



IES INDOOR REPORT

PHOTOMETRIC FILENAME : SDI5-4-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] 4' SUSPENDED LED LUMINAIRE
[MORE] WITH FROSTED ACRYLIC LENS
[LUMCAT] SDI5-4-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	6651
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	145
Total Luminaire Watts	46
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	4422	4621	5242
55	4437	4376	4802
65	4201	3649	3902
75	3395	2393	2453
85	1397	637	618

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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	445.596	445.596	445.596	445.596	445.596
0.5	450.679	446.161	443.902	445.220	443.839
1.0	450.679	446.224	444.090	445.534	444.216
1.5	450.742	446.349	444.341	446.098	444.780
2.0	450.742	446.475	444.780	446.789	445.596
2.5	450.805	446.600	445.345	447.667	446.663
3.0	450.867	446.851	445.973	448.797	447.981
3.5	450.930	447.102	446.726	450.052	449.550
4.0	450.993	447.353	447.542	451.495	451.307
4.5	451.056	447.667	448.546	453.064	453.189
5.0	451.181	448.106	449.612	454.883	455.323
5.5	451.244	448.483	450.742	456.766	457.644
6.0	451.369	448.922	451.997	458.900	460.217
6.5	451.495	449.424	453.315	461.096	462.916
7.0	451.620	449.989	454.758	463.480	465.802
7.5	451.809	450.491	456.264	466.053	468.751
8.0	451.997	451.118	457.895	468.689	471.952
8.5	452.248	451.746	459.590	471.450	472.705
9.0	452.436	452.436	461.347	472.077	476.156
9.5	452.687	453.126	463.229	475.027	479.482
10.0	452.938	453.817	465.175	478.039	483.121
10.5	453.126	454.570	467.120	481.239	486.698
11.0	453.377	455.323	469.191	484.628	488.142
11.5	453.691	456.138	471.261	487.263	492.095
12.0	453.942	456.954	473.458	489.146	496.048
12.5	454.256	457.833	473.646	492.722	500.002
13.0	454.507	458.711	475.654	496.425	504.143
13.5	454.821	459.590	478.039	500.064	508.410
14.0	455.009	460.531	480.423	503.955	512.740
14.5	455.260	461.410	482.933	507.845	517.321
15.0	455.511	462.351	484.314	511.799	521.776
15.5	455.762	463.292	486.322	515.815	526.420
16.0	456.013	464.296	488.330	519.956	531.063
16.5	456.264	465.237	491.028	524.349	535.958
17.0	456.452	466.179	493.789	528.553	540.664
17.5	456.640	467.120	496.425	532.883	545.433
18.0	456.829	468.124	499.186	537.401	550.391
18.5	456.954	469.065	501.947	541.794	555.536
19.0	457.080	470.006	504.771	546.312	560.682
19.5	457.205	470.948	507.406	550.767	565.702
20.0	457.268	471.826	510.230	555.097	570.910
20.5	457.393	472.705	512.866	559.427	575.993
21.0	457.393	473.583	515.501	563.694	581.013
21.5	457.393	474.462	518.199	567.961	586.222
22.0	457.393	475.278	520.772	572.165	591.116
22.5	457.393	476.093	523.282	576.307	596.011
23.0	457.331	476.846	525.855	580.323	600.780
23.5	457.268	476.407	528.177	584.527	605.235
24.0	457.142	475.842	530.624	588.418	609.628
24.5	456.954	476.533	532.946	592.309	613.958
25.0	456.829	477.160	535.142	596.136	617.974
25.5	456.578	477.725	537.527	599.839	622.178
26.0	456.327	478.227	539.723	603.416	626.131
26.5	456.013	478.666	541.794	606.741	630.022

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

27.0	455.699	479.105	543.990	610.004	633.787
27.5	455.260	479.419	545.747	613.267	637.552
28.0	454.821	479.733	547.630	616.405	641.317
28.5	454.319	479.984	549.387	619.292	644.455
29.0	453.691	480.047	550.956	622.115	647.592
29.5	453.064	480.109	552.399	624.751	650.730
30.0	452.373	480.109	553.842	627.324	653.867
30.5	451.620	479.921	554.909	629.395	656.378
31.0	450.805	479.796	556.227	631.905	659.515
31.5	449.926	479.482	557.168	633.787	662.025
32.0	448.985	479.168	558.046	635.670	663.908
32.5	447.981	478.792	558.737	637.552	666.418
33.0	446.914	478.290	559.427	638.807	667.673
33.5	445.785	478.415	559.929	640.690	669.555
34.0	444.592	478.227	560.180	641.317	670.810
34.5	443.337	477.411	560.431	642.572	672.065
35.0	442.019	476.595	560.494	643.200	672.693
35.5	440.639	476.846	560.431	643.827	673.320
36.0	439.196	475.842	560.305	643.827	673.948
36.5	437.690	474.713	559.929	643.827	674.575
37.0	436.121	473.521	559.427	643.827	674.575
37.5	434.489	472.203	558.862	643.827	674.575
38.0	432.732	470.759	558.046	643.200	673.948
38.5	430.975	469.253	557.231	642.572	673.320
39.0	429.093	467.622	556.227	641.945	672.693
39.5	427.147	465.928	555.034	640.690	672.065
40.0	425.077	464.108	553.717	639.435	670.183
40.5	423.006	462.225	552.211	638.180	668.928
41.0	420.872	460.280	550.579	636.297	667.045
41.5	418.676	458.209	548.947	635.042	665.163
42.0	416.417	456.013	547.002	632.532	663.280
42.5	414.032	453.817	544.931	630.650	660.770
43.0	411.585	451.495	542.672	628.139	658.260
43.5	409.075	449.048	540.288	625.567	655.750
44.0	406.440	446.538	537.715	622.680	652.612
44.5	403.741	443.965	535.079	619.731	649.475
45.0	401.043	441.266	532.130	616.468	646.337
45.5	398.219	438.443	529.244	612.954	642.572
46.0	395.333	435.556	525.981	609.440	638.807
46.5	392.446	432.544	522.780	605.800	635.042
47.0	389.371	429.469	519.329	601.847	630.650
47.5	386.296	426.206	515.752	597.768	626.382
48.0	383.159	422.943	512.113	593.438	621.990
48.5	379.896	419.492	508.285	588.983	617.409
49.0	376.633	415.978	504.457	584.402	612.452
49.5	373.181	412.401	500.253	579.570	607.620
50.0	369.793	408.699	496.048	574.613	602.286
50.5	366.216	404.933	491.718	569.593	596.952
51.0	362.639	401.106	487.263	564.384	591.367
51.5	359.000	397.152	483.310	558.925	585.531
52.0	355.297	393.074	480.235	553.277	579.570
52.5	351.469	388.932	475.340	547.630	573.483
53.0	347.642	384.728	472.642	541.731	567.208
53.5	343.751	380.461	467.371	535.707	560.682
54.0	339.735	376.068	462.037	529.369	554.093
54.5	335.719	371.675	456.640	523.094	547.190

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55.0	331.640	367.157	451.056	516.568	540.225
55.5	327.436	362.639	445.408	509.853	533.197
56.0	323.106	357.996	439.635	503.076	525.855
56.5	318.713	353.226	433.799	496.236	518.639
57.0	314.384	348.332	427.838	490.965	511.360
57.5	309.928	343.437	421.814	484.314	503.892
58.0	305.347	338.417	415.601	476.972	496.111
58.5	300.829	333.334	409.263	469.504	490.903
59.0	296.248	328.126	402.863	462.476	483.121
59.5	291.793	322.855	396.337	456.766	475.152
60.0	287.212	317.521	389.810	448.922	467.057
60.5	282.631	312.187	383.096	441.141	459.025
61.0	278.051	306.916	376.382	433.234	453.126
61.5	273.344	301.582	369.479	425.265	444.718
62.0	268.450	296.186	362.639	417.233	436.184
62.5	263.367	290.726	355.737	409.075	427.524
63.0	258.284	285.204	348.708	400.855	418.927
63.5	253.138	279.619	341.743	392.634	410.016
64.0	247.930	273.972	334.715	384.351	401.168
64.5	242.722	268.261	327.687	376.131	392.383
65.0	237.451	262.551	320.659	367.910	383.661
65.5	232.117	256.778	313.568	359.564	374.813
66.0	226.783	250.942	306.351	351.344	365.965
66.5	221.386	245.043	299.072	343.061	357.180
67.0	215.990	239.082	291.793	334.652	348.332
67.5	210.468	233.058	284.451	326.118	339.358
68.0	204.945	226.971	277.109	317.458	330.322
68.5	199.361	220.759	269.579	308.610	321.098
69.0	193.713	214.609	261.861	299.700	311.811
69.5	188.065	208.397	254.142	290.726	302.398
70.0	182.355	202.122	246.298	281.690	293.048
70.5	176.645	195.784	238.455	272.528	283.573
71.0	170.872	189.446	230.611	263.430	274.097
71.5	165.098	183.045	222.641	254.331	264.622
72.0	159.263	176.582	214.672	245.169	255.146
72.5	153.364	170.056	206.640	236.007	245.796
73.0	147.465	163.592	198.733	226.971	236.384
73.5	141.629	157.129	190.826	217.998	226.971
74.0	135.731	150.791	183.045	209.024	217.621
74.5	130.020	144.453	175.264	200.176	208.271
75.0	124.247	138.115	167.546	191.266	198.984
75.5	118.537	131.778	159.890	182.418	189.571
76.0	112.764	125.440	152.234	173.633	180.410
76.5	107.054	119.165	144.767	164.973	171.248
77.0	101.406	112.952	137.300	156.376	162.212
77.5	95.821	106.803	129.958	147.842	153.301
78.0	90.236	100.716	122.616	139.370	144.516
78.5	84.651	94.692	115.274	131.025	135.794
79.0	79.192	88.667	108.058	122.804	127.134
79.5	73.795	82.832	100.841	114.646	118.663
80.0	68.524	76.996	93.876	106.614	110.442
80.5	63.316	71.348	86.910	98.833	102.347
81.0	58.170	65.701	80.071	91.177	94.378
81.5	53.088	60.178	73.419	83.647	86.597
82.0	48.067	54.782	66.830	76.243	79.004
82.5	43.549	49.448	60.429	69.089	71.536

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

83.0	38.968	44.302	54.217	62.186	64.383
83.5	34.450	39.345	48.256	55.535	57.417
84.0	29.995	34.576	42.545	49.009	50.640
84.5	25.728	29.995	37.086	42.796	44.177
85.0	21.712	25.540	31.878	36.898	37.964
85.5	17.821	21.335	26.983	31.313	32.129
86.0	14.182	17.382	22.465	26.167	26.669
86.5	10.730	13.805	18.261	21.461	21.712
87.0	7.593	10.479	14.496	17.194	17.068
87.5	4.895	7.593	11.170	13.178	12.801
88.0	2.573	5.083	7.969	9.601	9.224
88.5	0.628	3.012	5.397	6.965	7.091
89.0	0.000	1.757	3.765	5.208	5.208
89.5	0.000	0.816	2.761	4.079	3.514
90.0	0.000	1.443	3.075	4.393	3.577
90.5	0.000	2.949	3.953	3.891	3.702
91.0	0.628	5.585	7.279	7.091	6.965
91.5	2.134	8.722	11.107	11.672	11.107
92.0	3.891	12.048	14.998	16.064	15.751
92.5	6.024	15.813	19.139	20.206	19.829
93.0	8.471	22.528	22.967	24.724	24.347
93.5	11.232	36.270	26.607	28.928	28.866
94.0	14.182	51.644	30.748	32.944	32.944
94.5	17.382	69.779	35.392	37.086	37.086
95.0	20.896	94.378	40.788	41.792	41.604
95.5	24.598	117.407	47.503	47.063	46.624
96.0	28.552	135.166	62.186	52.962	52.272
96.5	32.819	156.125	93.499	59.425	58.421
97.0	37.337	179.468	132.907	66.328	65.136
97.5	42.043	198.608	174.511	75.866	72.227
98.0	46.499	214.609	227.599	99.586	80.008
98.5	51.519	229.920	291.981	143.073	97.766
99.0	56.727	249.311	355.988	191.705	136.798
99.5	62.249	269.579	400.227	241.341	188.818
100.0	67.897	285.769	436.874	305.285	239.333
100.5	73.607	302.335	469.316	388.869	296.186
101.0	79.506	316.956	499.751	483.435	373.495
101.5	85.530	333.021	533.009	572.918	470.697
102.0	91.742	348.457	560.180	634.415	580.888
102.5	98.080	361.886	588.355	683.988	675.203
103.0	104.606	375.629	621.049	729.796	737.954
103.5	111.195	389.622	650.730	767.447	791.293
104.0	117.847	403.867	671.438	798.823	838.984
104.5	124.561	419.617	685.871	832.708	875.379
105.0	131.464	436.309	704.068	867.849	904.245
105.5	138.304	451.683	727.914	897.342	935.620
106.0	145.206	466.618	753.014	925.580	970.761
106.5	152.172	481.302	777.487	956.956	1002.137
107.0	159.200	495.107	798.195	988.959	1029.120
107.5	166.102	508.096	815.138	1014.059	1057.358
108.0	172.880	520.960	828.316	1032.885	1089.361
108.5	179.719	532.695	842.121	1047.945	1118.854
109.0	186.559	543.802	857.809	1063.633	1142.072
109.5	193.462	554.658	877.262	1082.458	1160.270
110.0	200.176	565.451	896.715	1103.166	1175.330
110.5	206.765	576.244	913.657	1123.246	1191.018

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111.0	213.229	586.849	926.208	1143.327	1207.961
111.5	219.692	597.329	938.130	1161.525	1226.786
112.0	226.218	607.181	950.053	1178.467	1244.984
112.5	232.870	616.719	961.976	1191.645	1262.554
113.0	239.521	625.943	973.899	1202.313	1278.242
113.5	246.110	634.415	985.194	1212.981	1292.675
114.0	252.574	642.572	996.489	1223.648	1303.970
114.5	258.911	650.730	1006.529	1236.826	1314.010
115.0	265.249	658.888	1018.452	1251.886	1322.168
115.5	271.587	666.418	1031.002	1266.319	1330.953
116.0	277.737	673.948	1042.925	1277.614	1340.993
116.5	283.698	680.850	1054.848	1286.400	1354.171
117.0	289.534	687.753	1066.143	1293.930	1367.349
117.5	295.307	693.401	1076.183	1302.087	1379.271
118.0	301.143	699.048	1086.223	1309.617	1387.429
118.5	306.853	704.696	1095.008	1317.775	1393.077
119.0	312.438	709.716	1103.166	1325.305	1399.352
119.5	317.898	714.109	1110.696	1332.208	1405.627
120.0	323.106	718.501	1116.344	1339.111	1412.529
120.5	328.126	721.639	1121.991	1344.758	1418.177
121.0	332.958	725.404	1126.384	1350.406	1423.825
121.5	337.664	728.541	1130.777	1356.681	1428.217
122.0	342.308	731.679	1133.914	1362.329	1432.610
122.5	346.951	734.189	1136.424	1367.976	1436.375
123.0	351.532	736.699	1138.307	1372.996	1440.140
123.5	355.988	739.837	1140.189	1376.761	1443.905
124.0	360.317	741.719	1141.444	1380.526	1448.298
124.5	364.522	743.602	1142.699	1383.664	1452.063
125.0	368.726	744.857	1143.327	1386.174	1455.200
125.5	372.868	746.112	1143.954	1388.056	1458.338
126.0	376.946	747.367	1144.582	1389.312	1460.848
126.5	381.025	747.367	1145.209	1390.567	1462.103
127.0	384.979	747.994	1145.209	1390.567	1463.358
127.5	388.806	747.994	1145.209	1389.939	1463.985
128.0	392.446	747.994	1145.209	1389.312	1463.358
128.5	395.960	747.367	1144.582	1388.056	1463.358
129.0	399.411	746.739	1143.954	1386.174	1462.103
129.5	402.737	746.112	1142.699	1384.291	1460.220
130.0	406.000	745.484	1141.444	1381.781	1457.710
130.5	409.075	745.484	1139.562	1378.644	1455.200
131.0	412.087	744.229	1137.679	1375.506	1452.063
131.5	415.036	743.602	1134.542	1371.741	1448.298
132.0	417.923	742.347	1132.032	1368.604	1444.533
132.5	420.684	741.719	1128.894	1364.211	1440.140
133.0	423.320	741.092	1125.129	1359.818	1435.747
133.5	425.955	739.837	1121.364	1355.426	1430.727
134.0	428.465	738.582	1116.971	1350.406	1425.707
134.5	430.912	737.327	1112.579	1345.386	1420.060
135.0	433.234	736.072	1108.186	1339.738	1414.412
135.5	435.431	734.817	1103.794	1334.090	1408.137
136.0	437.501	732.934	1098.773	1328.443	1401.862
136.5	439.572	730.424	1093.126	1322.168	1395.587
137.0	441.580	728.541	1088.106	1315.893	1388.684
137.5	443.525	726.031	1083.086	1309.617	1381.781
138.0	445.408	723.521	1077.438	1302.715	1374.251
138.5	447.228	721.011	1071.790	1295.812	1366.721

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

139.0	448.922	717.874	1065.515	1288.910	1359.191
139.5	450.554	714.736	1059.240	1281.379	1351.033
140.0	452.122	711.599	1052.965	1273.849	1342.248
140.5	453.566	708.461	1046.690	1265.692	1334.090
141.0	455.009	705.323	1039.787	1257.534	1325.305
141.5	456.327	701.558	1032.885	1248.749	1315.893
142.0	457.519	697.166	1025.982	1239.964	1307.107
142.5	458.711	693.401	1019.079	1231.179	1297.695
143.0	459.841	689.636	1011.549	1222.393	1288.282
143.5	460.908	685.243	1004.647	1212.981	1278.869
144.0	461.912	680.850	996.489	1203.568	1269.457
144.5	462.853	677.085	988.331	1194.155	1259.417
145.0	463.794	672.693	980.801	1184.115	1249.376
145.5	464.735	668.928	972.644	1174.075	1239.964
146.0	465.614	664.535	963.858	1164.662	1229.923
146.5	466.367	660.143	955.701	1153.995	1219.256
147.0	467.120	655.750	947.543	1143.954	1208.588
147.5	467.873	651.357	939.385	1133.287	1197.293
148.0	468.626	646.965	930.600	1123.246	1186.625
148.5	469.253	642.572	922.443	1111.951	1174.702
149.0	469.944	638.180	914.285	1101.284	1163.407
149.5	470.571	633.787	905.500	1090.616	1151.484
150.0	471.073	628.767	896.715	1079.321	1139.562
150.5	471.638	624.625	887.929	1068.025	1127.639
151.0	472.140	620.045	879.772	1056.730	1115.089
151.5	472.642	615.589	870.987	1045.435	1103.166
152.0	473.144	611.197	861.574	1033.512	1090.616
152.5	473.646	606.741	852.789	1022.217	1077.438
153.0	474.211	602.537	844.004	1010.294	1064.260
153.5	474.776	598.144	834.591	998.372	1051.083
154.0	475.340	593.877	825.806	986.449	1037.905
154.5	475.905	589.610	816.393	973.899	1024.727
155.0	476.407	585.469	806.980	961.976	1010.922
155.5	476.909	581.264	797.568	949.426	997.744
156.0	477.348	577.248	788.155	936.875	983.939
156.5	477.788	573.483	778.742	924.325	970.134
157.0	478.290	569.655	768.702	911.775	956.956
157.5	478.854	566.079	758.662	898.597	943.151
158.0	479.294	562.439	748.622	886.047	929.345
158.5	479.733	558.925	738.582	873.497	916.167
159.0	480.235	555.474	729.169	860.319	902.362
159.5	480.611	552.085	719.129	847.769	888.557
160.0	481.113	548.885	709.089	834.591	874.124
160.5	481.553	545.622	699.048	821.413	860.319
161.0	482.055	542.484	689.008	808.235	846.514
161.5	482.494	539.284	679.595	795.058	832.708
162.0	482.870	536.272	669.555	781.880	818.903
162.5	483.310	533.385	659.515	768.702	804.470
163.0	483.686	530.624	650.102	755.524	790.038
163.5	484.063	527.800	640.062	742.347	775.605
164.0	484.439	525.102	630.650	728.541	761.172
164.5	484.816	522.592	621.425	715.364	746.739
165.0	485.192	520.270	612.263	702.186	732.934
165.5	485.569	517.948	603.353	689.008	718.501
166.0	485.945	515.752	594.881	675.830	704.068
166.5	486.385	513.619	586.410	663.280	690.263

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SDI5-4-L16-835-DMA-70U-30D-DIM-UNV_.IES

CANDELA TABULATION - (Cont.)

167.0	486.698	511.611	578.378	650.102	675.830
167.5	487.075	509.602	570.848	637.552	662.025
168.0	487.389	507.594	563.569	625.253	648.220
168.5	487.702	505.649	556.729	613.205	634.415
169.0	488.016	503.892	550.265	601.407	621.111
169.5	488.330	502.261	543.865	590.301	608.247
170.0	488.581	500.629	537.841	579.696	595.823
170.5	488.832	499.249	532.067	569.781	584.214
171.0	489.020	497.743	526.734	560.745	573.169
171.5	489.208	496.299	521.713	552.211	562.815
172.0	489.271	495.044	517.195	544.116	553.717
172.5	489.334	493.852	513.054	536.397	544.806
173.0	489.397	492.722	509.163	529.432	536.460
173.5	489.459	491.718	505.524	522.968	528.930
174.0	489.522	490.652	502.072	516.882	521.839
174.5	489.522	489.710	498.998	511.799	515.501
175.0	489.522	488.895	496.111	507.030	509.728
175.5	489.522	488.079	493.664	502.700	504.582
176.0	489.459	487.389	491.467	498.747	500.064
176.5	489.397	486.824	489.397	495.358	495.985
177.0	489.271	486.259	487.702	492.346	492.471
177.5	489.208	485.757	486.196	489.836	489.648
178.0	489.146	485.381	485.067	488.016	487.326
178.5	489.146	485.192	484.188	486.322	485.506
179.0	489.083	485.004	483.498	485.318	484.251
179.5	489.083	484.816	483.184	484.690	483.498
180.0	484.628	484.628	484.628	484.628	484.628

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SDI5-4-L16-835-DMA-70U-30D-DIM-UNV_.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	182.56	N.A.	2.70
0-30	431.02	N.A.	6.50
0-40	780.97	N.A.	11.70
0-60	1582.22	N.A.	23.80
0-80	2067.89	N.A.	31.10
0-90	2107.17	N.A.	31.70
10-90	2063.6	N.A.	31.00
20-40	598.41	N.A.	9.00
20-50	1005.09	N.A.	15.10
40-70	1112.6	N.A.	16.70
60-80	485.67	N.A.	7.30
70-80	174.33	N.A.	2.60
80-90	39.28	N.A.	0.60
90-110	732.72	N.A.	11.00
90-120	1650.3	N.A.	24.80
90-130	2583.99	N.A.	38.90
90-150	3958.38	N.A.	59.50
90-180	4543.79	N.A.	68.30
110-180	3811.07	N.A.	57.30
0-180	6650.97	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	43.58
10-20	138.98
20-30	248.46
30-40	349.95
40-50	406.69
50-60	394.56
60-70	311.35
70-80	174.33
80-90	39.28
90-100	89.76
100-110	642.95
110-120	917.58
120-130	933.69
130-140	793.54
140-150	580.85
150-160	360.51
160-170	176.05
170-180	48.86

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SDI5-4-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

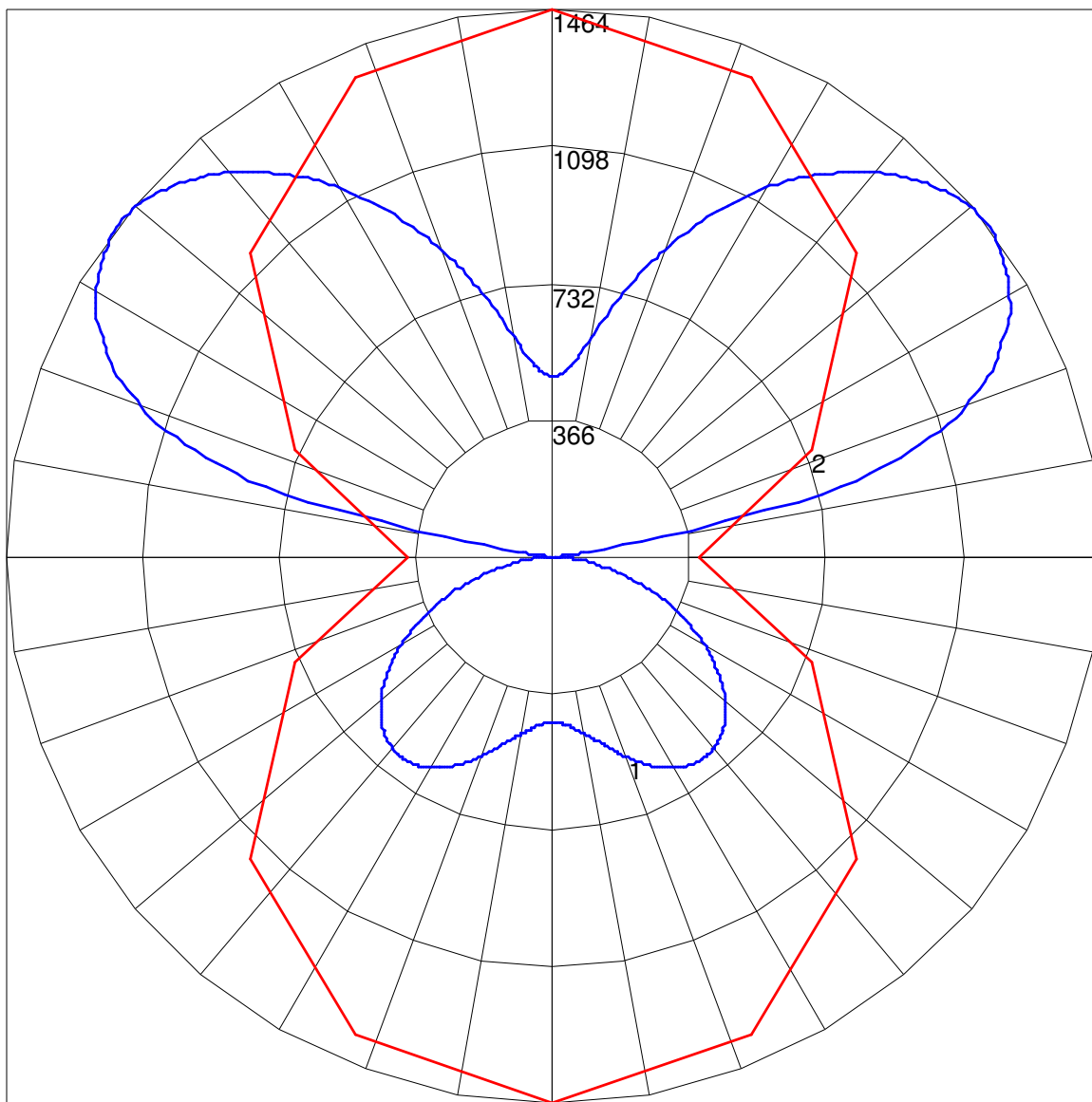
IES INDOOR REPORT
PHOTOMETRIC FILENAME : SDI5-4-L16-835-DMA-70U-30D-DIM-UNV_.IES

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					UGR Viewed Endwise				
X=2H	Y=2H	10.2	11.0	11.3	12.1	13.6	13.7	14.4	14.8	15.5	17.0
	3H	11.7	12.4	12.8	13.5	15.0	15.5	16.2	16.6	17.3	18.8
	4H	12.1	12.7	13.2	13.8	15.4	16.1	16.8	17.2	17.9	19.4
	6H	12.3	12.9	13.4	14.0	15.5	16.5	17.1	17.6	18.2	19.7
	8H	12.3	12.9	13.4	14.0	15.5	16.6	17.1	17.7	18.2	19.8
	12H	12.3	12.8	13.4	13.9	15.5	16.6	17.1	17.7	18.2	19.8
4H	2H	11.2	11.8	12.3	12.9	14.5	13.9	14.6	15.0	15.7	17.2
	3H	12.8	13.3	13.9	14.4	16.0	15.9	16.5	17.0	17.6	19.1
	4H	13.2	13.7	14.4	14.8	16.4	16.6	17.1	17.8	18.2	19.8
	6H	13.5	13.9	14.6	15.1	16.6	17.1	17.5	18.2	18.7	20.2
	8H	13.5	13.9	14.7	15.1	16.6	17.2	17.6	18.3	18.7	20.3
	12H	13.5	13.9	14.6	15.0	16.6	17.2	17.6	18.4	18.7	20.3
8H	4H	13.6	14.0	14.7	15.1	16.7	16.7	17.0	17.8	18.2	19.8
	6H	13.9	14.3	15.1	15.4	17.0	17.2	17.5	18.3	18.7	20.3
	8H	14.0	14.3	15.2	15.4	17.0	17.3	17.6	18.5	18.8	20.4
	12H	14.0	14.2	15.1	15.4	17.0	17.4	17.7	18.6	18.8	20.4
12H	4H	13.6	14.0	14.7	15.1	16.7	16.6	17.0	17.8	18.1	19.7
	6H	14.0	14.2	15.1	15.4	17.0	17.2	17.4	18.3	18.6	20.2
	8H	14.0	14.3	15.2	15.4	17.1	17.3	17.6	18.5	18.7	20.3

Maximum UGR = 20.4

POLAR GRAPH



Maximum Candela = 1463.985 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.)