



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : SDI5-4-L16-835-DMA-70U-30D-(L9)-DIM-UNV\_.IES

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002  
 [TEST] GEN FROM 12731921.03  
 [TESTLAB] UL Verification Services Inc.  
 [ISSUEDATE] 11-07-2023  
 [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-(L9)-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	3663
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	145
Total Luminaire Watts	25.3
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	2436	2545	2887
55	2444	2410	2644
65	2314	2010	2149
75	1870	1318	1351
85	769	351	340

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : SDI5-4-L16-835-DMA-70U-30D-(L9)-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>	245.410	245.410	245.410	245.410	245.410
<b>0.5</b>	248.209	245.721	244.476	245.202	244.442
<b>1.0</b>	248.209	245.755	244.580	245.375	244.649
<b>1.5</b>	248.243	245.824	244.718	245.686	244.960
<b>2.0</b>	248.243	245.893	244.960	246.066	245.410
<b>2.5</b>	248.278	245.963	245.271	246.550	245.997
<b>3.0</b>	248.313	246.101	245.617	247.172	246.723
<b>3.5</b>	248.347	246.239	246.032	247.863	247.587
<b>4.0</b>	248.382	246.377	246.481	248.658	248.555
<b>4.5</b>	248.416	246.550	247.034	249.522	249.591
<b>5.0</b>	248.485	246.792	247.621	250.524	250.766
<b>5.5</b>	248.520	246.999	248.243	251.561	252.045
<b>6.0</b>	248.589	247.241	248.935	252.736	253.462
<b>6.5</b>	248.658	247.518	249.660	253.946	254.948
<b>7.0</b>	248.727	247.829	250.455	255.259	256.538
<b>7.5</b>	248.831	248.105	251.285	256.676	258.162
<b>8.0</b>	248.935	248.451	252.183	258.128	259.925
<b>8.5</b>	249.073	248.796	253.116	259.648	260.339
<b>9.0</b>	249.177	249.177	254.084	259.994	262.240
<b>9.5</b>	249.315	249.557	255.121	261.618	264.072
<b>10.0</b>	249.453	249.937	256.192	263.277	266.076
<b>10.5</b>	249.557	250.352	257.264	265.040	268.046
<b>11.0</b>	249.695	250.766	258.404	266.906	268.841
<b>11.5</b>	249.868	251.216	259.545	268.357	271.018
<b>12.0</b>	250.006	251.665	260.754	269.394	273.196
<b>12.5</b>	250.179	252.149	260.858	271.364	275.373
<b>13.0</b>	250.317	252.633	261.964	273.403	277.654
<b>13.5</b>	250.490	253.116	263.277	275.408	280.004
<b>14.0</b>	250.594	253.635	264.590	277.550	282.389
<b>14.5</b>	250.732	254.119	265.973	279.693	284.912
<b>15.0</b>	250.870	254.637	266.733	281.870	287.365
<b>15.5</b>	251.008	255.155	267.839	284.082	289.923
<b>16.0</b>	251.147	255.708	268.945	286.363	292.480
<b>16.5</b>	251.285	256.227	270.431	288.782	295.176
<b>17.0</b>	251.388	256.745	271.952	291.098	297.768
<b>17.5</b>	251.492	257.264	273.403	293.482	300.394
<b>18.0</b>	251.596	257.817	274.924	295.971	303.125
<b>18.5</b>	251.665	258.335	276.444	298.390	305.958
<b>19.0</b>	251.734	258.853	278.000	300.878	308.792
<b>19.5</b>	251.803	259.372	279.451	303.332	311.557
<b>20.0</b>	251.838	259.856	281.006	305.717	314.426
<b>20.5</b>	251.907	260.339	282.458	308.101	317.225
<b>21.0</b>	251.907	260.823	283.909	310.451	319.990
<b>21.5</b>	251.907	261.307	285.395	312.801	322.858
<b>22.0</b>	251.907	261.756	286.812	315.117	325.554
<b>22.5</b>	251.907	262.206	288.195	317.398	328.250
<b>23.0</b>	251.872	262.620	289.612	319.610	330.876
<b>23.5</b>	251.838	262.378	290.890	321.925	333.330
<b>24.0</b>	251.769	262.067	292.238	324.068	335.749
<b>24.5</b>	251.665	262.448	293.517	326.211	338.134
<b>25.0</b>	251.596	262.793	294.726	328.319	340.346
<b>25.5</b>	251.458	263.104	296.040	330.358	342.661
<b>26.0</b>	251.319	263.381	297.249	332.328	344.838
<b>26.5</b>	251.147	263.623	298.390	334.159	346.981

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : SDI5-4-L16-835-DMA-70U-30D-(L9)-DIM-UNV\_.IES****CANDELA TABULATION - (Cont.)**

27.0	250.974	263.865	299.599	335.956	349.055
27.5	250.732	264.037	300.567	337.754	351.128
28.0	250.490	264.210	301.604	339.482	353.202
28.5	250.213	264.348	302.572	341.071	354.930
29.0	249.868	264.383	303.436	342.626	356.658
29.5	249.522	264.417	304.230	344.078	358.386
30.0	249.142	264.417	305.025	345.495	360.114
30.5	248.727	264.314	305.613	346.635	361.496
31.0	248.278	264.245	306.339	348.018	363.224
31.5	247.794	264.072	306.857	349.055	364.607
32.0	247.276	263.899	307.341	350.091	365.643
32.5	246.723	263.692	307.721	351.128	367.026
33.0	246.135	263.415	308.101	351.819	367.717
33.5	245.513	263.484	308.378	352.856	368.754
34.0	244.857	263.381	308.516	353.202	369.445
34.5	244.165	262.931	308.654	353.893	370.136
35.0	243.440	262.482	308.689	354.239	370.482
35.5	242.679	262.620	308.654	354.584	370.827
36.0	241.884	262.067	308.585	354.584	371.173
36.5	241.055	261.445	308.378	354.584	371.519
37.0	240.191	260.789	308.101	354.584	371.519
37.5	239.292	260.063	307.790	354.584	371.519
38.0	238.325	259.268	307.341	354.239	371.173
38.5	237.357	258.439	306.892	353.893	370.827
39.0	236.320	257.540	306.339	353.547	370.482
39.5	235.249	256.607	305.682	352.856	370.136
40.0	234.109	255.605	304.956	352.165	369.099
40.5	232.968	254.568	304.127	351.474	368.408
41.0	231.793	253.497	303.228	350.437	367.371
41.5	230.583	252.356	302.330	349.746	366.335
42.0	229.339	251.147	301.258	348.363	365.298
42.5	228.026	249.937	300.118	347.327	363.915
43.0	226.678	248.658	298.874	345.944	362.533
43.5	225.296	247.310	297.560	344.527	361.151
44.0	223.844	245.928	296.143	342.937	359.423
44.5	222.358	244.511	294.692	341.313	357.695
45.0	220.872	243.025	293.068	339.516	355.967
45.5	219.317	241.470	291.478	337.581	353.893
46.0	217.727	239.880	289.681	335.645	351.819
46.5	216.137	238.221	287.918	333.641	349.746
47.0	214.444	236.528	286.017	331.464	347.327
47.5	212.750	234.731	284.048	329.217	344.977
48.0	211.023	232.933	282.043	326.833	342.557
48.5	209.225	231.033	279.935	324.379	340.034
49.0	207.428	229.097	277.827	321.856	337.304
49.5	205.527	227.127	275.511	319.195	334.643
50.0	203.661	225.088	273.196	316.465	331.706
50.5	201.691	223.015	270.811	313.700	328.768
51.0	199.721	220.907	268.357	310.831	325.692
51.5	197.717	218.729	266.180	307.825	322.478
52.0	195.678	216.483	264.487	304.714	319.195
52.5	193.570	214.202	261.791	301.604	315.843
53.0	191.462	211.886	260.305	298.355	312.387
53.5	189.319	209.536	257.402	295.038	308.792
54.0	187.107	207.117	254.464	291.547	305.164
54.5	184.895	204.698	251.492	288.091	301.362

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55.0	182.649	202.210	248.416	284.497	297.526
55.5	180.333	199.721	245.306	280.799	293.655
56.0	177.949	197.164	242.126	277.066	289.612
56.5	175.530	194.537	238.912	273.299	285.637
57.0	173.145	191.842	235.629	270.396	281.628
57.5	170.691	189.146	232.311	266.733	277.516
58.0	168.168	186.381	228.890	262.689	273.230
58.5	165.680	183.582	225.399	258.577	270.362
59.0	163.157	180.714	221.874	254.706	266.076
59.5	160.703	177.810	218.280	251.561	261.687
60.0	158.180	174.873	214.686	247.241	257.229
60.5	155.658	171.935	210.988	242.956	252.805
61.0	153.135	169.032	207.290	238.601	249.557
61.5	150.543	166.095	203.488	234.212	244.926
62.0	147.847	163.123	199.721	229.789	240.226
62.5	145.048	160.116	195.920	225.296	235.456
63.0	142.248	157.075	192.049	220.768	230.722
63.5	139.414	153.999	188.213	216.241	225.814
64.0	136.546	150.888	184.342	211.679	220.941
64.5	133.678	147.743	180.472	207.152	216.103
65.0	130.775	144.598	176.601	202.624	211.299
65.5	127.837	141.419	172.696	198.028	206.426
66.0	124.899	138.205	168.721	193.501	201.553
66.5	121.927	134.956	164.712	188.939	196.715
67.0	118.955	131.673	160.703	184.308	191.842
67.5	115.914	128.355	156.660	179.608	186.900
68.0	112.873	125.003	152.616	174.838	181.923
68.5	109.797	121.582	148.469	169.965	176.843
69.0	106.686	118.195	144.218	165.058	171.728
69.5	103.576	114.773	139.967	160.116	166.544
70.0	100.431	111.317	135.647	155.139	161.395
70.5	97.286	107.827	131.327	150.093	156.176
71.0	94.106	104.336	127.007	145.082	150.957
71.5	90.927	100.811	122.618	140.071	145.739
72.0	87.713	97.251	118.229	135.025	140.520
72.5	84.464	93.657	113.806	129.980	135.371
73.0	81.216	90.098	109.451	125.003	130.187
73.5	78.002	86.538	105.097	120.061	125.003
74.0	74.753	83.047	100.811	115.119	119.854
74.5	71.608	79.557	96.526	110.246	114.704
75.0	68.429	76.066	92.275	105.338	109.589
75.5	65.284	72.576	88.059	100.466	104.405
76.0	62.104	69.085	83.842	95.627	99.360
76.5	58.959	65.629	79.730	90.858	94.314
77.0	55.849	62.208	75.617	86.123	89.337
77.5	52.773	58.821	71.573	81.423	84.430
78.0	49.697	55.469	67.530	76.757	79.591
78.5	46.621	52.151	63.486	72.161	74.788
79.0	43.615	48.833	59.512	67.634	70.018
79.5	40.642	45.619	55.538	63.141	65.353
80.0	37.739	42.405	51.702	58.717	60.825
80.5	34.871	39.295	47.865	54.432	56.367
81.0	32.037	36.184	44.098	50.215	51.978
81.5	29.238	33.143	40.435	46.068	47.693
82.0	26.473	30.171	36.806	41.990	43.511
82.5	23.985	27.233	33.281	38.050	39.398

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83.0	21.462	24.399	29.860	34.249	35.458
83.5	18.973	21.669	26.577	30.585	31.622
84.0	16.520	19.042	23.432	26.991	27.890
84.5	14.170	16.520	20.425	23.570	24.330
85.0	11.958	14.066	17.556	20.321	20.909
85.5	9.815	11.750	14.861	17.245	17.695
86.0	7.811	9.573	12.372	14.411	14.688
86.5	5.910	7.603	10.057	11.819	11.958
87.0	4.182	5.771	7.983	9.469	9.400
87.5	2.696	4.182	6.152	7.258	7.050
88.0	1.417	2.799	4.389	5.288	5.080
88.5	0.346	1.659	2.972	3.836	3.905
89.0	0.000	0.968	2.074	2.868	2.868
89.5	0.000	0.449	1.521	2.246	1.935
90.0	0.000	0.795	1.693	2.419	1.970
90.5	0.000	1.624	2.177	2.143	2.039
91.0	0.346	3.076	4.009	3.905	3.836
91.5	1.175	4.804	6.117	6.428	6.117
92.0	2.143	6.635	8.260	8.847	8.675
92.5	3.318	8.709	10.541	11.128	10.921
93.0	4.666	12.407	12.649	13.617	13.409
93.5	6.186	19.976	14.653	15.932	15.898
94.0	7.811	28.443	16.934	18.144	18.144
94.5	9.573	38.431	19.492	20.425	20.425
95.0	11.508	51.978	22.464	23.017	22.913
95.5	13.547	64.662	26.162	25.920	25.678
96.0	15.725	74.442	34.249	29.169	28.788
96.5	18.075	85.985	51.494	32.728	32.175
97.0	20.563	98.841	73.198	36.530	35.873
97.5	23.155	109.382	96.111	41.783	39.778
98.0	25.609	118.195	125.349	54.846	44.064
98.5	28.374	126.627	160.807	78.796	53.844
99.0	31.242	137.306	196.058	105.580	75.340
99.5	34.283	148.469	220.423	132.917	103.991
100.0	37.394	157.386	240.606	168.134	131.811
100.5	40.539	166.509	258.473	214.167	163.123
101.0	43.787	174.562	275.235	266.249	205.700
101.5	47.105	183.409	293.551	315.532	259.234
102.0	50.527	191.911	308.516	349.400	319.921
102.5	54.017	199.307	324.033	376.702	371.864
103.0	57.611	206.875	342.039	401.931	406.424
103.5	61.240	214.582	358.386	422.667	435.800
104.0	64.903	222.427	369.791	439.947	462.065
104.5	68.601	231.102	377.739	458.609	482.110
105.0	72.403	240.295	387.762	477.963	498.008
105.5	76.170	248.762	400.894	494.206	515.288
106.0	79.972	256.987	414.718	509.758	534.641
106.5	83.808	265.074	428.197	527.038	551.921
107.0	87.678	272.677	439.601	544.663	566.782
107.5	91.480	279.831	448.933	558.487	582.334
108.0	95.212	286.916	456.190	568.855	599.959
108.5	98.979	293.379	463.793	577.150	616.202
109.0	102.746	299.496	472.433	585.790	628.989
109.5	106.548	305.475	483.147	596.158	639.012
110.0	110.246	311.419	493.860	607.562	647.306
110.5	113.875	317.363	503.192	618.622	655.946

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111.0	117.434	323.204	510.104	629.681	665.277
111.5	120.994	328.975	516.670	639.703	675.645
112.0	124.588	334.401	523.236	649.034	685.668
112.5	128.252	339.654	529.803	656.292	695.344
113.0	131.915	344.735	536.369	662.167	703.984
113.5	135.544	349.400	542.590	668.042	711.933
114.0	139.103	353.893	548.811	673.917	718.154
114.5	142.594	358.386	554.340	681.175	723.683
115.0	146.085	362.879	560.907	689.469	728.176
115.5	149.575	367.026	567.819	697.418	733.015
116.0	152.962	371.173	574.385	703.639	738.544
116.5	156.245	374.974	580.951	708.477	745.802
117.0	159.459	378.776	587.172	712.624	753.059
117.5	162.639	381.886	592.702	717.117	759.626
118.0	165.853	384.997	598.231	721.264	764.119
118.5	168.998	388.107	603.070	725.757	767.229
119.0	172.074	390.872	607.562	729.904	770.685
119.5	175.080	393.291	611.710	733.706	774.141
120.0	177.949	395.710	614.820	737.507	777.942
120.5	180.714	397.438	617.930	740.618	781.053
121.0	183.375	399.512	620.350	743.728	784.163
121.5	185.967	401.240	622.769	747.184	786.582
122.0	188.524	402.968	624.497	750.295	789.002
122.5	191.081	404.350	625.879	753.405	791.075
123.0	193.604	405.733	626.916	756.170	793.149
123.5	196.058	407.461	627.953	758.243	795.222
124.0	198.443	408.498	628.644	760.317	797.642
124.5	200.758	409.534	629.335	762.045	799.715
125.0	203.074	410.226	629.681	763.427	801.443
125.5	205.355	410.917	630.026	764.464	803.171
126.0	207.601	411.608	630.372	765.155	804.554
126.5	209.847	411.608	630.717	765.847	805.245
127.0	212.025	411.954	630.717	765.847	805.936
127.5	214.133	411.954	630.717	765.501	806.282
128.0	216.137	411.954	630.717	765.155	805.936
128.5	218.073	411.608	630.372	764.464	805.936
129.0	219.974	411.262	630.026	763.427	805.245
129.5	221.805	410.917	629.335	762.391	804.208
130.0	223.602	410.571	628.644	761.008	802.826
130.5	225.296	410.571	627.607	759.280	801.443
131.0	226.955	409.880	626.570	757.552	799.715
131.5	228.579	409.534	624.842	755.479	797.642
132.0	230.169	408.843	623.460	753.751	795.568
132.5	231.689	408.498	621.732	751.331	793.149
133.0	233.141	408.152	619.658	748.912	790.730
133.5	234.592	407.461	617.585	746.493	787.965
134.0	235.975	406.770	615.166	743.728	785.200
134.5	237.323	406.078	612.746	740.963	782.090
135.0	238.601	405.387	610.327	737.853	778.979
135.5	239.811	404.696	607.908	734.743	775.523
136.0	240.951	403.659	605.143	731.632	772.067
136.5	242.092	402.277	602.033	728.176	768.611
137.0	243.198	401.240	599.268	724.720	764.810
137.5	244.269	399.858	596.503	721.264	761.008
138.0	245.306	398.475	593.393	717.463	756.861
138.5	246.308	397.093	590.282	713.661	752.714

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : SDI5-4-L16-835-DMA-70U-30D-(L9)-DIM-UNV\_.IES****CANDELA TABULATION - (Cont.)**

139.0	247.241	395.365	586.826	709.860	748.567
139.5	248.140	393.637	583.370	705.712	744.074
140.0	249.004	391.909	579.914	701.565	739.235
140.5	249.799	390.181	576.458	697.072	734.743
141.0	250.594	388.453	572.657	692.580	729.904
141.5	251.319	386.379	568.855	687.741	724.720
142.0	251.976	383.960	565.054	682.903	719.882
142.5	252.633	381.886	561.252	678.064	714.698
143.0	253.255	379.813	557.105	673.226	709.514
143.5	253.842	377.394	553.303	668.042	704.330
144.0	254.395	374.974	548.811	662.858	699.146
144.5	254.914	372.901	544.318	657.674	693.616
145.0	255.432	370.482	540.171	652.145	688.087
145.5	255.950	368.408	535.678	646.615	682.903
146.0	256.434	365.989	530.839	641.431	677.373
146.5	256.849	363.570	526.347	635.556	671.498
147.0	257.264	361.151	521.854	630.026	665.623
147.5	257.678	358.731	517.361	624.151	659.402
148.0	258.093	356.312	512.523	618.622	653.527
148.5	258.439	353.893	508.030	612.401	646.961
149.0	258.819	351.474	503.537	606.526	640.740
149.5	259.164	349.055	498.699	600.650	634.173
150.0	259.441	346.290	493.860	594.430	627.607
150.5	259.752	344.009	489.022	588.209	621.041
151.0	260.028	341.486	484.529	581.988	614.129
151.5	260.305	339.032	479.691	575.767	607.562
152.0	260.581	336.613	474.507	569.201	600.650
152.5	260.858	334.159	469.669	562.980	593.393
153.0	261.169	331.844	464.830	556.414	586.135
153.5	261.480	329.425	459.646	549.847	578.878
154.0	261.791	327.075	454.808	543.281	571.620
154.5	262.102	324.724	449.624	536.369	564.363
155.0	262.378	322.444	444.440	529.803	556.759
155.5	262.655	320.128	439.256	522.891	549.502
156.0	262.897	317.916	434.072	515.979	541.899
156.5	263.139	315.843	428.888	509.067	534.295
157.0	263.415	313.734	423.358	502.155	527.038
157.5	263.726	311.764	417.829	494.897	519.435
158.0	263.968	309.760	412.299	487.985	511.832
158.5	264.210	307.825	406.770	481.073	504.574
159.0	264.487	305.924	401.586	473.816	496.971
159.5	264.694	304.058	396.056	466.904	489.368
160.0	264.970	302.295	390.526	459.646	481.419
160.5	265.212	300.498	384.997	452.389	473.816
161.0	265.489	298.770	379.467	445.131	466.213
161.5	265.731	297.007	374.283	437.873	458.609
162.0	265.938	295.349	368.754	430.616	451.006
162.5	266.180	293.759	363.224	423.358	443.057
163.0	266.387	292.238	358.040	416.101	435.109
163.5	266.595	290.683	352.511	408.843	427.160
164.0	266.802	289.197	347.327	401.240	419.211
164.5	267.009	287.815	342.246	393.982	411.262
165.0	267.217	286.536	337.201	386.725	403.659
165.5	267.424	285.257	332.293	379.467	395.710
166.0	267.632	284.048	327.627	372.210	387.762
166.5	267.873	282.872	322.962	365.298	380.158

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : SDI5-4-L16-835-DMA-70U-30D-(L9)-DIM-UNV\_.IES****CANDELA TABULATION - (Cont.)**

167.0	268.046	281.767	318.538	358.040	372.210
167.5	268.254	280.661	314.391	351.128	364.607
168.0	268.426	279.555	310.382	344.354	357.003
168.5	268.599	278.483	306.615	337.719	349.400
169.0	268.772	277.516	303.055	331.222	342.073
169.5	268.945	276.617	299.530	325.105	334.989
170.0	269.083	275.719	296.213	319.264	328.146
170.5	269.221	274.958	293.033	313.804	321.752
171.0	269.325	274.129	290.095	308.827	315.670
171.5	269.429	273.334	287.331	304.127	309.967
172.0	269.463	272.643	284.842	299.669	304.956
172.5	269.498	271.986	282.561	295.418	300.049
173.0	269.532	271.364	280.419	291.582	295.452
173.5	269.567	270.811	278.414	288.022	291.305
174.0	269.601	270.224	276.513	284.670	287.400
174.5	269.601	269.705	274.820	281.870	283.909
175.0	269.601	269.256	273.230	279.244	280.730
175.5	269.601	268.807	271.882	276.859	277.896
176.0	269.567	268.426	270.673	274.682	275.408
176.5	269.532	268.115	269.532	272.816	273.161
177.0	269.463	267.804	268.599	271.157	271.226
177.5	269.429	267.528	267.770	269.774	269.671
178.0	269.394	267.321	267.148	268.772	268.392
178.5	269.394	267.217	266.664	267.839	267.390
179.0	269.360	267.113	266.284	267.286	266.698
179.5	269.360	267.009	266.111	266.940	266.284
180.0	266.906	266.906	266.906	266.906	266.906



**IES INDOOR REPORT****PHOTOMETRIC FILENAME : SDI5-4-L16-835-DMA-70U-30D-(L9)-DIM-UNV\_.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	100.54	N.A.	2.70
0-30	237.38	N.A.	6.50
0-40	430.11	N.A.	11.70
0-60	871.40	N.A.	23.80
0-80	1138.88	N.A.	31.10
0-90	1160.51	N.A.	31.70
10-90	1136.51	N.A.	31.00
20-40	329.57	N.A.	9.00
20-50	553.55	N.A.	15.10
40-70	612.76	N.A.	16.70
60-80	267.48	N.A.	7.30
70-80	96.01	N.A.	2.60
80-90	21.64	N.A.	0.60
90-110	403.54	N.A.	11.00
90-120	908.89	N.A.	24.80
90-130	1423.12	N.A.	38.90
90-150	2180.05	N.A.	59.50
90-180	2502.47	N.A.	68.30
110-180	2098.93	N.A.	57.30
0-180	3662.98	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	24.00
10-20	76.54
20-30	136.84
30-40	192.73
40-50	223.98
50-60	217.30
60-70	171.47
70-80	96.01
80-90	21.64
90-100	49.44
100-110	354.10
110-120	505.35
120-130	514.23
130-140	437.04
140-150	319.90
150-160	198.55
160-170	96.96
170-180	26.91

# IES INDOOR REPORT

PHOTOMETRIC FILENAME : SDI5-4-L16-835-DMA-70U-30D-(L9)-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-(L9)-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	8.9	9.2	10.0	11.5	11.6	12.3	12.7	13.4	14.9
	3H	9.6	10.3	10.7	11.4	12.9	13.4	14.1	14.5	15.2	16.7
	4H	10.0	10.6	11.1	11.7	13.3	14.0	14.7	15.1	15.8	17.3
	6H	10.2	10.8	11.3	11.9	13.4	14.4	15.0	15.5	16.1	17.6
	8H	10.2	10.8	11.3	11.9	13.4	14.5	15.0	15.6	16.1	17.7
	12H	10.2	10.7	11.3	11.8	13.4	14.5	15.0	15.6	16.1	17.7

### UGR Viewed Endwise

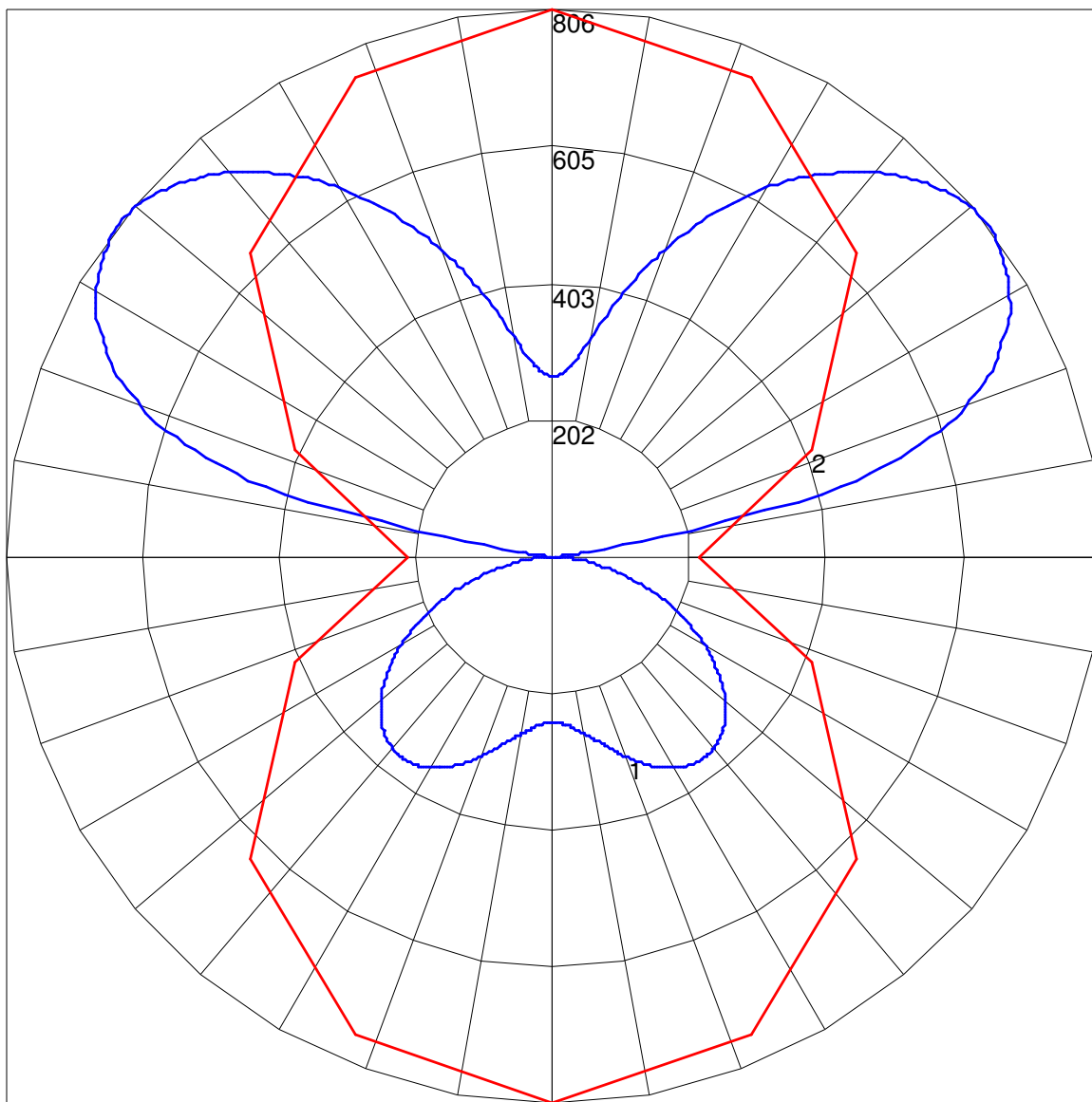
4H	2H	9.1	9.7	10.2	10.8	12.4	11.8	12.5	12.9	13.6	15.1
	3H	10.7	11.2	11.8	12.3	13.9	13.8	14.3	14.9	15.5	17.0
	4H	11.1	11.6	12.3	12.7	14.3	14.5	15.0	15.7	16.1	17.7
	6H	11.4	11.8	12.5	13.0	14.5	15.0	15.4	16.1	16.6	18.1
	8H	11.4	11.8	12.6	13.0	14.5	15.1	15.5	16.2	16.6	18.2
	12H	11.4	11.8	12.5	12.9	14.5	15.1	15.5	16.3	16.6	18.2
8H	4H	11.5	11.9	12.6	13.0	14.6	14.6	14.9	15.7	16.1	17.7
	6H	11.8	12.2	13.0	13.3	14.9	15.1	15.4	16.2	16.6	18.2
	8H	11.9	12.2	13.1	13.3	14.9	15.2	15.5	16.4	16.7	18.3
	12H	11.9	12.1	13.0	13.3	14.9	15.3	15.6	16.5	16.7	18.3
12H	4H	11.5	11.9	12.6	13.0	14.6	14.5	14.9	15.7	16.0	17.6
	6H	11.9	12.1	13.0	13.3	14.9	15.1	15.3	16.2	16.5	18.1
	8H	11.9	12.2	13.1	13.3	15.0	15.2	15.5	16.4	16.6	18.2

Maximum UGR = 18.3

# IES INDOOR REPORT

PHOTOMETRIC FILENAME : SDI5-4-L16-835-DMA-70U-30D-(L9)-DIM-UNV\_.IES

## POLAR GRAPH



Maximum Candela = 806.282 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.)