



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : SDI5-8-L16-835-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] 04-21-2023  
[MANUFAC] WILLIAMS INDOOR  
[OTHER] H.E. WILLIAMS, INC. - CARTHAGE, MO 64836  
[LUMINAIRE] 8' SUSPENDED LED LUMINAIRE  
[MORE] WITH FROSTED ACRYLIC LENS  
[LUMCAT] SDI5-8-L16-835-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	13302
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	145
Total Luminaire Watts	92
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)	7.90 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	4283	4436	4977
55	4332	4214	4558
65	4156	3529	3705
75	3454	2330	2329
85	1582	627	586

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : SDI5-8-L16-835-DMA-70U-30D-DIM-UNV\_.IES****CANDELA TABULATION**

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
<b>0.0</b>	891.193	891.193	891.193	891.193	891.193
<b>0.5</b>	901.358	892.322	887.804	890.439	887.678
<b>1.0</b>	901.358	892.448	888.180	891.067	888.431
<b>1.5</b>	901.484	892.699	888.682	892.197	889.561
<b>2.0</b>	901.484	892.950	889.561	893.577	891.193
<b>2.5</b>	901.609	893.201	890.691	895.334	893.326
<b>3.0</b>	901.735	893.703	891.946	897.593	895.962
<b>3.5</b>	901.860	894.205	893.452	900.103	899.099
<b>4.0</b>	901.986	894.707	895.083	902.990	902.613
<b>4.5</b>	902.111	895.334	897.091	906.127	906.378
<b>5.0</b>	902.362	896.213	899.225	909.767	910.645
<b>5.5</b>	902.488	896.966	901.484	913.532	915.289
<b>6.0</b>	902.739	897.844	903.994	917.799	920.435
<b>6.5</b>	902.990	898.848	906.629	922.192	925.831
<b>7.0</b>	903.241	899.978	909.516	926.961	931.604
<b>7.5</b>	903.617	900.982	912.528	932.106	937.503
<b>8.0</b>	903.994	902.237	915.791	937.377	943.904
<b>8.5</b>	904.496	903.492	919.180	942.899	945.410
<b>9.0</b>	904.872	904.872	922.694	944.155	952.312
<b>9.5</b>	905.374	906.253	926.459	950.053	958.964
<b>10.0</b>	905.876	907.633	930.349	956.077	966.243
<b>10.5</b>	906.253	909.139	934.240	962.478	973.397
<b>11.0</b>	906.755	910.645	938.381	969.255	976.283
<b>11.5</b>	907.382	912.277	942.523	974.526	984.190
<b>12.0</b>	907.884	913.908	946.916	978.291	992.096
<b>12.5</b>	908.512	915.665	947.292	985.445	1000.003
<b>13.0</b>	909.014	917.423	951.308	992.849	1008.286
<b>13.5</b>	909.641	919.180	956.077	1000.129	1016.820
<b>14.0</b>	910.018	921.062	960.846	1007.910	1025.480
<b>14.5</b>	910.520	922.819	965.866	1015.691	1034.642
<b>15.0</b>	911.022	924.702	968.627	1023.598	1043.552
<b>15.5</b>	911.524	926.584	972.644	1031.630	1052.840
<b>16.0</b>	912.026	928.592	976.660	1039.913	1062.127
<b>16.5</b>	912.528	930.475	982.056	1048.698	1071.916
<b>17.0</b>	912.904	932.357	987.578	1057.107	1081.329
<b>17.5</b>	913.281	934.240	992.849	1065.766	1090.867
<b>18.0</b>	913.657	936.248	998.372	1074.803	1100.782
<b>18.5</b>	913.908	938.130	1003.894	1083.588	1111.073
<b>19.0</b>	914.159	940.013	1009.541	1092.624	1121.364
<b>19.5</b>	914.410	941.895	1014.812	1101.535	1131.404
<b>20.0</b>	914.536	943.653	1020.460	1110.194	1141.821
<b>20.5</b>	914.787	945.410	1025.731	1118.854	1151.986
<b>21.0</b>	914.787	947.167	1031.002	1127.388	1162.027
<b>21.5</b>	914.787	948.924	1036.399	1135.922	1172.443
<b>22.0</b>	914.787	950.555	1041.544	1144.331	1182.233
<b>22.5</b>	914.787	952.187	1046.564	1152.614	1192.022
<b>23.0</b>	914.661	953.693	1051.710	1160.646	1201.560
<b>23.5</b>	914.536	952.814	1056.354	1169.055	1210.471
<b>24.0</b>	914.285	951.685	1061.248	1176.836	1219.256
<b>24.5</b>	913.908	953.065	1065.892	1184.617	1227.915
<b>25.0</b>	913.657	954.320	1070.284	1192.273	1235.948
<b>25.5</b>	913.155	955.450	1075.054	1199.677	1244.356
<b>26.0</b>	912.653	956.454	1079.446	1206.831	1252.263
<b>26.5</b>	912.026	957.332	1083.588	1213.483	1260.044

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27.0	911.398	958.211	1087.980	1220.009	1267.574
27.5	910.520	958.838	1091.494	1226.535	1275.104
28.0	909.641	959.466	1095.259	1232.810	1282.634
28.5	908.637	959.968	1098.773	1238.583	1288.910
29.0	907.382	960.093	1101.911	1244.231	1295.185
29.5	906.127	960.219	1104.798	1249.502	1301.460
30.0	904.747	960.219	1107.684	1254.647	1307.735
30.5	903.241	959.842	1109.818	1258.789	1312.755
31.0	901.609	959.591	1112.453	1263.809	1319.030
31.5	899.852	958.964	1114.336	1267.574	1324.050
32.0	897.970	958.336	1116.093	1271.339	1327.815
32.5	895.962	957.583	1117.473	1275.104	1332.835
33.0	893.828	956.579	1118.854	1277.614	1335.345
33.5	891.569	956.830	1119.858	1281.379	1339.111
34.0	889.184	956.454	1120.360	1282.634	1341.621
34.5	886.674	954.822	1120.862	1285.145	1344.131
35.0	884.039	953.191	1120.987	1286.400	1345.386
35.5	881.278	953.693	1120.862	1287.655	1346.641
36.0	878.391	951.685	1120.611	1287.655	1347.896
36.5	875.379	949.426	1119.858	1287.655	1349.151
37.0	872.242	947.041	1118.854	1287.655	1349.151
37.5	868.979	944.406	1117.724	1287.655	1349.151
38.0	865.465	941.519	1116.093	1286.400	1347.896
38.5	861.950	938.507	1114.461	1285.145	1346.641
39.0	858.185	935.244	1112.453	1283.890	1345.386
39.5	854.295	931.855	1110.069	1281.379	1344.131
40.0	850.153	928.216	1107.433	1278.869	1340.366
40.5	846.012	924.451	1104.421	1276.359	1337.856
41.0	841.745	920.560	1101.158	1272.594	1334.090
41.5	837.352	916.418	1097.895	1270.084	1330.325
42.0	832.834	912.026	1094.004	1265.064	1326.560
42.5	828.065	907.633	1089.863	1261.299	1321.540
43.0	823.170	902.990	1085.345	1256.279	1316.520
43.5	818.150	898.095	1080.576	1251.133	1311.500
44.0	812.879	893.075	1075.430	1245.360	1305.225
44.5	807.482	887.929	1070.159	1239.462	1298.950
45.0	802.086	882.533	1064.260	1232.936	1292.675
45.5	796.438	876.885	1058.487	1225.907	1285.145
46.0	790.665	871.112	1051.961	1218.879	1277.614
46.5	784.892	865.088	1045.560	1211.600	1270.084
47.0	778.742	858.938	1038.658	1203.693	1261.299
47.5	772.593	852.412	1031.504	1195.536	1252.765
48.0	766.318	845.886	1024.225	1186.876	1243.980
48.5	759.792	838.984	1016.569	1177.965	1234.818
49.0	753.265	831.955	1008.914	1168.804	1224.903
49.5	746.363	824.802	1000.505	1159.140	1215.240
50.0	739.586	817.397	992.096	1149.225	1204.572
50.5	732.432	809.867	983.437	1139.185	1193.904
51.0	725.278	802.211	974.526	1128.769	1182.735
51.5	717.999	794.305	966.619	1117.850	1171.063
52.0	710.595	786.147	960.470	1106.555	1159.140
52.5	702.939	777.864	950.681	1095.259	1146.966
53.0	695.283	769.455	945.284	1083.462	1134.416
53.5	687.502	760.921	934.742	1071.414	1121.364
54.0	679.470	752.136	924.074	1058.738	1108.186
54.5	671.438	743.351	913.281	1046.188	1094.381

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**CANDELA TABULATION - (Cont.)**

55.0	663.280	734.315	902.111	1033.136	1080.450
55.5	654.872	725.278	890.816	1019.707	1066.394
56.0	646.212	715.991	879.270	1006.153	1051.710
56.5	637.427	706.453	867.598	992.473	1037.277
57.0	628.767	696.664	855.675	981.931	1022.719
57.5	619.856	686.875	843.627	968.627	1007.784
58.0	610.695	676.834	831.202	953.944	992.222
58.5	601.658	666.669	818.527	939.009	981.805
59.0	592.497	656.252	805.725	924.953	966.243
59.5	583.586	645.710	792.673	913.532	950.304
60.0	574.424	635.042	779.621	897.844	934.114
60.5	565.263	624.374	766.192	882.282	918.050
61.0	556.101	613.832	752.763	866.469	906.253
61.5	546.688	603.165	738.958	850.530	889.435
62.0	536.899	592.371	725.278	834.465	872.367
62.5	526.734	581.453	711.473	818.150	855.048
63.0	516.568	570.408	697.417	801.709	837.854
63.5	506.277	559.239	683.486	785.268	820.033
64.0	495.860	547.943	669.430	768.702	802.337
64.5	485.443	536.523	655.374	752.261	784.766
65.0	474.901	525.102	641.317	735.821	767.322
65.5	464.233	513.556	627.135	719.129	749.626
66.0	453.566	501.884	612.703	702.688	731.930
66.5	442.772	490.087	598.144	686.122	714.360
67.0	431.979	478.164	583.586	669.304	696.664
67.5	420.935	466.116	568.902	652.236	678.717
68.0	409.891	453.942	554.219	634.917	660.645
68.5	398.721	441.517	539.158	617.221	642.196
69.0	387.426	429.218	523.721	599.399	623.621
69.5	376.131	416.793	508.285	581.453	604.796
70.0	364.710	404.243	492.597	563.380	586.096
70.5	353.289	391.567	476.909	545.057	567.145
71.0	341.743	378.892	461.221	526.859	548.194
71.5	330.197	366.090	445.282	508.661	529.244
72.0	318.525	353.164	429.344	490.338	510.293
72.5	306.728	340.111	413.279	472.015	491.593
73.0	294.931	327.185	397.466	453.942	472.768
73.5	283.259	314.258	381.653	435.995	453.942
74.0	271.462	301.582	366.090	418.048	435.242
74.5	260.041	288.907	350.528	400.353	416.542
75.0	248.495	276.231	335.091	382.531	397.968
75.5	237.074	263.555	319.780	364.835	379.143
76.0	225.528	250.879	304.469	347.265	360.819
76.5	214.107	238.329	289.534	329.946	342.496
77.0	202.812	225.904	274.599	312.752	324.424
77.5	191.642	213.605	259.915	295.684	306.602
78.0	180.472	201.431	245.232	278.741	289.032
78.5	169.303	189.383	230.548	262.049	271.587
79.0	158.384	177.335	216.115	245.608	254.268
79.5	147.591	165.663	201.682	229.293	237.325
80.0	137.049	153.991	187.752	213.229	220.884
80.5	126.632	142.696	173.821	197.666	204.694
81.0	116.341	131.401	160.141	182.355	188.756
81.5	106.175	120.357	146.838	167.295	173.193
82.0	96.135	109.564	133.660	152.485	158.008
82.5	87.099	98.896	120.859	138.178	143.073

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83.0	77.937	88.605	108.434	124.373	128.765
83.5	68.901	78.690	96.511	111.070	114.835
84.0	59.990	69.152	85.091	98.017	101.280
84.5	51.456	59.990	74.172	85.593	88.354
85.0	43.424	51.079	63.755	73.795	75.929
85.5	35.643	42.671	53.966	62.626	64.257
86.0	28.364	34.764	44.930	52.334	53.339
86.5	21.461	27.611	36.521	42.922	43.424
87.0	15.186	20.959	28.991	34.388	34.137
87.5	9.789	15.186	22.339	26.356	25.602
88.0	5.146	10.166	15.939	19.202	18.449
88.5	1.255	6.024	10.793	13.931	14.182
89.0	0.000	3.514	7.530	10.417	10.417
89.5	0.000	1.632	5.522	8.158	7.028
90.0	0.000	2.887	6.150	8.785	7.154
90.5	0.000	5.899	7.907	7.781	7.405
91.0	1.255	11.170	14.558	14.182	13.931
91.5	4.267	17.445	22.214	23.343	22.214
92.0	7.781	24.096	29.995	32.129	31.501
92.5	12.048	31.627	38.278	40.412	39.659
93.0	16.943	45.055	45.934	49.448	48.695
93.5	22.465	72.540	53.213	57.857	57.731
94.0	28.364	103.288	61.496	65.889	65.889
94.5	34.764	139.559	70.783	74.172	74.172
95.0	41.792	188.756	81.577	83.585	83.208
95.5	49.197	234.815	95.005	94.127	93.248
96.0	57.104	270.332	124.373	105.924	104.543
96.5	65.638	312.250	186.999	118.851	116.843
97.0	74.674	358.937	265.814	132.656	130.271
97.5	84.087	397.215	349.022	151.732	144.453
98.0	92.997	429.218	455.197	199.172	160.016
98.5	103.037	459.841	583.963	286.145	195.533
99.0	113.454	498.621	711.975	383.410	273.595
99.5	124.498	539.158	800.454	482.682	377.637
100.0	135.794	571.538	873.748	610.569	478.666
100.5	147.214	604.671	938.632	777.738	592.371
101.0	159.012	633.913	999.501	966.870	746.990
101.5	171.060	666.041	1066.017	1145.837	941.393
102.0	183.485	696.915	1120.360	1268.829	1161.776
102.5	196.160	723.772	1176.710	1367.976	1350.406
103.0	209.212	751.257	1242.097	1459.593	1475.908
103.5	222.390	779.244	1301.460	1534.894	1582.585
104.0	235.693	807.733	1342.876	1597.645	1677.967
104.5	249.122	839.235	1371.741	1665.417	1750.758
105.0	262.928	872.618	1408.137	1735.698	1808.490
105.5	276.607	903.366	1455.828	1794.684	1871.241
106.0	290.413	933.236	1506.029	1851.160	1941.522
106.5	304.343	962.603	1554.975	1913.912	2004.273
107.0	318.400	990.214	1596.390	1977.918	2058.239
107.5	332.205	1016.193	1630.276	2028.119	2114.715
108.0	345.759	1041.921	1656.632	2065.769	2178.722
108.5	359.439	1065.390	1684.242	2095.890	2237.708
109.0	373.119	1087.604	1715.618	2127.266	2284.144
109.5	386.924	1109.316	1754.523	2164.916	2320.539
110.0	400.353	1130.902	1793.429	2206.332	2350.660
110.5	413.530	1152.488	1827.315	2246.493	2382.035

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : SDI5-8-L16-835-DMA-70U-30D-DIM-UNV\_.IES****CANDELA TABULATION - (Cont.)**

111.0	426.457	1173.698	1852.415	2286.654	2415.921
111.5	439.384	1194.657	1876.261	2323.049	2453.572
112.0	452.436	1214.361	1900.106	2356.935	2489.968
112.5	465.739	1233.438	1923.952	2383.290	2525.108
113.0	479.043	1251.886	1947.797	2404.626	2556.484
113.5	492.220	1268.829	1970.388	2425.961	2585.349
114.0	505.147	1285.145	1992.978	2447.297	2607.940
114.5	517.823	1301.460	2013.058	2473.652	2628.020
115.0	530.499	1317.775	2036.904	2503.773	2644.335
115.5	543.174	1332.835	2062.004	2532.638	2661.906
116.0	555.474	1347.896	2085.850	2555.229	2681.986
116.5	567.396	1361.701	2109.695	2572.799	2708.342
117.0	579.068	1375.506	2132.286	2587.859	2734.697
117.5	590.614	1386.801	2152.366	2604.175	2758.543
118.0	602.286	1398.097	2172.446	2619.235	2774.858
118.5	613.707	1409.392	2190.017	2635.550	2786.153
119.0	624.876	1419.432	2206.332	2650.611	2798.703
119.5	635.795	1428.217	2221.392	2664.416	2811.254
120.0	646.212	1437.002	2232.688	2678.221	2825.059
120.5	656.252	1443.278	2243.983	2689.516	2836.354
121.0	665.916	1450.808	2252.768	2700.812	2847.649
121.5	675.328	1457.083	2261.553	2713.362	2856.435
122.0	684.616	1463.358	2267.828	2724.657	2865.220
122.5	693.903	1468.378	2272.848	2735.952	2872.750
123.0	703.064	1473.398	2276.613	2745.992	2880.280
123.5	711.975	1479.673	2280.379	2753.523	2887.810
124.0	720.635	1483.438	2282.889	2761.053	2896.595
124.5	729.043	1487.203	2285.399	2767.328	2904.125
125.0	737.452	1489.713	2286.654	2772.348	2910.401
125.5	745.735	1492.223	2287.909	2776.113	2916.676
126.0	753.893	1494.734	2289.164	2778.623	2921.696
126.5	762.051	1494.734	2290.419	2781.133	2924.206
127.0	769.957	1495.989	2290.419	2781.133	2926.716
127.5	777.613	1495.989	2290.419	2779.878	2927.971
128.0	784.892	1495.989	2290.419	2778.623	2926.716
128.5	791.920	1494.734	2289.164	2776.113	2926.716
129.0	798.823	1493.479	2287.909	2772.348	2924.206
129.5	805.474	1492.223	2285.399	2768.583	2920.441
130.0	812.000	1490.968	2282.889	2763.563	2915.421
130.5	818.150	1490.968	2279.124	2757.288	2910.401
131.0	824.174	1488.458	2275.358	2751.013	2904.125
131.5	830.073	1487.203	2269.083	2743.482	2896.595
132.0	835.846	1484.693	2264.063	2737.207	2889.065
132.5	841.368	1483.438	2257.788	2728.422	2880.280
133.0	846.639	1482.183	2250.258	2719.637	2871.495
133.5	851.910	1479.673	2242.728	2710.852	2861.455
134.0	856.930	1477.163	2233.943	2700.812	2851.414
134.5	861.825	1474.653	2225.157	2690.771	2840.119
135.0	866.469	1472.143	2216.372	2679.476	2828.824
135.5	870.861	1469.633	2207.587	2668.181	2816.274
136.0	875.003	1465.868	2197.547	2656.886	2803.724
136.5	879.144	1460.848	2186.252	2644.335	2791.173
137.0	883.160	1457.083	2176.212	2631.785	2777.368
137.5	887.051	1452.063	2166.171	2619.235	2763.563
138.0	890.816	1447.043	2154.876	2605.430	2748.502
138.5	894.456	1442.023	2143.581	2591.624	2733.442

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : SDI5-8-L16-835-DMA-70U-30D-DIM-UNV\_.IES**

**CANDELA TABULATION - (Cont.)**

139.0	897.844	1435.747	2131.031	2577.819	2718.382
139.5	901.107	1429.472	2118.480	2562.759	2702.067
140.0	904.245	1423.197	2105.930	2547.699	2684.496
140.5	907.131	1416.922	2093.380	2531.383	2668.181
141.0	910.018	1410.647	2079.575	2515.068	2650.611
141.5	912.653	1403.117	2065.769	2497.498	2631.785
142.0	915.038	1394.332	2051.964	2479.927	2614.215
142.5	917.423	1386.801	2038.159	2462.357	2595.390
143.0	919.682	1379.271	2023.099	2444.787	2576.564
143.5	921.815	1370.486	2009.293	2425.961	2557.739
144.0	923.823	1361.701	1992.978	2407.136	2538.913
144.5	925.706	1354.171	1976.663	2388.311	2518.833
145.0	927.588	1345.386	1961.602	2368.230	2498.753
145.5	929.471	1337.856	1945.287	2348.150	2479.927
146.0	931.228	1329.070	1927.717	2329.324	2459.847
146.5	932.734	1320.285	1911.401	2307.989	2438.512
147.0	934.240	1311.500	1895.086	2287.909	2417.176
147.5	935.746	1302.715	1878.771	2266.573	2394.586
148.0	937.252	1293.930	1861.201	2246.493	2373.250
148.5	938.507	1285.145	1844.885	2223.902	2349.405
149.0	939.887	1276.359	1828.570	2202.567	2326.814
149.5	941.142	1267.574	1811.000	2181.232	2302.969
150.0	942.146	1257.534	1793.429	2158.641	2279.124
150.5	943.276	1249.251	1775.859	2136.051	2255.278
151.0	944.280	1240.089	1759.544	2113.460	2230.178
151.5	945.284	1231.179	1741.973	2090.870	2206.332
152.0	946.288	1222.393	1723.148	2067.024	2181.232
152.5	947.292	1213.483	1705.578	2044.434	2154.876
153.0	948.422	1205.074	1688.007	2020.589	2128.521
153.5	949.551	1196.289	1669.182	1996.743	2102.165
154.0	950.681	1187.755	1651.612	1972.898	2075.810
154.5	951.810	1179.221	1632.786	1947.797	2049.454
155.0	952.814	1170.937	1613.961	1923.952	2021.844
155.5	953.818	1162.529	1595.135	1898.851	1995.488
156.0	954.697	1154.497	1576.310	1873.751	1967.878
156.5	955.575	1146.966	1557.485	1848.650	1940.267
157.0	956.579	1139.311	1537.404	1823.550	1913.912
157.5	957.709	1132.157	1517.324	1797.194	1886.301
158.0	958.587	1124.878	1497.244	1772.094	1858.690
158.5	959.466	1117.850	1477.163	1746.993	1832.335
159.0	960.470	1110.947	1458.338	1720.638	1804.724
159.5	961.223	1104.170	1438.257	1695.537	1777.114
160.0	962.227	1097.769	1418.177	1669.182	1748.248
160.5	963.105	1091.243	1398.097	1642.826	1720.638
161.0	964.109	1084.968	1378.016	1616.471	1693.027
161.5	964.988	1078.568	1359.191	1590.115	1665.417
162.0	965.741	1072.543	1339.111	1563.760	1637.806
162.5	966.619	1066.770	1319.030	1537.404	1608.941
163.0	967.372	1061.248	1300.205	1511.049	1580.075
163.5	968.125	1055.601	1280.124	1484.693	1551.210
164.0	968.878	1050.204	1261.299	1457.083	1522.344
164.5	969.632	1045.184	1242.850	1430.727	1493.479
165.0	970.385	1040.540	1224.527	1404.372	1465.868
165.5	971.138	1035.897	1206.706	1378.016	1437.002
166.0	971.891	1031.504	1189.763	1351.661	1408.137
166.5	972.769	1027.237	1172.820	1326.560	1380.526

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : SDI5-8-L16-835-DMA-70U-30D-DIM-UNV\_.IES****CANDELA TABULATION - (Cont.)**

167.0	973.397	1023.221	1156.756	1300.205	1351.661
167.5	974.150	1019.205	1141.695	1275.104	1324.050
168.0	974.777	1015.189	1127.137	1250.506	1296.440
168.5	975.405	1011.298	1113.457	1226.409	1268.829
169.0	976.032	1007.784	1100.531	1202.815	1242.223
169.5	976.660	1004.521	1087.729	1180.601	1216.495
170.0	977.162	1001.258	1075.681	1159.391	1191.645
170.5	977.664	998.497	1064.135	1139.562	1168.427
171.0	978.040	995.485	1053.467	1121.489	1146.339
171.5	978.417	992.598	1043.427	1104.421	1125.631
172.0	978.542	990.088	1034.391	1088.231	1107.433
172.5	978.668	987.704	1026.108	1072.794	1089.612
173.0	978.793	985.445	1018.326	1058.864	1072.920
173.5	978.919	983.437	1011.047	1045.937	1057.860
174.0	979.044	981.303	1004.145	1033.763	1043.678
174.5	979.044	979.421	997.995	1023.598	1031.002
175.0	979.044	977.789	992.222	1014.059	1019.456
175.5	979.044	976.158	987.327	1005.400	1009.165
176.0	978.919	974.777	982.935	997.493	1000.129
176.5	978.793	973.648	978.793	990.716	991.971
177.0	978.542	972.518	975.405	984.692	984.943
177.5	978.417	971.514	972.393	979.672	979.295
178.0	978.291	970.761	970.134	976.032	974.652
178.5	978.291	970.385	968.376	972.644	971.012
179.0	978.166	970.008	966.996	970.636	968.502
179.5	978.166	969.632	966.368	969.381	966.996
180.0	969.255	969.255	969.255	969.255	969.255



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : SDI5-8-L16-835-DMA-70U-30D-DIM-UNV\_.IES**

**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	365.12	N.A.	2.70
0-30	862.04	N.A.	6.50
0-40	1561.93	N.A.	11.70
0-60	3164.43	N.A.	23.80
0-80	4135.78	N.A.	31.10
0-90	4214.35	N.A.	31.70
10-90	4127.19	N.A.	31.00
20-40	1196.81	N.A.	9.00
20-50	2010.19	N.A.	15.10
40-70	2225.19	N.A.	16.70
60-80	971.35	N.A.	7.30
70-80	348.66	N.A.	2.60
80-90	78.57	N.A.	0.60
90-110	1465.44	N.A.	11.00
90-120	3300.59	N.A.	24.80
90-130	5167.98	N.A.	38.90
90-150	7916.75	N.A.	59.50
90-180	9087.58	N.A.	68.30
110-180	7622.15	N.A.	57.30
0-180	13301.93	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	87.16
10-20	277.96
20-30	496.92
30-40	699.89
40-50	813.37
50-60	789.13
60-70	622.69
70-80	348.66
80-90	78.57
90-100	179.53
100-110	1285.91
110-120	1835.16
120-130	1867.39
130-140	1587.08
140-150	1161.69
150-160	721.01
160-170	352.11
170-180	97.71

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : SDI5-8-L16-835-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 : SDI5-8-L16-835-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	10.1	10.8	11.2	11.9	13.4	UGR Viewed Endwise				
	3H	11.5	12.2	12.6	13.3	14.8	13.6	14.3	14.7	15.4	16.9
	4H	11.9	12.6	13.0	13.7	15.2	15.4	16.1	16.5	17.2	18.7
	6H	12.1	12.7	13.2	13.8	15.4	16.1	16.7	17.2	17.8	19.3
	8H	12.1	12.7	13.3	13.8	15.4	16.4	17.0	17.6	18.1	19.7
	12H	12.1	12.6	13.2	13.8	15.3	16.5	17.1	17.7	18.2	19.7

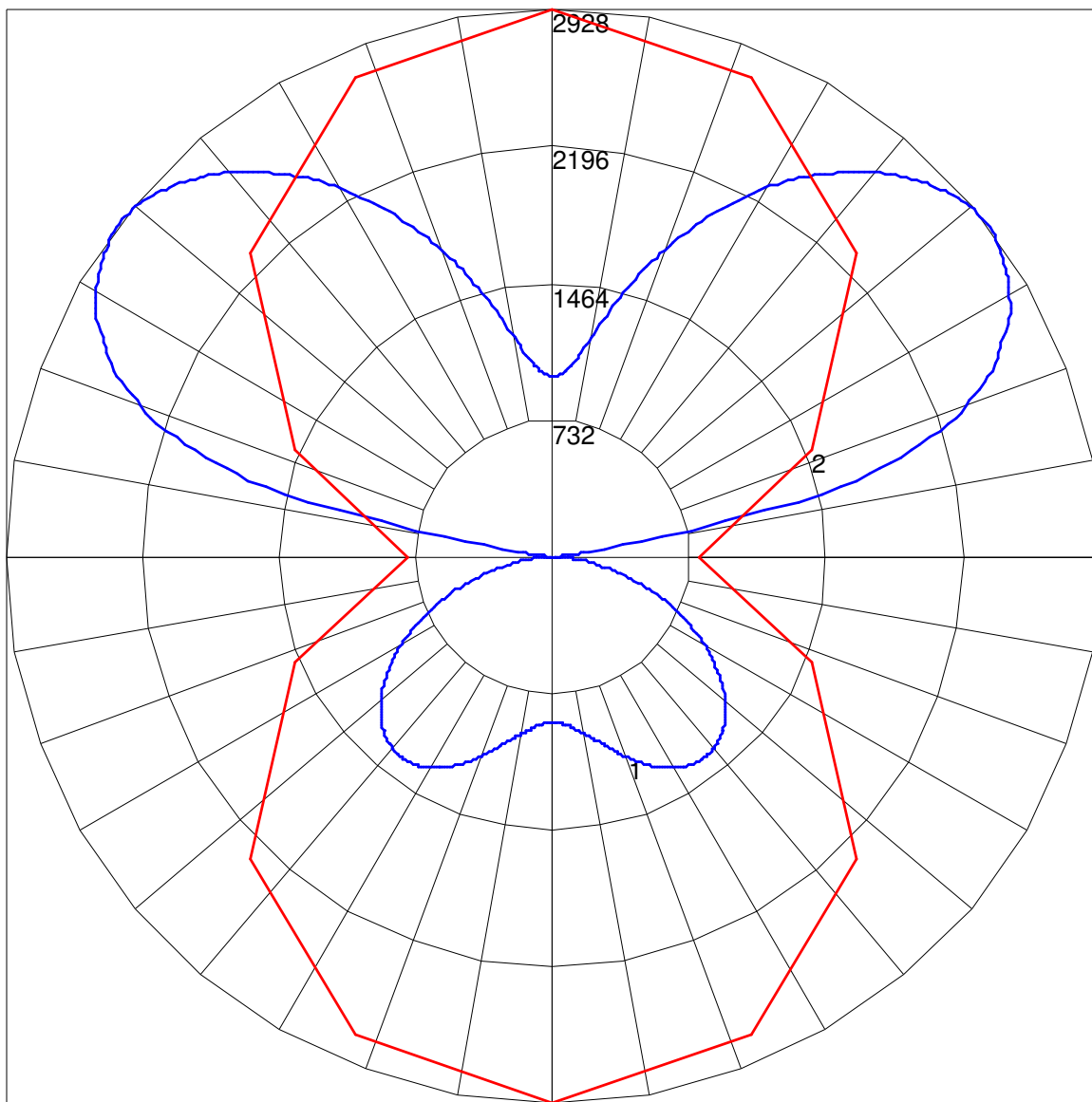
4H	2H	11.0	11.7	12.1	12.8	14.3	16.6	17.1	17.7	18.2	19.7
	3H	12.6	13.1	13.7	14.3	15.8	17.0	17.5	18.2	18.6	20.2
	4H	13.1	13.6	14.2	14.7	16.3	17.2	17.6	18.3	18.7	20.3
	6H	13.3	13.8	14.5	14.9	16.5	17.2	17.6	18.3	18.7	20.3
	8H	13.4	13.8	14.5	14.9	16.5	17.2	17.6	18.3	18.7	20.3
	12H	13.3	13.7	14.5	14.8	16.4	17.2	17.6	18.3	18.7	20.3

8H	4H	13.5	13.8	14.6	15.0	16.5	16.6	17.0	17.7	18.1	19.7
	6H	13.8	14.1	14.9	15.3	16.8	17.1	17.5	18.3	18.6	20.2
	8H	13.8	14.1	15.0	15.3	16.9	17.3	17.6	18.5	18.7	20.3
	12H	13.8	14.1	15.0	15.2	16.9	17.4	17.6	18.5	18.8	20.4

12H	4H	13.4	13.8	14.6	15.0	16.5	16.5	16.9	17.7	18.0	19.6
	6H	13.8	14.1	15.0	15.3	16.9	17.1	17.4	18.3	18.6	20.1
	8H	13.9	14.1	15.1	15.3	16.9	17.3	17.5	18.4	18.7	20.3

Maximum UGR = 20.4

POLAR GRAPH



Maximum Candela = 2927.971 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.)