *	1560.787 *	1819.016 *	1985.608 *	2080.980 *
-7.0	9.424	64.280	317.850 *	647.155 *	933.130 *	1259.649 *	1511.810 *	1770.085 *	1931.191 *	2022.068 *
-9.0	9.423	63.962	310.413 *	628.266 *	902.250 *	1214.309 *	1459.312 *	1709.700 *	1877.051 *	1961.251 *
-11.0	9.423	63.646	302.462 *	608.636 *	869.955 *	1166.696 *	1402.798 *	1648.345 *	1814.821 *	1899.382 *
-13.0	9.423	60.214	294.035 *	588.336 *	837.138 *	1116.298 *	1347.186 *	1583.502 *	1752.996 *	1833.651 *
-15.0	9.422	58.901	285.169 *	567.437 *	802.392 *	1063.055 *	1280.756 *	1515.607 *	1684.607 *	1758.878 *
-17.0	9.422	57.461	275.900	545.549 *	767.183 *	1007.382 *	1215.226 *	1442.090 *	1601.833 *	1678.285 *
-19.5	9.421	55.491	263.801	517.200 *	722.644 *	936.353 *	1128.557 *	1339.429 *	1489.248 *	1573.661 *
-22.5	9.421	52.888	249.344	482.984 *	668.565 *	849.847 *	1021.377 *	1210.469 *	1352.274 *	1438.552 *
-25.5	9.420	50.036	234.913	448.636 *	611.652 *	762.838 *	913.220 *	1080.513 *	1212.819 *	1286.228 *
-29.0	9.418	46.414	217.541	408.789 *	544.617 *	669.969 *	796.695 *	938.086 *	1043.859 *	1119.944 *
-33.0	9.417	41.914	198.370	362.912 *	466.894 *	575.718 *	671.231 *	772.536 *	858.381 *	915.539 *
-37.5	9.415	37.222	176.918	310.059 *	386.950 *	479.186 *	539.814 *	608.357 *	665.493 *	712.663 *
-42.5	9.412	33.469	153.949	249.895	318.221 *	382.774 *	417.433 *	448.761 *	482.516 *	514.094 *
-47.5	9.410	29.885	131.735	194.106	257.740	296.800 *	314.064 *	321.769 *	341.081 *	357.096 *
-55.0	9.405	24.565	98.772	127.013	173.778	192.636	191.658	195.050	201.867	202.019
-65.0	9.399	18.635	58.395	67.560	85.694	90.338	85.368	90.759	93.053	93.247
-75.0	9.391	13.965	25.178	30.662	33.199	31.757	29.875	31.417	32.135	32.141
-85.0	9.384	9.991	10.880	10.698	8.633	5.953	4.427	3.694	2.997	2.293
-90.0	9.380	8.148	5.683	3.639	2.854	2.263	1.860	1.448	1.077	0.747

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CANDELA TABULATION - (Cont.)

Vert. Angles	Horizontal Angles									
	-25.5	**-22.5**	**-19.5**	**-17.0**	**-15.0**	**-13.0**	**-11.0**	**-9.0**	**-7.0**	**-5.0**
90.0	15.925	15.355	16.148	16.809	17.338	17.866	18.394	18.923	19.451	19.979
85.0	310.099 *	349.982 *	351.434 *	351.036 *	349.823 *	347.840 *	354.334 *	347.741 *	341.148 *	334.555 *
75.0	1661.496 *	1790.210 *	1846.871 *	1875.905 *	1893.954 *	1907.690 *	1917.393 *	1923.354 *	1925.865 *	1932.431 *
65.0	2432.356 *	2507.202 *	2571.651 *	2596.808 *	2618.288 *	2641.528 *	2661.808 *	2679.741 *	2695.952 *	2711.078 *
55.0	2453.279 *	2566.411 *	2639.027 *	2665.181 *	2679.778 *	2698.712 *	2720.797 *	2738.476 *	2752.785 *	2764.984 *
47.5	2470.067 *	2544.471 *	2593.079 *	2636.496 *	2658.201 *	2675.905 *	2688.429 *	2693.831 *	2699.374 *	2709.504 *
42.5	2354.598 *	2448.826 *	2542.141 *	2600.653 *	2624.154 *	2628.962 *	2640.295 *	2652.374 *	2667.741 *	2687.356 *
37.5	2376.669 *	2399.768 *	2437.874 *	2492.137 *	2545.803 *	2600.240 *	2629.415 *	2648.970 *	2661.956 *	2675.241 *
33.0	2275.204 *	2383.363 *	2487.517 *	2559.220 *	2597.835 *	2591.563 *	2592.544 *	2604.436 *	2629.975 *	2643.723 *
29.0	2306.564 *	2338.588 *	2353.761 *	2422.648 *	2498.352 *	2571.041 *	2628.827 *	2628.626 *	2618.211 *	2616.696 *
25.5	2204.821 *	2269.629 *	2427.984 *	2499.772 *	2490.759 *	2460.159 *	2456.177 *	2476.078 *	2499.816 *	2505.017 *
22.5	2207.923 *	2367.816 *	2384.340 *	2321.134 *	2339.848 *	2414.453 *	2532.184 *	2616.780 *	2568.679 *	2561.568 *
19.5	2283.357 *	2330.715 *	2243.454 *	2309.957 *	2431.869 *	2459.793 *	2382.895 *	2318.631 *	2319.689 *	2334.447 *
17.0	2297.121 *	2254.653 *	2273.043 *	2383.109 *	2362.244 *	2294.795 *	2300.924 *	2393.741 *	2457.435 *	2440.463 *
15.0	2278.638 *	2238.525 *	2324.493 *	2346.944 *	2279.455 *	2300.341 *	2404.953 *	2439.458 *	2382.031 *	2357.057 *
13.0	2257.929 *	2246.581 *	2333.919 *	2328.928 *	2329.487 *	2401.223 *	2469.060 *	2400.042 *	2370.570 *	2412.577 *
11.0	2246.534 *	2257.493 *	2339.192 *	2378.969 *	2418.091 *	2470.538 *	2420.814 *	2374.679 *	2442.472 *	2430.485 *
9.0	2243.944 *	2271.130 *	2383.928 *	2445.231 *	2446.611 *	2404.858 *	2357.058 *	2424.352 *	2471.350 *	2420.072 *
7.0	2252.992 *	2298.469 *	2421.414 *	2467.205 *	2403.862 *	2347.180 *	2375.409 *	2486.773 *	2482.011 *	2420.177 *
5.0	2265.456 *	2320.849 *	2431.146 *	2440.168 *	2377.985 *	2338.753 *	2407.831 *	2496.907 *	2431.009 *	2347.152 *
3.0	2278.773 *	2336.555 *	2421.840 *	2423.992 *	2386.932 *	2383.641 *	2441.737 *	2508.616 *	2488.469 *	2438.930 *
1.0	2290.607 *	2345.129 *	2405.762 *	2420.873 *	2408.767 *	2418.132 *	2456.142 *	2491.212 *	2451.263 *	2437.543 *
0.0	2295.925 *	2347.520 *	2396.715 *	2421.200 *	2422.340 *	2432.940 *	2454.810 *	2478.700 *	2438.150 *	2445.430 *
-1.0	2269.846 *	2321.152 *	2373.620 *	2408.349 *	2415.467 *	2432.216 *	2467.381 *	2485.790 *	2430.089 *	2418.946 *
-3.0	2215.986 *	2266.247 *	2323.850 *	2376.967 *	2399.854 *	2424.868 *	2479.937 *	2508.744 *	2437.199 *	2438.648 *
-5.0	2159.170 *	2208.684 *	2265.613 *	2335.207 *	2379.430 *	2404.444 *	2455.126 *	2460.839 *	2429.623 *	2453.764 *
-7.0	2098.592 *	2146.378 *	2200.153 *	2276.247 *	2328.818 *	2337.795 *	2348.518 *	2341.055 *	2321.212 *	2341.652 *
-9.0	2035.793 *	2081.341 *	2128.950 *	2186.255 *	2233.266 *	2256.588 *	2256.114 *	2247.780 *	2243.506 *	2247.774 *
-11.0	1966.271 *	2008.530 *	2055.497 *	2101.373 *	2131.861 *	2159.267 *	2163.963 *	2175.614 *	2185.714 *	2181.306 *
-13.0	1891.512 *	1934.703 *	1976.258 *	2024.122 *	2042.804 *	2051.316 *	2074.529 *	2089.839 *	2091.861 *	2096.479 *
-15.0	1811.942 *	1862.543 *	1887.692 *	1929.974 *	1970.844 *	1970.361 *	1970.115 *	1982.256 *	1990.699 *	1999.017 *
-17.0	1730.070 *	1779.022 *	1802.975 *	1823.451 *	1865.180 *	1896.735 *	1893.543 *	1874.625 *	1865.379 *	1882.874 *
-19.5	1621.167 *	1661.500 *	1700.401 *	1712.804 *	1732.395 *	1764.782 *	1788.677 *	1792.276 *	1785.932 *	1786.369 *
-22.5	1476.065 *	1510.871 *	1549.551 *	1576.602 *	1592.616 *	1602.749 *	1610.557 *	1621.670 *	1638.649 *	1645.655 *
-25.5	1323.652 *	1351.175 *	1391.905 *	1418.379 *	1430.053 *	1432.127 *	1430.564 *	1442.895 *	1457.527 *	1460.348 *
-29.0	1146.160 *	1175.868 *	1195.698 *	1212.710 *	1224.377 *	1231.691 *	1236.568 *	1252.403 *	1261.381 *	1264.141 *
-33.0	951.911 *	969.594 *	977.469 *	977.457 *	973.500 *	970.098 *	986.732 *	1004.479 *	1006.235 *	1005.199 *
-37.5	733.251 *	743.577 *	741.982 *	732.741 *	721.606 *	725.115 *	737.761 *	745.593 *	750.767 *	746.730 *
-42.5	526.258 *	529.882 *	518.726 *	503.544 *	496.398 *	508.948 *	513.525 *	517.636 *	518.397 *	516.438 *
-47.5	363.693 *	361.651 *	352.451 *	338.527 *	345.080 *	350.408 *	354.289 *	356.388 *	356.889 *	355.639 *
-55.0	197.975	191.081	183.625	184.823	187.786	189.702	189.959	189.715	188.578	186.549
-65.0	90.624	86.582	84.275	86.108	87.244	88.081	88.675	89.033	89.164	89.075
-75.0	31.649	30.811	31.653	32.683	33.388	33.989	34.488	34.888	35.191	35.668
-85.0	1.597	0.948	0.934	0.939	0.945	0.951	0.990	0.986	0.983	0.979
-90.0	0.459	0.211	0.214	0.216	0.217	0.219	0.221	0.222	0.224	0.226

Vert. Angles	Horizontal Angles									
	-3.0	**-1.0**	**0.0**	**1.0**	**3.0**	**5.0**	**7.0**	**9.0**	**11.0**	**13.0**
90.0	20.506	21.034	21.298	21.136	20.811	20.487	20.162	19.837	19.513	19.188
85.0	327.961 *	321.367 *	318.070 *	323.181 *	333.403 *	343.625 *	353.846 *	364.066 *	374.286 *	368.018 *
75.0	1924.240 *	1916.047 *	1911.950 *	1913.745 *	1917.334 *	1920.923 *	1910.956 *	1905.192 *	1896.732 *	1885.443 *
65.0	2724.792 *	2740.536 *	2748.410 *	2742.678 *	2731.218 *	2721.108 *	2709.079 *	2695.057 *	2678.153 *	2657.493 *

IES FLOOD REPORT
PHOTOMETRIC FILENAME : LEDHWP-900.IES

CANDELA TABULATION - (Cont.)

55.0	2774.329 *	2787.954 *	2794.770 *	2788.550 *	2776.118 *	2767.486 *	2755.644 *	2741.054 *	2722.286 *	2698.313 *
47.5	2719.839 *	2730.869 *	2736.800 *	2732.463 *	2724.088 *	2714.818 *	2703.126 *	2695.407 *	2688.959 *	2674.579 *
42.5	2707.970 *	2729.782 *	2741.200 *	2730.631 *	2710.833 *	2693.177 *	2678.076 *	2667.591 *	2661.428 *	2656.809 *
37.5	2687.373 *	2696.140 *	2699.210 *	2696.822 *	2689.625 *	2679.683 *	2669.315 *	2661.081 *	2647.649 *	2632.225 *
33.0	2653.565 *	2664.604 *	2675.440 *	2663.027 *	2650.388 *	2642.985 *	2638.345 *	2628.261 *	2618.747 *	2610.835 *
29.0	2629.931 *	2650.188 *	2658.810 *	2652.013 *	2635.532 *	2626.398 *	2632.548 *	2641.652 *	2627.323 *	2552.439 *
25.5	2509.580 *	2502.669 *	2498.700 *	2499.902 *	2500.243 *	2486.072 *	2474.288 *	2446.490 *	2448.498 *	2474.456 *
22.5	2571.551 *	2607.040 *	2628.865 *	2608.211 *	2575.130 *	2567.738 *	2573.467 *	2616.031 *	2516.471 *	2389.027 *
19.5	2341.282 *	2333.335 *	2325.620 *	2330.850 *	2335.028 *	2327.934 *	2318.551 *	2330.367 *	2401.737 *	2467.435 *
17.0	2436.308 *	2462.955 *	2476.040 *	2466.382 *	2443.907 *	2445.510 *	2448.291 *	2382.957 *	2321.905 *	2332.897 *
15.0	2364.166 *	2360.640 *	2362.380 *	2364.729 *	2375.771 *	2374.497 *	2398.336 *	2434.051 *	2398.279 *	2335.341 *
13.0	2431.377 *	2428.887 *	2417.160 *	2430.723 *	2437.461 *	2424.268 *	2386.135 *	2410.591 *	2444.641 *	2387.364 *
11.0	2406.362 *	2416.570 *	2435.270 *	2421.462 *	2422.406 *	2447.769 *	2423.443 *	2364.693 *	2426.328 *	2448.468 *
9.0	2429.974 *	2422.305 *	2398.420 *	2416.652 *	2418.536 *	2409.270 *	2426.513 *	2364.496 *	2349.236 *	2419.840 *
7.0	2472.808 *	2454.641 *	2471.580 *	2452.282 *	2463.296 *	2426.950 *	2462.695 *	2407.822 *	2339.057 *	2364.365 *
5.0	2397.607 *	2379.801 *	2350.910 *	2364.077 *	2374.344 *	2345.130 *	2416.427 *	2407.514 *	2340.997 *	2348.403 *
3.0	2506.967 *	2505.169 *	2496.360 *	2497.342 *	2511.871 *	2440.100 *	2473.047 *	2410.728 *	2370.244 *	2365.098 *
1.0	2433.082 *	2426.215 *	2408.520 *	2419.289 *	2433.039 *	2429.391 *	2432.524 *	2400.982 *	2399.309 *	2390.312 *
0.0	2445.870 *	2433.770 *	2424.594 *	2427.400 *	2441.100 *	2421.690 *	2404.480 *	2387.970 *	2410.890 *	2404.240 *
-1.0	2426.581 *	2420.977 *	2409.810 *	2409.081 *	2412.344 *	2401.875 *	2402.459 *	2399.216 *	2415.907 *	2408.717 *
-3.0	2458.312 *	2435.288 *	2444.460 *	2448.180 *	2445.164 *	2418.689 *	2407.141 *	2423.912 *	2426.076 *	2414.572 *
-5.0	2471.007 *	2463.860 *	2442.720 *	2457.221 *	2448.494 *	2437.233 *	2397.839 *	2391.266 *	2418.221 *	2414.871 *
-7.0	2345.023 *	2349.285 *	2321.380 *	2340.156 *	2324.911 *	2331.744 *	2310.571 *	2288.116 *	2325.479 *	2338.074 *
-9.0	2237.720 *	2237.050 *	2231.560 *	2235.680 *	2237.636 *	2243.718 *	2207.664 *	2195.204 *	2230.426 *	2245.365 *
-11.0	2178.658 *	2169.985 *	2158.860 *	2169.239 *	2174.479 *	2166.410 *	2154.967 *	2143.606 *	2145.341 *	2163.727 *
-13.0	2103.622 *	2098.990 *	2088.840 *	2096.420 *	2097.758 *	2091.794 *	2081.975 *	2081.418 *	2080.905 *	2063.069 *
-15.0	2004.307 *	2001.892 *	1993.150 *	2001.949 *	2003.922 *	1996.829 *	1987.514 *	1984.163 *	1974.486 *	1962.725 *
-17.0	1888.725 *	1880.796 *	1869.480 *	1880.156 *	1886.686 *	1879.136 *	1859.211 *	1866.949 *	1872.677 *	1869.916 *
-19.5	1785.135 *	1779.361 *	1774.400 *	1776.818 *	1775.951 *	1766.729 *	1753.413 *	1757.009 *	1759.637 *	1739.205 *
-22.5	1638.759 *	1624.309 *	1613.195 *	1620.547 *	1627.632 *	1627.609 *	1612.480 *	1586.249 *	1575.232 *	1569.085 *
-25.5	1453.799 *	1438.835 *	1428.200 *	1434.812 *	1441.843 *	1440.788 *	1432.703 *	1415.554 *	1407.266 *	1412.970 *
-29.0	1261.313 *	1252.808 *	1244.200 *	1251.594 *	1257.862 *	1258.954 *	1255.277 *	1246.560 *	1232.488 *	1228.928 *
-33.0	997.279 *	983.515 *	973.120 *	983.909 *	998.458 *	1007.154 *	1008.951 *	1007.938 *	989.789 *	972.196 *
-37.5	740.635 *	729.526 *	722.085 *	729.584 *	740.773 *	746.841 *	750.721 *	745.564 *	737.764 *	725.558 *
-42.5	511.107 *	502.624 *	497.275 *	503.105 *	512.583 *	519.008 *	522.223 *	522.420 *	519.060 *	515.128 *
-47.5	352.423 *	347.332 *	344.115 *	348.195 *	355.037 *	360.083 *	363.294 *	364.788 *	364.636 *	362.747 *
-55.0	184.606	179.950	177.620	180.640	186.677	189.951	193.271	195.631	197.011	197.803
-65.0	88.990	88.297	87.950	88.512	89.636	90.154	90.680	90.991	91.079	90.939
-75.0	35.613	35.558	35.530	35.664	35.933	36.202	35.922	35.816	35.603	35.279
-85.0	0.975	0.972	0.970	0.971	0.974	0.977	0.979	0.982	0.985	0.946
-90.0	0.227	0.229	0.230	0.230	0.231	0.232	0.233	0.234	0.235	0.236

Vert. Angles	**Horizontal Angles**									
	15.0	**17.0**	**19.5**	**22.5**	**25.5**	**29.0**	**33.0**	**37.5**	**42.5**	**47.5**
90.0	18.863	18.537	18.131	17.643	17.123	16.518	15.824	15.044	14.175	13.749
85.0	371.812 *	374.287 *	375.384 *	372.409 *	325.196 *	271.276	212.103	153.347	100.590	69.693
75.0	1871.195 *	1853.865 *	1827.692 *	1770.793 *	1636.053 *	1466.796 *	1274.710 *	1042.401 *	763.720 *	570.503 *
65.0	2632.229 *	2608.702 *	2580.690 *	2511.817 *	2428.539 *	2306.937 *	2149.798 *	1952.933 *	1636.379 *	1302.190 *
55.0	2680.262 *	2666.862 *	2650.892 *	2600.008 *	2508.930 *	2385.919 *	2254.696 *	2108.017 *	1962.977 *	1619.878 *
47.5	2658.706 *	2642.883 *	2604.203 *	2565.912 *	2512.557 *	2409.419 *	2243.918 *	2087.316 *	1912.365 *	1635.653 *
42.5	2665.347 *	2653.018 *	2614.792 *	2504.224 *	2374.320 *	2259.497 *	2197.527 *	2080.428 *	1838.983 *	1646.068 *
37.5	2596.122 *	2530.606 *	2456.414 *	2412.852 *	2391.373 *	2330.363 *	2127.112 *	1966.845 *	1808.299 *	1587.799 *
33.0	2591.818 *	2564.464 *	2514.794 *	2432.860 *	2306.669 *	2239.430 *	2151.187 *	1932.063 *	1742.527 *	1536.968 *
29.0	2478.691 *	2424.138 *	2384.186 *	2358.273 *	2353.601 *	2230.043 *	2074.667 *	1922.797 *	1712.454 *	1479.261 *
25.5	2511.850 *	2514.214 *	2426.732 *	2284.341 *	2235.239 *	2231.119 *	2069.660 *	1880.121 *	1676.533 *	1455.814 *

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CANDELA TABULATION - (Cont.)

22.5	2328.421 *	2340.533 *	2404.814 *	2369.879 *	2210.437 *	2153.364 *	2093.898 *	1855.041 *	1637.179 *	1462.392 *
19.5	2415.949 *	2293.438 *	2257.585 *	2334.047 *	2261.317 *	2111.888 *	2058.934 *	1863.848 *	1619.742 *	1463.367 *
17.0	2389.777 *	2372.362 *	2263.466 *	2266.774 *	2267.797 *	2114.119 *	2017.387 *	1886.076 *	1619.924 *	1454.923 *
15.0	2329.400 *	2362.716 *	2311.550 *	2244.667 *	2255.697 *	2116.798 *	2000.162 *	1896.684 *	1620.813 *	1442.071 *
13.0	2350.157 *	2338.715 *	2324.666 *	2248.633 *	2246.223 *	2117.869 *	2002.304 *	1897.254 *	1624.089 *	1427.775 *
11.0	2401.655 *	2364.151 *	2318.697 *	2259.165 *	2242.194 *	2144.007 *	2011.777 *	1895.115 *	1620.615 *	1411.647 *
9.0	2436.283 *	2409.746 *	2334.614 *	2261.617 *	2238.843 *	2160.851 *	2024.458 *	1889.510 *	1618.108 *	1394.662 *
7.0	2424.113 *	2436.014 *	2358.456 *	2270.490 *	2237.657 *	2170.930 *	2032.382 *	1887.151 *	1612.571 *	1377.065 *
5.0	2393.041 *	2416.434 *	2365.392 *	2278.669 *	2238.521 *	2174.412 *	2039.149 *	1878.933 *	1604.160 *	1358.433 *
3.0	2381.921 *	2395.072 *	2356.264 *	2287.404 *	2241.291 *	2172.033 *	2042.292 *	1871.272 *	1591.190 *	1337.665 *
1.0	2386.167 *	2375.858 *	2339.030 *	2291.334 *	2242.445 *	2165.299 *	2042.236 *	1860.551 *	1573.673 *	1314.367 *
0.0	2390.480 *	2365.390 *	2328.640 *	2291.705 *	2242.235 *	2159.980 *	2040.160 *	1853.545 *	1563.220 *	1301.645 *
-1.0	2390.420 *	2359.347 *	2311.179 *	2270.274 *	2220.082 *	2136.703 *	2019.181 *	1834.856 *	1547.073 *	1286.767 *
-3.0	2383.302 *	2340.344 *	2272.237 *	2224.969 *	2173.608 *	2086.539 *	1973.397 *	1793.670 *	1511.434 *	1254.653 *
-5.0	2363.569 *	2310.705 *	2225.727 *	2176.945 *	2123.771 *	2032.870 *	1925.177 *	1747.889 *	1471.376 *	1219.376 *
-7.0	2318.114 *	2260.140 *	2173.738 *	2123.615 *	2068.859 *	1974.712 *	1874.577 *	1701.045 *	1426.968 *	1180.925 *
-9.0	2231.248 *	2169.039 *	2113.401 *	2065.800 *	2007.613 *	1912.984 *	1824.305 *	1642.627 *	1378.842 *	1140.004 *
-11.0	2130.912 *	2084.626 *	2042.900 *	1997.477 *	1938.505 *	1849.215 *	1764.420 *	1583.851 *	1327.001 *	1096.665 *
-13.0	2034.159 *	2004.292 *	1962.041 *	1919.818 *	1859.567 *	1781.477 *	1702.386 *	1521.296 *	1276.239 *	1050.338 *
-15.0	1948.937 *	1911.193 *	1872.083 *	1836.081 *	1777.014 *	1711.988 *	1631.339 *	1454.971 *	1214.268 *	1000.763 *
-17.0	1842.597 *	1805.689 *	1781.875 *	1748.235 *	1695.447 *	1638.975 *	1551.658 *	1382.997 *	1153.373 *	948.282 *
-19.5	1709.011 *	1686.777 *	1667.034 *	1635.529 *	1588.464 *	1536.848 *	1446.580 *	1284.176 *	1072.345 *	879.665 *
-22.5	1560.049 *	1548.017 *	1530.063 *	1491.317 *	1447.110 *	1399.777 *	1311.980 *	1158.418 *	972.397 *	794.265 *
-25.5	1414.375 *	1406.439 *	1379.225 *	1329.266 *	1295.638 *	1253.713 *	1172.781 *	1036.148 *	868.670 *	707.778 *
-29.0	1220.643 *	1205.298 *	1183.089 *	1155.633 *	1120.706 *	1090.150 *	1007.227 *	899.497 *	754.220 *	621.093 *
-33.0	971.689 *	971.167 *	965.512 *	952.325 *	932.838 *	890.523 *	829.238 *	741.091 *	630.248 *	533.350 *
-37.5	721.349 *	730.698 *	737.857 *	734.730 *	719.249 *	694.092 *	644.049 *	579.549 *	509.867 *	447.681 *
-42.5	504.725 *	510.635 *	521.836 *	529.352 *	522.292 *	501.867 *	466.929 *	433.091 *	398.322 *	363.936 *
-47.5	359.606 *	355.214 *	364.415 *	367.962 *	365.046 *	355.548 *	338.797 *	319.530 *	306.782 *	287.136 *
-55.0	197.444	196.139	195.523	200.524	204.605	207.103	206.370	200.793	195.010	188.874
-65.0	90.564	89.890	88.635	91.282	95.245	98.063	98.341	94.673	88.899	92.296
-75.0	34.839	34.280	33.406	32.665	33.400	33.787	33.746	33.135	31.885	33.513
-85.0	0.939	0.933	0.927	0.924	1.817	2.794	3.854	4.989	6.076	7.627
-90.0	0.237	0.238	0.240	0.241	0.571	0.955	1.394	1.888	2.436	2.873

Vert. Angles	**Horizontal Angles**				
	55.0	**65.0**	**75.0**	**85.0**	**90.0**
90.0	13.774	13.810	12.080	9.765	8.610
85.0	47.890	31.056	20.615	11.846	8.613
75.0	369.850 *	183.455	46.908	16.445	8.620
65.0	812.158 *	390.171 *	135.777	21.756	8.627
55.0	1133.154 *	529.007 *	215.641	26.562	8.633
47.5	1215.381 *	627.875 *	264.010	30.641	8.637
42.5	1227.268 *	686.418 *	285.663 *	33.123	8.639
37.5	1209.346 *	729.934 *	301.709 *	35.501	8.642
33.0	1229.804 *	757.895 *	314.358 *	38.777	8.643
29.0	1223.150 *	775.968 *	322.842 *	41.683	8.645
25.5	1208.605 *	783.233 *	327.919 *	43.752	8.646
22.5	1193.693 *	784.420 *	330.216 *	45.179	8.647
19.5	1176.662 *	778.933 *	330.649 *	46.293	8.648
17.0	1158.546 *	772.246 *	329.620 *	46.989	8.648
15.0	1142.061 *	764.937 *	327.910 *	47.398	8.648
13.0	1125.389 *	755.871 *	325.432 *	47.680	8.649
11.0	1105.983 *	745.472 *	322.207 *	49.350	8.649
9.0	1086.131 *	733.753 *	318.256 *	48.875	8.649

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CANDELA TABULATION - (Cont.)

7.0	1065.166 *	720.725 *	313.604 *	48.396	8.650
5.0	1042.978 *	706.408 *	310.128 *	47.916	8.650
3.0	1021.166 *	692.178 *	302.959 *	47.434	8.650
1.0	994.686 *	674.131 *	295.775 *	46.710	8.650
0.0	981.430 *	665.100 *	292.180 *	46.710	8.650
-1.0	969.228 *	657.902 *	290.226 *	46.624	8.650
-3.0	944.853 *	643.518 *	286.322 *	46.451	8.650
-5.0	915.441 *	625.554 *	282.426 *	46.279	8.649
-7.0	886.303 *	607.931 *	275.168	46.108	8.649
-9.0	855.638 *	589.415 *	269.174	45.937	8.649
-11.0	823.477 *	570.096 *	262.728	45.767	8.649
-13.0	790.620 *	550.067 *	255.859	43.742	8.648
-15.0	755.352 *	529.416 *	248.594	42.976	8.648
-17.0	719.933 *	508.188 *	240.963	42.134	8.648
-19.5	675.789 *	481.005 *	230.949	40.976	8.647
-22.5	623.489 *	448.238 *	218.353	39.440	8.646
-25.5	570.715 *	413.929 *	205.217	37.752	8.645
-29.0	508.400 *	374.371 *	189.288	35.599	8.644
-33.0	437.026 *	330.054 *	170.713	32.913	8.642
-37.5	362.259 *	283.239 *	150.058	30.103	8.640
-42.5	300.162 *	233.128	129.625	28.008	8.638
-47.5	243.241	185.778	109.526	25.991	8.635
-55.0	169.488	123.859	80.112	22.768	8.631
-65.0	86.371	66.668	47.188	18.250	8.625
-75.0	34.185	30.381	23.102	13.368	8.618
-85.0	10.017	11.823	11.095	9.363	8.611
-90.0	3.359	4.005	5.647	7.622	8.608

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LUMEN TABULATION
Average Of Right And Left Sides
Total Luminaire Lumens (one side of beam only) = 3572.35
Total Field Lumens (one side of beam only) = 3474.15
* Indicates Values Inside Field Edge

Vert. Angles	Horizontal Angles									
	0	1	3	5	7	9	11	13	15	17
90	0.26	0.53	0.54	0.55	0.56	0.57	0.57	0.56	0.56	0.69
85	3.40 *	6.83 *	6.86 *	6.86 *	6.84 *	6.81 *	6.74 *	6.65 *	6.55 *	8.01 *
75	7.09 *	14.16 *	14.12 *	14.03 *	13.91 *	13.77 *	13.59 *	13.38 *	13.14 *	16.06 *
65	8.43 *	16.79 *	16.69 *	16.57 *	16.41 *	16.23 *	16.00 *	15.74 *	15.48 *	18.97 *
55	6.31 *	12.58 *	12.51 *	12.42 *	12.32 *	12.20 *	12.05 *	11.87 *	11.69 *	14.30 *
47.5	4.17 *	8.29 *	8.23 *	8.16 *	8.09 *	8.02 *	7.94 *	7.85 *	7.74 *	9.44 *
42.5	4.14 *	8.24 *	8.18 *	8.11 *	8.03 *	7.95 *	7.86 *	7.74 *	7.58 *	9.19 *
37.5	3.68 *	7.33 *	7.29 *	7.24 *	7.17 *	7.10 *	7.01 *	6.90 *	6.75 *	8.15 *
33	3.24 *	6.45 *	6.41 *	6.38 *	6.34 *	6.29 *	6.20 *	6.06 *	5.90 *	7.13 *
29	2.75 *	5.48 *	5.45 *	5.42 *	5.39 *	5.34 *	5.27 *	5.18 *	5.08 *	6.15 *
25.5	2.34 *	4.65 *	4.62 *	4.60 *	4.59 *	4.52 *	4.40 *	4.30 *	4.25 *	5.24 *
22.5	2.26 *	4.50 *	4.47 *	4.45 *	4.45 *	4.44 *	4.37 *	4.27 *	4.12 *	5.03 *
19.5	1.83 *	3.64 *	3.63 *	3.61 *	3.58 *	3.53 *	3.53 *	3.54 *	3.47 *	4.16 *
17	1.47 *	2.93 *	2.92 *	2.92 *	2.92 *	2.86 *	2.78 *	2.75 *	2.76 *	3.37 *
15	1.46 *	2.92 *	2.91 *	2.89 *	2.90 *	2.91 *	2.85 *	2.77 *	2.73 *	3.38 *
13	1.48 *	2.95 *	2.95 *	2.93 *	2.89 *	2.90 *	2.90 *	2.84 *	2.77 *	3.39 *
11	1.47 *	2.95 *	2.95 *	2.95 *	2.91 *	2.86 *	2.87 *	2.87 *	2.83 *	3.43 *
9	1.48 *	2.97 *	2.96 *	2.96 *	2.94 *	2.87 *	2.82 *	2.84 *	2.85 *	3.48 *
7	1.47 *	2.95 *	2.92 *	2.93 *	2.95 *	2.89 *	2.81 *	2.81 *	2.83 *	3.50 *
5	1.48 *	2.97 *	2.94 *	2.94 *	2.96 *	2.91 *	2.83 *	2.80 *	2.81 *	3.48 *
3	1.50 *	3.00 *	2.98 *	2.97 *	2.96 *	2.92 *	2.86 *	2.83 *	2.81 *	3.46 *
1	0.74 *	1.48 *	1.48 *	1.47 *	1.47 *	1.46 *	1.44 *	1.42 *	1.40 *	1.72 *
0	0.74 *	1.48 *	1.47 *	1.47 *	1.46 *	1.46 *	1.45 *	1.43 *	1.40 *	1.71 *
-1	1.48 *	2.96 *	2.95 *	2.93 *	2.94 *	2.94 *	2.90 *	2.85 *	2.79 *	3.39 *
-3	1.49 *	2.99 *	2.97 *	2.94 *	2.93 *	2.93 *	2.90 *	2.84 *	2.77 *	3.34 *

IES FLOOD REPORT
PHOTOMETRIC FILENAME : LEDHWP-900.IES

LUMENS TABULATION - (Cont.)

-5	1.46 *	2.92 *	2.91 *	2.88 *	2.86 *	2.85 *	2.84 *	2.79 *	2.72 *	3.26 *
-7	1.39 *	2.79 *	2.78 *	2.76 *	2.74 *	2.73 *	2.73 *	2.70 *	2.64 *	3.17 *
-9	1.34 *	2.69 *	2.68 *	2.67 *	2.65 *	2.63 *	2.63 *	2.59 *	2.53 *	3.05 *
-11	1.30 *	2.60 *	2.60 *	2.58 *	2.56 *	2.54 *	2.52 *	2.48 *	2.42 *	2.94 *
-13	1.25 *	2.50 *	2.49 *	2.47 *	2.46 *	2.44 *	2.41 *	2.37 *	2.32 *	2.81 *
-15	1.18 *	2.37 *	2.36 *	2.34 *	2.32 *	2.31 *	2.30 *	2.27 *	2.21 *	2.68 *
-17	1.39 *	2.79 *	2.78 *	2.76 *	2.74 *	2.74 *	2.72 *	2.66 *	2.59 *	3.16 *
-19.5	1.55 *	3.11 *	3.11 *	3.09 *	3.06 *	3.04 *	3.00 *	2.94 *	2.88 *	3.52 *
-22.5	1.39 *	2.80 *	2.81 *	2.80 *	2.76 *	2.72 *	2.69 *	2.66 *	2.62 *	3.20 *
-25.5	1.43 *	2.87 *	2.88 *	2.87 *	2.84 *	2.80 *	2.77 *	2.74 *	2.70 *	3.29 *
-29	1.36 *	2.74 *	2.75 *	2.75 *	2.73 *	2.69 *	2.64 *	2.60 *	2.56 *	3.14 *
-33	1.17 *	2.36 *	2.39 *	2.39 *	2.38 *	2.35 *	2.29 *	2.25 *	2.24 *	2.78 *
-37.5	0.93 *	1.89 *	1.91 *	1.92 *	1.91 *	1.89 *	1.86 *	1.82 *	1.80 *	2.26 *
-42.5	0.64 *	1.31 *	1.32 *	1.33 *	1.33 *	1.32 *	1.30 *	1.27 *	1.25 *	1.57 *
-47.5	0.60	1.22	1.24	1.25	1.25	1.24 *	1.23 *	1.21	1.19	1.47
-55	0.41	0.83	0.84	0.85	0.85	0.85	0.84	0.83	0.82	1.00
-65	0.19	0.38	0.38	0.38	0.38	0.38	0.37	0.37	0.36	0.43
-75	0.06	0.11	0.11	0.11	0.11	0.11	0.11	0.10	0.10	0.12
-85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-90										
Total	85.18	170.31	169.77	168.91	167.87	166.30	164.18	161.75	159.01	194.02

Vert. Angles	**Horizontal Angles**									
	19.5	**22.5**	**25.5**	**29**	**33**	**37.5**	**42.5**	**47.5**	**55**	**65**
90	0.81	0.74	0.73	0.67	0.56	0.42	0.27	0.26	0.20	0.09
85	9.26 *	8.57 *	8.81 *	8.50 *	7.62 *	6.15 *	4.16 *	3.85	2.41	0.72
75	18.56 *	17.47 *	18.67 *	18.92 *	18.05 *	15.86 *	11.69 *	11.10 *	6.71 *	1.96
65	22.00 *	20.88 *	22.70 *	23.65 *	23.58 *	22.12 *	17.48 *	17.53 *	10.95 *	3.34 *
55	16.61 *	15.83 *	17.24 *	18.02 *	18.15 *	17.43 *	14.21 *	15.03 *	10.08 *	3.27 *
47.5	10.89 *	10.32 *	11.26 *	11.85 *	11.98 *	11.44 *	9.38 *	10.19 *	7.22 *	2.49 *

LUMENS TABULATION - (Cont.)

42.5	10.57 *	10.05 *	11.03 *	11.58 *	11.65 *	11.13 *	9.18 *	10.08 *	7.41 *	2.68 *
37.5	9.37 *	8.91 *	9.82 *	10.32 *	10.24 *	9.72 *	8.02 *	8.89 *	6.77 *	2.54 *
33	8.21 *	7.83 *	8.59 *	9.04 *	9.00 *	8.48 *	6.92 *	7.76 *	6.10 *	2.33 *
29	7.03 *	6.70 *	7.44 *	7.83 *	7.77 *	7.31 *	5.92 *	6.68 *	5.35 *	2.07 *
25.5	6.06 *	5.68 *	6.25 *	6.66 *	6.62 *	6.16 *	5.01 *	5.69 *	4.56 *	1.79 *
22.5	5.98 *	5.75 *	6.21 *	6.57 *	6.60 *	6.12 *	4.99 *	5.66 *	4.52 *	1.79 *
19.5	4.86 *	4.77 *	5.21 *	5.42 *	5.48 *	5.12 *	4.16 *	4.69 *	3.73 *	1.48 *
17	3.88 *	3.78 *	4.18 *	4.32 *	4.37 *	4.12 *	3.33 *	3.72 *	2.95 *	1.18 *
15	3.90 *	3.76 *	4.17 *	4.33 *	4.38 *	4.14 *	3.32 *	3.69 *	2.92 *	1.17 *
13	3.91 *	3.76 *	4.18 *	4.36 *	4.40 *	4.15 *	3.32 *	3.66 *	2.88 *	1.16 *
11	3.93 *	3.76 *	4.19 *	4.40 *	4.42 *	4.15 *	3.31 *	3.62 *	2.84 *	1.14 *
9	3.97 *	3.77 *	4.20 *	4.43 *	4.43 *	4.15 *	3.30 *	3.58 *	2.79 *	1.13 *
7	4.00 *	3.79 *	4.21 *	4.45 *	4.44 *	4.15 *	3.28 *	3.53 *	2.74 *	1.11 *
5	4.01 *	3.81 *	4.22 *	4.46 *	4.45 *	4.13 *	3.26 *	3.48 *	2.69 *	1.09 *
3	4.01 *	3.82 *	4.22 *	4.46 *	4.45 *	4.12 *	3.23 *	3.43 *	2.64 *	1.07 *
1	2.00 *	1.91 *	2.11 *	2.23 *	2.22 *	2.05 *	1.60 *	1.69 *	1.29 *	0.52 *
0	1.99 *	1.91 *	2.10 *	2.21 *	2.21 *	2.03 *	1.59 *	1.67 *	1.28 *	0.52 *
-1	3.92 *	3.75 *	4.13 *	4.35 *	4.34 *	4.00 *	3.11 *	3.28 *	2.51 *	1.02 *
-3	3.83 *	3.66 *	4.03 *	4.24 *	4.24 *	3.90 *	3.03 *	3.19 *	2.45 *	1.00 *
-5	3.74 *	3.57 *	3.92 *	4.13 *	4.13 *	3.79 *	2.94 *	3.09 *	2.37 *	0.98 *
-7	3.63 *	3.47 *	3.81 *	4.01 *	4.01 *	3.67 *	2.85 *	2.99 *	2.30 *	0.95 *
-9	3.52 *	3.36 *	3.69 *	3.89 *	3.88 *	3.54 *	2.74 *	2.88 *	2.22 *	0.92 *
-11	3.39 *	3.24 *	3.56 *	3.76 *	3.74 *	3.41 *	2.63 *	2.77 *	2.14 *	0.89 *
-13	3.25 *	3.11 *	3.42 *	3.62 *	3.59 *	3.26 *	2.52 *	2.65 *	2.06 *	0.86 *
-15	3.11 *	2.97 *	3.27 *	3.46 *	3.43 *	3.11 *	2.39 *	2.52 *	1.98 *	0.83 *
-17	3.67 *	3.51 *	3.87 *	4.08 *	4.04 *	3.65 *	2.81 *	2.97 *	2.35 *	1.00 *
-19.5	4.08 *	3.89 *	4.29 *	4.52 *	4.45 *	4.02 *	3.09 *	3.30 *	2.64 *	1.13 *
-22.5	3.69 *	3.51 *	3.88 *	4.08 *	4.00 *	3.61 *	2.78 *	3.00 *	2.43 *	1.05 *

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IES FLOOD REPORT
PHOTOMETRIC FILENAME : LEDHWP-900.IES

LUMENS TABULATION - (Cont.)

-25.5	3.79 *	3.61 *	4.00 *	4.20 *	4.11 *	3.72 *	2.87 *	3.12 *	2.58 *	1.13 *
-29	3.66 *	3.51 *	3.87 *	4.05 *	3.97 *	3.62 *	2.83 *	3.11 *	2.61 *	1.17
-33	3.27 *	3.16 *	3.49 *	3.65 *	3.59 *	3.32 *	2.66 *	2.97 *	2.52 *	1.16
-37.5	2.70 *	2.63 *	2.92 *	3.06 *	3.03 *	2.87 *	2.38 *	2.72 *	2.32 *	1.10
-42.5	1.89 *	1.86 *	2.08 *	2.19 *	2.21 *	2.16 *	1.86 *	2.19 *	1.88	0.90
-47.5	1.77 *	1.76 *	2.00 *	2.16	2.23	2.24	1.99	2.42	2.10	1.03
-55	1.20	1.21	1.41	1.57	1.65	1.67	1.51	1.93	1.71	0.87
-65	0.51	0.51	0.60	0.67	0.71	0.71	0.65	0.87	0.83	0.45
-75	0.14	0.14	0.17	0.19	0.20	0.21	0.20	0.29	0.32	0.20
-85	0.00	0.00	0.01	0.01	0.01	0.02	0.02	0.04	0.05	0.04
-90										
Total	224.53	214.01	234.16	244.58	242.62	225.16	178.80	191.77	143.42	55.34

Vert. Angles	**Horizontal Angles**		
75	**85**	**90**	**Total**
90	0.03	0.00	10.18
85	0.13	0.01	125.75
75	0.30	0.01	272.54
65	0.54	0.01	342.09
55	0.55	0.01	264.67
47.5	0.42	0.01	175.37
42.5	0.45	0.01	172.83
37.5	0.43	0.01	153.66
33	0.40	0.01	135.06
29	0.36	0.01	116.00
25.5	0.31	0.01	98.31
22.5	0.32	0.01	96.87
19.5	0.27	0.01	79.70
17	0.21	0.00	63.73
15	0.21	0.00	63.72

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LUMENS TABULATION - (Cont.)

13			
	0.21	0.00	63.97
11			
	0.21	0.00	64.07
9			
	0.21	0.00	64.15
7			
	0.21	0.00	63.98
5			
	0.20	0.00	63.94
3			
	0.20	0.00	63.93
1			
	0.10	0.00	31.82
0			
	0.10	0.00	31.68
-1			
	0.19	0.00	62.75
-3			
	0.19	0.00	61.87
-5			
	0.19	0.00	60.35
-7			
	0.18	0.00	58.32
-9			
	0.18	0.00	56.29
-11			
	0.18	0.00	54.26
-13			
	0.17	0.00	52.03
-15			
	0.17	0.00	49.58
-17			
	0.20	0.00	58.49
-19.5			
	0.23	0.01	64.94
-22.5			
	0.22	0.01	58.74
-25.5			
	0.24	0.01	60.57
-29			
	0.25	0.01	58.59
-33			
	0.25	0.01	52.64
-37.5			
	0.24	0.01	44.16
-42.5			
	0.21	0.01	32.07
-47.5			
	0.26	0.01	31.88
-55			
	0.24	0.01	23.10
-65			
	0.14	0.01	10.28
-75			
	0.08	0.01	3.20

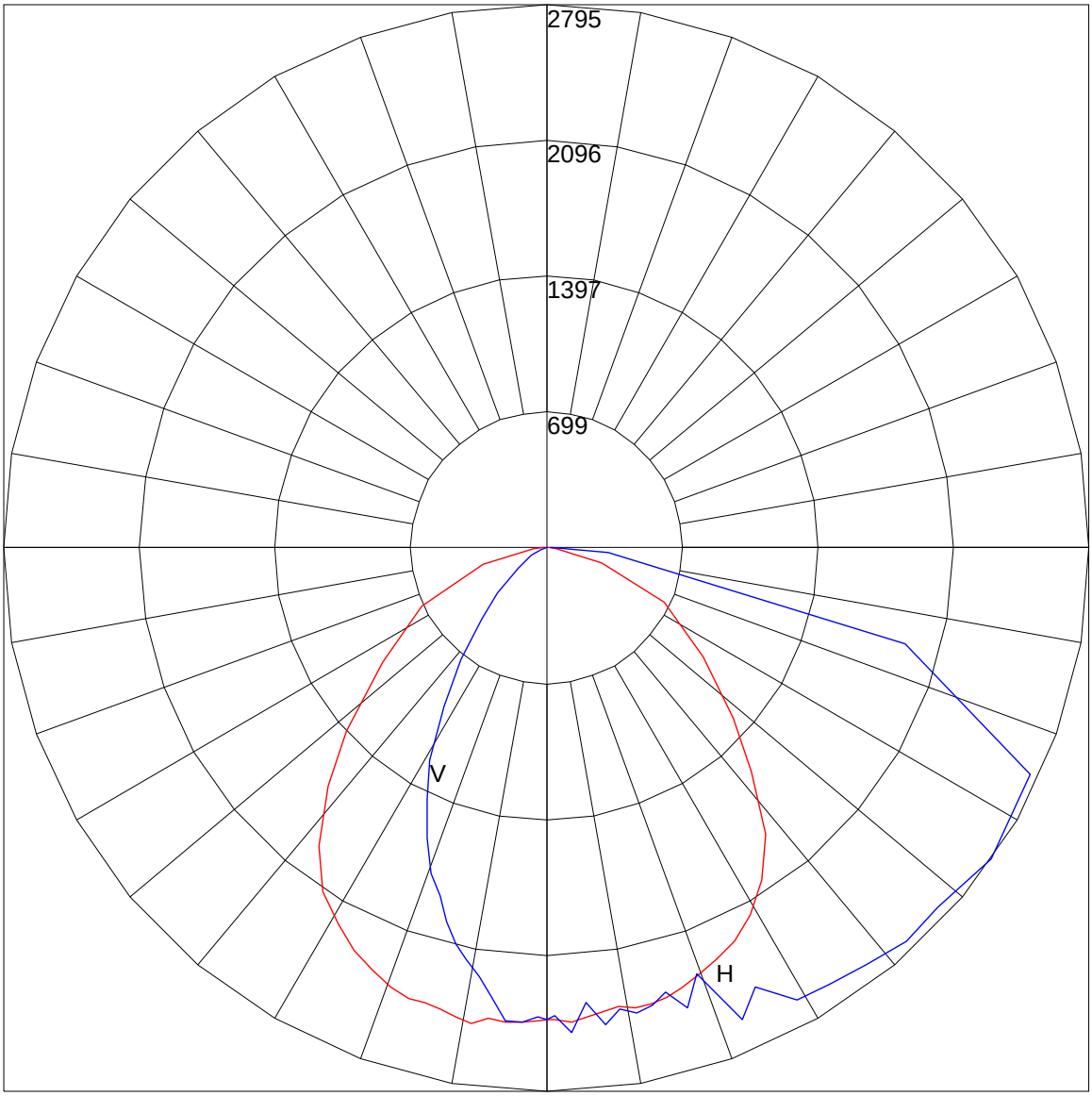
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LUMENS TABULATION - (Cont.)

-85			
	0.02	0.00	0.26
-90			
Total	10.40	0.25	3572.35

IES FLOOD REPORT
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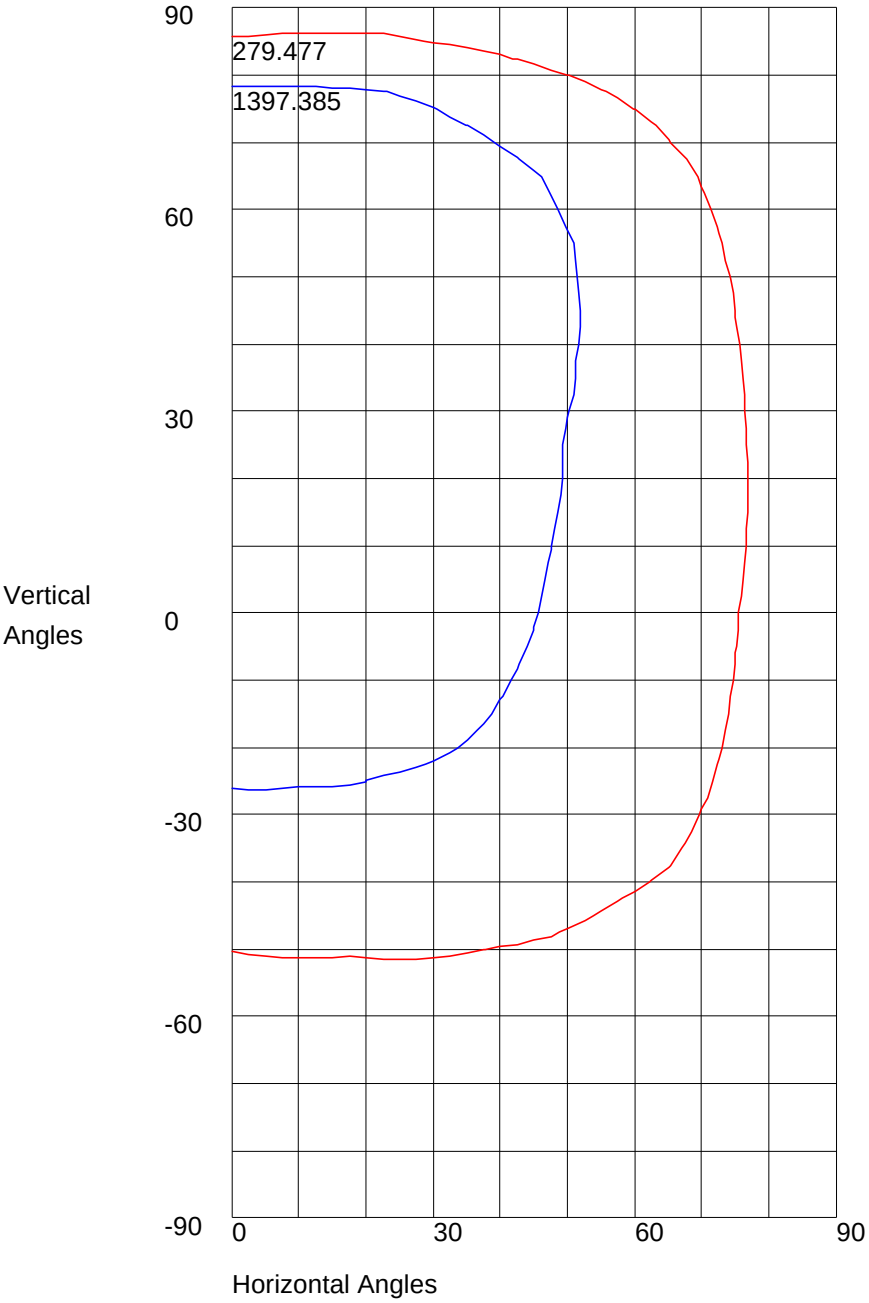
AXIAL CANDELA DISPLAY



Maximum Candela = 2794.77 Located At Horizontal Angle = 0, Vertical Angle = 55
H - Horizontal Axial Candela
V - Vertical Axial Candela

IES FLOOD REPORT
PHOTOMETRIC FILENAME : LEDHWP-900.IES

ISOCANDELA CURVES



Maximum Candela = 2794.77 Located At Horizontal Angle = 0, Vertical Angle = 55
50% Maximum Candela = 1397.385
10% Maximum Candela = 279.477