



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : SDI5-4-L16-835-DMA-70U-30D-(L9)-EM10WLP-DIM-UNV\_(EMER MODE).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)-EM10WLP-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	1450
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	145
Total Luminaire Watts	10
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	964	1007	1143
55	967	954	1047
65	916	796	851
75	740	522	535
85	304	139	135

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	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0.0	97.146	97.146	97.146	97.146	97.146
0.5	98.254	97.269	96.776	97.063	96.762
1.0	98.254	97.282	96.817	97.132	96.845
1.5	98.267	97.310	96.872	97.255	96.968
2.0	98.267	97.337	96.968	97.405	97.146
2.5	98.281	97.364	97.091	97.597	97.378
3.0	98.295	97.419	97.228	97.843	97.665
3.5	98.308	97.474	97.392	98.117	98.007
4.0	98.322	97.529	97.570	98.431	98.390
4.5	98.336	97.597	97.788	98.773	98.801
5.0	98.363	97.693	98.021	99.170	99.266
5.5	98.377	97.775	98.267	99.581	99.772
6.0	98.404	97.871	98.541	100.046	100.333
6.5	98.431	97.980	98.828	100.525	100.921
7.0	98.459	98.103	99.143	101.044	101.551
7.5	98.500	98.213	99.471	101.605	102.194
8.0	98.541	98.349	99.827	102.180	102.891
8.5	98.596	98.486	100.196	102.782	103.056
9.0	98.637	98.637	100.579	102.919	103.808
9.5	98.691	98.787	100.990	103.562	104.533
10.0	98.746	98.938	101.414	104.218	105.326
10.5	98.787	99.102	101.838	104.916	106.106
11.0	98.842	99.266	102.289	105.655	106.421
11.5	98.910	99.444	102.741	106.229	107.283
12.0	98.965	99.622	103.220	106.640	108.145
12.5	99.033	99.813	103.261	107.420	109.007
13.0	99.088	100.005	103.698	108.227	109.909
13.5	99.157	100.196	104.218	109.020	110.840
14.0	99.198	100.401	104.738	109.868	111.784
14.5	99.252	100.593	105.285	110.717	112.782
15.0	99.307	100.798	105.586	111.578	113.754
15.5	99.362	101.003	106.024	112.454	114.766
16.0	99.416	101.222	106.462	113.357	115.778
16.5	99.471	101.428	107.050	114.315	116.845
17.0	99.512	101.633	107.652	115.231	117.872
17.5	99.553	101.838	108.227	116.175	118.911
18.0	99.594	102.057	108.829	117.160	119.992
18.5	99.622	102.262	109.431	118.118	121.114
19.0	99.649	102.467	110.046	119.103	122.236
19.5	99.676	102.672	110.621	120.074	123.330
20.0	99.690	102.864	111.236	121.018	124.466
20.5	99.717	103.056	111.811	121.962	125.574
21.0	99.717	103.247	112.386	122.892	126.668
21.5	99.717	103.439	112.974	123.823	127.804
22.0	99.717	103.616	113.535	124.739	128.871
22.5	99.717	103.794	114.082	125.642	129.938
23.0	99.704	103.958	114.643	126.518	130.977
23.5	99.690	103.863	115.149	127.434	131.949
24.0	99.663	103.740	115.683	128.282	132.906
24.5	99.622	103.890	116.189	129.131	133.850
25.0	99.594	104.027	116.668	129.965	134.726
25.5	99.540	104.150	117.188	130.772	135.643
26.0	99.485	104.259	117.666	131.552	136.504
26.5	99.416	104.355	118.118	132.277	137.353

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27.0	99.348	104.451	118.597	132.989	138.173
27.5	99.252	104.519	118.980	133.700	138.994
28.0	99.157	104.588	119.390	134.384	139.815
28.5	99.047	104.642	119.773	135.013	140.499
29.0	98.910	104.656	120.115	135.629	141.183
29.5	98.773	104.670	120.430	136.203	141.867
30.0	98.623	104.670	120.744	136.764	142.551
30.5	98.459	104.629	120.977	137.216	143.098
31.0	98.281	104.601	121.264	137.763	143.782
31.5	98.089	104.533	121.470	138.173	144.330
32.0	97.884	104.465	121.661	138.584	144.740
32.5	97.665	104.383	121.812	138.994	145.287
33.0	97.433	104.273	121.962	139.268	145.561
33.5	97.187	104.300	122.071	139.678	145.971
34.0	96.927	104.259	122.126	139.815	146.245
34.5	96.653	104.082	122.181	140.089	146.519
35.0	96.366	103.904	122.195	140.226	146.655
35.5	96.065	103.958	122.181	140.362	146.792
36.0	95.750	103.740	122.154	140.362	146.929
36.5	95.422	103.493	122.071	140.362	147.066
37.0	95.080	103.233	121.962	140.362	147.066
37.5	94.724	102.946	121.839	140.362	147.066
38.0	94.341	102.631	121.661	140.226	146.929
38.5	93.958	102.303	121.483	140.089	146.792
39.0	93.548	101.947	121.264	139.952	146.655
39.5	93.123	101.578	121.004	139.678	146.519
40.0	92.672	101.181	120.717	139.405	146.108
40.5	92.221	100.771	120.389	139.131	145.835
41.0	91.755	100.347	120.033	138.721	145.424
41.5	91.277	99.895	119.677	138.447	145.014
42.0	90.784	99.416	119.253	137.900	144.603
42.5	90.264	98.938	118.802	137.489	144.056
43.0	89.731	98.431	118.309	136.942	143.509
43.5	89.183	97.898	117.789	136.381	142.962
44.0	88.609	97.351	117.229	135.752	142.278
44.5	88.021	96.790	116.654	135.109	141.594
45.0	87.432	96.202	116.011	134.398	140.910
45.5	86.817	95.586	115.382	133.632	140.089
46.0	86.187	94.957	114.670	132.865	139.268
46.5	85.558	94.300	113.973	132.072	138.447
47.0	84.888	93.630	113.220	131.210	137.489
47.5	84.217	92.918	112.440	130.321	136.559
48.0	83.533	92.207	111.647	129.377	135.602
48.5	82.822	91.454	110.812	128.406	134.603
49.0	82.111	90.688	109.978	127.407	133.522
49.5	81.358	89.909	109.061	126.353	132.469
50.0	80.619	89.101	108.145	125.273	131.306
50.5	79.840	88.281	107.201	124.178	130.143
51.0	79.060	87.446	106.229	123.043	128.925
51.5	78.266	86.584	105.368	121.853	127.653
52.0	77.459	85.695	104.697	120.621	126.353
52.5	76.625	84.792	103.630	119.390	125.026
53.0	75.790	83.875	103.042	118.104	123.658
53.5	74.942	82.945	101.893	116.791	122.236
54.0	74.066	81.987	100.730	115.409	120.799
54.5	73.191	81.030	99.553	114.041	119.294

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55.0	72.302	80.045	98.336	112.618	117.776
55.5	71.385	79.060	97.104	111.154	116.244
56.0	70.441	78.047	95.846	109.677	114.643
56.5	69.483	77.008	94.574	108.186	113.070
57.0	68.540	75.941	93.274	107.037	111.483
57.5	67.568	74.874	91.961	105.586	109.855
58.0	66.570	73.779	90.606	103.986	108.158
58.5	65.585	72.671	89.224	102.358	107.023
59.0	64.586	71.536	87.829	100.826	105.326
59.5	63.615	70.386	86.406	99.581	103.589
60.0	62.616	69.224	84.984	97.871	101.824
60.5	61.617	68.061	83.520	96.174	100.073
61.0	60.618	66.912	82.056	94.450	98.787
61.5	59.592	65.749	80.551	92.713	96.954
62.0	58.525	64.572	79.060	90.962	95.093
62.5	57.417	63.382	77.555	89.183	93.206
63.0	56.309	62.178	76.023	87.391	91.331
63.5	55.187	60.960	74.504	85.599	89.389
64.0	54.052	59.729	72.972	83.793	87.460
64.5	52.916	58.484	71.440	82.001	85.544
65.0	51.767	57.239	69.908	80.209	83.643
65.5	50.604	55.981	68.362	78.389	81.714
66.0	49.441	54.708	66.788	76.597	79.785
66.5	48.265	53.423	65.201	74.792	77.870
67.0	47.088	52.123	63.615	72.958	75.941
67.5	45.885	50.810	62.014	71.098	73.984
68.0	44.681	49.483	60.413	69.210	72.014
68.5	43.463	48.128	58.772	67.281	70.003
69.0	42.232	46.787	57.089	65.338	67.979
69.5	41.001	45.433	55.406	63.382	65.927
70.0	39.756	44.065	53.696	61.412	63.888
70.5	38.511	42.683	51.986	59.415	61.822
71.0	37.252	41.302	50.276	57.431	59.757
71.5	35.994	39.906	48.539	55.447	57.691
72.0	34.721	38.497	46.801	53.450	55.625
72.5	33.435	37.074	45.050	51.453	53.587
73.0	32.149	35.665	43.326	49.483	51.535
73.5	30.877	34.256	41.603	47.526	49.483
74.0	29.591	32.874	39.906	45.570	47.444
74.5	28.346	31.493	38.210	43.641	45.406
75.0	27.087	30.111	36.527	41.698	43.381
75.5	25.843	28.729	34.858	39.769	41.329
76.0	24.584	27.347	33.189	37.854	39.332
76.5	23.339	25.979	31.561	35.966	37.334
77.0	22.108	24.625	29.933	34.092	35.364
77.5	20.890	23.284	28.332	32.231	33.422
78.0	19.673	21.957	26.732	30.384	31.506
78.5	18.455	20.644	25.131	28.565	29.605
79.0	17.265	19.331	23.558	26.773	27.717
79.5	16.088	18.058	21.985	24.994	25.870
80.0	14.939	16.786	20.466	23.243	24.078
80.5	13.804	15.555	18.948	21.547	22.313
81.0	12.682	14.324	17.456	19.878	20.576
81.5	11.574	13.120	16.006	18.236	18.879
82.0	10.479	11.943	14.570	16.622	17.224
82.5	9.494	10.780	13.174	15.062	15.596

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83.0	8.496	9.658	11.820	13.557	14.036
83.5	7.511	8.578	10.520	12.107	12.518
84.0	6.539	7.538	9.275	10.685	11.040
84.5	5.609	6.539	8.085	9.330	9.631
85.0	4.733	5.568	6.950	8.044	8.277
85.5	3.885	4.651	5.883	6.827	7.004
86.0	3.092	3.790	4.898	5.705	5.814
86.5	2.339	3.010	3.981	4.679	4.733
87.0	1.655	2.285	3.160	3.748	3.721
87.5	1.067	1.655	2.435	2.873	2.791
88.0	0.561	1.108	1.737	2.093	2.011
88.5	0.137	0.657	1.177	1.519	1.546
89.0	0.000	0.383	0.821	1.135	1.135
89.5	0.000	0.178	0.602	0.889	0.766
90.0	0.000	0.315	0.670	0.958	0.780
90.5	0.000	0.643	0.862	0.848	0.807
91.0	0.137	1.218	1.587	1.546	1.519
91.5	0.465	1.902	2.421	2.545	2.421
92.0	0.848	2.627	3.270	3.502	3.434
92.5	1.313	3.447	4.173	4.405	4.323
93.0	1.847	4.911	5.007	5.390	5.308
93.5	2.449	7.907	5.801	6.307	6.293
94.0	3.092	11.259	6.703	7.182	7.182
94.5	3.790	15.213	7.716	8.085	8.085
95.0	4.556	20.576	8.892	9.111	9.070
95.5	5.363	25.596	10.356	10.260	10.165
96.0	6.225	29.468	13.557	11.546	11.396
96.5	7.155	34.037	20.384	12.955	12.737
97.0	8.140	39.126	28.975	14.460	14.200
97.5	9.166	43.299	38.046	16.540	15.746
98.0	10.137	46.787	49.619	21.711	17.443
98.5	11.232	50.125	63.656	31.192	21.314
99.0	12.367	54.353	77.610	41.794	29.824
99.5	13.571	58.772	87.254	52.615	41.165
100.0	14.802	62.301	95.244	66.556	52.178
100.5	16.047	65.913	102.317	84.778	64.572
101.0	17.333	69.100	108.952	105.395	81.427
101.5	18.647	72.603	116.203	124.903	102.618
102.0	20.001	75.968	122.126	138.310	126.641
102.5	21.383	78.896	128.269	149.118	147.203
103.0	22.805	81.892	135.396	159.105	160.883
103.5	24.242	84.942	141.867	167.313	172.512
104.0	25.692	88.048	146.382	174.153	182.909
104.5	27.156	91.482	149.528	181.541	190.844
105.0	28.661	95.121	153.496	189.202	197.137
105.5	30.152	98.473	158.694	195.632	203.977
106.0	31.657	101.728	164.166	201.788	211.638
106.5	33.175	104.930	169.502	208.628	218.478
107.0	34.708	107.939	174.016	215.605	224.361
107.5	36.212	110.771	177.710	221.078	230.517
108.0	37.690	113.576	180.583	225.182	237.494
108.5	39.181	116.134	183.593	228.465	243.924
109.0	40.672	118.556	187.013	231.885	248.986
109.5	42.177	120.922	191.254	235.989	252.953
110.0	43.641	123.275	195.495	240.504	256.237
110.5	45.077	125.628	199.189	244.882	259.657

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111.0	46.486	127.940	201.925	249.259	263.350
111.5	47.896	130.225	204.524	253.227	267.455
112.0	49.318	132.373	207.123	256.921	271.422
112.5	50.768	134.452	209.723	259.793	275.252
113.0	52.219	136.463	212.322	262.119	278.673
113.5	53.655	138.310	214.784	264.445	281.819
114.0	55.064	140.089	217.247	266.771	284.282
114.5	56.446	141.867	219.436	269.643	286.471
115.0	57.828	143.646	222.035	272.927	288.249
115.5	59.209	145.287	224.771	276.073	290.164
116.0	60.550	146.929	227.371	278.536	292.353
116.5	61.850	148.434	229.970	280.451	295.226
117.0	63.122	149.939	232.432	282.093	298.099
117.5	64.381	151.170	234.621	283.871	300.698
118.0	65.653	152.401	236.810	285.513	302.477
118.5	66.898	153.632	238.725	287.291	303.708
119.0	68.115	154.727	240.504	288.933	305.076
119.5	69.306	155.685	242.146	290.438	306.444
120.0	70.441	156.642	243.377	291.943	307.949
120.5	71.536	157.326	244.608	293.174	309.180
121.0	72.589	158.147	245.566	294.405	310.411
121.5	73.615	158.831	246.523	295.773	311.369
122.0	74.627	159.515	247.207	297.005	312.327
122.5	75.640	160.062	247.755	298.236	313.148
123.0	76.638	160.610	248.165	299.330	313.968
123.5	77.610	161.294	248.575	300.151	314.789
124.0	78.554	161.704	248.849	300.972	315.747
124.5	79.470	162.114	249.123	301.656	316.568
125.0	80.387	162.388	249.259	302.203	317.252
125.5	81.290	162.662	249.396	302.614	317.936
126.0	82.179	162.935	249.533	302.887	318.483
126.5	83.068	162.935	249.670	303.161	318.757
127.0	83.930	163.072	249.670	303.161	319.030
127.5	84.765	163.072	249.670	303.024	319.167
128.0	85.558	163.072	249.670	302.887	319.030
128.5	86.324	162.935	249.533	302.614	319.030
129.0	87.077	162.798	249.396	302.203	318.757
129.5	87.802	162.662	249.123	301.793	318.346
130.0	88.513	162.525	248.849	301.245	317.799
130.5	89.183	162.525	248.439	300.561	317.252
131.0	89.840	162.251	248.028	299.877	316.568
131.5	90.483	162.114	247.344	299.057	315.747
132.0	91.112	161.841	246.797	298.373	314.926
132.5	91.714	161.704	246.113	297.415	313.968
133.0	92.289	161.567	245.292	296.457	313.011
133.5	92.864	161.294	244.471	295.500	311.916
134.0	93.411	161.020	243.514	294.405	310.822
134.5	93.944	160.746	242.556	293.311	309.591
135.0	94.450	160.473	241.598	292.080	308.359
135.5	94.929	160.199	240.641	290.848	306.991
136.0	95.381	159.789	239.546	289.617	305.623
136.5	95.832	159.241	238.315	288.249	304.255
137.0	96.270	158.831	237.221	286.881	302.750
137.5	96.694	158.284	236.126	285.513	301.245
138.0	97.104	157.737	234.895	284.008	299.604
138.5	97.501	157.189	233.664	282.503	297.962

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : SDI5-4-L16-835-DMA-70U-30D-(L9)-EM10WLP-DIM-UNV\_(EMER MODE).IES****CANDELA TABULATION - (Cont.)**

139.0	97.871	156.505	232.296	280.998	296.320
139.5	98.226	155.821	230.928	279.357	294.542
140.0	98.568	155.137	229.559	277.715	292.627
140.5	98.883	154.453	228.191	275.936	290.848
141.0	99.198	153.769	226.687	274.158	288.933
141.5	99.485	152.948	225.182	272.243	286.881
142.0	99.745	151.991	223.677	270.327	284.966
142.5	100.005	151.170	222.172	268.412	282.914
143.0	100.251	150.349	220.530	266.497	280.861
143.5	100.484	149.391	219.025	264.445	278.809
144.0	100.702	148.434	217.247	262.393	276.757
144.5	100.908	147.613	215.469	260.341	274.568
145.0	101.113	146.655	213.827	258.152	272.380
145.5	101.318	145.835	212.048	255.963	270.327
146.0	101.510	144.877	210.133	253.911	268.139
146.5	101.674	143.919	208.355	251.585	265.813
147.0	101.838	142.962	206.576	249.396	263.487
147.5	102.002	142.004	204.798	247.071	261.025
148.0	102.166	141.046	202.882	244.882	258.699
148.5	102.303	140.089	201.104	242.419	256.100
149.0	102.454	139.131	199.325	240.093	253.637
149.5	102.590	138.173	197.410	237.768	251.038
150.0	102.700	137.079	195.495	235.305	248.439
150.5	102.823	136.176	193.580	232.843	245.839
151.0	102.932	135.177	191.801	230.380	243.103
151.5	103.042	134.206	189.886	227.918	240.504
152.0	103.151	133.248	187.834	225.318	237.768
152.5	103.261	132.277	185.919	222.856	234.895
153.0	103.384	131.361	184.003	220.257	232.022
153.5	103.507	130.403	181.951	217.657	229.149
154.0	103.630	129.473	180.036	215.058	226.276
154.5	103.753	128.542	177.984	212.322	223.403
155.0	103.863	127.639	175.932	209.723	220.393
155.5	103.972	126.723	173.880	206.987	217.521
156.0	104.068	125.847	171.828	204.250	214.511
156.5	104.164	125.026	169.776	201.514	211.501
157.0	104.273	124.192	167.587	198.778	208.628
157.5	104.396	123.412	165.398	195.905	205.619
158.0	104.492	122.619	163.209	193.169	202.609
158.5	104.588	121.853	161.020	190.433	199.736
159.0	104.697	121.100	158.968	187.560	196.726
159.5	104.779	120.361	156.779	184.824	193.716
160.0	104.889	119.664	154.590	181.951	190.570
160.5	104.984	118.952	152.401	179.078	187.560
161.0	105.094	118.268	150.212	176.205	184.550
161.5	105.190	117.571	148.160	173.332	181.541
162.0	105.272	116.914	145.971	170.460	178.531
162.5	105.368	116.285	143.782	167.587	175.385
163.0	105.450	115.683	141.730	164.714	172.238
163.5	105.532	115.067	139.542	161.841	169.091
164.0	105.614	114.479	137.489	158.831	165.945
164.5	105.696	113.932	135.478	155.958	162.798
165.0	105.778	113.425	133.481	153.085	159.789
165.5	105.860	112.919	131.538	150.212	156.642
166.0	105.942	112.440	129.692	147.339	153.496
166.5	106.038	111.975	127.845	144.603	150.486

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : SDI5-4-L16-835-DMA-70U-30D-(L9)-EM10WLP-DIM-UNV\_(EMER MODE).IES****CANDELA TABULATION - (Cont.)**

167.0	106.106	111.537	126.094	141.730	147.339
167.5	106.188	111.100	124.452	138.994	144.330
168.0	106.257	110.662	122.865	136.313	141.320
168.5	106.325	110.238	121.374	133.686	138.310
169.0	106.394	109.855	119.965	131.114	135.410
169.5	106.462	109.499	118.569	128.693	132.605
170.0	106.517	109.143	117.256	126.381	129.897
170.5	106.571	108.842	115.997	124.219	127.366
171.0	106.612	108.514	114.834	122.249	124.958
171.5	106.653	108.199	113.740	120.389	122.701
172.0	106.667	107.926	112.755	118.624	120.717
172.5	106.681	107.666	111.852	116.941	118.774
173.0	106.695	107.420	111.004	115.423	116.955
173.5	106.708	107.201	110.210	114.014	115.313
174.0	106.722	106.968	109.458	112.687	113.767
174.5	106.722	106.763	108.788	111.578	112.386
175.0	106.722	106.585	108.158	110.539	111.127
175.5	106.722	106.407	107.625	109.595	110.005
176.0	106.708	106.257	107.146	108.733	109.020
176.5	106.695	106.134	106.695	107.994	108.131
177.0	106.667	106.011	106.325	107.338	107.365
177.5	106.653	105.901	105.997	106.790	106.749
178.0	106.640	105.819	105.751	106.394	106.243
178.5	106.640	105.778	105.559	106.024	105.846
179.0	106.626	105.737	105.409	105.805	105.573
179.5	106.626	105.696	105.340	105.668	105.409
180.0	105.655	105.655	105.655	105.655	105.655



**IES INDOOR REPORT****PHOTOMETRIC FILENAME : SDI5-4-L16-835-DMA-70U-30D-(L9)-EM10WLP-DIM-UNV\_(EMER MODE).IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	39.80	N.A.	2.70
0-30	93.97	N.A.	6.50
0-40	170.26	N.A.	11.70
0-60	344.94	N.A.	23.80
0-80	450.83	N.A.	31.10
0-90	459.39	N.A.	31.70
10-90	449.89	N.A.	31.00
20-40	130.46	N.A.	9.00
20-50	219.12	N.A.	15.10
40-70	242.56	N.A.	16.70
60-80	105.88	N.A.	7.30
70-80	38.01	N.A.	2.60
80-90	8.56	N.A.	0.60
90-110	159.74	N.A.	11.00
90-120	359.79	N.A.	24.80
90-130	563.34	N.A.	38.90
90-150	862.98	N.A.	59.50
90-180	990.60	N.A.	68.30
110-180	830.86	N.A.	57.30
0-180	1449.99	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	9.50
10-20	30.30
20-30	54.17
30-40	76.29
40-50	88.66
50-60	86.02
60-70	67.88
70-80	38.01
80-90	8.56
90-100	19.57
100-110	140.17
110-120	200.04
120-130	203.56
130-140	173.00
140-150	126.63
150-160	78.59
160-170	38.38
170-180	10.65

# IES INDOOR REPORT

PHOTOMETRIC FILENAME : SDI5-4-L16-835-DMA-70U-30D-(L9)-EM10WLP-DIM-UNV\_(EMER MODE).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)-EM10WLP-DIM-UNV\_(EMER MODE).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	4.9	5.7	6.0	6.8	8.3	8.4	9.1	9.5	10.2	11.7
	3H	6.4	7.1	7.5	8.2	9.7	10.2	10.9	11.3	12.0	13.5
	4H	6.8	7.4	7.9	8.5	10.1	10.8	11.5	11.9	12.6	14.1
	6H	7.0	7.6	8.1	8.7	10.2	11.2	11.8	12.3	12.9	14.4
	8H	7.0	7.6	8.1	8.7	10.2	11.3	11.8	12.4	12.9	14.5
	12H	7.0	7.5	8.1	8.6	10.2	11.3	11.8	12.4	12.9	14.5

### UGR Viewed Endwise

4H	2H	5.9	6.5	7.0	7.6	9.2	8.6	9.3	9.7	10.4	11.9
	3H	7.5	8.0	8.6	9.1	10.7	10.6	11.1	11.7	12.3	13.8
	4H	7.9	8.4	9.1	9.5	11.1	11.3	11.8	12.5	12.9	14.5
	6H	8.2	8.6	9.3	9.8	11.3	11.8	12.2	12.9	13.4	14.9
	8H	8.2	8.6	9.4	9.7	11.3	11.9	12.3	13.0	13.4	15.0
	12H	8.2	8.5	9.3	9.7	11.3	11.9	12.3	13.1	13.4	15.0

8H	4H	8.3	8.7	9.4	9.8	11.4	11.4	11.7	12.5	12.9	14.5
	6H	8.6	9.0	9.8	10.1	11.7	11.9	12.2	13.0	13.4	15.0
	8H	8.7	9.0	9.8	10.1	11.7	12.0	12.3	13.2	13.5	15.1
	12H	8.7	8.9	9.8	10.1	11.7	12.1	12.4	13.3	13.5	15.1

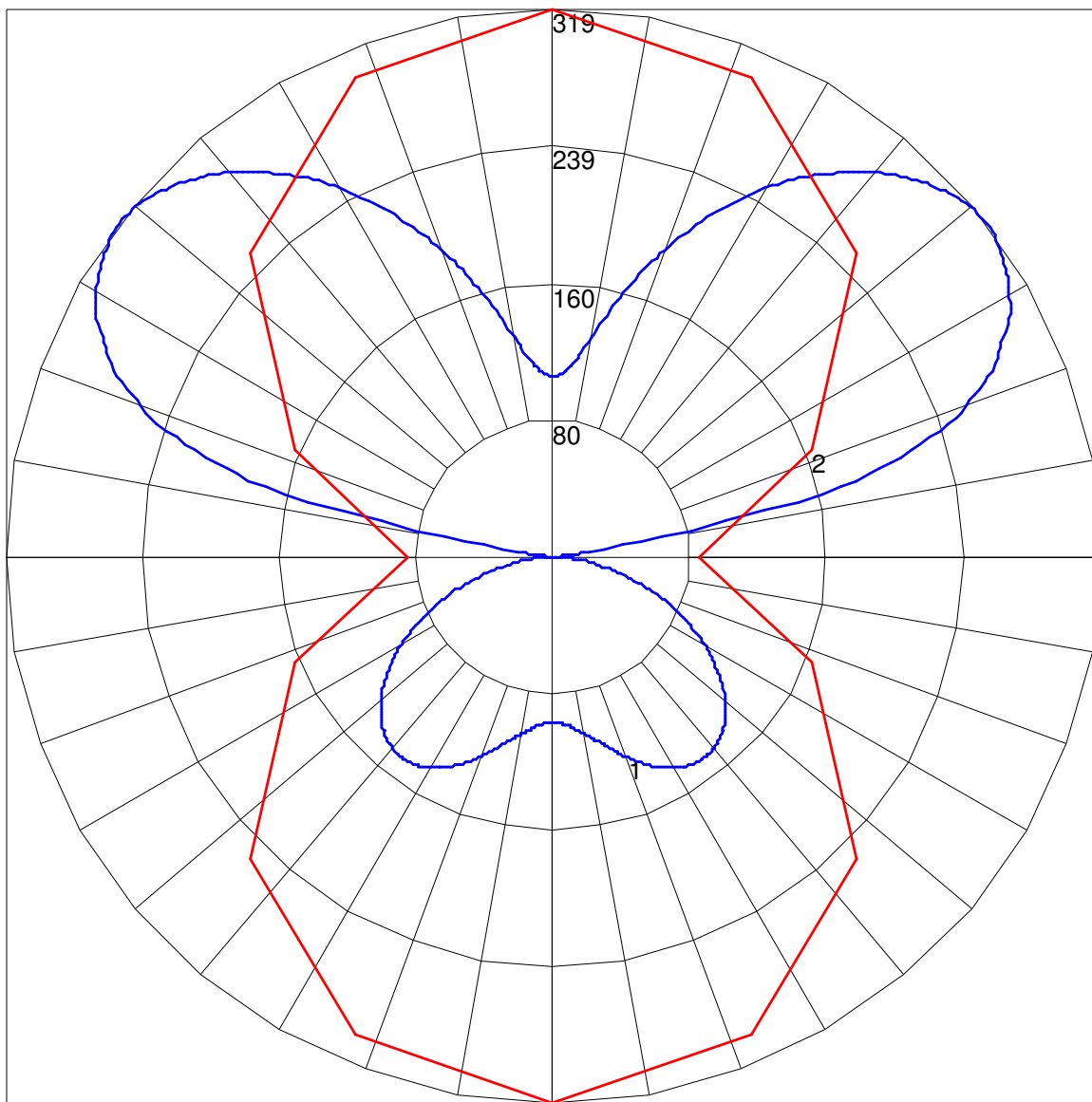
12H	4H	8.3	8.7	9.4	9.8	11.4	11.3	11.7	12.4	12.8	14.4
	6H	8.7	8.9	9.8	10.1	11.7	11.9	12.1	13.0	13.3	14.9
	8H	8.7	9.0	9.9	10.1	11.8	12.0	12.3	13.2	13.4	15.0

Maximum UGR = 15.1

# IES INDOOR REPORT

PHOTOMETRIC FILENAME : SDI5-4-L16-835-DMA-70U-30D-(L9)-EM10WLP-DIM-UNV\_(EMER MODE).IES

## POLAR GRAPH



Maximum Candela = 319.167 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.)