



IES INDOOR REPORT

PHOTOMETRIC FILENAME : SDI5-4-L16-840-DMA-70U-30D-(L11)-(LPW150)-DIM-UNV_.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] GEN FROM 12731921.03
 [TESTLAB] UL Verification Services Inc.
 [ISSUEDATE] 05-JAN-2024
 [MANUFAC] WILLIAMS INDOOR
 [OTHER] H.E. WILLIAMS, INC. - CARTHAGE, MO 64836
 [LUMINAIRE] 4' SUSPENDED DIRECT-INDIRECT LINEAR LED
 [MORE] WITH FROSTED ACRYLIC LENS
 [LUMCAT] SDI5-4-L16-840-DMA-70U-30D-(L11)-(LPW150)-DIM-UNV
 [LAMPCAT] HLMX 80 CRI, 4000K 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	4551
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	150
Total Luminaire Watts	30.3
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)	4.00 ft
Luminous Width (90-270)	0.67 ft
Luminous Height	0.15 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	1509	1758	2068
55	1516	1724	1979
65	1437	1508	1704
75	1165	1067	1167
85	485	329	343

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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	304.903	304.903	304.903	304.903	304.903
0.5	308.381	305.289	303.743	304.645	303.701
1.0	308.381	305.332	303.872	304.860	303.958
1.5	308.424	305.418	304.044	305.246	304.345
2.0	308.424	305.504	304.345	305.719	304.903
2.5	308.467	305.590	304.731	306.320	305.633
3.0	308.510	305.762	305.160	307.093	306.534
3.5	308.553	305.933	305.676	307.951	307.608
4.0	308.595	306.105	306.234	308.939	308.810
4.5	308.638	306.320	306.921	310.012	310.098
5.0	308.724	306.620	307.651	311.258	311.558
5.5	308.767	306.878	308.424	312.546	313.147
6.0	308.853	307.179	309.282	314.006	314.907
6.5	308.939	307.522	310.184	315.508	316.754
7.0	309.025	307.908	311.172	317.140	318.729
7.5	309.154	308.252	312.202	318.901	320.747
8.0	309.282	308.681	313.319	320.704	322.937
8.5	309.454	309.111	314.478	322.593	323.452
9.0	309.583	309.583	315.680	323.023	325.814
9.5	309.755	310.055	316.968	325.041	328.089
10.0	309.927	310.528	318.299	327.102	330.580
10.5	310.055	311.043	319.631	329.292	333.027
11.0	310.227	311.558	321.047	331.610	334.015
11.5	310.442	312.116	322.464	333.414	336.720
12.0	310.614	312.675	323.967	334.702	339.425
12.5	310.828	313.276	324.096	337.149	342.130
13.0	311.000	313.877	325.470	339.683	344.964
13.5	311.215	314.478	327.102	342.173	347.884
14.0	311.344	315.122	328.733	344.835	350.846
14.5	311.515	315.723	330.451	347.497	353.981
15.0	311.687	316.367	331.396	350.202	357.030
15.5	311.859	317.011	332.770	352.950	360.207
16.0	312.031	317.698	334.144	355.784	363.384
16.5	312.202	318.342	335.990	358.790	366.734
17.0	312.331	318.986	337.879	361.667	369.954
17.5	312.460	319.631	339.683	364.630	373.217
18.0	312.589	320.318	341.572	367.721	376.609
18.5	312.675	320.962	343.461	370.727	380.130
19.0	312.760	321.606	345.393	373.818	383.651
19.5	312.846	322.250	347.197	376.867	387.086
20.0	312.889	322.851	349.129	379.830	390.650
20.5	312.975	323.452	350.932	382.792	394.128
21.0	312.975	324.053	352.736	385.712	397.563
21.5	312.975	324.654	354.582	388.632	401.127
22.0	312.975	325.212	356.343	391.509	404.476
22.5	312.975	325.771	358.060	394.343	407.825
23.0	312.932	326.286	359.821	397.091	411.088
23.5	312.889	325.985	361.409	399.968	414.137
24.0	312.803	325.599	363.084	402.630	417.143
24.5	312.675	326.071	364.673	405.292	420.105
25.0	312.589	326.501	366.175	407.911	422.854
25.5	312.417	326.887	367.807	410.444	425.730
26.0	312.245	327.231	369.310	412.892	428.435
26.5	312.031	327.531	370.727	415.168	431.098

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SDI5-4-L16-840-DMA-70U-30D-(L11)-(LPW150)-DIM-UNV_.IES****CANDELA TABULATION - (Cont.)**

27.0	311.816	327.832	372.230	417.400	433.674
27.5	311.515	328.046	373.432	419.633	436.250
28.0	311.215	328.261	374.720	421.780	438.826
28.5	310.871	328.433	375.922	423.755	440.973
29.0	310.442	328.476	376.996	425.687	443.120
29.5	310.012	328.519	377.983	427.491	445.267
30.0	309.540	328.519	378.971	429.251	447.414
30.5	309.025	328.390	379.701	430.668	449.132
31.0	308.467	328.304	380.603	432.386	451.278
31.5	307.866	328.089	381.247	433.674	452.996
32.0	307.221	327.875	381.848	434.962	454.284
32.5	306.534	327.617	382.320	436.250	456.002
33.0	305.804	327.274	382.792	437.109	456.860
33.5	305.032	327.359	383.136	438.397	458.149
34.0	304.216	327.231	383.308	438.826	459.007
34.5	303.357	326.672	383.479	439.685	459.866
35.0	302.455	326.114	383.522	440.115	460.295
35.5	301.511	326.286	383.479	440.544	460.725
36.0	300.523	325.599	383.393	440.544	461.154
36.5	299.493	324.826	383.136	440.544	461.584
37.0	298.419	324.010	382.792	440.544	461.584
37.5	297.303	323.109	382.406	440.544	461.584
38.0	296.101	322.121	381.848	440.115	461.154
38.5	294.898	321.090	381.290	439.685	460.725
39.0	293.610	319.974	380.603	439.256	460.295
39.5	292.279	318.815	379.787	438.397	459.866
40.0	290.862	317.570	378.885	437.538	458.578
40.5	289.445	316.281	377.854	436.680	457.719
41.0	287.985	314.950	376.738	435.391	456.431
41.5	286.482	313.533	375.622	434.533	455.143
42.0	284.937	312.031	374.291	432.815	453.855
42.5	283.305	310.528	372.874	431.527	452.137
43.0	281.630	308.939	371.328	429.809	450.420
43.5	279.913	307.264	369.696	428.049	448.702
44.0	278.109	305.547	367.936	426.074	446.555
44.5	276.263	303.786	366.132	424.056	444.408
45.0	274.417	301.940	364.114	421.823	442.261
45.5	272.485	300.008	362.139	419.418	439.685
46.0	270.509	298.033	359.906	417.014	437.109
46.5	268.534	295.972	357.717	414.524	434.533
47.0	266.430	293.868	355.355	411.818	431.527
47.5	264.326	291.635	352.907	409.027	428.607
48.0	262.179	289.402	350.417	406.065	425.602
48.5	259.947	287.041	347.798	403.016	422.467
49.0	257.714	284.636	345.179	399.882	419.075
49.5	255.352	282.189	342.302	396.575	415.769
50.0	253.034	279.655	339.425	393.183	412.119
50.5	250.586	277.079	336.462	389.748	408.469
51.0	248.139	274.460	333.414	386.184	404.648
51.5	245.648	271.755	330.709	382.449	400.655
52.0	243.115	268.964	328.605	378.584	396.575
52.5	240.496	266.130	325.255	374.720	392.410
53.0	237.877	263.253	323.409	370.684	388.117
53.5	235.214	260.333	319.802	366.562	383.651
54.0	232.466	257.327	316.153	362.225	379.143
54.5	229.718	254.322	312.460	357.931	374.419

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55.0	226.927	251.230	308.638	353.466	369.653
55.5	224.051	248.139	304.774	348.871	364.844
56.0	221.088	244.961	300.824	344.234	359.821
56.5	218.082	241.698	296.830	339.554	354.883
57.0	215.119	238.349	292.751	335.947	349.902
57.5	212.071	235.000	288.629	331.396	344.792
58.0	208.936	231.565	284.378	326.372	339.468
58.5	205.845	228.087	280.042	321.262	335.904
59.0	202.710	224.523	275.662	316.453	330.580
59.5	199.662	220.916	271.196	312.546	325.127
60.0	196.527	217.266	266.731	307.179	319.588
60.5	193.393	213.617	262.137	301.854	314.092
61.0	190.258	210.010	257.542	296.444	310.055
61.5	187.038	206.360	252.819	290.991	304.302
62.0	183.689	202.667	248.139	285.495	298.462
62.5	180.211	198.932	243.416	279.913	292.537
63.0	176.733	195.153	238.607	274.288	286.654
63.5	173.212	191.332	233.840	268.663	280.557
64.0	169.648	187.467	229.031	262.995	274.503
64.5	166.084	183.560	224.222	257.370	268.491
65.0	162.477	179.653	219.413	251.746	262.523
65.5	158.828	175.702	214.561	246.035	256.469
66.0	155.178	171.709	209.623	240.410	250.414
66.5	151.485	167.673	204.643	234.742	244.403
67.0	147.793	163.594	199.662	228.988	238.349
67.5	144.014	159.472	194.638	223.149	232.209
68.0	140.236	155.307	189.614	217.223	226.026
68.5	136.414	151.056	184.462	211.169	219.714
69.0	132.550	146.848	179.180	205.072	213.359
69.5	128.685	142.597	173.899	198.932	206.918
70.0	124.778	138.303	168.532	192.749	200.521
70.5	120.870	133.967	163.164	186.480	194.037
71.0	116.920	129.630	157.797	180.254	187.553
71.5	112.970	125.250	152.344	174.028	181.070
72.0	108.977	120.828	146.891	167.759	174.586
72.5	104.940	116.362	141.395	161.490	168.188
73.0	100.904	111.939	135.985	155.307	161.747
73.5	96.911	107.517	130.574	149.167	155.307
74.0	92.875	103.180	125.250	143.027	148.909
74.5	88.968	98.843	119.926	136.972	142.511
75.0	85.017	94.507	114.644	130.875	136.156
75.5	81.110	90.170	109.406	124.821	129.716
76.0	77.160	85.833	104.168	118.809	123.447
76.5	73.252	81.539	99.058	112.884	117.178
77.0	69.388	77.288	93.948	107.002	110.995
77.5	65.566	73.080	88.925	101.162	104.898
78.0	61.745	68.916	83.901	95.365	98.886
78.5	57.923	64.793	78.877	89.655	92.918
79.0	54.188	60.671	73.939	84.030	86.992
79.5	50.495	56.678	69.001	78.448	81.196
80.0	46.888	52.685	64.235	72.952	75.571
80.5	43.324	48.821	59.469	67.627	70.032
81.0	39.804	44.956	54.789	62.389	64.579
81.5	36.326	41.178	50.237	57.236	59.254
82.0	32.891	37.485	45.729	52.170	54.059
82.5	29.799	33.835	41.349	47.275	48.949

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SDI5-4-L16-840-DMA-70U-30D-(L11)-(LPW150)-DIM-UNV_.IES****CANDELA TABULATION - (Cont.)**

83.0	26.665	30.314	37.098	42.552	44.054
83.5	23.573	26.922	33.019	38.000	39.288
84.0	20.524	23.659	29.112	33.535	34.651
84.5	17.605	20.524	25.376	29.284	30.228
85.0	14.857	17.476	21.813	25.248	25.977
85.5	12.194	14.599	18.463	21.426	21.984
86.0	9.704	11.894	15.372	17.905	18.249
86.5	7.342	9.446	12.495	14.685	14.857
87.0	5.195	7.171	9.919	11.765	11.679
87.5	3.349	5.195	7.643	9.017	8.759
88.0	1.760	3.478	5.453	6.570	6.312
88.5	0.429	2.061	3.693	4.766	4.852
89.0	0.000	1.202	2.576	3.564	3.564
89.5	0.000	0.558	1.889	2.791	2.405
90.0	0.000	0.988	2.104	3.006	2.447
90.5	0.000	2.018	2.705	2.662	2.533
91.0	0.429	3.821	4.981	4.852	4.766
91.5	1.460	5.968	7.600	7.986	7.600
92.0	2.662	8.244	10.262	10.992	10.777
92.5	4.122	10.820	13.096	13.826	13.568
93.0	5.797	15.415	15.715	16.918	16.660
93.5	7.686	24.818	18.206	19.794	19.751
94.0	9.704	35.338	21.040	22.542	22.542
94.5	11.894	47.747	24.217	25.376	25.376
95.0	14.298	64.579	27.910	28.597	28.468
95.5	16.832	80.337	32.504	32.204	31.903
96.0	19.537	92.488	42.552	36.240	35.767
96.5	22.457	106.830	63.978	40.662	39.975
97.0	25.548	122.803	90.943	45.385	44.570
97.5	28.768	135.899	119.411	51.912	49.422
98.0	31.817	146.848	155.736	68.143	54.746
98.5	35.252	157.325	199.791	97.899	66.897
99.0	38.816	170.593	243.587	131.176	93.605
99.5	42.595	184.462	273.859	165.140	129.200
100.0	46.459	195.540	298.934	208.893	163.766
100.5	50.366	206.875	321.133	266.087	202.667
101.0	54.402	216.880	341.958	330.794	255.567
101.5	58.525	227.872	364.715	392.024	322.078
102.0	62.775	238.435	383.308	434.103	397.477
102.5	67.112	247.623	402.587	468.024	462.013
103.0	71.578	257.027	424.957	499.369	504.951
103.5	76.086	266.602	445.267	525.132	541.448
104.0	80.638	276.349	459.437	546.601	574.081
104.5	85.232	287.126	469.312	569.787	598.985
105.0	89.955	298.548	481.764	593.833	618.737
105.5	94.635	309.068	498.081	614.014	640.206
106.0	99.359	319.287	515.256	633.336	664.251
106.5	104.125	329.335	532.002	654.805	685.720
107.0	108.934	338.781	546.171	676.703	704.183
107.5	113.657	347.669	557.765	693.878	723.505
108.0	118.294	356.471	566.782	706.760	745.404
108.5	122.974	364.501	576.228	717.065	765.585
109.0	127.655	372.101	586.963	727.799	781.472
109.5	132.378	379.529	600.273	740.681	793.924
110.0	136.972	386.914	613.584	754.850	804.229
110.5	141.481	394.300	625.177	768.590	814.963

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111.0	145.903	401.556	633.765	782.331	826.557
111.5	150.326	408.727	641.923	794.783	839.438
112.0	154.792	415.468	650.081	806.376	851.890
112.5	159.343	421.995	658.240	815.393	863.913
113.0	163.894	428.307	666.398	822.692	874.647
113.5	168.403	434.103	674.127	829.992	884.523
114.0	172.825	439.685	681.856	837.291	892.252
114.5	177.162	445.267	688.726	846.308	899.122
115.0	181.499	450.849	696.884	856.613	904.704
115.5	185.836	456.002	705.471	866.489	910.715
116.0	190.044	461.154	713.630	874.218	917.585
116.5	194.123	465.877	721.788	880.229	926.602
117.0	198.116	470.601	729.517	885.382	935.619
117.5	202.066	474.465	736.387	890.964	943.777
118.0	206.060	478.329	743.257	896.116	949.359
118.5	209.967	482.194	749.268	901.698	953.224
119.0	213.788	485.629	754.850	906.851	957.518
119.5	217.524	488.635	760.003	911.574	961.811
120.0	221.088	491.640	763.867	916.297	966.535
120.5	224.523	493.787	767.732	920.162	970.399
121.0	227.829	496.363	770.737	924.026	974.263
121.5	231.049	498.510	773.743	928.320	977.269
122.0	234.227	500.657	775.890	932.184	980.275
122.5	237.404	502.375	777.607	936.049	982.851
123.0	240.539	504.092	778.895	939.484	985.427
123.5	243.587	506.239	780.184	942.060	988.004
124.0	246.550	507.527	781.042	944.636	991.009
124.5	249.427	508.815	781.901	946.783	993.586
125.0	252.304	509.674	782.331	948.501	995.732
125.5	255.138	510.533	782.760	949.789	997.879
126.0	257.929	511.392	783.189	950.648	999.597
126.5	260.720	511.392	783.619	951.506	1000.456
127.0	263.425	511.821	783.619	951.506	1001.314
127.5	266.044	511.821	783.619	951.077	1001.744
128.0	268.534	511.821	783.619	950.648	1001.314
128.5	270.939	511.392	783.189	949.789	1001.314
129.0	273.300	510.962	782.760	948.501	1000.456
129.5	275.576	510.533	781.901	947.212	999.167
130.0	277.809	510.104	781.042	945.495	997.450
130.5	279.913	510.104	779.754	943.348	995.732
131.0	281.974	509.245	778.466	941.201	993.586
131.5	283.992	508.815	776.319	938.625	991.009
132.0	285.967	507.957	774.602	936.478	988.433
132.5	287.856	507.527	772.455	933.472	985.427
133.0	289.660	507.098	769.878	930.467	982.422
133.5	291.463	506.239	767.302	927.461	978.987
134.0	293.181	505.380	764.297	924.026	975.552
134.5	294.855	504.522	761.291	920.591	971.687
135.0	296.444	503.663	758.285	916.726	967.823
135.5	297.947	502.804	755.280	912.862	963.529
136.0	299.364	501.516	751.845	908.998	959.235
136.5	300.781	499.798	747.980	904.704	954.941
137.0	302.155	498.510	744.545	900.410	950.218
137.5	303.486	496.793	741.110	896.116	945.495
138.0	304.774	495.075	737.246	891.393	940.342
138.5	306.019	493.358	733.381	886.670	935.190

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SDI5-4-L16-840-DMA-70U-30D-(L11)-(LPW150)-DIM-UNV_.IES****CANDELA TABULATION - (Cont.)**

139.0	307.179	491.211	729.087	881.947	930.037
139.5	308.295	489.064	724.794	876.794	924.455
140.0	309.368	486.917	720.500	871.642	918.444
140.5	310.356	484.770	716.206	866.060	912.862
141.0	311.344	482.623	711.483	860.478	906.851
141.5	312.245	480.047	706.760	854.466	900.410
142.0	313.061	477.041	702.036	848.455	894.399
142.5	313.877	474.465	697.313	842.444	887.958
143.0	314.650	471.889	692.161	836.432	881.517
143.5	315.380	468.883	687.438	829.992	875.077
144.0	316.067	465.877	681.856	823.551	868.636
144.5	316.711	463.301	676.274	817.110	861.766
145.0	317.355	460.295	671.121	810.240	854.896
145.5	317.999	457.719	665.539	803.370	848.455
146.0	318.600	454.714	659.528	796.929	841.585
146.5	319.115	451.708	653.946	789.630	834.286
147.0	319.631	448.702	648.364	782.760	826.986
147.5	320.146	445.697	642.782	775.460	819.257
148.0	320.661	442.691	636.771	768.590	811.958
148.5	321.090	439.685	631.189	760.862	803.800
149.0	321.563	436.680	625.607	753.562	796.071
149.5	321.992	433.674	619.595	746.263	787.912
150.0	322.336	430.239	613.584	738.534	779.754
150.5	322.722	427.405	607.573	730.805	771.596
151.0	323.066	424.270	601.991	723.076	763.008
151.5	323.409	421.222	595.980	715.347	754.850
152.0	323.753	418.216	589.539	707.189	746.263
152.5	324.096	415.168	583.528	699.460	737.246
153.0	324.483	412.291	577.516	691.302	728.229
153.5	324.869	409.285	571.076	683.144	719.212
154.0	325.255	406.365	565.064	674.985	710.195
154.5	325.642	403.446	558.623	666.398	701.178
155.0	325.985	400.612	552.183	658.240	691.731
155.5	326.329	397.735	545.742	649.652	682.714
156.0	326.629	394.987	539.301	641.064	673.268
156.5	326.930	392.410	532.861	632.477	663.822
157.0	327.274	389.791	525.991	623.889	654.805
157.5	327.660	387.344	519.121	614.872	645.358
158.0	327.961	384.853	512.250	606.285	635.912
158.5	328.261	382.449	505.380	597.697	626.895
159.0	328.605	380.087	498.940	588.680	617.449
159.5	328.862	377.769	492.070	580.093	608.002
160.0	329.206	375.579	485.200	571.076	598.126
160.5	329.506	373.346	478.329	562.059	588.680
161.0	329.850	371.199	471.459	553.042	579.234
161.5	330.150	369.009	465.019	544.025	569.787
162.0	330.408	366.948	458.149	535.008	560.341
162.5	330.709	364.973	451.278	525.991	550.465
163.0	330.966	363.084	444.838	516.974	540.590
163.5	331.224	361.152	437.968	507.957	530.714
164.0	331.481	359.305	431.527	498.510	520.838
164.5	331.739	357.588	425.215	489.493	510.962
165.0	331.997	355.999	418.946	480.476	501.516
165.5	332.254	354.410	412.849	471.459	491.640
166.0	332.512	352.907	407.052	462.442	481.764
166.5	332.813	351.448	401.256	453.855	472.318

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SDI5-4-L16-840-DMA-70U-30D-(L11)-(LPW150)-DIM-UNV_.IES****CANDELA TABULATION - (Cont.)**

167.0	333.027	350.074	395.760	444.838	462.442
167.5	333.285	348.700	390.607	436.250	452.996
168.0	333.500	347.326	385.626	427.834	443.550
168.5	333.714	345.994	380.946	419.590	434.103
169.0	333.929	344.792	376.523	411.518	425.000
169.5	334.144	343.676	372.144	403.918	416.198
170.0	334.315	342.559	368.022	396.661	407.696
170.5	334.487	341.615	364.071	389.877	399.753
171.0	334.616	340.584	360.422	383.694	392.196
171.5	334.745	339.597	356.987	377.854	385.111
172.0	334.788	338.738	353.895	372.315	378.885
172.5	334.831	337.922	351.061	367.034	372.788
173.0	334.874	337.149	348.399	362.268	367.077
173.5	334.916	336.462	345.909	357.845	361.924
174.0	334.959	335.732	343.547	353.680	357.072
174.5	334.959	335.088	341.443	350.202	352.736
175.0	334.959	334.530	339.468	346.939	348.785
175.5	334.959	333.972	337.793	343.976	345.265
176.0	334.916	333.500	336.290	341.271	342.173
176.5	334.874	333.113	334.874	338.953	339.382
177.0	334.788	332.727	333.714	336.892	336.977
177.5	334.745	332.383	332.684	335.174	335.045
178.0	334.702	332.125	331.911	333.929	333.457
178.5	334.702	331.997	331.310	332.770	332.211
179.0	334.659	331.868	330.837	332.083	331.353
179.5	334.659	331.739	330.623	331.653	330.837
180.0	331.610	331.610	331.610	331.610	331.610

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SDI5-4-L16-840-DMA-70U-30D-(L11)-(LPW150)-DIM-UNV_.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	124.92	N.A.	2.70
0-30	294.93	N.A.	6.50
0-40	534.38	N.A.	11.70
0-60	1082.64	N.A.	23.80
0-80	1414.97	N.A.	31.10
0-90	1441.85	N.A.	31.70
10-90	1412.03	N.A.	31.00
20-40	409.46	N.A.	9.00
20-50	687.74	N.A.	15.10
40-70	761.30	N.A.	16.70
60-80	332.33	N.A.	7.30
70-80	119.29	N.A.	2.60
80-90	26.88	N.A.	0.60
90-110	501.37	N.A.	11.00
90-120	1129.23	N.A.	24.80
90-130	1768.12	N.A.	38.90
90-150	2708.55	N.A.	59.50
90-180	3109.13	N.A.	68.30
110-180	2607.76	N.A.	57.30
0-180	4550.98	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	29.82
10-20	95.10
20-30	170.01
30-40	239.45
40-50	278.28
50-60	269.98
60-70	213.04
70-80	119.29
80-90	26.88
90-100	61.42
100-110	439.95
110-120	627.86
120-130	638.89
130-140	542.99
140-150	397.45
150-160	246.68
160-170	120.47
170-180	33.43

IES INDOOR REPORT

PHOTOMETRIC FILENAME : SDI5-4-L16-840-DMA-70U-30D-(L11)-(LPW150)-DIM-UNV_.IES

COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

RC RW	80				70				50			30			10			0
	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-L16-840-DMA-70U-30D-(L11)-(LPW150)-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	7.2	7.9	8.3	9.0	10.5	10.3	11.0	11.3	12.1	13.6
	3H	8.7	9.4	9.8	10.5	12.0	12.1	12.8	13.2	13.9	15.4
	4H	9.2	9.8	10.3	10.9	12.5	12.7	13.3	13.8	14.4	16.0
	6H	9.4	10.0	10.6	11.1	12.7	13.0	13.6	14.2	14.7	16.3
	8H	9.5	10.0	10.6	11.1	12.7	13.1	13.7	14.2	14.8	16.3
	12H	9.4	10.0	10.6	11.1	12.6	13.1	13.7	14.3	14.8	16.3

UGR Viewed Endwise

4H	2H	8.1	8.8	9.3	9.9	11.4	10.5	11.2	11.6	12.3	13.8
	3H	9.8	10.4	10.9	11.5	13.0	12.6	13.1	13.7	14.2	15.8
	4H	10.3	10.8	11.5	12.0	13.5	13.3	13.8	14.4	14.9	16.4
	6H	10.7	11.1	11.8	12.2	13.8	13.7	14.2	14.9	15.3	16.9
	8H	10.7	11.1	11.8	12.2	13.8	13.9	14.3	15.0	15.4	17.0
	12H	10.7	11.0	11.8	12.2	13.7	13.9	14.2	15.0	15.4	17.0

8H	4H	10.7	11.1	11.9	12.2	13.8	13.3	13.7	14.5	14.9	16.4
	6H	11.1	11.4	12.2	12.6	14.2	13.9	14.2	15.0	15.4	17.0
	8H	11.2	11.5	12.3	12.6	14.2	14.0	14.3	15.2	15.5	17.1
	12H	11.2	11.4	12.3	12.6	14.2	14.1	14.4	15.3	15.5	17.1

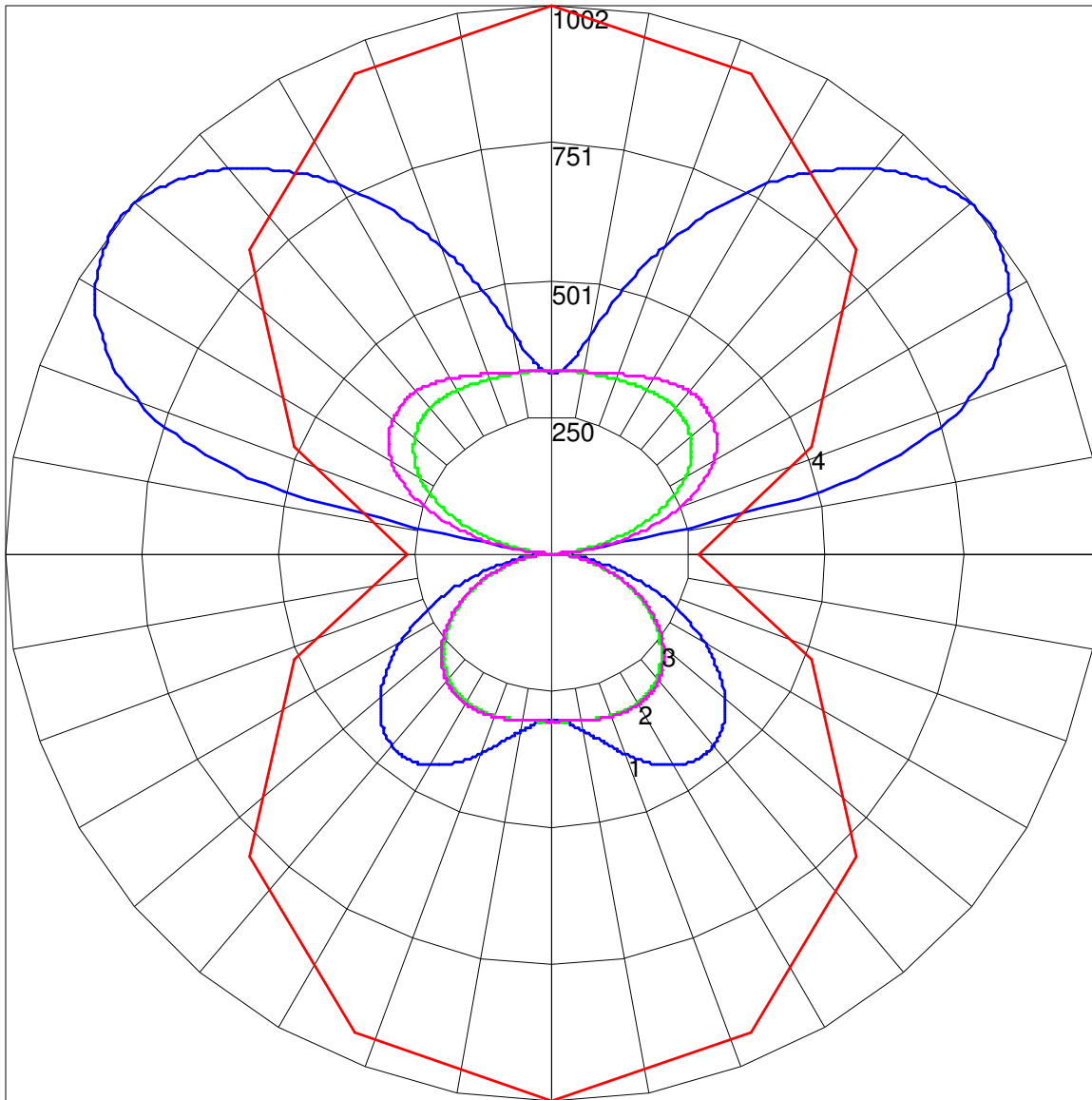
12H	4H	10.7	11.1	11.9	12.2	13.8	13.3	13.6	14.4	14.8	16.4
	6H	11.1	11.4	12.3	12.6	14.2	13.9	14.1	15.0	15.3	16.9
	8H	11.2	11.5	12.4	12.6	14.3	14.0	14.3	15.2	15.4	17.1

Maximum UGR = 17.1

IES INDOOR REPORT

PHOTOMETRIC FILENAME : SDI5-4-L16-840-DMA-70U-30D-(L11)-(LPW150)-DIM-UNV_.IES

POLAR GRAPH



Maximum Candela = 1001.744 Located At Horizontal Angle = 90, Vertical Angle = 127.5

1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)

2 - Vertical Plane Through Horizontal Angles (5 - 185)

3 - Vertical Plane Through Horizontal Angles (10 - 190)

4 - Horizontal Cone Through Vertical Angle (127.5) (Through Max. Cd.)