



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : SDI5-4-L27-835-DMA-70U-30D-DIM-UNV\_.IES

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002  
[TEST] GEN FROM 12731921.03  
[TESTLAB] UL Verification Services Inc.  
[ISSUEDATE] 04-12-2023  
[MANUFAC] WILLIAMS INDOOR  
[OTHER] H.E. WILLIAMS, INC. - CARTHAGE, MO 64836  
[LUMINAIRE] 4' SUSPENDED DIRECT INDIRECT LED  
[MORE] WITH FROSTED ACRYLIC LENS  
[LUMCAT] SDI5-4-L27-835-DMA-70U-30D-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	10837
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	139
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)	3.75 ft
Luminous Width (90-270)	0.35 ft
Luminous Height	0.15 ft

### LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	7206	7530	8542
55	7230	7130	7824
65	6845	5946	6359
75	5533	3900	3996
85	2276	1039	1006

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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	726.045	726.045	726.045	726.045	726.045
0.5	734.327	726.965	723.285	725.432	723.182
1.0	734.327	727.068	723.591	725.943	723.796
1.5	734.429	727.272	724.000	726.863	724.716
2.0	734.429	727.477	724.716	727.988	726.045
2.5	734.532	727.681	725.636	729.419	727.783
3.0	734.634	728.090	726.659	731.260	729.931
3.5	734.736	728.499	727.886	733.305	732.487
4.0	734.838	728.908	729.215	735.656	735.350
4.5	734.941	729.419	730.851	738.212	738.417
5.0	735.145	730.135	732.589	741.178	741.893
5.5	735.247	730.749	734.429	744.245	745.676
6.0	735.452	731.464	736.474	747.721	749.868
6.5	735.656	732.282	738.621	751.300	754.265
7.0	735.861	733.202	740.973	755.185	758.968
7.5	736.168	734.020	743.427	759.377	763.774
8.0	736.474	735.043	746.085	763.672	768.988
8.5	736.883	736.065	748.846	768.170	770.215
9.0	737.190	737.190	751.709	769.193	775.839
9.5	737.599	738.315	754.776	773.998	781.258
10.0	738.008	739.439	757.946	778.906	787.188
10.5	738.315	740.666	761.115	784.121	793.016
11.0	738.724	741.893	764.490	789.642	795.368
11.5	739.235	743.223	767.864	793.936	801.809
12.0	739.644	744.552	771.442	797.004	808.251
12.5	740.155	745.983	771.749	802.832	814.692
13.0	740.564	747.415	775.021	808.864	821.440
13.5	741.075	748.846	778.906	814.794	828.393
14.0	741.382	750.380	782.792	821.134	835.448
14.5	741.791	751.811	786.881	827.473	842.912
15.0	742.200	753.345	789.131	833.914	850.171
15.5	742.609	754.879	792.403	840.458	857.737
16.0	743.018	756.514	795.674	847.206	865.304
16.5	743.427	758.048	800.071	854.363	873.279
17.0	743.734	759.582	804.570	861.214	880.947
17.5	744.040	761.115	808.864	868.269	888.718
18.0	744.347	762.751	813.363	875.630	896.795
18.5	744.552	764.285	817.862	882.788	905.179
19.0	744.756	765.819	822.463	890.149	913.564
19.5	744.961	767.352	826.757	897.409	921.743
20.0	745.063	768.784	831.358	904.464	930.230
20.5	745.267	770.215	835.652	911.519	938.511
21.0	745.267	771.647	839.947	918.471	946.691
21.5	745.267	773.078	844.343	925.424	955.177
22.0	745.267	774.407	848.535	932.274	963.153
22.5	745.267	775.737	852.625	939.023	971.128
23.0	745.165	776.964	856.817	945.566	978.898
23.5	745.063	776.248	860.600	952.417	986.158
24.0	744.858	775.328	864.588	958.756	993.315
24.5	744.552	776.452	868.371	965.095	1000.370
25.0	744.347	777.475	871.950	971.332	1006.914
25.5	743.938	778.395	875.835	977.365	1013.764
26.0	743.529	779.213	879.414	983.193	1020.206
26.5	743.018	779.929	882.788	988.612	1026.545

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : SDI5-4-L27-835-DMA-70U-30D-DIM-UNV\_.IES****CANDELA TABULATION - (Cont.)**

27.0	742.507	780.644	886.366	993.928	1032.680
27.5	741.791	781.156	889.229	999.245	1038.814
28.0	741.075	781.667	892.296	1004.358	1044.949
28.5	740.257	782.076	895.159	1009.061	1050.061
29.0	739.235	782.178	897.715	1013.662	1055.174
29.5	738.212	782.280	900.067	1017.956	1060.286
30.0	737.088	782.280	902.419	1022.148	1065.398
30.5	735.861	781.974	904.157	1025.522	1069.488
31.0	734.532	781.769	906.304	1029.612	1074.600
31.5	733.100	781.258	907.838	1032.680	1078.690
32.0	731.567	780.747	909.269	1035.747	1081.757
32.5	729.931	780.133	910.394	1038.814	1085.847
33.0	728.192	779.315	911.519	1040.859	1087.892
33.5	726.352	779.520	912.337	1043.927	1090.959
34.0	724.409	779.213	912.746	1044.949	1093.004
34.5	722.364	777.884	913.155	1046.994	1095.049
35.0	720.217	776.555	913.257	1048.016	1096.072
35.5	717.968	776.964	913.155	1049.039	1097.094
36.0	715.616	775.328	912.950	1049.039	1098.117
36.5	713.162	773.487	912.337	1049.039	1099.139
37.0	710.606	771.545	911.519	1049.039	1099.139
37.5	707.948	769.397	910.598	1049.039	1099.139
38.0	705.085	767.046	909.269	1048.016	1098.117
38.5	702.222	764.592	907.940	1046.994	1097.094
39.0	699.155	761.933	906.304	1045.971	1096.072
39.5	695.985	759.173	904.361	1043.927	1095.049
40.0	692.611	756.208	902.214	1041.882	1091.982
40.5	689.237	753.140	899.760	1039.837	1089.937
41.0	685.761	749.971	897.102	1036.769	1086.870
41.5	682.182	746.597	894.444	1034.724	1083.802
42.0	678.501	743.018	891.274	1030.635	1080.735
42.5	674.616	739.439	887.900	1027.567	1076.645
43.0	670.628	735.656	884.219	1023.477	1072.555
43.5	666.538	731.669	880.334	1019.285	1068.465
44.0	662.244	727.579	876.142	1014.582	1063.353
44.5	657.848	723.387	871.847	1009.777	1058.241
45.0	653.451	718.990	867.042	1004.460	1053.129
45.5	648.850	714.389	862.339	998.734	1046.994
46.0	644.147	709.686	857.022	993.008	1040.859
46.5	639.443	704.778	851.807	987.078	1034.724
47.0	634.433	699.768	846.184	980.637	1027.567
47.5	629.423	694.451	840.356	973.991	1020.615
48.0	624.311	689.135	834.426	966.936	1013.457
48.5	618.994	683.511	828.189	959.676	1005.993
49.0	613.677	677.785	821.952	952.212	997.916
49.5	608.054	671.957	815.101	944.339	990.043
50.0	602.533	665.925	808.251	936.262	981.352
50.5	596.705	659.790	801.196	928.082	972.661
51.0	590.877	653.553	793.936	919.596	963.562
51.5	584.946	647.112	787.495	910.701	954.053
52.0	578.914	640.466	782.485	901.499	944.339
52.5	572.677	633.718	774.510	892.296	934.422
53.0	566.440	626.867	770.113	882.685	924.197
53.5	560.101	619.914	761.524	872.870	913.564
54.0	553.557	612.757	752.834	862.543	902.828
54.5	547.013	605.600	744.040	852.318	891.581

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : SDI5-4-L27-835-DMA-70U-30D-DIM-UNV\_.IES****CANDELA TABULATION - (Cont.)**

55.0	540.367	598.238	734.941	841.685	880.231
55.5	533.517	590.877	725.739	830.745	868.780
56.0	526.462	583.311	716.332	819.702	856.817
56.5	519.305	575.540	706.823	808.557	845.059
57.0	512.250	567.565	697.110	799.969	833.199
57.5	504.991	559.590	687.294	789.131	821.031
58.0	497.527	551.410	677.172	777.168	808.353
58.5	490.165	543.128	666.845	765.001	799.867
59.0	482.701	534.642	656.416	753.549	787.188
59.5	475.442	526.053	645.783	744.245	774.203
60.0	467.978	517.362	635.149	731.464	761.013
60.5	460.514	508.671	624.209	718.786	747.926
61.0	453.050	500.083	613.268	705.903	738.315
61.5	445.381	491.392	602.021	692.918	724.614
62.0	437.406	482.599	590.877	679.830	710.708
62.5	429.124	473.703	579.630	666.538	696.599
63.0	420.842	464.706	568.178	653.144	682.591
63.5	412.458	455.606	556.829	639.750	668.072
64.0	403.972	446.404	545.377	626.254	653.655
64.5	395.486	437.100	533.926	612.860	639.341
65.0	386.897	427.795	522.474	599.465	625.129
65.5	378.206	418.389	510.921	585.867	610.712
66.0	369.515	408.880	499.163	572.473	596.296
66.5	360.722	399.269	487.302	558.976	581.981
67.0	351.929	389.555	475.442	545.275	567.565
67.5	342.931	379.740	463.479	531.370	552.944
68.0	333.934	369.822	451.516	517.260	538.220
68.5	324.834	359.700	439.247	502.843	523.190
69.0	315.632	349.680	426.670	488.324	508.058
69.5	306.430	339.557	414.094	473.703	492.721
70.0	297.125	329.333	401.314	458.980	477.486
70.5	287.821	319.006	388.533	444.052	462.047
71.0	278.414	308.679	375.752	429.227	446.608
71.5	269.008	298.250	362.767	414.401	431.169
72.0	259.499	287.719	349.782	399.473	415.730
72.5	249.888	277.085	336.694	384.545	400.496
73.0	240.277	266.554	323.811	369.822	385.159
73.5	230.768	256.023	310.929	355.201	369.822
74.0	221.157	245.696	298.250	340.580	354.587
74.5	211.853	235.369	285.572	326.163	339.353
75.0	202.446	225.042	272.995	311.644	324.220
75.5	193.142	214.716	260.522	297.228	308.884
76.0	183.735	204.389	248.048	282.913	293.956
76.5	174.431	194.164	235.880	268.803	279.028
77.0	165.229	184.042	223.713	254.796	264.305
77.5	156.129	174.022	211.750	240.890	249.786
78.0	147.029	164.104	199.788	227.087	235.471
78.5	137.929	154.288	187.825	213.489	221.259
79.0	129.034	144.473	176.067	200.094	207.149
79.5	120.241	134.964	164.309	186.803	193.346
80.0	111.652	125.455	152.959	173.715	179.952
80.5	103.166	116.253	141.610	161.037	166.762
81.0	94.782	107.051	130.465	148.563	153.777
81.5	86.500	98.053	119.627	136.293	141.099
82.0	78.320	89.260	108.891	124.228	128.727
82.5	70.958	80.569	98.462	112.572	116.560

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83.0	63.494	72.185	88.340	101.325	104.904
83.5	56.133	64.108	78.627	90.487	93.555
84.0	48.873	56.337	69.322	79.854	82.512
84.5	41.921	48.873	60.427	69.731	71.981
85.0	35.377	41.614	51.941	60.120	61.859
85.5	29.038	34.763	43.966	51.021	52.350
86.0	23.107	28.322	36.604	42.636	43.454
86.5	17.484	22.494	29.753	34.968	35.377
87.0	12.372	17.075	23.619	28.015	27.811
87.5	7.975	12.372	18.200	21.472	20.858
88.0	4.192	8.282	12.985	15.644	15.030
88.5	1.022	4.908	8.793	11.349	11.554
89.0	0.000	2.863	6.135	8.486	8.486
89.5	0.000	1.329	4.499	6.646	5.726
90.0	0.000	2.352	5.010	7.157	5.828
90.5	0.000	4.806	6.441	6.339	6.032
91.0	1.022	9.100	11.860	11.554	11.349
91.5	3.476	14.212	18.097	19.018	18.097
92.0	6.339	19.631	24.437	26.175	25.664
92.5	9.816	25.766	31.185	32.923	32.310
93.0	13.803	36.706	37.422	40.285	39.671
93.5	18.302	59.098	43.352	47.135	47.033
94.0	23.107	84.148	50.100	53.679	53.679
94.5	28.322	113.697	57.666	60.427	60.427
95.0	34.048	153.777	66.460	68.096	67.789
95.5	40.080	191.301	77.400	76.684	75.968
96.0	46.522	220.237	101.325	86.295	85.170
96.5	53.474	254.387	152.346	96.826	95.191
97.0	60.836	292.422	216.556	108.073	106.131
97.5	68.504	323.607	284.345	123.615	117.685
98.0	75.764	349.680	370.844	162.264	130.363
98.5	83.944	374.628	475.748	233.120	159.298
99.0	92.430	406.221	580.039	312.360	222.895
99.5	101.428	439.247	652.122	393.236	307.657
100.0	110.630	465.626	711.833	497.424	389.964
100.5	119.934	492.619	764.694	633.615	482.599
101.0	129.545	516.442	814.283	787.699	608.565
101.5	139.361	542.617	868.473	933.501	766.943
102.0	149.483	567.769	912.746	1033.702	946.487
102.5	159.810	589.650	958.654	1114.476	1100.162
103.0	170.443	612.042	1011.924	1189.115	1202.407
103.5	181.179	634.842	1060.286	1250.462	1289.316
104.0	192.017	658.052	1094.027	1301.585	1367.022
104.5	202.957	683.716	1117.543	1356.798	1426.325
105.0	214.204	710.913	1147.194	1414.055	1473.358
105.5	225.349	735.963	1186.048	1462.111	1524.480
106.0	236.596	760.298	1226.946	1508.121	1581.738
106.5	247.945	784.223	1266.822	1559.244	1632.861
107.0	259.397	806.717	1300.563	1611.389	1676.826
107.5	270.644	827.882	1328.169	1652.287	1722.837
108.0	281.686	848.842	1349.641	1682.961	1774.982
108.5	292.831	867.962	1372.135	1707.500	1823.037
109.0	303.976	886.059	1397.696	1733.061	1860.868
109.5	315.223	903.748	1429.392	1763.735	1890.519
110.0	326.163	921.334	1461.088	1797.476	1915.058
110.5	336.899	938.920	1488.694	1830.194	1940.620

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**CANDELA TABULATION - (Cont.)**

111.0	347.430	956.200	1509.144	1862.913	1968.226
111.5	357.961	973.275	1528.570	1892.564	1998.899
112.0	368.595	989.327	1547.997	1920.170	2028.551
112.5	379.433	1004.869	1567.423	1941.642	2057.179
113.0	390.271	1019.899	1586.850	1959.024	2082.741
113.5	401.007	1033.702	1605.254	1976.405	2106.257
114.0	411.538	1046.994	1623.659	1993.787	2124.661
114.5	421.865	1060.286	1640.018	2015.259	2141.021
115.0	432.192	1073.578	1659.444	2039.798	2154.313
115.5	442.519	1085.847	1679.894	2063.314	2168.627
116.0	452.539	1098.117	1699.320	2081.718	2184.986
116.5	462.252	1109.364	1718.747	2096.033	2206.458
117.0	471.761	1120.611	1737.151	2108.302	2227.929
117.5	481.167	1129.813	1753.510	2121.594	2247.356
118.0	490.676	1139.015	1769.870	2133.864	2260.648
118.5	499.980	1148.217	1784.184	2147.155	2269.850
119.0	509.080	1156.397	1797.476	2159.425	2280.075
119.5	517.976	1163.554	1809.745	2170.672	2290.299
120.0	526.462	1170.711	1818.947	2181.919	2301.546
120.5	534.642	1175.823	1828.149	2191.121	2310.748
121.0	542.515	1181.958	1835.307	2200.323	2319.950
121.5	550.183	1187.070	1842.464	2210.548	2327.108
122.0	557.749	1192.183	1847.576	2219.750	2334.265
122.5	565.315	1196.272	1851.666	2228.952	2340.399
123.0	572.779	1200.362	1854.733	2237.131	2346.534
123.5	580.039	1205.474	1857.801	2243.266	2352.669
124.0	587.094	1208.542	1859.846	2249.401	2359.826
124.5	593.944	1211.609	1861.891	2254.513	2365.961
125.0	600.795	1213.654	1862.913	2258.603	2371.073
125.5	607.543	1215.699	1863.935	2261.670	2376.185
126.0	614.189	1217.744	1864.958	2263.715	2380.275
126.5	620.835	1217.744	1865.980	2265.760	2382.320
127.0	627.276	1218.766	1865.980	2265.760	2384.365
127.5	633.513	1218.766	1865.980	2264.738	2385.387
128.0	639.443	1218.766	1865.980	2263.715	2384.365
128.5	645.169	1217.744	1864.958	2261.670	2384.365
129.0	650.793	1216.721	1863.935	2258.603	2382.320
129.5	656.212	1215.699	1861.891	2255.536	2379.253
130.0	661.528	1214.677	1859.846	2251.446	2375.163
130.5	666.538	1214.677	1856.778	2246.334	2371.073
131.0	671.446	1212.632	1853.711	2241.221	2365.961
131.5	676.252	1211.609	1848.599	2235.087	2359.826
132.0	680.955	1209.564	1844.509	2229.974	2353.691
132.5	685.454	1208.542	1839.397	2222.817	2346.534
133.0	689.748	1207.519	1833.262	2215.660	2339.377
133.5	694.042	1205.474	1827.127	2208.503	2331.197
134.0	698.132	1203.430	1819.970	2200.323	2323.018
134.5	702.120	1201.385	1812.813	2192.143	2313.816
135.0	705.903	1199.340	1805.655	2182.941	2304.614
135.5	709.482	1197.295	1798.498	2173.739	2294.389
136.0	712.856	1194.227	1790.319	2164.537	2284.164
136.5	716.230	1190.138	1781.117	2154.313	2273.940
137.0	719.502	1187.070	1772.937	2144.088	2262.693
137.5	722.671	1182.980	1764.757	2133.864	2251.446
138.0	725.739	1178.891	1755.555	2122.617	2239.176
138.5	728.704	1174.801	1746.353	2111.370	2226.907

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : SDI5-4-L27-835-DMA-70U-30D-DIM-UNV\_.IES****CANDELA TABULATION - (Cont.)**

139.0	731.464	1169.688	1736.129	2100.123	2214.637
139.5	734.123	1164.576	1725.904	2087.853	2201.346
140.0	736.679	1159.464	1715.679	2075.584	2187.031
140.5	739.030	1154.352	1705.455	2062.292	2173.739
141.0	741.382	1149.239	1694.208	2049.000	2159.425
141.5	743.529	1143.105	1682.961	2034.685	2144.088
142.0	745.472	1135.947	1671.714	2020.371	2129.774
142.5	747.415	1129.813	1660.467	2006.057	2114.437
143.0	749.255	1123.678	1648.197	1991.742	2099.100
143.5	750.993	1116.521	1636.950	1976.405	2083.763
144.0	752.629	1109.364	1623.659	1961.069	2068.426
144.5	754.163	1103.229	1610.367	1945.732	2052.067
145.0	755.696	1096.072	1598.097	1929.373	2035.708
145.5	757.230	1089.937	1584.805	1913.013	2020.371
146.0	758.662	1082.780	1570.491	1897.676	2004.012
146.5	759.889	1075.623	1557.199	1880.295	1986.630
147.0	761.115	1068.465	1543.907	1863.935	1969.248
147.5	762.342	1061.308	1530.615	1846.554	1950.844
148.0	763.569	1054.151	1516.301	1830.194	1933.462
148.5	764.592	1046.994	1503.009	1811.790	1914.036
149.0	765.717	1039.837	1489.717	1794.408	1895.632
149.5	766.739	1032.680	1475.403	1777.027	1876.205
150.0	767.557	1024.500	1461.088	1758.623	1856.778
150.5	768.477	1017.752	1446.774	1740.218	1837.352
151.0	769.295	1010.288	1433.482	1721.814	1816.902
151.5	770.113	1003.028	1419.168	1703.410	1797.476
152.0	770.931	995.871	1403.831	1683.983	1777.027
152.5	771.749	988.612	1389.516	1665.579	1755.555
153.0	772.669	981.761	1375.202	1646.153	1734.084
153.5	773.589	974.604	1359.865	1626.726	1712.612
154.0	774.510	967.651	1345.551	1607.299	1691.141
154.5	775.430	960.699	1330.214	1586.850	1669.669
155.0	776.248	953.950	1314.877	1567.423	1647.175
155.5	777.066	947.100	1299.540	1546.974	1625.703
156.0	777.782	940.556	1284.203	1526.525	1603.209
156.5	778.497	934.422	1268.867	1506.076	1580.715
157.0	779.315	928.185	1252.507	1485.627	1559.244
157.5	780.235	922.357	1236.148	1464.156	1536.750
158.0	780.951	916.426	1219.789	1443.706	1514.256
158.5	781.667	910.701	1203.430	1423.257	1492.784
159.0	782.485	905.077	1188.093	1401.786	1470.290
159.5	783.098	899.556	1171.733	1381.337	1447.796
160.0	783.916	894.341	1155.374	1359.865	1424.280
160.5	784.632	889.025	1139.015	1338.394	1401.786
161.0	785.450	883.912	1122.656	1316.922	1379.292
161.5	786.166	878.698	1107.319	1295.450	1356.798
162.0	786.779	873.790	1090.959	1273.979	1334.304
162.5	787.495	869.087	1074.600	1252.507	1310.787
163.0	788.108	864.588	1059.263	1231.036	1287.271
163.5	788.722	859.987	1042.904	1209.564	1263.754
164.0	789.335	855.590	1027.567	1187.070	1240.238
164.5	789.949	851.501	1012.537	1165.599	1216.721
165.0	790.562	847.717	997.609	1144.127	1194.227
165.5	791.176	843.934	983.090	1122.656	1170.711
166.0	791.789	840.356	969.287	1101.184	1147.194
166.5	792.505	836.879	955.484	1080.735	1124.700

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : SDI5-4-L27-835-DMA-70U-30D-DIM-UNV\_.IES****CANDELA TABULATION - (Cont.)**

167.0	793.016	833.608	942.397	1059.263	1101.184
167.5	793.630	830.336	930.127	1038.814	1078.690
168.0	794.141	827.064	918.267	1018.774	1056.196
168.5	794.652	823.894	907.122	999.143	1033.702
169.0	795.163	821.031	896.591	979.921	1012.026
169.5	795.674	818.373	886.162	961.823	991.066
170.0	796.083	815.715	876.346	944.544	970.821
170.5	796.492	813.465	866.940	928.389	951.906
171.0	796.799	811.011	858.249	913.666	933.910
171.5	797.106	808.660	850.069	899.760	917.040
172.0	797.208	806.615	842.707	886.571	902.214
172.5	797.310	804.672	835.959	873.995	887.695
173.0	797.413	802.832	829.620	862.645	874.097
173.5	797.515	801.196	823.690	852.114	861.827
174.0	797.617	799.458	818.066	842.196	850.274
174.5	797.617	797.924	813.056	833.914	839.947
175.0	797.617	796.595	808.353	826.144	830.540
175.5	797.617	795.265	804.365	819.089	822.156
176.0	797.515	794.141	800.787	812.647	814.794
176.5	797.413	793.221	797.413	807.126	808.148
177.0	797.208	792.300	794.652	802.218	802.423
177.5	797.106	791.482	792.198	798.128	797.822
178.0	797.004	790.869	790.358	795.163	794.039
178.5	797.004	790.562	788.926	792.403	791.073
179.0	796.901	790.255	787.802	790.767	789.029
179.5	796.901	789.949	787.290	789.744	787.802
180.0	789.642	789.642	789.642	789.642	789.642



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : SDI5-4-L27-835-DMA-70U-30D-DIM-UNV\_.IES**

**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	297.46	N.A.	2.70
0-30	702.29	N.A.	6.50
0-40	1272.49	N.A.	11.70
0-60	2578.03	N.A.	23.80
0-80	3369.38	N.A.	31.10
0-90	3433.39	N.A.	31.70
10-90	3362.38	N.A.	31.00
20-40	975.03	N.A.	9.00
20-50	1637.68	N.A.	15.10
40-70	1812.84	N.A.	16.70
60-80	791.35	N.A.	7.30
70-80	284.05	N.A.	2.60
80-90	64.01	N.A.	0.60
90-110	1193.88	N.A.	11.00
90-120	2688.96	N.A.	24.80
90-130	4210.3	N.A.	38.90
90-150	6449.7	N.A.	59.50
90-180	7403.56	N.A.	68.30
110-180	6209.69	N.A.	57.30
0-180	10836.95	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	71.00
10-20	226.45
20-30	404.83
30-40	570.20
40-50	662.65
50-60	642.89
60-70	507.30
70-80	284.05
80-90	64.01
90-100	146.26
100-110	1047.62
110-120	1495.08
120-130	1521.34
130-140	1292.98
140-150	946.42
150-160	587.40
160-170	286.86
170-180	79.61

IES INDOOR REPORT  
 PHOTOMETRIC FILENAME : SDI5-4-L27-835-DMA-70U-30D-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	103	103	103	103	92	92	92	92	73	73	73	56	56	56	39	39	39	32
1	93	89	85	82	84	80	77	74	64	61	59	48	47	45	34	33	32	26
2	85	77	71	66	76	70	64	60	55	51	48	42	39	37	30	28	27	21
3	77	67	60	54	69	61	54	49	48	44	40	37	34	31	26	24	22	17
4	70	59	51	45	63	53	47	41	42	37	34	32	29	26	23	21	19	14
5	64	52	44	38	57	47	40	35	38	32	29	29	25	22	20	18	16	12
6	59	47	39	33	52	42	35	30	34	28	25	26	22	19	18	16	14	10
7	54	42	34	28	48	38	31	26	30	25	21	23	19	17	16	14	12	9
8	50	38	30	25	45	34	27	23	27	22	19	21	17	15	15	12	11	8
9	46	34	27	22	41	31	24	20	25	20	16	19	15	13	14	11	9	7
10	43	31	24	19	39	28	22	18	23	18	15	17	14	11	12	10	8	6

# IES INDOOR REPORT

PHOTOMETRIC FILENAME : SDI5-4-L27-835-DMA-70U-30D-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

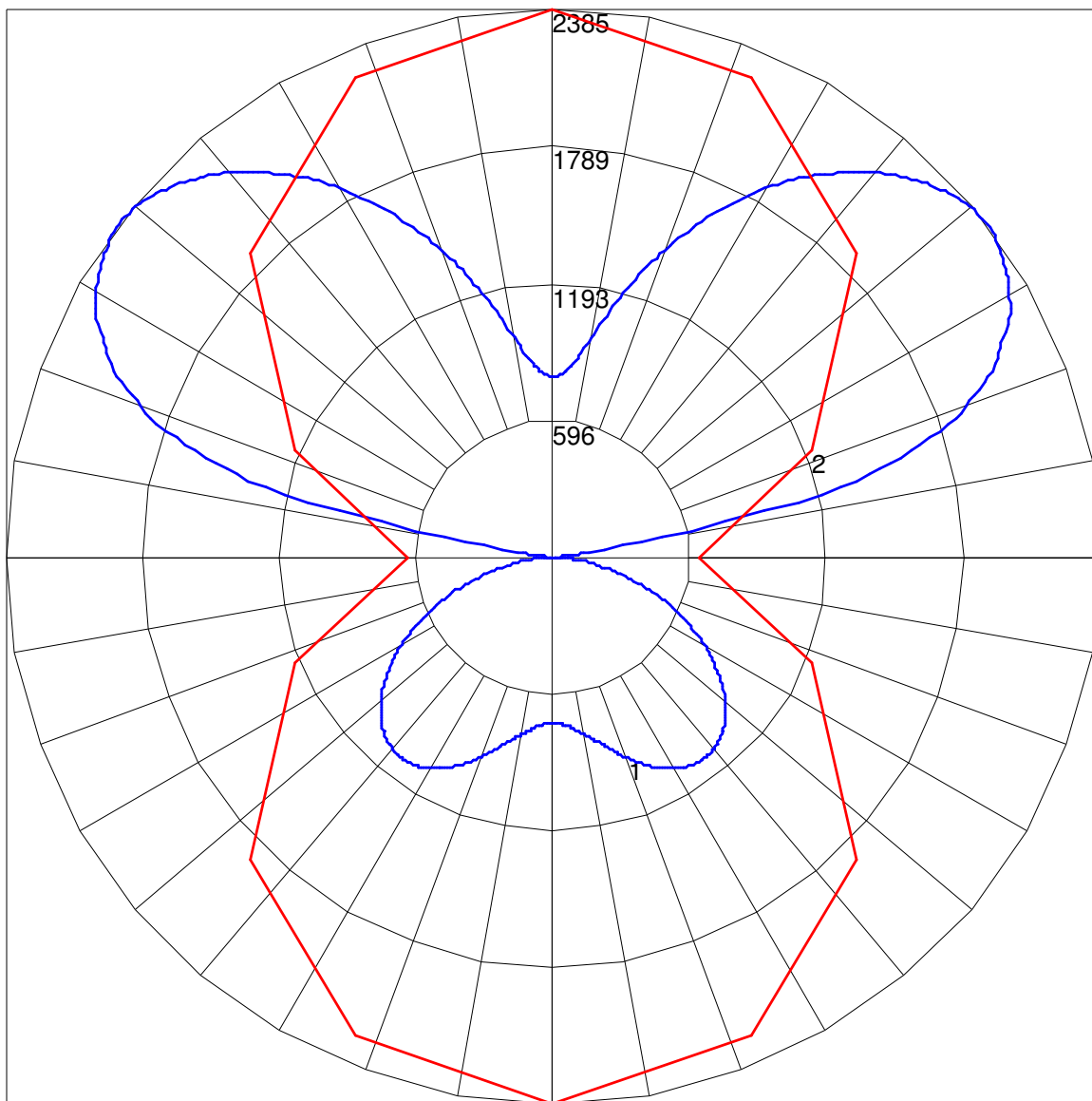
X=2H	Y=2H	11.9	12.7	13.0	13.8	15.3	15.4	16.1	16.5	17.2	18.7
	3H	13.4	14.1	14.5	15.2	16.7	17.2	17.9	18.3	19.0	20.5
	4H	13.8	14.4	14.9	15.5	17.1	17.8	18.5	18.9	19.6	21.1
	6H	14.0	14.6	15.1	15.7	17.2	18.2	18.8	19.3	19.9	21.4
	8H	14.0	14.6	15.1	15.7	17.2	18.3	18.8	19.4	19.9	21.5
	12H	14.0	14.5	15.1	15.6	17.2	18.3	18.8	19.4	19.9	21.5

### UGR Viewed Endwise

4H	2H	12.9	13.5	14.0	14.6	16.2	15.6	16.3	16.7	17.4	18.9
	3H	14.5	15.0	15.6	16.1	17.7	17.6	18.2	18.7	19.3	20.8
	4H	14.9	15.4	16.1	16.5	18.1	18.3	18.8	19.5	19.9	21.5
	6H	15.2	15.6	16.3	16.8	18.3	18.8	19.2	19.9	20.4	21.9
	8H	15.2	15.6	16.4	16.8	18.3	18.9	19.3	20.1	20.4	22.0
	12H	15.2	15.6	16.3	16.7	18.3	18.9	19.3	20.1	20.4	22.0
8H	4H	15.3	15.7	16.4	16.8	18.4	18.4	18.7	19.5	19.9	21.5
	6H	15.6	16.0	16.8	17.1	18.7	18.9	19.2	20.0	20.4	22.0
	8H	15.7	16.0	16.9	17.1	18.7	19.0	19.3	20.2	20.5	22.1
	12H	15.7	15.9	16.8	17.1	18.7	19.1	19.4	20.3	20.5	22.1
12H	4H	15.3	15.7	16.4	16.8	18.4	18.3	18.7	19.5	19.8	21.4
	6H	15.7	15.9	16.8	17.1	18.7	18.9	19.1	20.0	20.3	21.9
	8H	15.7	16.0	16.9	17.1	18.8	19.0	19.3	20.2	20.4	22.0

Maximum UGR = 22.1

POLAR GRAPH



Maximum Candela = 2385.387 Located At Horizontal Angle = 90, Vertical Angle = 127.5  
# 1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (127.5) (Through Max. Cd.)