

Family Correlated Photometric Data

The following photometric information is developed using correlated data. Finelite considers a family to be a group of luminaires where critical performance metrics such as photometric performance, thermal performance, and electrical performance can be accurately projected via a combination of LM79 tests at the luminaire level and well-documented specifications at the component level.

For more information, please download [Finelite's Family Correlated White Paper](#)

Additional links:

- [Solid-State Lighting: Early Lessons Learned on the Way to Market](#)
(U.S. Department of Energy)
- [Lighting Facts®](#)
- [Design Lights Consortium®](#)

IES INDOOR REPORT
PHOTOMETRIC FILENAME : HP-WG-6W-2D-4FT-H-8-35-ITL88542.003.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]ITL88542.003 Family Correlation File
[TESTLAB]INDEPENDENT TESTING LABORATORIES, INC.
[TESTDATE]10/26/16
[ISSUE DATE]12/13/16
[MANUFAC]FINELITE, INC.
[LUMCAT] FINELITE HP-WG-6W-2D-4ft-H-8-35
[OTHER]INPUT ELECTRICAL: 120.0 VOLTS, 28.3 WATTS
[OTHER]INPUT ELECTRICAL: 277.0 VOLTS, 29.0 WATTS
[_ABSOLUTE LUMENS]2005
[OTHER]see www.finelite.com for source file ITL88542. For further details on Finelite family correlation files, go to
[more]http://www.finelite.com/download_files/series_downloads/photometry_pdf/FL_Family_Correlation_WhitePaper.pdf

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2005
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	71
Total Luminaire Watts	28.3
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.24
Spacing Criterion (90-270)	1.12
Spacing Criterion (Diagonal)	0.56
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	0.49 ft
Luminous Width (90-270)	4.01 ft
Luminous Height	0.33 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	1054	1220	8576
55	998	1061	6532
65	1397	1125	4568
75	1106	1490	2726
85	184	204	877

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CANDELA TABULATION

	0	5	15	25	35	45	55	65	75	85
0.0	2546.303	2546.303	2546.303	2546.303	2546.303	2546.303	2546.303	2546.303	2546.303	2546.303
0.5	2480.974	2489.529	2473.974	2478.640	2484.085	2493.417	2503.528	2515.194	2526.860	2539.304
1.0	2386.868	2410.978	2396.978	2407.089	2419.533	2438.198	2458.419	2481.751	2506.639	2533.082
1.5	2311.428	2324.649	2314.538	2330.093	2351.092	2379.868	2423.421	2448.309	2486.418	2525.305
2.0	2204.878	2232.876	2227.432	2248.431	2279.540	2319.983	2375.202	2414.088	2465.419	2517.527
2.5	2118.549	2134.882	2133.326	2162.880	2200.989	2254.653	2326.204	2377.535	2442.087	2508.972
3.0	2027.554	2032.221	2036.887	2073.441	2120.883	2187.768	2273.319	2341.759	2420.310	2501.195
3.5	1930.338	1926.449	1935.782	1979.335	2036.887	2117.772	2218.877	2302.095	2397.756	2491.084
4.0	1787.234	1819.899	1834.676	1884.451	1952.114	2046.220	2163.658	2263.986	2374.424	2483.307
4.5	1716.460	1712.572	1733.571	1790.345	1864.230	1972.335	2106.106	2223.543	2349.537	2473.196
5.0	1609.911	1610.689	1636.354	1696.239	1777.902	1898.450	2045.442	2182.324	2326.204	2463.864
5.5	1505.694	1514.249	1543.026	1606.022	1691.573	1823.788	1984.779	2139.548	2300.539	2456.086
6.0	1410.033	1424.032	1454.364	1519.694	1609.133	1750.681	1924.893	2097.550	2274.874	2445.198
6.5	1347.814	1338.481	1370.369	1437.254	1530.582	1677.574	1864.230	2053.997	2249.209	2433.532
7.0	1263.041	1260.708	1294.928	1361.813	1455.142	1607.578	1804.344	2010.444	2221.988	2422.644
7.5	1182.157	1189.156	1224.154	1290.262	1399.922	1539.137	1743.681	1966.113	2194.767	2410.200
8.0	1133.159	1123.049	1158.047	1223.377	1332.260	1473.807	1684.573	1920.227	2166.769	2397.756
8.5	1067.052	1062.386	1097.384	1161.158	1269.263	1411.588	1626.243	1876.674	2139.548	2384.535
9.0	1005.611	1007.166	1042.164	1104.383	1209.377	1352.481	1570.246	1831.565	2110.772	2371.313
9.5	968.280	955.836	990.056	1052.275	1152.603	1295.706	1515.805	1787.234	2081.996	2358.092
10.0	915.394	908.394	944.170	1003.278	1102.050	1242.042	1462.141	1743.681	2052.442	2344.092
11.0	825.177	836.065	859.397	916.171	1008.722	1144.048	1363.369	1658.130	1994.112	2316.094
11.5	797.956	798.734	822.066	877.285	966.724	1098.939	1315.927	1615.355	1963.780	2300.539
12.0	760.625	765.291	788.623	841.509	927.837	1056.941	1272.374	1574.913	1935.782	2285.762
12.5	725.626	733.404	756.736	808.066	891.284	1017.277	1229.599	1534.471	1905.450	2270.208
13.0	694.517	705.405	727.960	776.179	856.286	979.946	1188.379	1495.584	1875.896	2255.431
13.5	676.629	678.962	700.739	748.181	824.399	944.170	1149.492	1456.697	1846.342	2239.876
14.0	650.964	655.630	676.629	722.516	794.845	912.283	1112.161	1419.366	1817.566	2225.099
14.5	626.854	633.076	652.519	696.850	766.069	879.618	1076.385	1381.257	1788.012	2208.767
15.0	612.077	613.633	631.521	673.518	739.626	850.064	1042.164	1344.703	1758.458	2191.656
16.0	577.857	577.079	593.412	632.298	692.184	794.845	977.613	1274.707	1700.906	2158.214
17.0	545.970	546.747	560.747	595.745	650.186	745.848	919.282	1201.600	1643.353	2127.882
18.0	513.305	519.527	530.415	563.858	612.077	700.739	864.841	1139.381	1588.134	2094.440
19.0	479.862	488.417	504.750	534.304	579.412	661.074	822.066	1081.829	1536.026	2061.775
20.0	450.308	455.753	473.640	503.194	549.858	625.299	776.179	1027.388	1484.696	2025.221
22.5	388.867	391.978	402.867	434.754	483.751	550.636	678.185	914.616	1360.258	1931.893
25.0	354.647	356.202	363.980	382.645	423.865	488.417	598.078	809.622	1249.820	1835.454
27.5	333.648	335.204	337.537	349.981	378.757	434.754	533.526	723.293	1142.492	1737.459
30.0	311.872	314.983	318.871	327.426	346.092	389.645	475.974	647.075	1042.942	1634.798
32.5	282.318	285.429	293.984	305.650	321.982	356.202	427.754	581.746	951.170	1532.915
35.0	260.541	261.319	267.541	280.762	300.206	326.649	387.312	525.749	866.396	1428.699
37.5	250.431	251.986	253.542	261.319	277.651	304.094	353.092	480.640	787.845	1326.038
40.0	244.209	244.986	244.986	248.097	257.430	281.540	323.538	434.754	714.738	1222.599
42.5	238.765	238.765	237.987	237.987	243.431	259.763	298.650	395.089	647.075	1123.049
45.0	228.654	228.654	230.209	230.987	231.765	242.653	276.096	359.313	587.967	1024.277
47.5	220.877	220.877	220.099	221.654	223.210	228.654	254.319	327.426	529.637	927.837
50.0	223.988	224.765	221.654	213.099	214.655	216.988	234.098	298.650	476.751	829.843
52.5	210.766	210.766	212.322	216.988	205.322	207.655	217.766	272.207	426.976	745.070
55.0	206.100	205.322	203.766	204.544	207.655	196.767	202.989	247.320	381.090	657.964
57.5	213.877	213.099	208.433	200.656	197.545	192.100	190.545	222.432	336.759	576.301
60.0	221.654	220.877	216.210	207.655	194.434	190.545	179.657	200.656	296.317	500.083
62.5	236.431	234.876	225.543	214.655	201.433	183.545	172.657	181.212	258.208	428.532
65.0	265.208	262.874	248.097	227.876	207.655	187.434	171.102	164.102	223.210	362.424
67.5	300.983	298.650	279.984	252.764	220.099	192.100	164.880	149.325	188.990	301.761

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CANDELA TABULATION - (Cont.)

70.0	323.538	322.760	306.427	279.984	241.098	199.878	167.213	140.770	158.658	247.320
72.5	278.429	279.207	280.762	276.874	255.097	213.099	167.991	134.548	132.215	197.545
75.0	185.101	185.879	193.656	207.655	222.432	212.322	171.102	130.659	109.661	153.214
77.5	37.331	39.664	62.997	104.994	140.770	164.102	164.102	125.215	92.550	113.549
80.0	27.221	27.221	27.221	27.221	31.109	83.218	116.660	115.882	80.884	80.107
82.5	26.443	26.443	26.443	26.443	25.665	24.110	39.664	78.551	68.441	52.886
85.0	25.665	25.665	26.443	25.665	24.888	23.332	21.777	25.665	46.664	31.887
87.5	24.888	24.888	25.665	24.888	24.110	22.554	20.221	17.888	16.332	14.777
90.0	24.110	24.110	24.110	24.110	23.332	20.999	18.666	16.332	13.221	7.000
92.5	23.332	23.332	23.332	23.332	21.777	20.221	17.110	13.999	10.111	3.111
95.0	22.554	22.554	22.554	21.777	20.999	18.666	15.555	11.666	6.222	0.778
97.5	20.999	21.777	21.777	20.999	19.443	17.110	13.999	9.333	3.889	0.000
100.0	20.221	20.221	20.221	19.443	17.888	15.555	11.666	7.000	1.555	0.000
102.5	18.666	18.666	18.666	17.888	16.332	13.221	10.111	4.666	0.778	0.000
105.0	17.888	17.888	17.110	16.332	14.777	11.666	7.777	2.333	0.778	0.000
107.5	16.332	16.332	15.555	14.777	12.444	9.333	5.444	0.778	0.778	0.000
110.0	14.777	14.777	13.999	13.221	10.111	7.000	3.111	0.778	0.000	0.000
112.5	12.444	12.444	12.444	10.888	7.777	4.666	0.778	0.778	0.000	0.000
115.0	10.111	10.111	9.333	7.777	5.444	2.333	0.778	0.000	0.000	0.000
117.5	7.777	7.777	7.000	5.444	3.111	0.778	0.778	0.000	0.000	0.000
120.0	5.444	5.444	4.666	3.111	0.778	0.000	0.000	0.000	0.000	0.000
122.5	3.111	3.111	2.333	0.778	0.000	0.000	0.000	0.000	0.000	0.000
125.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
127.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
130.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
132.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
135.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
137.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
140.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
142.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
145.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
147.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
150.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
152.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
155.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
157.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
160.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
162.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
165.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
167.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
170.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
172.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
175.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
177.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
180.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Vert. Angles **Horizontal Angles**

	<u>90</u>	<u>95</u>	<u>105</u>	<u>115</u>	<u>125</u>	<u>135</u>	<u>145</u>	<u>155</u>	<u>165</u>	<u>175</u>
0.0	2546.303	2546.303	2546.303	2546.303	2546.303	2546.303	2546.303	2546.303	2546.303	2546.303
0.5	2545.526	2553.303	2565.747	2577.413	2589.079	2598.412	2606.967	2611.633	2616.300	2620.966
1.0	2546.303	2558.747	2584.412	2606.967	2630.299	2647.409	2664.519	2673.074	2681.629	2690.184
1.5	2545.526	2564.191	2602.300	2635.743	2669.185	2694.073	2718.183	2730.627	2741.515	2752.403
2.0	2543.970	2569.635	2619.410	2662.964	2705.739	2736.848	2766.402	2780.402	2792.845	2806.845
2.5	2542.415	2574.302	2635.743	2688.629	2739.959	2765.625	2806.845	2820.844	2832.510	2848.064
3.0	2540.859	2578.968	2651.298	2713.516	2771.069	2799.845	2840.287	2850.398	2860.508	2876.063

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CANDELA TABULATION - (Cont.)

3.5	2537.748	2582.079	2665.297	2736.071	2797.512	2825.510	2861.286	2866.730	2873.730	2887.729
4.0	2535.415	2586.746	2680.074	2756.292	2819.288	2844.954	2874.507	2872.952	2874.507	2886.951
4.5	2533.082	2589.857	2692.518	2774.180	2835.621	2855.064	2876.063	2865.952	2861.286	2869.841
5.0	2529.971	2592.967	2704.961	2790.512	2847.287	2857.397	2871.397	2849.620	2838.732	2841.843
5.5	2526.860	2595.301	2715.850	2802.178	2851.175	2852.731	2856.620	2822.399	2802.956	2812.289
6.0	2522.971	2596.856	2725.960	2812.289	2852.731	2841.843	2833.288	2785.846	2758.625	2764.847
6.5	2517.527	2598.412	2733.737	2816.177	2848.064	2823.177	2800.623	2739.959	2702.628	2706.517
7.0	2512.861	2599.189	2741.515	2819.288	2840.287	2798.289	2760.180	2687.073	2641.965	2641.965
7.5	2506.639	2599.189	2746.181	2817.733	2824.732	2767.180	2713.516	2627.188	2575.080	2568.858
8.0	2500.417	2598.412	2749.292	2813.844	2806.845	2729.849	2661.408	2563.414	2501.195	2491.084
8.5	2493.417	2596.856	2750.848	2804.511	2782.735	2688.629	2604.633	2493.417	2421.866	2406.311
9.0	2487.196	2594.523	2750.848	2794.401	2754.736	2641.965	2543.192	2418.755	2336.315	2315.316
9.5	2479.418	2592.190	2748.514	2780.402	2722.071	2592.967	2476.307	2338.648	2247.653	2218.099
10.0	2472.419	2589.079	2743.848	2762.514	2687.073	2539.304	2404.756	2255.431	2153.547	2115.438
11.0	2456.864	2580.524	2731.404	2720.516	2605.411	2422.644	2250.764	2077.329	1956.003	1906.228
11.5	2447.531	2575.857	2721.294	2693.295	2561.080	2375.202	2168.324	1984.001	1853.342	1797.345
12.0	2439.754	2570.413	2710.405	2665.297	2515.194	2293.540	2084.329	1889.895	1750.681	1689.240
12.5	2431.976	2564.969	2697.184	2634.187	2466.974	2241.431	1998.000	1794.234	1645.687	1579.579
13.0	2421.088	2557.969	2681.629	2601.523	2415.644	2151.992	1908.561	1696.239	1541.470	1471.474
13.5	2413.311	2550.192	2664.519	2568.080	2362.758	2099.106	1819.899	1599.800	1438.809	1364.924
14.0	2400.867	2542.415	2646.631	2533.082	2305.983	2025.221	1730.460	1502.583	1337.704	1261.486
14.5	2393.090	2533.082	2626.410	2494.973	2248.431	1949.781	1640.242	1406.144	1239.709	1161.158
15.0	2379.868	2522.971	2605.411	2456.086	2188.545	1872.785	1548.470	1310.483	1144.048	1066.274
16.0	2355.758	2502.750	2561.858	2376.757	2066.441	1718.016	1370.369	1129.271	968.280	894.395
17.0	2330.871	2479.418	2513.639	2291.206	1941.226	1561.691	1200.822	964.391	814.288	748.181
18.0	2303.650	2452.975	2461.530	2201.767	1810.566	1405.367	1043.720	818.955	685.184	628.410
19.0	2274.874	2425.755	2406.311	2109.216	1679.907	1256.819	902.172	696.073	580.968	532.748
20.0	2244.542	2396.201	2350.314	2013.555	1548.470	1113.716	777.735	594.967	497.750	454.197
22.5	2166.769	2307.539	2204.100	1764.680	1232.709	810.400	545.192	412.977	323.538	278.429
25.0	2076.552	2207.989	2036.887	1525.138	951.947	590.301	377.979	257.430	188.990	153.991
27.5	1979.335	2099.106	1859.564	1275.485	727.960	434.754	242.653	143.103	85.551	59.886
30.0	1876.674	1981.668	1663.575	1044.498	558.414	296.317	138.437	56.775	36.554	31.887
32.5	1770.124	1851.786	1483.140	843.064	429.310	188.990	58.330	32.665	26.443	23.332
35.0	1659.686	1721.905	1294.928	674.296	306.427	100.328	34.220	24.888	20.999	19.443
37.5	1547.692	1589.690	1123.049	538.970	206.100	45.886	25.665	20.221	17.888	17.110
40.0	1433.365	1453.586	954.280	428.532	118.216	31.887	20.999	17.110	15.555	12.444
42.5	1319.038	1317.483	801.844	323.538	56.775	24.888	17.888	13.999	2.333	2.333
45.0	1199.267	1182.157	666.519	227.876	35.776	20.221	14.777	3.111	2.333	1.555
47.5	1087.273	1056.941	548.303	151.658	26.443	16.332	3.111	2.333	1.555	0.778
50.0	972.946	930.171	447.975	83.995	20.999	10.888	2.333	1.555	0.778	0.778
52.5	866.396	809.622	362.424	44.331	17.110	3.889	2.333	1.555	0.778	0.778
55.0	765.291	696.850	276.874	29.554	13.221	3.111	1.555	0.778	0.778	0.000
57.5	669.630	592.634	202.989	21.777	4.666	2.333	0.778	0.778	0.000	0.000
60.0	577.857	497.750	132.215	16.332	3.111	1.555	0.778	0.000	0.000	0.000
62.5	493.084	411.422	74.663	12.444	2.333	0.778	0.778	0.000	0.000	0.000
65.0	415.310	333.648	38.887	4.666	1.555	0.778	0.000	0.000	0.000	0.000
67.5	342.981	265.208	23.332	3.111	1.555	0.778	0.000	0.000	0.000	0.000
70.0	278.429	204.544	15.555	2.333	0.778	0.000	0.000	0.000	0.000	0.000
72.5	220.877	153.214	9.333	1.555	0.000	0.000	0.000	0.000	0.000	0.000
75.0	168.768	107.327	3.889	0.778	0.000	0.000	0.000	0.000	0.000	0.000
77.5	123.660	65.330	2.333	0.000	0.000	0.000	0.000	0.000	0.000	0.000
80.0	87.106	35.776	0.778	0.000	0.000	0.000	0.000	0.000	0.000	0.000
82.5	54.441	15.555	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
85.0	27.221	5.444	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
87.5	10.888	1.555	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
90.0	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.)

92.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
95.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
97.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
100.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
102.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
105.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
107.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
110.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
112.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
115.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
117.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
120.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
122.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
125.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
127.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
130.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
132.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
135.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
137.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
140.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
142.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
145.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
147.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
150.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
152.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
155.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
157.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
160.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
162.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
165.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
167.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
170.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
172.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
175.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
177.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
180.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Vert. Horizontal Angles
Angles

	180
0.0	2546.303
0.5	2617.855
1.0	2685.518
1.5	2746.181
2.0	2796.734
2.5	2816.955
3.0	2847.287
3.5	2862.064
4.0	2862.841
4.5	2849.620
5.0	2824.732
5.5	2787.401
6.0	2738.404
6.5	2680.074
7.0	2614.744
7.5	2543.192

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CANDELA TABULATION - (Cont.)

8.0	2464.641
8.5	2380.646
9.0	2289.651
9.5	2194.767
10.0	2094.440
11.0	1886.784
11.5	1778.679
12.0	1674.463
12.5	1567.913
13.0	1460.586
13.5	1356.369
14.0	1255.264
14.5	1157.269
15.0	1063.163
16.0	892.839
17.0	746.625
18.0	626.854
19.0	531.971
20.0	453.419
22.5	278.429
25.0	153.214
27.5	58.330
30.0	31.109
32.5	23.332
35.0	19.443
37.5	16.332
40.0	11.666
42.5	1.555
45.0	1.555
47.5	0.778
50.0	0.778
52.5	0.000
55.0	0.000
57.5	0.000
60.0	0.000
62.5	0.000
65.0	0.000
67.5	0.000
70.0	0.000
72.5	0.000
75.0	0.000
77.5	0.000
80.0	0.000
82.5	0.000
85.0	0.000
87.5	0.000
90.0	0.000
92.5	0.000
95.0	0.000
97.5	0.000
100.0	0.000
102.5	0.000
105.0	0.000
107.5	0.000
110.0	0.000
112.5	0.000

CANDELA TABULATION - (Cont.)

115.0	0.000
117.5	0.000
120.0	0.000
122.5	0.000
125.0	0.000
127.5	0.000
130.0	0.000
132.5	0.000
135.0	0.000
137.5	0.000
140.0	0.000
142.5	0.000
145.0	0.000
147.5	0.000
150.0	0.000
152.5	0.000
155.0	0.000
157.5	0.000
160.0	0.000
162.5	0.000
165.0	0.000
167.5	0.000
170.0	0.000
172.5	0.000
175.0	0.000
177.5	0.000
180.0	0.000

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	622.41	N.A.	31.00
0-30	1003.93	N.A.	50.10
0-40	1315.55	N.A.	65.60
0-60	1737.63	N.A.	86.70
0-80	1970.31	N.A.	98.30
0-90	1989.3	N.A.	99.20
10-90	1776.54	N.A.	88.60
20-40	693.14	N.A.	34.60
20-50	935.67	N.A.	46.70
40-70	560.95	N.A.	28.00
60-80	232.67	N.A.	11.60
70-80	93.81	N.A.	4.70
80-90	18.99	N.A.	0.90
90-110	13.78	N.A.	0.70
90-120	15.85	N.A.	0.80
90-130	16.02	N.A.	0.80
90-150	16.02	N.A.	0.80
90-180	16.02	N.A.	0.80
110-180	2.24	N.A.	0.10
0-180	2005.32	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

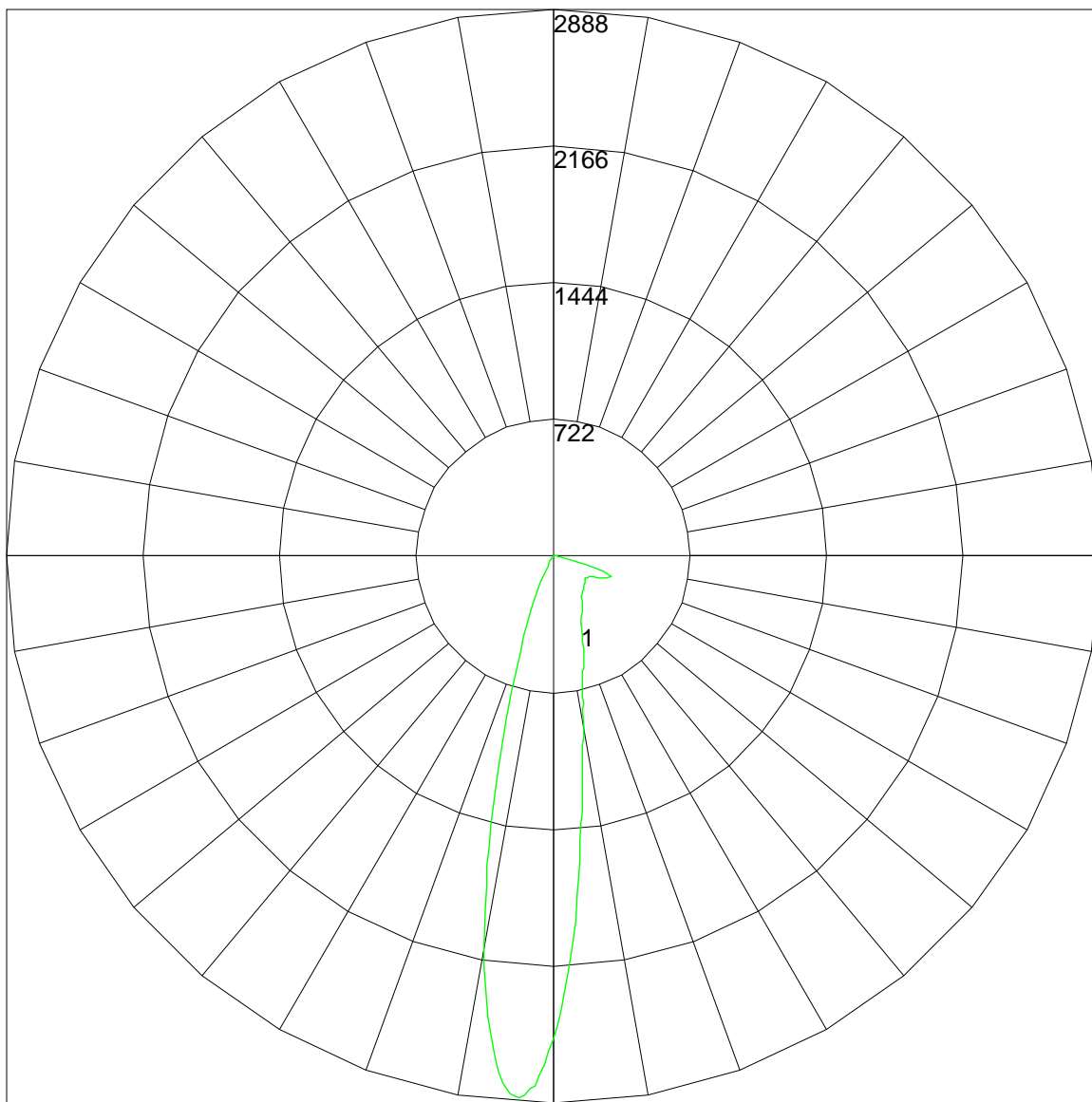
Zone	Lumens
0-10	212.76
10-20	409.65
20-30	381.52
30-40	311.62
40-50	242.53
50-60	179.55
60-70	138.87
70-80	93.81
80-90	18.99
90-100	8.58
100-110	5.19
110-120	2.07
120-130	0.17
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	101	101	101	99
1	111	107	104	100	108	105	102	99	100	98	96	96	94	92	93	91	90	88
2	103	96	91	86	101	94	89	85	91	87	83	88	84	81	85	82	79	77
3	96	87	81	76	94	86	80	75	83	78	74	80	76	72	78	74	71	69
4	90	80	73	67	88	79	72	67	76	71	66	74	69	65	72	68	64	62
5	84	74	66	61	82	73	66	61	71	64	60	69	63	59	67	62	59	57
6	79	68	61	56	77	67	60	55	66	59	55	64	58	54	62	58	54	52
7	75	63	56	51	73	63	56	51	61	55	51	60	54	50	59	54	50	48
8	71	59	52	47	69	59	52	47	57	51	47	56	51	47	55	50	46	45
9	67	56	49	44	66	55	49	44	54	48	44	53	48	44	52	47	43	42
10	64	53	46	41	63	52	46	41	51	45	41	50	45	41	49	44	41	39

POLAR GRAPH



Maximum Candela = 2887.729 Located At Horizontal Angle = 175, Vertical Angle = 3.5
1 - Vertical Plane Through Horizontal Angles (0 - 180)