



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : SDI5-4-L16-835-DMA-30U-70D-DIM-UNV\_.IES

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] GEN FROM 12731921.05

[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-L16-835-DMA-30U-70D-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	6185
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	134
Total Luminaire Watts	46
Ballast Factor	1.00
CIE Type	Semi-Direct
Spacing Criterion (0-180)	1.34
Spacing Criterion (90-270)	1.54
Spacing Criterion (Diagonal)	1.54
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	9206	8362	8701
55	8752	7476	7635
65	7943	6075	6039
75	6363	3991	3816
85	2844	1133	1024

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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	1280.434	1280.434	1280.434	1280.434	1280.434
0.5	1311.818	1287.339	1272.275	1270.392	1271.647
1.0	1311.818	1287.339	1272.275	1270.392	1271.647
1.5	1311.818	1287.339	1272.275	1271.019	1271.647
2.0	1311.818	1286.711	1272.275	1271.019	1272.275
2.5	1311.190	1286.711	1272.275	1271.647	1272.902
3.0	1311.190	1286.711	1272.275	1272.275	1273.530
3.5	1310.562	1286.083	1272.902	1272.902	1274.158
4.0	1309.935	1285.456	1272.902	1273.530	1275.413
4.5	1309.307	1285.456	1272.902	1274.158	1276.668
5.0	1308.679	1284.828	1272.902	1275.413	1277.924
5.5	1308.052	1284.200	1273.530	1276.041	1279.179
6.0	1306.796	1283.573	1273.530	1277.296	1280.434
6.5	1306.169	1282.945	1274.158	1278.551	1281.690
7.0	1304.913	1282.317	1274.158	1279.807	1283.573
7.5	1303.658	1281.690	1274.785	1281.062	1285.456
8.0	1302.403	1281.062	1274.785	1282.317	1286.711
8.5	1301.147	1279.807	1275.413	1283.573	1288.594
9.0	1299.264	1279.179	1276.041	1285.456	1290.477
9.5	1298.009	1277.924	1276.041	1286.711	1292.360
10.0	1296.126	1277.296	1276.668	1287.966	1294.243
10.5	1294.243	1276.041	1277.296	1289.849	1296.754
11.0	1291.732	1274.785	1277.296	1291.732	1298.637
11.5	1289.849	1273.530	1277.924	1293.615	1300.520
12.0	1287.966	1272.275	1277.924	1294.871	1303.030
12.5	1285.456	1270.392	1277.924	1296.754	1304.913
13.0	1282.945	1269.136	1278.551	1298.009	1307.424
13.5	1280.434	1267.253	1278.551	1299.892	1309.935
14.0	1277.924	1265.370	1278.551	1301.775	1312.445
14.5	1275.413	1263.487	1277.924	1303.030	1314.956
15.0	1272.902	1261.604	1277.924	1304.913	1316.839
15.5	1269.764	1259.721	1277.924	1306.169	1319.350
16.0	1267.253	1257.211	1277.296	1307.424	1321.860
16.5	1264.115	1255.328	1276.668	1308.679	1324.371
17.0	1261.604	1252.817	1276.041	1309.935	1326.254
17.5	1258.466	1250.307	1275.413	1311.190	1328.137
18.0	1255.328	1247.796	1274.785	1312.445	1330.020
18.5	1251.562	1244.658	1274.158	1313.701	1331.275
19.0	1248.424	1242.147	1272.902	1314.328	1333.158
19.5	1245.285	1239.009	1271.647	1315.584	1334.413
20.0	1241.519	1236.498	1270.392	1315.584	1335.669
20.5	1237.753	1233.360	1269.136	1316.211	1336.296
21.0	1233.987	1230.221	1267.881	1316.839	1337.552
21.5	1230.221	1227.711	1266.626	1316.839	1338.179
22.0	1226.455	1224.572	1265.370	1316.839	1338.807
22.5	1222.062	1221.434	1264.115	1316.839	1339.435
23.0	1218.296	1218.296	1262.860	1316.839	1340.062
23.5	1213.902	1214.530	1261.604	1316.839	1340.690
24.0	1209.508	1211.391	1260.349	1316.839	1340.690
24.5	1205.742	1207.625	1258.466	1316.839	1341.318
25.0	1200.721	1204.487	1257.211	1316.211	1341.318
25.5	1196.327	1200.721	1255.328	1315.584	1341.318
26.0	1191.934	1196.955	1253.445	1315.584	1340.690
26.5	1187.540	1193.817	1251.562	1314.328	1340.690

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : SDI5-4-L16-835-DMA-30U-70D-DIM-UNV\_.IES****CANDELA TABULATION - (Cont.)**

27.0	1182.519	1189.423	1249.051	1313.701	1340.062
27.5	1178.125	1185.657	1246.541	1312.445	1339.435
28.0	1173.104	1181.891	1244.030	1311.190	1338.807
28.5	1168.083	1177.497	1241.519	1309.935	1337.552
29.0	1163.061	1173.732	1239.009	1308.052	1336.296
29.5	1158.040	1169.338	1235.870	1306.169	1335.041
30.0	1152.391	1164.944	1232.732	1304.286	1333.158
30.5	1147.370	1160.551	1229.594	1302.403	1331.275
31.0	1142.348	1155.529	1226.455	1299.892	1329.392
31.5	1136.699	1151.136	1223.317	1298.009	1327.509
32.0	1131.678	1146.114	1219.551	1295.498	1324.999
32.5	1126.029	1141.093	1215.785	1292.988	1322.488
33.0	1119.752	1136.072	1212.019	1289.849	1319.977
33.5	1114.103	1131.050	1208.253	1287.339	1317.467
34.0	1107.827	1125.401	1204.487	1284.200	1314.328
34.5	1101.550	1119.752	1200.093	1280.434	1311.190
35.0	1095.274	1114.103	1195.700	1276.668	1308.052
35.5	1088.369	1108.454	1190.678	1272.902	1304.286
36.0	1082.093	1102.805	1186.285	1269.136	1300.520
36.5	1075.188	1096.529	1180.636	1264.115	1296.126
37.0	1067.656	1090.252	1175.615	1259.721	1291.732
37.5	1060.752	1083.976	1169.966	1254.072	1286.711
38.0	1053.220	1077.699	1164.317	1249.051	1281.062
38.5	1046.316	1070.795	1158.040	1242.775	1275.413
39.0	1038.784	1063.890	1151.763	1237.126	1269.136
39.5	1031.252	1056.358	1144.859	1230.221	1262.860
40.0	1023.720	1049.454	1138.582	1223.945	1255.328
40.5	1016.188	1041.922	1131.050	1216.413	1248.424
41.0	1008.028	1034.390	1124.146	1208.881	1240.892
41.5	999.869	1026.858	1116.614	1201.349	1232.732
42.0	991.709	1018.699	1109.082	1193.189	1224.572
42.5	982.922	1010.539	1100.922	1185.029	1215.785
43.0	974.762	1002.379	1092.763	1176.242	1206.998
43.5	965.975	994.220	1083.976	1167.455	1197.583
44.0	957.187	985.432	1075.188	1158.668	1188.795
44.5	948.400	976.645	1066.401	1149.253	1178.753
45.0	938.985	967.858	1057.614	1139.838	1169.338
45.5	929.570	959.070	1048.199	1129.795	1159.295
46.0	920.155	949.655	1038.784	1119.752	1149.253
46.5	910.113	940.241	1029.369	1109.710	1138.582
47.0	900.698	930.826	1019.326	1099.040	1127.912
47.5	890.655	920.783	1009.284	1088.369	1116.614
48.0	880.612	911.368	999.241	1077.071	1105.944
48.5	871.198	901.325	988.571	1066.401	1094.018
49.0	860.527	891.283	978.528	1055.103	1082.720
49.5	850.485	881.240	967.230	1043.177	1070.795
50.0	840.442	870.570	956.560	1031.879	1058.869
50.5	830.399	860.527	945.890	1019.954	1046.316
51.0	819.729	849.857	934.592	1008.028	1033.762
51.5	809.686	839.187	923.294	996.103	1021.209
52.0	799.644	829.144	911.996	983.549	1008.028
52.5	789.601	818.474	900.070	970.996	995.475
53.0	778.931	807.176	888.144	958.443	982.294
53.5	768.261	796.506	876.846	945.890	968.485
54.0	757.590	785.835	864.921	932.709	955.304
54.5	746.920	774.537	852.368	919.528	941.496

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55.0	735.622	763.239	840.442	906.347	928.315
55.5	724.952	751.941	827.889	893.166	914.506
56.0	714.282	741.271	815.963	879.985	900.698
56.5	702.984	729.345	803.410	866.176	886.261
57.0	691.686	718.048	790.857	852.368	872.453
57.5	680.388	706.750	777.676	838.559	858.644
58.0	668.462	694.824	765.122	824.750	844.836
58.5	657.164	683.526	751.941	810.942	830.399
59.0	645.866	671.600	739.388	796.506	815.963
59.5	633.941	659.675	726.207	782.697	801.527
60.0	622.643	647.749	713.026	768.261	787.091
60.5	610.905	635.824	699.845	753.824	772.027
61.0	599.419	623.835	686.037	739.388	756.963
61.5	587.493	611.658	672.856	724.952	741.899
62.0	575.693	599.419	659.675	710.516	726.835
62.5	563.768	587.242	645.866	696.079	711.771
63.0	552.030	575.003	632.058	681.015	696.707
63.5	540.293	562.575	618.312	666.579	681.015
64.0	528.493	550.147	604.440	651.515	665.951
64.5	516.818	537.782	590.632	636.451	650.260
65.0	504.830	525.166	576.760	621.387	634.568
65.5	492.904	512.676	562.826	606.386	619.379
66.0	480.979	500.248	548.955	591.259	603.750
66.5	469.053	487.695	535.083	576.133	588.247
67.0	457.002	475.204	520.961	560.880	572.681
67.5	444.888	462.651	506.964	545.754	557.177
68.0	432.837	450.161	493.030	530.439	541.674
68.5	420.723	437.482	478.970	515.124	526.108
69.0	408.609	424.866	465.099	499.997	510.856
69.5	396.307	412.124	450.977	484.745	495.603
70.0	383.942	399.445	437.042	469.555	480.037
70.5	371.640	386.829	422.983	454.303	464.660
71.0	359.463	374.025	408.860	439.176	449.094
71.5	347.161	361.283	394.863	423.987	433.653
72.0	334.859	348.479	380.804	408.860	418.150
72.5	322.556	335.737	366.807	393.734	402.709
73.0	310.254	322.996	352.810	378.670	387.269
73.5	298.015	310.317	338.813	363.731	371.828
74.0	285.901	297.638	324.942	348.793	356.262
74.5	273.787	285.022	311.259	333.980	341.073
75.0	261.736	272.594	297.638	319.167	325.820
75.5	249.622	260.041	283.892	304.605	310.756
76.0	238.010	247.613	270.335	290.106	295.692
76.5	226.398	235.311	256.903	275.607	280.691
77.0	214.849	223.135	243.471	261.296	265.941
77.5	203.426	211.146	230.415	247.111	251.568
78.0	191.940	199.283	217.360	233.114	237.257
78.5	180.579	187.483	204.430	219.431	223.323
79.0	169.469	175.934	191.751	205.811	209.389
79.5	158.485	164.448	179.198	192.442	195.706
80.0	147.501	153.213	166.833	179.135	182.274
80.5	136.831	142.166	154.719	166.205	169.155
81.0	126.035	131.182	142.731	153.464	156.163
81.5	115.616	120.449	131.056	140.973	143.484
82.0	105.322	110.029	119.696	128.797	131.119
82.5	95.279	99.736	108.649	116.934	119.068

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83.0	85.362	89.819	97.916	105.510	107.331
83.5	75.822	80.153	87.496	94.275	95.970
84.0	66.721	70.863	77.454	83.605	85.048
84.5	57.996	61.888	67.913	73.437	74.566
85.0	49.648	53.351	58.875	63.708	64.649
85.5	41.865	45.255	50.339	54.544	55.234
86.0	34.208	37.660	42.367	46.008	46.447
86.5	27.303	30.693	35.024	38.162	38.413
87.0	21.152	24.228	28.245	31.069	31.195
87.5	15.692	18.642	22.219	24.855	24.793
88.0	11.047	13.809	17.135	19.395	19.144
88.5	7.406	9.980	12.616	14.060	13.432
89.0	4.645	6.779	8.348	9.227	8.411
89.5	2.950	4.143	5.021	5.586	4.896
90.0	2.322	3.327	4.080	4.519	4.205
90.5	4.896	7.971	7.469	6.088	4.519
91.0	6.088	11.863	10.796	9.415	7.909
91.5	7.532	16.759	14.687	12.804	11.172
92.0	9.289	22.345	19.458	16.508	14.750
92.5	11.361	27.806	25.985	21.090	18.830
93.0	13.620	32.639	33.894	27.115	24.040
93.5	16.256	37.848	42.807	34.898	30.944
94.0	19.207	43.183	52.787	44.313	39.417
94.5	22.408	47.012	62.829	55.548	49.648
95.0	25.797	51.343	72.370	68.102	61.825
95.5	29.375	56.176	81.157	80.969	75.194
96.0	33.078	61.009	89.881	94.024	89.003
96.5	36.907	65.905	99.296	106.703	102.874
97.0	40.735	70.863	110.343	119.319	116.557
97.5	44.815	75.822	121.830	131.872	130.429
98.0	48.895	80.969	133.002	144.677	144.237
98.5	52.975	86.178	143.045	157.669	158.234
99.0	57.368	91.262	152.397	171.227	172.419
99.5	61.699	96.535	162.628	185.161	186.856
100.0	66.030	101.933	172.482	200.099	201.606
100.5	70.487	107.268	182.901	216.356	216.670
101.0	75.006	112.603	194.199	232.361	231.985
101.5	79.651	118.001	205.183	247.362	247.551
102.0	84.170	123.461	216.293	260.794	263.179
102.5	88.752	128.985	227.089	274.226	279.248
103.0	93.396	134.508	237.508	288.035	295.316
103.5	98.104	139.781	247.613	301.844	311.572
104.0	102.749	145.116	257.405	316.154	327.578
104.5	107.393	150.514	267.008	331.155	343.834
105.0	112.101	155.912	276.674	346.973	359.902
105.5	116.745	161.059	286.529	362.790	375.971
106.0	121.327	165.892	296.132	377.979	391.976
106.5	125.972	170.474	305.547	393.169	407.793
107.0	130.554	175.244	314.460	408.233	423.799
107.5	135.073	180.453	322.933	422.543	439.490
108.0	139.592	185.726	331.344	436.164	454.931
108.5	143.986	190.747	339.441	449.407	470.309
109.0	148.380	195.329	347.475	462.526	485.184
109.5	152.711	199.597	355.195	475.330	499.809
110.0	157.042	203.802	362.853	487.820	514.245
110.5	161.310	208.447	370.133	500.123	528.430

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111.0	165.515	213.406	377.038	511.985	542.427
111.5	169.658	218.239	383.565	523.534	555.922
112.0	173.737	222.883	389.591	534.707	569.103
112.5	177.754	227.152	395.177	545.440	582.033
113.0	181.709	231.106	400.324	555.608	594.272
113.5	185.537	234.621	405.283	565.462	606.386
114.0	189.366	237.759	409.927	574.815	618.249
114.5	193.132	240.709	414.321	583.727	629.547
115.0	196.773	243.722	418.401	592.075	639.590
115.5	200.413	246.923	422.041	599.921	649.632
116.0	203.928	250.187	425.242	607.077	659.675
116.5	207.317	253.639	428.067	613.730	668.462
117.0	210.644	256.966	430.201	619.693	676.622
117.5	213.908	260.229	431.770	624.965	684.154
118.0	217.046	263.305	433.088	629.547	691.058
118.5	219.996	266.129	434.594	633.941	697.962
119.0	222.883	268.766	435.975	637.707	703.611
119.5	225.708	271.151	437.356	640.217	708.633
120.0	228.470	273.285	438.612	642.728	712.399
120.5	231.106	275.105	439.490	643.983	716.165
121.0	233.617	276.800	440.055	645.238	719.303
121.5	236.127	278.306	440.181	645.238	721.186
122.0	238.512	279.813	439.992	645.238	722.441
122.5	240.772	281.382	439.365	644.611	723.696
123.0	242.969	282.888	438.486	643.356	723.696
123.5	245.103	284.269	437.231	641.473	723.069
124.0	247.111	285.713	435.599	638.962	721.813
124.5	248.994	286.968	433.716	635.824	719.931
125.0	250.814	288.286	431.582	632.058	717.420
125.5	252.509	289.416	429.385	628.292	714.282
126.0	254.141	290.483	427.000	624.086	710.516
126.5	255.648	291.550	424.615	619.442	706.122
127.0	257.091	292.491	422.104	614.357	700.473
127.5	258.346	293.433	419.531	608.771	694.824
128.0	259.602	294.186	416.894	602.934	689.175
128.5	260.669	294.814	414.070	596.657	682.271
129.0	261.736	295.316	411.183	590.067	674.739
129.5	262.677	295.692	408.170	583.351	667.207
130.0	263.556	295.881	405.094	576.195	658.419
130.5	264.309	296.006	402.019	568.789	650.260
131.0	265.000	296.006	398.818	561.132	640.845
131.5	265.690	295.755	395.554	553.474	631.430
132.0	266.129	295.441	392.227	545.628	622.140
132.5	266.569	295.065	388.963	537.720	612.349
133.0	266.883	294.563	385.637	529.748	602.495
133.5	267.134	294.061	382.373	521.589	592.515
134.0	267.322	293.496	378.983	513.617	582.535
134.5	267.448	292.868	375.594	505.646	572.304
135.0	267.510	292.240	372.205	497.549	562.199
135.5	267.385	291.487	368.815	489.641	552.093
136.0	267.259	290.734	365.551	481.669	541.925
136.5	267.071	289.918	362.225	473.949	532.008
137.0	266.757	289.102	358.961	466.166	521.965
137.5	266.381	288.223	355.697	458.571	511.923
138.0	266.004	287.219	352.433	451.039	502.382
138.5	265.502	286.215	349.169	443.633	492.528

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : SDI5-4-L16-835-DMA-30U-70D-DIM-UNV\_.IES**

**CANDELA TABULATION - (Cont.)**

139.0	264.937	285.148	345.968	436.415	483.050
139.5	264.309	284.018	342.830	429.259	473.823
140.0	263.619	282.825	339.629	422.292	464.848
140.5	262.803	281.570	336.491	415.451	455.872
141.0	262.050	280.252	333.415	408.672	447.148
141.5	261.108	278.871	330.340	402.082	438.674
142.0	260.229	277.427	327.327	395.679	430.452
142.5	259.288	275.921	324.251	389.465	422.481
143.0	258.284	274.415	321.301	383.314	414.760
143.5	257.342	272.846	318.351	377.414	407.166
144.0	256.275	271.276	315.401	371.640	399.759
144.5	255.208	269.644	312.451	366.054	392.604
145.0	254.078	267.950	309.564	360.530	385.699
145.5	252.949	266.255	306.739	355.195	378.921
146.0	251.756	264.498	303.852	349.985	372.393
146.5	250.501	262.803	301.090	344.901	365.991
147.0	249.183	261.045	298.266	340.006	359.840
147.5	247.990	259.351	295.504	335.173	353.940
148.0	246.672	257.468	292.742	330.528	348.228
148.5	245.291	255.648	290.043	325.946	342.642
149.0	243.910	253.827	287.345	321.552	337.118
149.5	242.529	252.007	284.708	317.159	331.783
150.0	241.148	250.250	282.009	312.953	326.636
150.5	239.705	248.492	279.310	308.873	321.678
151.0	238.387	246.735	276.674	304.794	316.845
151.5	236.943	245.040	274.038	300.839	312.074
152.0	235.562	243.283	271.402	296.948	307.493
152.5	234.244	241.462	268.766	293.182	303.036
153.0	232.989	239.642	266.192	289.479	298.768
153.5	231.671	237.759	263.556	285.838	294.625
154.0	230.353	236.002	261.045	282.260	290.483
154.5	229.035	234.056	258.472	278.808	286.529
155.0	227.654	232.298	255.899	275.419	282.574
155.5	226.336	230.604	253.388	272.030	278.871
156.0	224.892	228.846	250.814	268.766	275.168
156.5	223.511	227.152	248.304	265.439	271.527
157.0	222.067	225.457	245.730	262.301	267.950
157.5	220.687	223.825	243.157	259.162	264.498
158.0	219.306	222.130	240.709	256.024	261.045
158.5	217.988	220.436	238.136	253.074	257.844
159.0	216.670	218.804	235.688	250.061	254.518
159.5	215.351	217.172	233.240	247.174	251.254
160.0	214.033	215.540	230.855	244.287	248.116
160.5	212.778	213.971	228.407	241.462	244.977
161.0	211.586	212.401	226.022	238.701	242.027
161.5	210.267	210.832	223.637	236.002	239.077
162.0	209.012	209.326	221.314	233.114	236.190
162.5	207.820	207.757	219.055	230.353	233.303
163.0	206.564	206.313	216.795	227.654	230.478
163.5	205.434	204.870	214.536	224.955	227.591
164.0	204.242	203.426	212.339	222.319	224.829
164.5	203.112	201.982	210.016	219.745	222.005
165.0	201.982	200.601	207.694	217.234	219.369
165.5	200.852	199.283	205.497	214.724	216.732
166.0	199.785	197.965	203.614	212.213	214.159
166.5	198.718	196.710	201.794	209.828	211.648

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : SDI5-4-L16-835-DMA-30U-70D-DIM-UNV\_.IES****CANDELA TABULATION - (Cont.)**

167.0	197.714	195.455	200.036	207.443	209.138
167.5	196.710	194.199	198.279	205.121	206.815
168.0	195.768	193.007	196.584	202.861	204.430
168.5	194.764	191.814	194.952	200.350	202.171
169.0	193.760	190.622	193.383	198.279	199.848
169.5	192.818	189.492	191.940	196.459	197.338
170.0	191.940	188.425	190.496	194.701	195.455
170.5	190.998	187.420	189.178	193.007	193.760
171.0	190.182	186.416	187.797	191.375	192.065
171.5	189.429	185.475	186.604	189.868	190.496
172.0	188.613	184.596	185.412	188.362	188.990
172.5	187.985	183.717	184.282	187.044	187.546
173.0	187.232	182.964	183.278	185.726	186.165
173.5	186.604	182.211	182.211	184.470	184.784
174.0	185.977	181.458	181.332	183.341	183.529
174.5	185.412	180.830	180.453	182.274	182.274
175.0	184.910	180.265	179.637	181.207	181.018
175.5	184.470	179.763	178.884	180.265	179.888
176.0	184.031	179.261	178.194	179.324	178.821
176.5	183.654	178.821	177.566	178.508	177.817
177.0	183.403	178.445	177.001	177.817	176.813
177.5	183.090	178.131	176.562	177.127	175.997
178.0	182.901	177.880	176.185	176.625	175.432
178.5	182.713	177.692	175.871	176.185	175.055
179.0	182.587	177.503	175.620	175.871	174.804
179.5	182.525	177.441	175.495	175.683	174.679
180.0	176.750	176.750	176.750	176.750	176.750



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : SDI5-4-L16-835-DMA-30U-70D-DIM-UNV\_.IES**

**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	486.19	N.A.	7.90
0-30	1069.02	N.A.	17.30
0-40	1817.62	N.A.	29.40
0-60	3375.71	N.A.	54.60
0-80	4255.73	N.A.	68.80
0-90	4328.63	N.A.	70.00
10-90	4206.2	N.A.	68.00
20-40	1331.43	N.A.	21.50
20-50	2143.66	N.A.	34.70
40-70	2124.75	N.A.	34.40
60-80	880.02	N.A.	14.20
70-80	313.37	N.A.	5.10
80-90	72.90	N.A.	1.20
90-110	337.55	N.A.	5.50
90-120	746.53	N.A.	12.10
90-130	1154.55	N.A.	18.70
90-150	1659.68	N.A.	26.80
90-180	1856.26	N.A.	30.00
110-180	1518.71	N.A.	24.60
0-180	6184.89	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	122.43
10-20	363.76
20-30	582.83
30-40	748.60
40-50	812.23
50-60	745.87
60-70	566.65
70-80	313.37
80-90	72.90
90-100	70.83
100-110	266.71
110-120	408.98
120-130	408.02
130-140	306.08
140-150	199.06
150-160	118.89
160-170	60.06
170-180	17.62

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : SDI5-4-L16-835-DMA-30U-70D-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	112	112	112	112	106	106	106	106	94	94	94	84	84	84	74	74	74	70
1	102	97	93	89	96	92	89	85	82	80	77	74	71	69	65	64	62	58
2	92	85	78	72	87	80	74	69	72	67	63	64	61	57	57	54	52	48
3	84	74	66	60	79	70	63	57	63	57	53	56	52	48	50	47	44	40
4	77	65	57	50	72	62	54	48	56	49	44	50	45	41	44	40	37	34
5	70	58	49	43	66	55	47	41	50	43	38	44	39	35	40	35	32	29
6	65	52	43	37	61	49	41	36	44	38	33	40	35	30	36	31	28	25
7	60	47	38	32	56	44	37	31	40	34	29	36	31	27	33	28	25	22
8	55	42	34	28	52	40	33	28	37	30	26	33	28	24	30	25	22	20
9	52	39	31	25	49	37	30	25	34	27	23	30	25	21	27	23	20	18
10	48	35	28	23	45	34	27	22	31	25	21	28	23	19	25	21	18	16

# IES INDOOR REPORT

PHOTOMETRIC FILENAME : SDI5-4-L16-835-DMA-30U-70D-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

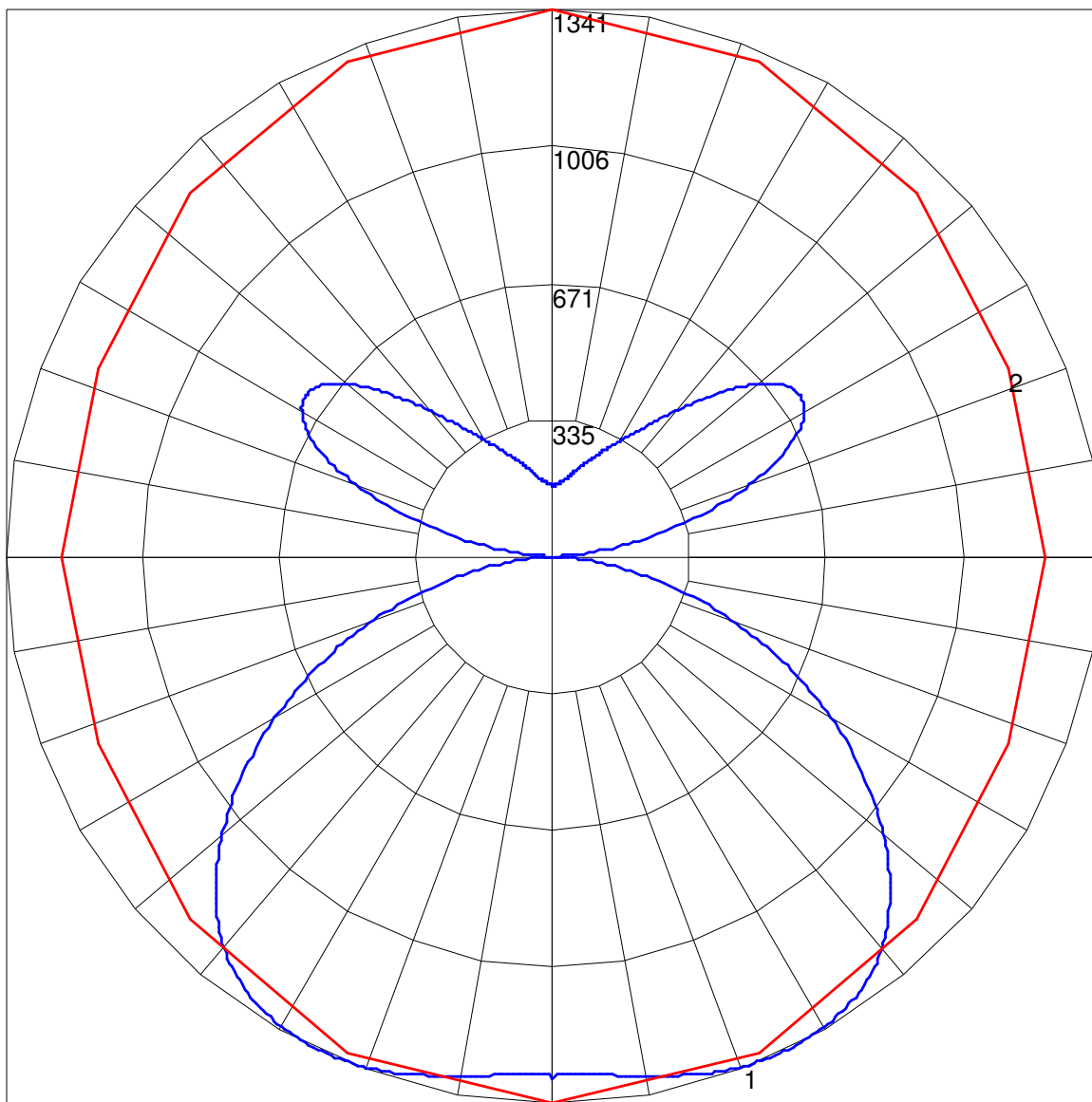
X=2H	Y=2H	16.1	17.2	16.9	18.0	19.0	18.2	19.3	19.0	20.1	21.1
	3H	17.6	18.6	18.3	19.4	20.4	19.9	20.9	20.7	21.7	22.7
	4H	18.0	19.0	18.8	19.8	20.7	20.5	21.5	21.3	22.3	23.3
	6H	18.2	19.1	19.0	19.9	20.9	20.9	21.8	21.7	22.6	23.6
	8H	18.3	19.1	19.1	19.9	20.9	21.0	21.8	21.8	22.6	23.6
	12H	18.3	19.1	19.1	19.9	20.9	21.0	21.8	21.8	22.6	23.7

### UGR Viewed Endwise

4H	2H	16.8	17.8	17.6	18.6	19.6	18.5	19.5	19.3	20.3	21.3
	3H	18.5	19.3	19.3	20.1	21.1	20.4	21.2	21.2	22.1	23.1
	4H	19.0	19.7	19.8	20.5	21.6	21.1	21.8	22.0	22.7	23.7
	6H	19.3	19.9	20.1	20.8	21.8	21.6	22.2	22.4	23.1	24.1
	8H	19.3	19.9	20.2	20.8	21.8	21.7	22.3	22.5	23.1	24.2
	12H	19.3	19.9	20.2	20.7	21.8	21.8	22.3	22.6	23.2	24.2
8H	4H	19.2	19.8	20.1	20.7	21.7	21.2	21.8	22.0	22.6	23.7
	6H	19.6	20.1	20.5	21.0	22.1	21.7	22.2	22.6	23.1	24.2
	8H	19.7	20.1	20.6	21.0	22.1	21.9	22.3	22.8	23.2	24.3
	12H	19.7	20.1	20.6	21.0	22.1	22.0	22.4	22.9	23.2	24.4
12H	4H	19.3	19.8	20.1	20.7	21.7	21.2	21.7	22.0	22.6	23.6
	6H	19.7	20.1	20.6	21.0	22.1	21.7	22.2	22.6	23.0	24.1
	8H	19.8	20.1	20.7	21.0	22.2	21.9	22.3	22.8	23.2	24.3

Maximum UGR = 24.4

POLAR GRAPH



Maximum Candela = 1341.318 Located At Horizontal Angle = 90, Vertical Angle = 24.5  
# 1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (24.5) (Through Max. Cd.)