



IES INDOOR REPORT

PHOTOMETRIC FILENAME : SDI5-4-L27-835-DMA-FA-90U-10D-DIM-UNV_.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] GEN FROM 12731921.09
[TESTLAB] UL Verification Services Inc.
[ISSUEDATE] 04-21-2023
[MANUFAC] WILLIAMS INDOOR
[OTHER] H.E. WILLIAMS, INC. - CARTHAGE, MO 64836
[LUMINAIRE] 4' SUSPENDED LED LUMINAIRE
[MORE] WITH FROSTED ACRYLIC LENS
[LUMCAT] SDI5-4-L27-835-DMA-FA-90U-10D-DIM-UNV
[LAMPCAT] HLM 80 CRI, 3500K CCT
[SEARCH_SOURCETYPE] LED
[SEARCH_APPLICATION] Indoor, Architectural, Classroom, Direct-Indirect
[SEARCH_MOUNTING] Suspended

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	10785
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	138
Total Luminaire Watts	78
Ballast Factor	1.00
CIE Type	Semi-Indirect
Spacing Criterion (0-180)	N.A.
Spacing Criterion (90-270)	N.A.
Spacing Criterion (Diagonal)	N.A.
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	3.77 ft
Luminous Width (90-270)	0.40 ft
Luminous Height	0.15 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	4021	3205	3002
55	3806	2824	2588
65	3511	2312	2071
75	2852	1557	1341
85	1446	531	435

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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>
0.0	606.219	606.219	606.219	606.219	606.219
0.5	613.114	606.422	603.989	606.523	602.873
1.0	613.012	606.321	603.989	606.625	602.772
1.5	612.810	606.219	603.887	606.625	602.873
2.0	612.607	606.016	603.786	606.726	603.076
2.5	612.404	605.814	603.684	606.828	603.380
3.0	611.998	605.509	603.583	607.030	603.684
3.5	611.694	605.205	603.380	607.132	604.191
4.0	611.289	604.800	603.177	607.132	604.698
4.5	610.680	604.394	602.873	607.233	605.205
5.0	610.173	603.989	602.670	607.233	605.712
5.5	609.565	603.482	602.366	607.233	606.118
6.0	608.855	602.975	601.961	607.233	606.523
6.5	608.247	602.366	601.555	607.132	606.929
7.0	607.537	601.758	601.048	606.929	607.132
7.5	606.828	601.048	600.643	606.726	607.132
8.0	606.118	600.440	600.034	606.321	607.030
8.5	605.307	599.629	599.426	605.712	606.726
9.0	604.394	598.818	598.716	605.104	606.118
9.5	603.380	597.905	598.006	604.293	605.408
10.0	602.366	596.891	597.094	603.380	604.394
10.5	601.454	595.979	596.080	602.468	603.482
11.0	600.440	594.965	595.168	601.454	602.265
11.5	599.325	593.951	594.052	600.440	600.947
12.0	598.209	592.836	592.937	599.325	599.629
12.5	597.094	591.720	591.822	598.006	598.108
13.0	595.877	590.504	590.605	596.688	596.688
13.5	594.559	589.185	589.287	595.168	595.168
14.0	593.140	587.867	587.969	593.748	593.545
14.5	591.720	586.448	586.651	592.126	591.822
15.0	590.199	585.028	585.231	590.504	590.098
15.5	588.678	583.508	583.812	588.881	588.273
16.0	587.158	581.987	582.392	587.360	586.549
16.5	585.535	580.466	580.973	585.738	584.724
17.0	583.710	578.843	579.452	584.014	582.899
17.5	581.885	577.221	577.931	582.392	580.973
18.0	580.060	575.498	576.309	580.770	578.945
18.5	578.235	573.673	574.686	579.046	576.917
19.0	576.309	571.949	572.963	577.323	574.788
19.5	574.382	570.022	571.138	575.396	572.456
20.0	572.354	568.096	569.313	573.368	570.225
20.5	570.124	566.170	567.285	571.138	568.096
21.0	568.096	564.142	565.257	568.806	565.865
21.5	565.865	562.215	563.128	566.474	563.635
22.0	563.736	560.086	560.897	564.040	561.404
22.5	561.506	558.058	558.667	561.607	559.072
23.0	559.174	555.828	556.335	559.072	556.740
23.5	556.842	553.597	553.901	556.537	554.104
24.0	554.408	551.265	551.468	554.104	551.468
24.5	551.975	548.832	549.034	551.468	548.730
25.0	549.541	546.500	546.500	548.933	545.993
25.5	547.007	544.066	543.863	546.297	543.255
26.0	544.472	541.531	541.227	543.458	540.416
26.5	541.836	538.895	538.490	540.619	537.476

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CANDELA TABULATION - (Cont.)

27.0	538.997	536.158	535.549	537.780	534.637
27.5	536.259	533.420	532.710	534.840	531.595
28.0	533.420	530.683	529.770	531.798	528.655
28.5	530.480	527.844	526.728	528.858	525.613
29.0	527.539	524.903	523.788	525.816	522.571
29.5	524.498	521.963	520.645	522.774	519.428
30.0	521.355	518.921	517.502	519.834	516.386
30.5	518.211	515.778	514.359	516.792	513.142
31.0	515.068	512.635	511.215	513.649	509.999
31.5	511.824	509.492	508.072	510.404	506.754
32.0	508.579	506.349	504.726	507.160	503.408
32.5	505.335	503.003	501.482	503.814	500.062
33.0	501.989	499.758	498.136	500.468	496.716
33.5	498.643	496.311	494.689	497.021	493.269
34.0	495.196	492.965	491.241	493.472	489.619
34.5	491.748	489.518	487.693	489.822	485.868
35.0	488.200	486.070	484.144	486.172	482.217
35.5	484.752	482.522	480.595	482.217	478.567
36.0	481.204	478.872	476.945	478.365	474.917
36.5	477.351	475.221	473.295	474.410	471.064
37.0	473.599	471.470	469.544	470.557	467.313
37.5	469.848	467.719	465.893	466.603	463.561
38.0	466.096	463.967	462.142	462.649	459.709
38.5	462.345	460.114	458.391	458.796	455.856
39.0	458.492	456.160	454.538	454.943	452.104
39.5	454.639	452.206	450.583	451.090	448.150
40.0	450.685	448.251	446.629	447.136	444.196
40.5	446.731	444.297	442.573	443.182	440.241
41.0	442.776	440.241	438.518	439.228	436.186
41.5	438.822	436.186	434.462	435.273	432.130
42.0	434.766	432.130	430.406	431.218	428.176
42.5	430.609	428.074	426.249	427.162	424.120
43.0	426.554	423.917	422.092	423.106	419.963
43.5	422.498	419.760	417.935	418.949	415.908
44.0	418.341	415.603	413.778	414.792	411.750
44.5	414.184	411.446	409.520	410.635	407.593
45.0	410.128	407.289	405.363	406.377	403.436
45.5	405.971	403.031	401.307	402.118	399.279
46.0	401.713	398.772	397.150	397.758	395.021
46.5	397.353	394.413	392.993	393.500	390.864
47.0	393.094	390.053	388.735	389.140	386.504
47.5	388.836	385.693	384.578	384.780	382.246
48.0	384.476	381.333	380.319	380.421	377.886
48.5	380.015	376.872	376.061	376.061	373.627
49.0	375.554	372.411	371.701	371.599	369.166
49.5	370.991	367.949	367.341	367.138	364.806
50.0	366.429	363.488	362.981	362.677	360.345
50.5	361.765	359.027	358.621	358.216	355.884
51.0	357.303	354.566	354.160	353.653	351.524
51.5	352.741	350.003	349.598	349.091	346.961
52.0	348.077	345.339	345.136	344.629	342.399
52.5	343.413	340.878	340.574	340.067	337.735
53.0	338.647	336.214	336.011	335.403	333.071
53.5	333.983	331.651	331.347	330.840	328.508
54.0	329.319	326.987	326.784	326.176	323.946
54.5	324.554	322.425	322.120	321.512	319.282

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CANDELA TABULATION - (Cont.)

55.0	319.890	317.761	317.456	316.747	314.618
55.5	315.023	312.995	312.792	312.083	309.954
56.0	310.055	308.331	308.027	307.317	305.290
56.5	305.290	303.566	303.262	302.552	300.524
57.0	300.423	298.800	298.395	297.685	295.759
57.5	295.657	293.934	293.629	292.920	291.095
58.0	291.095	288.965	288.763	288.154	286.329
58.5	286.329	284.099	283.896	283.288	281.564
59.0	281.665	279.131	279.029	278.421	276.900
59.5	276.900	274.162	274.061	273.554	272.135
60.0	272.135	269.093	269.093	268.586	267.268
60.5	267.369	264.226	264.125	263.618	262.401
61.0	262.807	259.359	259.258	258.649	257.433
61.5	258.041	254.594	254.290	253.681	252.465
62.0	253.174	249.727	249.423	248.814	247.496
62.5	248.409	244.962	244.353	243.846	242.528
63.0	243.441	240.196	239.385	238.777	237.560
63.5	238.371	235.228	234.417	233.809	232.592
64.0	233.403	230.361	229.449	228.840	227.624
64.5	228.333	225.292	224.481	223.872	222.656
65.0	223.162	220.324	219.512	218.904	217.687
65.5	217.992	215.254	214.544	213.936	212.719
66.0	212.821	210.184	209.475	208.968	207.650
66.5	207.548	205.115	204.506	203.999	202.681
67.0	202.377	200.045	199.437	199.031	197.612
67.5	197.105	194.874	194.367	193.962	192.644
68.0	191.833	189.703	189.298	188.791	187.574
68.5	186.459	184.532	184.228	183.518	182.403
69.0	181.186	179.361	179.057	178.246	177.131
69.5	175.914	173.988	173.785	172.974	171.858
70.0	170.642	168.715	168.513	167.600	166.485
70.5	165.369	163.443	163.240	162.328	161.212
71.0	159.894	158.171	157.968	157.055	155.940
71.5	154.520	152.898	152.695	151.783	150.769
72.0	149.045	147.626	147.423	146.409	145.497
72.5	143.672	142.151	142.049	141.238	140.224
73.0	138.298	136.878	136.777	135.966	135.053
73.5	133.026	131.606	131.606	130.896	129.781
74.0	127.855	126.435	126.435	125.725	124.610
74.5	122.582	121.264	121.264	120.656	119.540
75.0	117.310	116.195	116.093	115.485	114.471
75.5	112.139	111.024	110.922	110.415	109.300
76.0	106.765	105.853	105.751	105.346	104.332
76.5	101.594	100.884	100.682	100.479	99.262
77.0	96.322	95.916	95.815	95.511	94.395
77.5	91.252	91.049	90.847	90.543	89.630
78.0	86.284	86.183	85.879	85.676	84.966
78.5	81.215	81.316	80.910	80.910	80.302
79.0	76.246	76.551	76.145	76.145	75.638
79.5	71.380	71.785	71.380	71.481	70.873
80.0	66.513	67.222	66.716	67.020	66.411
80.5	61.849	62.660	62.153	62.558	62.052
81.0	57.185	58.097	57.793	58.300	57.692
81.5	52.724	53.636	53.433	54.042	53.535
82.0	48.262	49.276	49.276	49.885	49.276
82.5	44.004	45.018	45.322	45.829	45.322

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CANDELA TABULATION - (Cont.)

83.0	39.847	40.962	41.368	41.976	41.368
83.5	35.994	37.109	37.718	38.225	37.718
84.0	32.344	33.459	34.169	34.777	34.068
84.5	28.694	29.809	30.722	31.330	30.722
85.0	25.246	26.463	27.578	28.187	27.477
85.5	21.901	23.219	24.537	25.246	24.435
86.0	18.859	20.278	21.698	22.407	21.596
86.5	16.223	17.541	19.163	19.974	19.062
87.0	13.891	15.310	16.932	17.642	16.730
87.5	11.863	13.384	14.905	15.614	14.600
88.0	10.241	11.863	13.181	13.891	12.775
88.5	9.125	10.646	11.761	12.370	11.052
89.0	8.314	9.734	10.443	10.342	8.618
89.5	7.807	9.227	9.632	9.024	6.793
90.0	8.314	10.849	10.545	9.632	6.895
90.5	8.213	12.066	9.936	7.402	5.982
91.0	11.356	20.075	18.757	15.716	14.195
91.5	16.121	28.187	31.229	25.652	23.523
92.0	22.205	36.197	45.018	41.266	37.616
92.5	29.505	44.815	57.590	60.125	57.894
93.0	38.123	56.678	70.873	76.551	76.652
93.5	48.060	71.278	86.183	93.381	94.598
94.0	59.213	85.372	103.014	112.544	114.369
94.5	71.481	100.884	121.366	134.039	136.473
95.0	84.763	117.208	141.340	156.954	160.705
95.5	99.161	134.546	162.835	181.491	186.256
96.0	114.369	153.000	186.053	207.852	213.226
96.5	130.491	172.163	211.502	235.634	241.616
97.0	147.018	192.745	240.500	264.632	271.323
97.5	164.355	213.429	267.977	294.441	302.146
98.0	182.200	234.721	295.860	325.365	333.983
98.5	200.451	256.013	323.540	358.520	366.935
99.0	219.411	278.015	353.755	393.906	401.104
99.5	238.878	301.335	383.057	427.669	435.983
100.0	258.649	325.264	412.967	462.041	471.571
100.5	278.725	350.510	444.905	497.122	507.565
101.0	299.003	375.858	475.627	532.710	544.370
101.5	319.687	400.496	506.044	569.110	581.784
102.0	340.776	425.742	539.605	604.800	619.603
102.5	362.069	450.989	572.152	640.895	658.030
103.0	383.766	476.337	604.090	678.714	696.660
103.5	405.870	502.496	636.535	717.344	735.189
104.0	428.074	528.756	670.299	754.251	773.819
104.5	450.178	554.712	704.265	790.447	812.449
105.0	472.687	580.770	737.115	827.252	851.485
105.5	495.500	607.537	770.473	864.564	890.419
106.0	518.110	634.406	803.730	902.079	929.556
106.5	540.923	660.971	836.479	939.493	968.795
107.0	563.838	687.738	869.533	977.514	1007.526
107.5	586.955	714.302	903.093	1015.942	1046.359
108.0	609.869	740.766	935.741	1053.457	1084.888
108.5	632.682	767.330	968.795	1090.971	1122.403
109.0	655.191	793.996	1002.457	1128.486	1160.932
109.5	677.802	820.256	1036.220	1167.015	1199.460
110.0	700.716	846.415	1068.665	1204.530	1237.989
110.5	723.630	872.574	1100.097	1242.045	1276.518

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CANDELA TABULATION - (Cont.)

111.0	746.545	898.125	1131.528	1278.546	1314.033
111.5	769.155	923.169	1161.945	1315.046	1351.547
112.0	791.461	947.908	1193.377	1349.520	1389.062
112.5	813.666	972.952	1223.794	1385.007	1426.577
113.0	835.769	997.590	1255.226	1419.480	1463.078
113.5	857.974	1022.025	1286.657	1453.953	1498.565
114.0	880.280	1047.373	1317.074	1487.412	1535.066
114.5	902.485	1071.707	1347.492	1521.885	1569.539
115.0	925.399	1096.041	1378.923	1554.330	1604.012
115.5	948.111	1121.389	1409.340	1586.775	1638.485
116.0	970.823	1144.709	1438.744	1619.221	1671.944
116.5	993.636	1168.029	1467.134	1650.652	1705.403
117.0	1015.942	1191.349	1495.523	1682.083	1737.849
117.5	1039.262	1214.669	1522.899	1712.501	1769.280
118.0	1060.554	1236.975	1549.261	1742.918	1800.711
118.5	1082.860	1260.295	1575.622	1773.336	1832.143
119.0	1104.152	1282.601	1601.984	1802.739	1862.560
119.5	1125.445	1304.907	1628.346	1831.129	1892.977
120.0	1146.737	1328.227	1653.694	1859.518	1923.395
120.5	1167.015	1349.520	1678.028	1887.908	1951.784
121.0	1188.307	1370.812	1703.376	1914.270	1980.174
121.5	1209.599	1392.104	1727.709	1941.645	2008.564
122.0	1230.892	1413.396	1751.029	1966.993	2034.925
122.5	1251.170	1434.688	1775.363	1992.341	2061.287
123.0	1271.448	1453.953	1798.683	2016.675	2086.635
123.5	1291.726	1473.217	1819.976	2041.009	2110.969
124.0	1312.005	1491.467	1842.282	2063.315	2134.289
124.5	1332.283	1509.718	1863.574	2086.635	2158.623
125.0	1351.547	1526.954	1883.852	2108.941	2180.929
125.5	1371.826	1545.205	1904.130	2131.247	2203.235
126.0	1391.090	1561.428	1922.381	2152.539	2225.541
126.5	1409.340	1578.664	1941.645	2173.832	2245.819
127.0	1428.605	1594.887	1958.882	2194.110	2266.098
127.5	1446.855	1611.109	1977.132	2213.374	2286.376
128.0	1465.106	1627.332	1994.369	2232.639	2305.640
128.5	1484.370	1644.568	2010.591	2250.889	2324.905
129.0	1502.621	1660.791	2026.814	2269.140	2344.169
129.5	1520.871	1677.014	2043.037	2287.390	2362.420
130.0	1539.121	1693.236	2057.231	2303.613	2380.670
130.5	1558.386	1710.473	2072.440	2319.835	2396.893
131.0	1575.622	1726.696	2086.635	2336.058	2414.129
131.5	1593.873	1742.918	2099.816	2351.267	2430.352
132.0	1613.137	1759.141	2112.997	2366.475	2446.574
132.5	1631.388	1775.363	2126.178	2380.670	2461.783
133.0	1649.638	1791.586	2138.345	2393.851	2475.978
133.5	1667.889	1807.809	2149.498	2407.032	2490.173
134.0	1687.153	1823.017	2161.665	2418.185	2503.354
134.5	1704.389	1839.240	2171.804	2430.352	2515.521
135.0	1722.640	1854.449	2183.971	2441.505	2527.688
135.5	1740.890	1868.643	2194.110	2451.644	2537.827
136.0	1759.141	1882.838	2205.263	2461.783	2548.980
136.5	1776.377	1898.047	2215.402	2471.922	2559.119
137.0	1793.614	1912.242	2224.527	2481.048	2568.244
137.5	1810.850	1925.423	2234.666	2490.173	2577.369
138.0	1828.087	1938.604	2243.792	2498.284	2585.481
138.5	1844.310	1951.784	2252.917	2506.395	2592.578

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CANDELA TABULATION - (Cont.)

139.0	1861.546	1964.965	2261.028	2513.493	2599.675
139.5	1877.769	1977.132	2269.140	2520.590	2605.759
140.0	1893.991	1990.313	2277.251	2526.674	2611.842
140.5	1909.200	2002.480	2284.348	2532.757	2616.912
141.0	1924.409	2014.647	2291.446	2537.827	2621.982
141.5	1939.617	2026.814	2298.543	2542.896	2626.037
142.0	1953.812	2038.981	2304.626	2546.952	2629.079
142.5	1969.021	2050.134	2310.710	2551.008	2633.135
143.0	1984.230	2062.301	2315.780	2554.049	2635.162
143.5	1998.424	2074.468	2320.849	2557.091	2638.204
144.0	2012.619	2085.621	2325.919	2559.119	2640.232
144.5	2027.828	2097.788	2329.974	2561.147	2642.260
145.0	2042.023	2109.955	2335.044	2563.175	2643.274
145.5	2056.218	2121.108	2339.100	2565.202	2645.302
146.0	2071.426	2133.275	2342.141	2566.216	2646.316
146.5	2084.607	2144.428	2346.197	2566.216	2647.329
147.0	2098.802	2156.595	2350.253	2567.230	2647.329
147.5	2111.983	2167.748	2353.294	2567.230	2646.316
148.0	2126.178	2178.901	2357.350	2567.230	2645.302
148.5	2139.359	2190.054	2360.392	2567.230	2644.288
149.0	2152.539	2201.207	2364.447	2566.216	2642.260
149.5	2164.706	2212.360	2367.489	2565.202	2640.232
150.0	2177.887	2223.513	2371.545	2563.175	2637.190
150.5	2190.054	2233.653	2375.600	2562.161	2634.149
151.0	2202.221	2244.806	2378.642	2560.133	2630.093
151.5	2214.388	2254.945	2382.698	2557.091	2626.037
152.0	2226.555	2266.098	2385.740	2555.063	2620.968
152.5	2238.722	2276.237	2389.795	2553.035	2615.898
153.0	2250.889	2286.376	2392.837	2551.008	2610.829
153.5	2262.042	2296.515	2396.893	2547.966	2605.759
154.0	2273.195	2306.654	2400.948	2544.924	2599.675
154.5	2284.348	2315.780	2405.004	2542.896	2595.620
155.0	2294.487	2325.919	2409.060	2539.855	2589.536
155.5	2304.626	2335.044	2414.129	2536.813	2584.467
156.0	2315.780	2344.169	2418.185	2533.771	2579.397
156.5	2324.905	2353.294	2423.254	2531.743	2574.328
157.0	2335.044	2361.406	2427.310	2529.715	2569.258
157.5	2345.183	2370.531	2432.380	2527.688	2564.188
158.0	2354.308	2379.656	2436.435	2525.660	2560.133
158.5	2363.434	2387.767	2440.491	2524.646	2557.091
159.0	2372.559	2396.893	2444.547	2523.632	2553.035
159.5	2380.670	2405.004	2448.602	2522.618	2549.994
160.0	2388.781	2413.115	2452.658	2522.618	2546.952
160.5	2397.907	2420.213	2456.714	2521.604	2544.924
161.0	2406.018	2427.310	2459.755	2521.604	2543.910
161.5	2414.129	2434.407	2463.811	2521.604	2542.896
162.0	2421.227	2441.505	2467.867	2521.604	2540.868
162.5	2428.324	2447.588	2470.908	2522.618	2540.868
163.0	2436.435	2454.686	2474.964	2522.618	2539.855
163.5	2443.533	2460.769	2479.020	2522.618	2538.841
164.0	2450.630	2465.839	2483.075	2523.632	2537.827
164.5	2457.728	2471.922	2487.131	2524.646	2536.813
165.0	2463.811	2476.992	2490.173	2525.660	2535.799
165.5	2470.908	2483.075	2494.228	2526.674	2535.799
166.0	2476.992	2488.145	2498.284	2527.688	2535.799
166.5	2482.061	2493.214	2501.326	2528.701	2535.799

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CANDELA TABULATION - (Cont.)

167.0	2488.145	2497.270	2505.381	2529.715	2535.799
167.5	2493.214	2502.340	2508.423	2531.743	2535.799
168.0	2498.284	2506.395	2511.465	2532.757	2536.813
168.5	2503.354	2510.451	2514.507	2533.771	2536.813
169.0	2508.423	2514.507	2516.535	2535.799	2537.827
169.5	2512.479	2517.548	2519.576	2536.813	2537.827
170.0	2516.535	2521.604	2521.604	2538.841	2538.841
170.5	2520.590	2524.646	2523.632	2540.868	2540.868
171.0	2524.646	2528.701	2525.660	2541.882	2541.882
171.5	2528.701	2531.743	2527.688	2543.910	2542.896
172.0	2531.743	2534.785	2529.715	2544.924	2543.910
172.5	2534.785	2537.827	2531.743	2545.938	2544.924
173.0	2538.841	2540.868	2533.771	2546.952	2545.938
173.5	2540.868	2542.896	2534.785	2547.966	2546.952
174.0	2543.910	2545.938	2537.827	2548.980	2547.966
174.5	2545.938	2547.966	2538.841	2551.008	2548.980
175.0	2548.980	2549.994	2540.868	2552.022	2549.994
175.5	2551.008	2552.022	2542.896	2554.049	2551.008
176.0	2552.022	2554.049	2544.924	2555.063	2553.035
176.5	2554.049	2556.077	2546.952	2557.091	2554.049
177.0	2555.063	2558.105	2547.966	2558.105	2556.077
177.5	2557.091	2559.119	2549.994	2560.133	2557.091
178.0	2558.105	2561.147	2551.008	2561.147	2559.119
178.5	2559.119	2562.161	2552.022	2562.161	2560.133
179.0	2559.119	2562.161	2553.035	2563.175	2560.133
179.5	2560.133	2563.175	2553.035	2563.175	2561.147
180.0	2560.133	2560.133	2560.133	2560.133	2560.133

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SDI5-4-L27-835-DMA-FA-90U-10D-DIM-UNV_.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	223.59	N.A.	2.10
0-30	475.78	N.A.	4.40
0-40	779.25	N.A.	7.20
0-60	1376.24	N.A.	12.80
0-80	1716.18	N.A.	15.90
0-90	1749.56	N.A.	16.20
10-90	1691.91	N.A.	15.70
20-40	555.67	N.A.	5.20
20-50	869.20	N.A.	8.10
40-70	814.15	N.A.	7.50
60-80	339.94	N.A.	3.20
70-80	122.77	N.A.	1.10
80-90	33.38	N.A.	0.30
90-110	911.69	N.A.	8.50
90-120	2216.41	N.A.	20.60
90-130	3840.03	N.A.	35.60
90-150	6962.84	N.A.	64.60
90-180	9035.59	N.A.	83.80
110-180	8123.9	N.A.	75.30
0-180	10785.15	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	57.64
10-20	165.94
20-30	252.19
30-40	303.48
40-50	313.53
50-60	283.45
60-70	217.17
70-80	122.77
80-90	33.38
90-100	170.10
100-110	741.59
110-120	1304.72
120-130	1623.62
130-140	1658.22
140-150	1464.59
150-160	1123.17
160-170	706.99
170-180	242.60

IES INDOOR REPORT

PHOTOMETRIC FILENAME : SDI5-4-L27-835-DMA-FA-90U-10D-DIM-UNV_.IES

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	99	99	99	99	87	87	87	87	65	65	65	44	44	44	25	25	25	16
1	90	86	82	79	79	76	73	70	56	54	53	38	37	36	22	22	21	14
2	82	75	69	64	72	66	61	57	49	46	43	34	32	30	19	18	18	11
3	75	66	59	53	65	58	52	48	43	39	36	30	27	25	17	16	15	9
4	68	58	51	45	60	51	45	40	38	34	31	26	24	22	15	14	13	8
5	62	51	44	38	55	45	39	34	34	30	26	23	21	19	14	12	11	7
6	57	46	38	33	50	41	34	29	30	26	23	21	18	16	12	11	10	6
7	53	41	34	28	46	36	30	25	27	23	20	19	16	14	11	10	8	5
8	49	37	30	25	43	33	27	22	25	20	17	17	14	12	10	9	7	5
9	45	34	27	22	40	30	24	20	23	18	15	16	13	11	9	8	7	4
10	42	31	24	19	37	27	21	17	21	16	14	14	12	10	9	7	6	4

IES INDOOR REPORT

PHOTOMETRIC FILENAME : SDI5-4-L27-835-DMA-FA-90U-10D-DIM-UNV_.IES

UGR TABLE - CORRECTED

Reflectances

Ceiling Cavity	70	70	50	50	30	70	70	50	50	30
Walls	50	30	50	30	30	50	30	50	30	30
Floor Cavity	20	20	20	20	20	20	20	20	20	20

Room Size UGR Viewed Crosswise

X=2H	Y=2H	8.3	8.3	8.3	8.9	10.5	UGR Viewed Endwise			
	3H	8.5	9.1	9.8	10.3	12.0	8.3	8.5	9.0	9.6
	4H	9.0	9.5	10.2	10.7	12.4	9.6	10.1	10.8	11.3
	6H	9.2	9.7	10.4	10.9	12.6	10.1	10.7	11.3	11.8
	8H	9.2	9.7	10.5	10.9	12.6	10.5	11.0	11.7	12.2
	12H	9.2	9.7	10.4	10.9	12.6	10.6	11.0	11.8	12.3

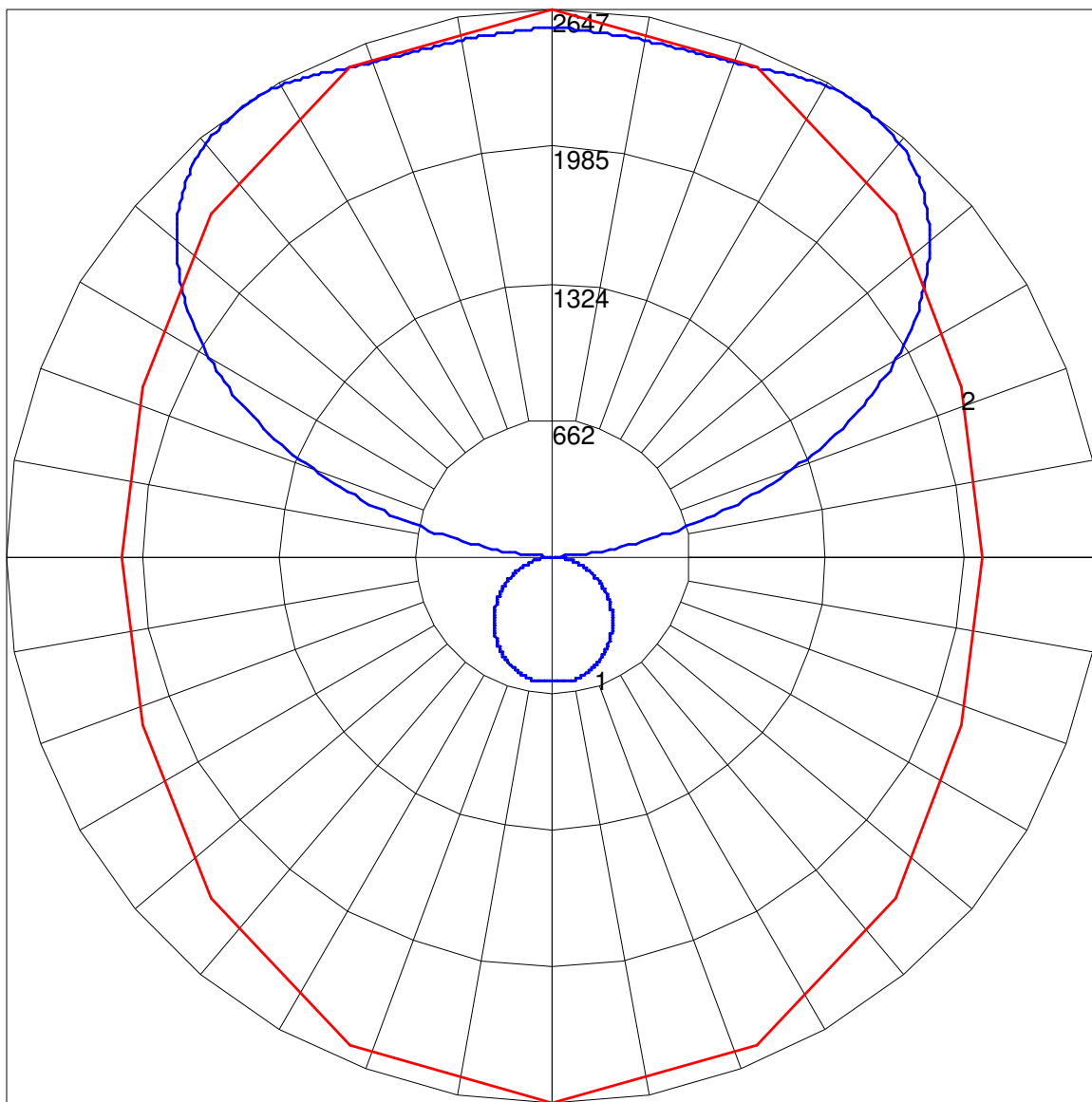
4H	2H	8.3	8.3	8.8	9.3	11.0	8.3	8.7	9.4	9.9
	3H	9.2	9.7	10.4	10.9	12.6	9.6	10.1	10.8	11.3
	4H	9.8	10.2	11.0	11.4	13.1	10.1	10.5	11.3	11.7
	6H	10.1	10.4	11.3	11.7	13.4	10.8	11.2	12.0	12.4
	8H	10.1	10.5	11.4	11.7	13.4	11.2	11.6	12.5	12.8
	12H	10.1	10.4	11.4	11.6	13.4	11.3	11.7	12.6	12.9

8H	4H	9.9	10.3	11.2	11.5	13.2	11.4	11.7	12.6	12.9
	6H	10.3	10.6	11.6	11.9	13.6	10.8	11.2	12.1	12.4
	8H	10.4	10.7	11.7	11.9	13.7	11.4	11.7	12.6	12.9
	12H	10.5	10.7	11.7	11.9	13.7	11.6	11.8	12.8	13.0

12H	4H	9.9	10.2	11.2	11.4	13.2	11.7	11.9	12.9	13.1
	6H	10.3	10.6	11.6	11.8	13.6	10.8	11.1	12.0	12.3
	8H	10.5	10.7	11.7	11.9	13.7	11.4	11.6	12.6	12.8

Maximum UGR = 14.9

POLAR GRAPH



Maximum Candela = 2647.329 Located At Horizontal Angle = 90, Vertical Angle = 146.5
1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (146.5) (Through Max. Cd.)