

## IES INDOOR REPORT

PHOTOMETRIC FILENAME : SDI5-4-L16-835-144W-DMA-70U-30D-DIM-UNV\_.IES

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] GEN from UL #12731921.11

[TESTLAB] UL Verification Services Inc.

[ISSUE DATE] 8 FEB, 2024

[MANUFAC] WILLIAMS INDOOR

[OTHER] H.E. WILLIAMS, INC. - CARTHAGE, MO 64836

[LUMINAIRE] 4' SUSPENDED LED LUMINAIRE

[MORE] WITH FROSTED ACRYLIC LENS & 144 CELL LOUVER

[LUMCAT] SDI5-4-L16-835-144W-DMA-70U-30D-DIM-UNV

[LAMPCAT] HLM 80 CRI, 3500K CCT

[\_SEARCH\_SOURCE TYPE] 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	6318
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	137
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)	3.77 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	1711	1988	2555
55	1804	2046	2705
65	1708	1724	2315
75	1203	1009	1308
85	684	254	87

# IES INDOOR REPORT

PHOTOMETRIC FILENAME : SDI5-4-L16-835-144W-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>
0.0	142.871	142.871	142.871	142.871	142.871
0.5	142.031	143.472	142.811	143.112	142.271
1.0	142.091	143.532	142.871	143.292	142.391
1.5	142.211	143.592	142.991	143.532	142.631
2.0	142.271	143.712	143.232	143.832	143.051
2.5	142.331	143.832	143.532	144.252	143.592
3.0	142.511	144.072	143.832	144.792	144.192
3.5	142.631	144.372	144.252	145.453	145.032
4.0	142.811	144.672	144.732	146.173	145.993
4.5	143.051	144.972	145.213	147.013	147.074
5.0	143.352	145.273	145.813	147.854	148.154
5.5	143.712	145.573	146.413	148.814	149.355
6.0	144.012	145.933	147.134	149.895	150.795
6.5	144.192	146.353	147.854	151.035	152.296
7.0	144.492	146.833	148.574	152.236	153.797
7.5	144.792	147.314	149.475	153.497	155.298
8.0	145.093	147.854	150.315	154.817	156.918
8.5	145.453	148.394	151.276	156.138	158.479
9.0	145.873	148.994	152.236	157.519	160.100
9.5	146.293	149.535	153.257	159.080	161.781
10.0	146.773	150.135	154.337	160.640	163.462
10.5	147.194	150.795	155.478	162.261	165.203
11.0	147.674	151.516	156.618	163.882	166.943
11.5	148.094	152.176	157.819	165.563	168.684
12.0	148.514	152.896	159.019	167.244	170.425
12.5	148.994	153.617	160.280	168.984	172.226
13.0	149.475	154.337	161.541	170.785	174.027
13.5	150.015	155.118	162.921	172.586	175.948
14.0	150.555	155.898	164.302	174.507	177.929
14.5	151.156	156.738	165.743	176.488	180.090
15.0	151.816	157.579	167.184	178.469	182.371
15.5	152.356	158.479	168.684	180.450	184.532
16.0	152.896	159.440	170.125	182.551	186.693
16.5	153.497	160.340	171.686	184.652	188.974
17.0	154.157	161.241	173.247	186.813	191.376
17.5	154.757	162.201	174.867	188.974	193.837
18.0	155.418	163.162	176.488	191.256	196.298
18.5	156.078	164.122	178.169	193.537	198.819
19.0	156.738	165.143	179.850	195.818	201.341
19.5	157.399	166.103	181.531	198.099	203.982
20.0	158.119	167.124	183.332	200.500	206.683
20.5	158.839	168.204	185.072	202.901	209.325
21.0	159.440	169.225	186.933	205.363	211.966
21.5	160.100	170.245	188.734	207.884	214.787
22.0	160.820	171.326	190.535	210.525	217.609
22.5	161.481	172.466	192.336	213.107	220.430
23.0	162.141	173.547	194.197	215.808	223.312
23.5	162.861	174.627	196.118	218.509	226.253
24.0	163.582	175.648	197.979	221.271	229.135
24.5	164.302	176.728	199.840	224.032	232.136
25.0	165.022	177.809	201.701	226.913	235.258
25.5	165.743	178.949	203.502	229.615	238.499
26.0	166.403	180.090	205.303	232.376	241.861
26.5	167.063	181.171	207.104	235.138	245.163

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : SDI5-4-L16-835-144W-DMA-70U-30D-DIM-UNV\_.IES****CANDELA TABULATION - (Cont.)**

27.0	167.724	182.251	208.904	237.899	248.584
27.5	168.384	183.332	210.705	240.780	251.886
28.0	168.984	184.412	212.566	243.602	255.128
28.5	169.585	185.493	214.487	246.423	258.369
29.0	170.185	186.513	216.288	249.365	261.671
29.5	170.785	187.534	218.149	252.126	264.972
30.0	171.386	188.494	220.010	254.887	268.334
30.5	171.986	189.455	221.751	257.709	271.636
31.0	172.526	190.415	223.552	260.470	274.997
31.5	173.127	191.256	225.353	263.292	278.419
32.0	173.607	192.096	227.093	266.053	281.841
32.5	174.087	192.996	228.774	268.754	285.203
33.0	174.567	193.837	230.515	271.396	288.444
33.5	174.987	194.677	232.076	273.857	291.686
34.0	175.348	195.458	233.637	276.318	294.807
34.5	175.708	196.238	235.198	278.659	298.049
35.0	176.068	196.898	236.638	281.060	301.351
35.5	176.428	197.499	237.959	283.462	304.532
36.0	176.728	198.159	239.280	285.803	307.594
36.5	176.908	198.699	240.600	288.024	310.415
37.0	177.089	199.240	241.921	290.305	313.116
37.5	177.149	199.780	243.122	292.466	315.638
38.0	177.269	200.260	244.322	294.627	318.279
38.5	177.389	200.620	245.343	296.668	320.860
39.0	177.449	200.860	246.183	298.589	323.262
39.5	177.509	201.040	246.903	300.390	325.483
40.0	177.629	201.221	247.624	302.011	327.404
40.5	177.569	201.401	248.284	303.572	329.445
41.0	177.449	201.521	248.824	305.132	331.366
41.5	177.209	201.581	249.305	306.453	333.347
42.0	176.908	201.521	249.785	307.714	335.208
42.5	176.668	201.401	250.145	308.854	336.828
43.0	176.368	201.221	250.565	309.995	338.389
43.5	176.008	200.920	250.745	310.955	339.890
44.0	175.588	200.620	251.045	311.796	341.150
44.5	175.047	200.260	251.286	312.456	342.351
45.0	174.507	199.900	251.406	312.996	343.432
45.5	174.027	199.360	251.286	313.417	344.332
46.0	173.367	198.759	251.226	313.777	344.932
46.5	172.706	198.159	251.045	313.897	345.473
47.0	171.986	197.499	250.865	313.897	345.953
47.5	171.206	196.778	250.385	313.717	346.313
48.0	170.425	195.998	249.785	313.417	346.313
48.5	169.465	195.098	249.125	312.936	346.193
49.0	168.504	194.077	248.284	312.336	345.833
49.5	167.484	192.996	247.384	311.736	345.233
50.0	166.463	191.796	246.363	310.835	344.512
50.5	165.263	190.655	245.283	309.755	343.612
51.0	164.002	189.395	244.082	308.554	342.651
51.5	162.681	188.014	242.821	307.174	341.511
52.0	161.301	186.513	241.321	305.613	340.310
52.5	159.800	185.012	239.700	303.932	338.869
53.0	158.359	183.272	237.959	302.131	337.249
53.5	156.738	181.531	236.098	300.270	335.508
54.0	155.118	179.790	234.237	298.229	333.647
54.5	153.377	177.869	232.196	296.008	331.366

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : SDI5-4-L16-835-144W-DMA-70U-30D-DIM-UNV\_.IES****CANDELA TABULATION - (Cont.)**

55.0	151.636	175.888	230.035	293.727	328.844
55.5	149.775	173.907	227.754	291.085	326.143
56.0	147.854	171.806	225.293	288.384	323.141
56.5	145.873	169.705	222.771	285.503	320.080
57.0	143.772	167.484	220.070	282.501	316.958
57.5	141.791	165.143	217.369	279.140	313.537
58.0	139.810	162.681	214.487	275.838	309.935
58.5	137.769	160.160	211.486	272.236	306.033
59.0	135.728	157.639	208.424	268.394	302.011
59.5	133.807	155.118	205.183	264.492	297.629
60.0	131.886	152.596	201.881	260.470	293.247
60.5	129.905	150.015	198.459	256.148	288.744
61.0	127.984	147.434	194.917	251.826	284.302
61.5	125.823	144.792	191.256	247.324	279.560
62.0	123.482	142.271	187.594	242.701	274.817
62.5	121.081	139.630	183.872	238.079	269.895
63.0	118.619	136.928	180.030	233.277	264.852
63.5	116.158	134.107	176.128	228.474	259.690
64.0	113.637	131.166	171.986	223.552	254.407
64.5	111.116	128.284	167.844	218.509	248.884
65.0	108.534	125.283	163.702	213.347	243.302
65.5	105.833	122.281	159.500	208.184	237.719
66.0	103.132	119.220	155.298	202.961	232.016
66.5	100.370	116.158	151.035	197.619	226.193
67.0	97.549	112.976	146.653	192.216	220.250
67.5	94.607	109.735	142.331	186.633	214.187
68.0	91.606	106.433	137.889	180.990	208.064
68.5	88.484	103.011	133.507	175.348	201.881
69.0	85.423	99.530	129.125	169.645	195.518
69.5	82.181	95.988	124.682	163.822	188.794
70.0	78.939	92.386	120.300	157.999	182.191
70.5	75.758	88.664	115.858	152.056	175.468
71.0	72.516	84.942	111.296	146.113	168.624
71.5	69.395	81.161	106.793	140.110	161.781
72.0	66.453	77.439	102.291	134.047	154.877
72.5	63.512	73.837	97.849	127.924	147.914
73.0	60.690	70.235	93.347	121.681	141.010
73.5	57.809	66.813	88.784	115.498	133.807
74.0	55.048	63.452	84.222	109.315	126.423
74.5	52.226	60.210	79.720	103.072	119.160
75.0	49.465	57.029	75.218	96.828	111.656
75.5	46.823	53.847	70.775	90.645	104.212
76.0	44.182	50.725	66.453	84.462	96.588
76.5	41.601	47.664	62.071	78.279	88.844
77.0	39.080	44.602	57.809	72.096	80.800
77.5	36.798	41.601	53.727	65.913	72.576
78.0	34.637	38.719	49.705	59.730	63.992
78.5	32.596	36.018	45.803	53.607	54.987
79.0	30.675	33.497	42.081	47.364	45.323
79.5	28.814	31.156	38.539	41.181	35.418
80.0	27.074	28.994	35.058	34.877	27.614
80.5	25.393	27.074	31.756	29.175	21.311
81.0	23.772	25.273	28.694	24.732	15.248
81.5	22.271	23.592	25.873	20.890	9.845
82.0	20.710	21.971	23.352	17.289	7.624
82.5	19.210	20.410	21.191	15.128	7.024

# IES INDOOR REPORT

PHOTOMETRIC FILENAME : SDI5-4-L16-835-144W-DMA-70U-30D-DIM-UNV\_.IES

## CANDELA TABULATION - (Cont.)

83.0	17.769	18.909	19.270	14.047	6.663
83.5	16.268	17.349	17.529	13.087	6.303
84.0	14.827	15.788	16.028	12.186	6.003
84.5	13.387	14.347	14.587	11.286	5.703
85.0	11.946	12.906	13.207	10.265	5.463
85.5	10.505	11.526	11.886	9.245	5.163
86.0	9.065	10.145	10.565	8.344	4.922
86.5	7.684	8.824	9.305	7.444	4.682
87.0	6.423	7.504	8.044	6.723	4.442
87.5	5.283	6.243	6.843	6.063	4.202
88.0	4.202	5.043	5.823	5.523	3.962
88.5	3.182	4.082	5.043	5.043	3.662
89.0	2.461	3.302	4.322	4.562	3.302
89.5	2.041	3.002	4.082	4.802	3.482
90.0	1.921	4.082	5.283	6.303	5.103
90.5	1.201	3.542	3.902	3.362	3.062
91.0	2.941	8.164	9.305	8.104	7.804
91.5	4.742	12.366	15.248	14.947	14.587
92.0	6.963	15.728	20.350	20.770	20.770
92.5	9.425	19.390	24.912	26.173	26.293
93.0	12.186	24.072	28.574	31.096	31.696
93.5	15.308	32.536	32.656	35.298	36.198
94.0	18.729	50.125	37.519	39.560	40.520
94.5	22.631	78.879	43.222	44.362	45.143
95.0	26.773	106.733	49.465	49.885	50.485
95.5	31.396	130.865	56.188	56.128	56.488
96.0	36.318	143.952	63.992	63.212	63.392
96.5	41.601	160.520	78.759	70.655	70.835
97.0	47.244	188.854	109.915	78.399	78.459
97.5	53.127	218.329	172.526	86.143	86.503
98.0	59.370	240.660	268.994	95.508	94.547
98.5	65.913	260.650	355.618	113.697	103.252
99.0	72.636	282.261	407.424	150.915	117.419
99.5	79.720	301.231	448.904	216.228	148.994
100.0	87.044	318.759	478.979	319.300	203.562
100.5	94.547	337.609	499.990	456.348	290.305
101.0	102.351	357.299	522.681	579.770	418.409
101.5	110.275	377.589	547.354	655.528	571.546
102.0	118.499	394.697	579.950	706.553	692.146
102.5	126.843	411.446	623.111	746.773	769.585
103.0	135.308	427.294	668.134	778.589	818.209
103.5	143.952	442.901	708.354	803.802	857.829
104.0	152.716	459.049	740.770	830.215	890.845
104.5	161.601	475.438	769.585	856.028	916.658
105.0	170.485	491.586	797.198	881.240	943.672
105.5	179.550	507.974	826.013	913.657	968.884
106.0	188.674	523.582	853.627	953.877	992.296
106.5	197.859	538.349	879.440	999.500	1019.910
107.0	207.043	552.816	902.251	1044.522	1057.128
107.5	216.228	567.404	921.461	1082.941	1099.750
108.0	225.473	581.150	938.869	1116.558	1144.772
108.5	234.837	593.697	958.079	1146.573	1186.793
109.0	244.082	605.703	977.889	1175.387	1224.012
109.5	253.267	617.709	997.098	1201.801	1257.028
110.0	262.331	629.715	1016.908	1228.214	1287.644
110.5	271.156	641.721	1036.718	1253.426	1313.456

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : SDI5-4-L16-835-144W-DMA-70U-30D-DIM-UNV\_.IES****CANDELA TABULATION - (Cont.)**

111.0	280.160	653.126	1053.527	1278.039	1337.468
111.5	289.165	663.932	1066.733	1299.650	1360.880
112.0	298.409	674.737	1076.938	1318.859	1383.692
112.5	307.774	684.342	1087.143	1335.067	1406.503
113.0	316.838	694.547	1097.949	1349.474	1427.513
113.5	325.663	704.752	1109.354	1363.882	1445.522
114.0	334.487	714.957	1120.760	1378.889	1460.530
114.5	343.312	725.162	1132.166	1393.897	1473.136
115.0	351.956	735.368	1142.971	1406.503	1485.142
115.5	360.660	744.972	1153.777	1419.710	1497.148
116.0	369.425	755.177	1163.982	1433.516	1510.355
116.5	378.249	764.182	1173.587	1446.123	1522.961
117.0	386.953	773.186	1183.191	1455.127	1533.166
117.5	395.538	781.591	1190.995	1461.130	1544.572
118.0	403.822	789.395	1198.199	1466.533	1557.178
118.5	412.106	797.799	1205.402	1472.536	1567.383
119.0	420.210	805.002	1212.006	1478.539	1573.386
119.5	428.254	812.806	1216.808	1484.542	1576.388
120.0	436.118	819.410	1222.211	1489.945	1579.389
120.5	443.742	826.613	1227.013	1494.747	1582.991
121.0	451.366	833.817	1231.215	1499.549	1587.193
121.5	458.989	840.420	1234.817	1504.352	1591.395
122.0	466.433	847.023	1237.819	1508.554	1594.997
122.5	474.057	854.227	1240.220	1511.555	1599.199
123.0	481.381	860.830	1242.621	1514.557	1601.600
123.5	488.344	867.434	1244.422	1516.958	1604.002
124.0	495.788	872.836	1246.223	1518.159	1605.803
124.5	502.811	877.639	1248.024	1519.359	1607.003
125.0	510.015	881.841	1249.825	1519.960	1607.003
125.5	517.218	887.243	1251.025	1520.560	1607.603
126.0	523.942	891.446	1252.226	1519.960	1606.403
126.5	530.785	895.648	1253.426	1519.359	1606.403
127.0	537.509	899.249	1254.627	1518.159	1605.202
127.5	543.812	902.851	1255.227	1516.958	1604.002
128.0	550.715	906.453	1255.828	1515.157	1601.600
128.5	556.778	909.455	1255.828	1512.756	1597.999
129.0	563.021	911.856	1255.227	1509.755	1594.997
129.5	569.024	914.857	1254.627	1506.753	1591.996
130.0	575.268	917.859	1253.426	1502.551	1588.394
130.5	580.670	920.260	1252.826	1498.949	1584.792
131.0	586.253	922.661	1251.626	1495.347	1580.590
131.5	591.956	925.062	1251.626	1491.145	1575.788
132.0	597.479	926.863	1250.425	1486.943	1571.585
132.5	603.302	928.664	1249.825	1482.141	1566.183
133.0	608.104	930.465	1248.624	1477.338	1560.780
133.5	612.906	931.666	1247.423	1472.536	1554.177
134.0	617.709	933.467	1246.223	1467.734	1548.174
134.5	623.111	934.667	1245.022	1462.331	1542.171
135.0	627.914	935.868	1243.822	1456.928	1536.768
135.5	632.716	937.068	1242.621	1451.525	1530.765
136.0	637.519	938.869	1240.820	1445.522	1524.762
136.5	641.721	939.470	1239.019	1439.519	1517.558
137.0	646.523	940.070	1237.819	1433.516	1509.755
137.5	650.725	940.670	1235.417	1427.513	1503.151
138.0	654.927	941.270	1233.016	1421.510	1495.347
138.5	659.730	941.871	1230.615	1415.507	1487.543

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : SDI5-4-L16-835-144W-DMA-70U-30D-DIM-UNV\_.IES**

**CANDELA TABULATION - (Cont.)**

139.0	663.932	941.871	1228.214	1410.705	1480.340
139.5	668.134	941.871	1225.813	1405.302	1472.536
140.0	672.336	941.270	1223.411	1399.299	1465.933
140.5	676.538	940.670	1220.410	1394.497	1458.129
141.0	680.140	940.070	1217.408	1389.695	1451.525
141.5	683.742	940.070	1213.807	1384.892	1444.322
142.0	687.944	938.869	1210.805	1380.090	1438.319
142.5	690.945	937.669	1207.804	1374.687	1431.716
143.0	694.547	935.868	1204.202	1369.284	1425.713
143.5	698.149	934.067	1200.600	1363.882	1419.109
144.0	701.751	932.866	1196.998	1359.079	1413.707
144.5	705.353	931.065	1193.997	1353.677	1408.304
145.0	708.954	929.264	1189.795	1348.274	1402.301
145.5	711.956	928.064	1185.593	1342.871	1395.698
146.0	715.558	925.663	1181.390	1337.468	1389.094
146.5	718.559	923.862	1176.588	1331.465	1381.891
147.0	722.161	921.461	1171.786	1324.862	1375.287
147.5	725.162	919.059	1166.983	1318.859	1369.284
148.0	728.164	916.658	1162.181	1312.256	1362.081
148.5	730.565	914.257	1157.378	1305.653	1355.477
149.0	733.567	912.456	1152.576	1298.449	1348.874
149.5	735.968	910.055	1147.173	1291.846	1342.271
150.0	739.570	908.254	1142.371	1285.242	1334.467
150.5	741.971	905.252	1136.968	1278.039	1326.663
151.0	745.573	902.851	1131.566	1270.835	1318.859
151.5	747.374	899.850	1126.163	1263.632	1310.455
152.0	750.375	897.449	1120.160	1255.828	1302.651
152.5	752.776	895.047	1114.757	1248.024	1294.247
153.0	755.177	892.646	1108.154	1240.820	1285.843
153.5	758.179	890.245	1102.751	1233.016	1277.438
154.0	760.580	887.243	1096.748	1225.212	1269.635
154.5	762.981	884.842	1091.345	1217.408	1261.230
155.0	765.383	882.441	1085.342	1209.004	1252.226
155.5	767.784	880.040	1079.339	1200.600	1242.621
156.0	770.185	877.639	1072.736	1192.196	1233.617
156.5	772.586	875.237	1065.533	1183.191	1224.612
157.0	774.987	872.836	1057.729	1174.787	1216.208
157.5	777.389	870.435	1051.125	1166.383	1207.203
158.0	779.790	868.034	1043.922	1157.378	1196.998
158.5	780.990	866.233	1036.718	1148.974	1187.994
159.0	783.392	864.432	1028.914	1139.970	1177.789
159.5	785.192	862.631	1021.110	1130.365	1168.184
160.0	788.194	860.830	1013.306	1121.961	1158.579
160.5	789.995	859.029	1004.902	1112.956	1148.974
161.0	791.796	857.228	997.098	1103.952	1138.769
161.5	792.996	856.028	989.294	1094.347	1129.164
162.0	795.398	854.227	981.491	1084.142	1118.359
162.5	796.598	853.026	973.086	1073.937	1108.154
163.0	798.399	851.225	965.282	1063.131	1097.949
163.5	800.800	850.025	957.479	1052.926	1087.143
164.0	802.601	848.224	949.675	1042.121	1075.137
164.5	803.802	847.023	941.871	1030.715	1064.332
165.0	805.603	845.823	934.067	1019.309	1052.926
165.5	807.404	844.622	926.863	1008.504	1040.320
166.0	808.604	843.422	919.059	997.098	1027.714
166.5	809.805	842.821	911.856	986.293	1015.708

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : SDI5-4-L16-835-144W-DMA-70U-30D-DIM-UNV\_.IES****CANDELA TABULATION - (Cont.)**

167.0	811.606	841.621	905.252	975.488	1003.101
167.5	812.806	841.020	899.249	964.082	990.495
168.0	814.007	839.219	893.246	953.276	979.089
168.5	815.808	838.619	887.243	942.471	965.883
169.0	817.008	837.419	881.841	932.266	953.877
169.5	818.209	836.218	877.038	922.061	941.871
170.0	819.410	835.618	872.236	912.456	930.465
170.5	820.010	835.017	867.434	902.851	919.660
171.0	821.210	834.417	862.631	895.047	909.455
171.5	822.411	833.817	858.429	887.243	900.450
172.0	823.612	832.616	854.827	880.040	891.446
172.5	824.212	832.016	850.625	873.437	883.642
173.0	824.812	831.416	847.023	866.833	876.438
173.5	826.013	830.215	844.022	860.830	869.835
174.0	826.613	829.615	841.020	856.028	863.832
174.5	827.213	829.615	838.019	850.625	857.829
175.0	827.814	829.014	835.618	846.423	851.826
175.5	829.014	828.414	833.216	842.221	847.023
176.0	829.014	828.414	830.815	838.019	842.221
176.5	829.014	827.814	828.414	834.417	838.619
177.0	829.014	827.213	826.613	831.416	835.017
177.5	829.014	827.213	824.812	828.414	832.016
178.0	829.014	826.613	823.612	826.013	829.014
178.5	829.615	826.613	823.011	824.812	827.213
179.0	829.615	826.613	822.411	823.011	825.413
179.5	830.215	826.013	822.411	822.411	824.212
180.0	824.212	824.212	824.212	824.212	824.212



**IES INDOOR REPORT****PHOTOMETRIC FILENAME : SDI5-4-L16-835-144W-DMA-70U-30D-DIM-UNV\_.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	62.33	N.A.	1.00
0-30	156.27	N.A.	2.50
0-40	305.88	N.A.	4.80
0-60	711.31	N.A.	11.30
0-80	959.80	N.A.	15.20
0-90	973.62	N.A.	15.40
10-90	959.38	N.A.	15.20
20-40	243.55	N.A.	3.90
20-50	440.41	N.A.	7.00
40-70	572.08	N.A.	9.10
60-80	248.49	N.A.	3.90
70-80	81.84	N.A.	1.30
80-90	13.82	N.A.	0.20
90-110	803.77	N.A.	12.70
90-120	1837.78	N.A.	29.10
90-130	2889.2	N.A.	45.70
90-150	4511.57	N.A.	71.40
90-180	5343.94	N.A.	84.60
110-180	4540.17	N.A.	71.90
0-180	6317.56	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	14.24
10-20	48.09
20-30	93.94
30-40	149.61
40-50	196.86
50-60	208.57
60-70	166.65
70-80	81.84
80-90	13.82
90-100	97.83
100-110	705.94
110-120	1034.01
120-130	1051.42
130-140	912.40
140-150	709.97
150-160	485.13
160-170	266.16
170-180	81.08

# IES INDOOR REPORT

PHOTOMETRIC FILENAME : SDI5-4-L16-835-144W-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	61	61	61	61	53	53	53	53	39	39	39	27	27	27	15	15	15	9
1	55	53	50	48	48	46	44	43	34	33	32	23	22	22	13	13	12	8
2	50	46	42	39	44	40	37	35	30	28	26	20	19	18	11	11	10	6
3	45	40	36	32	40	35	31	29	26	24	22	18	16	15	10	9	8	5
4	41	35	30	27	36	31	27	24	23	20	18	15	14	12	8	8	7	4
5	38	31	26	23	33	27	23	20	20	17	15	14	12	11	8	7	6	3
6	35	28	23	19	30	24	20	17	18	15	13	12	10	9	7	6	5	3
7	32	25	20	17	28	22	18	15	16	13	11	11	9	8	6	5	4	2
8	29	22	18	14	26	20	16	13	15	12	10	10	8	7	5	4	4	2
9	27	20	16	13	24	18	14	11	13	10	9	9	7	6	5	4	3	2
10	25	18	14	11	22	16	12	10	12	9	8	8	6	5	5	4	3	2

# IES INDOOR REPORT

PHOTOMETRIC FILENAME : SDI5-4-L16-835-144W-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

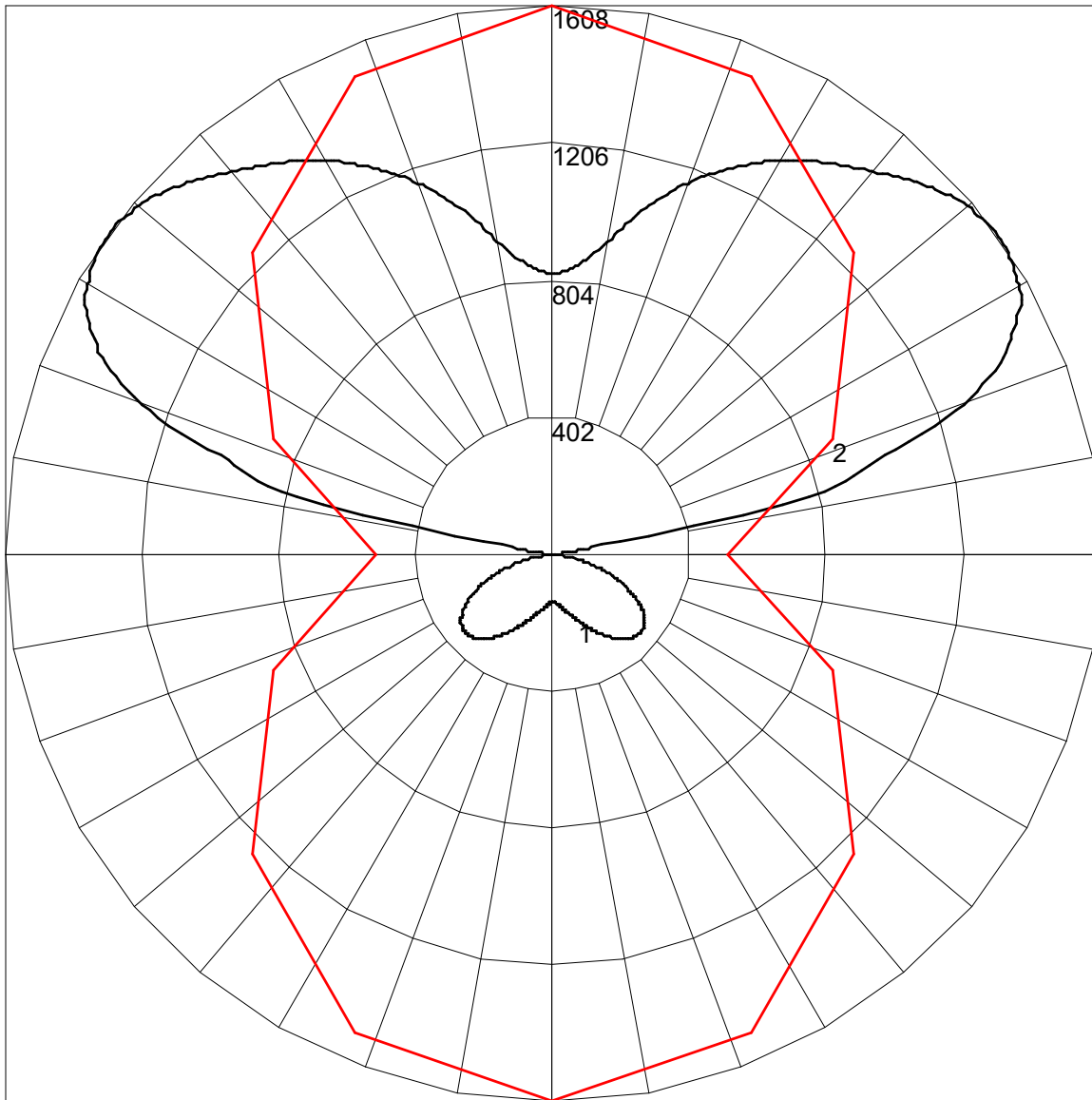
X=2H	Y=2H	8.1	8.1	8.1	8.2	9.9	11.2	11.8	12.4	13.0	14.7
	3H	8.1	8.3	8.9	9.5	11.2	13.1	13.6	14.3	14.8	16.5
	4H	8.1	8.5	9.2	9.7	11.4	13.6	14.1	14.8	15.3	17.0
	6H	8.1	8.6	9.3	9.8	11.5	13.7	14.2	14.9	15.4	17.1
	8H	8.1	8.6	9.3	9.8	11.5	13.7	14.1	14.9	15.3	17.1
	12H	8.1	8.5	9.3	9.7	11.5	13.6	14.1	14.8	15.3	17.0

### UGR Viewed Endwise

4H	2H	8.1	8.1	8.7	9.2	10.9	11.3	11.8	12.5	13.0	14.7
	3H	8.9	9.3	10.1	10.5	12.3	13.3	13.8	14.5	15.0	16.7
	4H	9.2	9.6	10.5	10.8	12.6	13.9	14.3	15.2	15.5	17.3
	6H	9.4	9.7	10.6	10.9	12.7	14.1	14.5	15.3	15.7	17.4
	8H	9.4	9.7	10.6	10.9	12.7	14.1	14.4	15.3	15.6	17.4
	12H	9.3	9.6	10.6	10.9	12.6	14.0	14.3	15.2	15.5	17.3
8H	4H	9.6	9.9	10.8	11.1	12.8	13.9	14.2	15.1	15.4	17.2
	6H	9.8	10.0	11.0	11.3	13.0	14.1	14.4	15.3	15.6	17.4
	8H	9.8	10.0	11.1	11.3	13.0	14.1	14.3	15.3	15.5	17.3
	12H	9.8	10.0	11.1	11.2	13.0	14.0	14.2	15.3	15.4	17.2
12H	4H	9.5	9.8	10.8	11.1	12.8	13.8	14.1	15.0	15.3	17.1
	6H	9.8	10.0	11.0	11.2	13.0	14.0	14.3	15.3	15.5	17.3
	8H	9.8	10.0	11.1	11.2	13.0	14.0	14.2	15.3	15.4	17.2

Maximum UGR = 17.4

POLAR GRAPH



Maximum Candela = 1607.603 Located At Horizontal Angle = 90, Vertical Angle = 125.5  
# 1 - Vertical Plane Through Horizontal Angles (90 - 270)  
# 2 - Horizontal Cone Through Vertical Angle (125.5) (Through Max. Cd.)