



IES INDOOR REPORT

PHOTOMETRIC FILENAME : SDI5-4-L16-840-DMA-70U-30D-(L6)-(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 LED
[MORE] WITH FROSTED ACRYLIC LENS
[LUMCAT] SDI5-4-L16-840-DMA-70U-30D-(L6)-(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	2492
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	152
Total Luminaire Watts	16.4
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	826	963	1133
55	830	944	1084
65	787	826	933
75	638	584	639
85	265	180	188

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SDI5-4-L16-840-DMA-70U-30D-(L6)-(LPW150)-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	166.956	166.956	166.956	166.956	166.956
0.5	168.861	167.168	166.321	166.815	166.298
1.0	168.861	167.191	166.392	166.933	166.439
1.5	168.884	167.238	166.486	167.144	166.651
2.0	168.884	167.285	166.651	167.403	166.956
2.5	168.908	167.332	166.862	167.732	167.356
3.0	168.931	167.426	167.097	168.155	167.850
3.5	168.955	167.521	167.379	168.626	168.437
4.0	168.978	167.615	167.685	169.166	169.096
4.5	169.002	167.732	168.061	169.754	169.801
5.0	169.049	167.897	168.461	170.436	170.601
5.5	169.072	168.038	168.884	171.141	171.470
6.0	169.119	168.202	169.354	171.941	172.434
6.5	169.166	168.390	169.848	172.764	173.445
7.0	169.213	168.602	170.389	173.657	174.527
7.5	169.284	168.790	170.953	174.621	175.632
8.0	169.354	169.025	171.565	175.609	176.831
8.5	169.448	169.260	172.199	176.643	177.113
9.0	169.519	169.519	172.858	176.878	178.406
9.5	169.613	169.778	173.563	177.983	179.653
10.0	169.707	170.036	174.292	179.112	181.016
10.5	169.778	170.318	175.021	180.311	182.356
11.0	169.872	170.601	175.797	181.580	182.897
11.5	169.989	170.906	176.572	182.568	184.378
12.0	170.083	171.212	177.395	183.273	185.860
12.5	170.201	171.541	177.466	184.613	187.341
13.0	170.295	171.870	178.218	186.001	188.893
13.5	170.412	172.199	179.112	187.364	190.491
14.0	170.483	172.552	180.005	188.822	192.114
14.5	170.577	172.881	180.946	190.280	193.830
15.0	170.671	173.234	181.463	191.761	195.499
15.5	170.765	173.587	182.215	193.266	197.239
16.0	170.859	173.963	182.968	194.818	198.979
16.5	170.953	174.315	183.979	196.463	200.813
17.0	171.024	174.668	185.013	198.039	202.576
17.5	171.094	175.021	186.001	199.661	204.363
18.0	171.165	175.397	187.035	201.354	206.221
18.5	171.212	175.750	188.070	203.000	208.149
19.0	171.259	176.102	189.128	204.692	210.077
19.5	171.306	176.455	190.115	206.362	211.958
20.0	171.329	176.784	191.173	207.984	213.909
20.5	171.376	177.113	192.161	209.606	215.813
21.0	171.376	177.442	193.148	211.205	217.694
21.5	171.376	177.772	194.159	212.804	219.646
22.0	171.376	178.077	195.123	214.379	221.480
22.5	171.376	178.383	196.064	215.931	223.314
23.0	171.353	178.665	197.028	217.436	225.101
23.5	171.329	178.500	197.898	219.011	226.770
24.0	171.282	178.289	198.815	220.469	228.416
24.5	171.212	178.547	199.684	221.926	230.038
25.0	171.165	178.783	200.507	223.361	231.543
25.5	171.071	178.994	201.401	224.748	233.118
26.0	170.977	179.182	202.224	226.088	234.599
26.5	170.859	179.347	203.000	227.334	236.057

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SDI5-4-L16-840-DMA-70U-30D-(L6)-(LPW150)-DIM-UNV_.IES****CANDELA TABULATION - (Cont.)**

27.0	170.742	179.511	203.822	228.557	237.468
27.5	170.577	179.629	204.481	229.779	238.878
28.0	170.412	179.747	205.186	230.955	240.289
28.5	170.224	179.841	205.844	232.036	241.465
29.0	169.989	179.864	206.432	233.094	242.640
29.5	169.754	179.888	206.973	234.082	243.816
30.0	169.495	179.888	207.514	235.046	244.991
30.5	169.213	179.817	207.914	235.822	245.932
31.0	168.908	179.770	208.407	236.762	247.107
31.5	168.579	179.653	208.760	237.468	248.048
32.0	168.226	179.535	209.089	238.173	248.753
32.5	167.850	179.394	209.348	238.878	249.694
33.0	167.450	179.206	209.606	239.349	250.164
33.5	167.027	179.253	209.794	240.054	250.869
34.0	166.580	179.182	209.888	240.289	251.340
34.5	166.110	178.877	209.983	240.759	251.810
35.0	165.616	178.571	210.006	240.994	252.045
35.5	165.099	178.665	209.983	241.230	252.280
36.0	164.558	178.289	209.936	241.230	252.515
36.5	163.994	177.866	209.794	241.230	252.750
37.0	163.406	177.419	209.606	241.230	252.750
37.5	162.795	176.925	209.395	241.230	252.750
38.0	162.136	176.384	209.089	240.994	252.515
38.5	161.478	175.820	208.783	240.759	252.280
39.0	160.773	175.209	208.407	240.524	252.045
39.5	160.044	174.574	207.961	240.054	251.810
40.0	159.268	173.892	207.467	239.584	251.104
40.5	158.492	173.187	206.903	239.113	250.634
41.0	157.693	172.458	206.291	238.408	249.929
41.5	156.870	171.682	205.680	237.938	249.223
42.0	156.023	170.859	204.951	236.997	248.518
42.5	155.130	170.036	204.175	236.292	247.578
43.0	154.213	169.166	203.329	235.352	246.637
43.5	153.272	168.249	202.435	234.388	245.697
44.0	152.285	167.309	201.471	233.306	244.521
44.5	151.274	166.345	200.484	232.201	243.346
45.0	150.263	165.334	199.379	230.978	242.170
45.5	149.205	164.276	198.297	229.662	240.759
46.0	148.123	163.194	197.075	228.345	239.349
46.5	147.042	162.066	195.876	226.981	237.938
47.0	145.890	160.914	194.582	225.500	236.292
47.5	144.738	159.691	193.242	223.972	234.693
48.0	143.562	158.469	191.879	222.350	233.047
48.5	142.340	157.175	190.444	220.680	231.331
49.0	141.117	155.859	189.010	218.964	229.474
49.5	139.824	154.519	187.435	217.154	227.663
50.0	138.554	153.131	185.860	215.296	225.665
50.5	137.214	151.721	184.237	213.415	223.666
51.0	135.874	150.286	182.568	211.464	221.574
51.5	134.510	148.805	181.087	209.418	219.387
52.0	133.123	147.277	179.935	207.302	217.154
52.5	131.689	145.725	178.101	205.186	214.873
53.0	130.255	144.150	177.090	202.976	212.522
53.5	128.797	142.551	175.115	200.719	210.077
54.0	127.292	140.905	173.116	198.344	207.608
54.5	125.787	139.260	171.094	195.993	205.022

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55.0	124.259	137.567	169.002	193.548	202.412
55.5	122.684	135.874	166.886	191.032	199.778
56.0	121.061	134.134	164.723	188.493	197.028
56.5	119.416	132.347	162.536	185.930	194.324
57.0	117.793	130.513	160.302	183.955	191.596
57.5	116.124	128.679	158.045	181.463	188.799
58.0	114.408	126.798	155.718	178.712	185.883
58.5	112.715	124.894	153.343	175.914	183.932
59.0	110.998	122.942	150.945	173.281	181.016
59.5	109.329	120.967	148.500	171.141	178.030
60.0	107.613	118.969	146.054	168.202	174.997
60.5	105.896	116.970	143.539	165.287	171.988
61.0	104.180	114.995	141.023	162.324	169.778
61.5	102.417	112.997	138.437	159.338	166.627
62.0	100.583	110.975	135.874	156.329	163.429
62.5	98.678	108.929	133.288	153.272	160.185
63.0	96.774	106.860	130.654	150.192	156.964
63.5	94.846	104.768	128.044	147.112	153.625
64.0	92.895	102.652	125.411	144.009	150.310
64.5	90.943	100.512	122.778	140.929	147.018
65.0	88.968	98.373	120.145	137.849	143.750
65.5	86.970	96.210	117.488	134.722	140.435
66.0	84.971	94.023	114.784	131.642	137.120
66.5	82.949	91.813	112.057	128.538	133.828
67.0	80.927	89.579	109.329	125.388	130.513
67.5	78.858	87.322	106.578	122.190	127.151
68.0	76.789	85.042	103.827	118.945	123.765
68.5	74.697	82.714	101.006	115.630	120.309
69.0	72.580	80.410	98.114	112.292	116.829
69.5	70.464	78.082	95.222	108.929	113.303
70.0	68.325	75.731	92.283	105.544	109.799
70.5	66.185	73.356	89.344	102.111	106.249
71.0	64.022	70.982	86.405	98.702	102.699
71.5	61.859	68.583	83.419	95.293	99.149
72.0	59.673	66.162	80.433	91.860	95.598
72.5	57.462	63.717	77.424	88.427	92.095
73.0	55.252	61.295	74.461	85.042	88.568
73.5	53.066	58.873	71.499	81.679	85.042
74.0	50.856	56.498	68.583	78.317	81.538
74.5	48.716	54.124	65.668	75.002	78.035
75.0	46.553	51.749	62.776	71.664	74.555
75.5	44.414	49.374	59.908	68.348	71.029
76.0	42.250	47.000	57.039	65.057	67.596
76.5	40.111	44.649	54.241	61.812	64.163
77.0	37.995	42.321	51.443	58.591	60.778
77.5	35.902	40.017	48.693	55.393	57.439
78.0	33.810	37.736	45.942	52.219	54.147
78.5	31.717	35.479	43.191	49.092	50.879
79.0	29.672	33.222	40.487	46.012	47.635
79.5	27.650	31.035	37.783	42.956	44.461
80.0	25.675	28.849	35.173	39.946	41.381
80.5	23.723	26.733	32.564	37.031	38.348
81.0	21.795	24.617	30.001	34.162	35.362
81.5	19.891	22.548	27.509	31.341	32.446
82.0	18.010	20.526	25.040	28.567	29.601
82.5	16.317	18.527	22.642	25.886	26.803

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SDI5-4-L16-840-DMA-70U-30D-(L6)-(LPW150)-DIM-UNV_.IES****CANDELA TABULATION - (Cont.)**

83.0	14.601	16.599	20.314	23.300	24.123
83.5	12.908	14.742	18.080	20.808	21.513
84.0	11.239	12.955	15.941	18.363	18.974
84.5	9.640	11.239	13.895	16.035	16.552
85.0	8.135	9.569	11.944	13.825	14.225
85.5	6.677	7.994	10.110	11.732	12.038
86.0	5.314	6.513	8.417	9.804	9.992
86.5	4.020	5.173	6.842	8.041	8.135
87.0	2.845	3.926	5.431	6.442	6.395
87.5	1.834	2.845	4.185	4.937	4.796
88.0	0.964	1.904	2.986	3.597	3.456
88.5	0.235	1.129	2.022	2.610	2.657
89.0	0.000	0.658	1.411	1.951	1.951
89.5	0.000	0.306	1.035	1.528	1.317
90.0	0.000	0.541	1.152	1.646	1.340
90.5	0.000	1.105	1.481	1.458	1.387
91.0	0.235	2.093	2.727	2.657	2.610
91.5	0.799	3.268	4.162	4.373	4.162
92.0	1.458	4.514	5.619	6.019	5.901
92.5	2.257	5.925	7.171	7.571	7.430
93.0	3.174	8.441	8.605	9.264	9.123
93.5	4.209	13.590	9.969	10.839	10.815
94.0	5.314	19.350	11.521	12.344	12.344
94.5	6.513	26.145	13.261	13.895	13.895
95.0	7.829	35.362	15.283	15.659	15.588
95.5	9.217	43.990	17.798	17.634	17.469
96.0	10.698	50.644	23.300	19.844	19.585
96.5	12.297	58.497	35.032	22.266	21.889
97.0	13.989	67.243	49.798	24.852	24.405
97.5	15.753	74.414	65.386	28.426	27.062
98.0	17.422	80.410	85.277	37.313	29.977
98.5	19.303	86.147	109.400	53.607	36.631
99.0	21.255	93.412	133.382	71.828	51.255
99.5	23.324	101.006	149.957	90.426	70.747
100.0	25.440	107.072	163.688	114.384	89.673
100.5	27.579	113.279	175.844	145.702	110.975
101.0	29.789	118.757	187.247	181.134	139.941
101.5	32.046	124.776	199.708	214.661	176.361
102.0	34.374	130.560	209.888	237.703	217.647
102.5	36.749	135.592	220.445	256.277	252.985
103.0	39.194	140.741	232.695	273.440	276.497
103.5	41.663	145.984	243.816	287.547	296.482
104.0	44.155	151.321	251.575	299.303	314.351
104.5	46.671	157.222	256.982	312.000	327.988
105.0	49.257	163.477	263.801	325.166	338.803
105.5	51.820	169.237	272.735	336.217	350.559
106.0	54.406	174.833	282.140	346.797	363.725
106.5	57.016	180.334	291.309	358.553	375.481
107.0	59.649	185.507	299.068	370.544	385.591
107.5	62.235	190.374	305.416	379.948	396.171
108.0	64.775	195.194	310.354	387.002	408.162
108.5	67.337	199.590	315.526	392.645	419.213
109.0	69.900	203.752	321.404	398.522	427.912
109.5	72.486	207.819	328.693	405.576	434.730
110.0	75.002	211.863	335.981	413.335	440.373
110.5	77.471	215.907	342.330	420.859	446.251

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111.0	79.893	219.881	347.032	428.382	452.599
111.5	82.314	223.807	351.499	435.201	459.653
112.0	84.759	227.499	355.966	441.549	466.471
112.5	87.252	231.072	360.434	446.486	473.054
113.0	89.744	234.529	364.901	450.483	478.932
113.5	92.213	237.703	369.133	454.480	484.340
114.0	94.634	240.759	373.365	458.477	488.572
114.5	97.009	243.816	377.127	463.415	492.334
115.0	99.384	246.872	381.594	469.057	495.390
115.5	101.758	249.694	386.296	474.465	498.682
116.0	104.063	252.515	390.764	478.697	502.444
116.5	106.296	255.101	395.231	481.989	507.381
117.0	108.483	257.688	399.463	484.810	512.319
117.5	110.646	259.804	403.225	487.867	516.786
118.0	112.832	261.920	406.987	490.688	519.843
118.5	114.972	264.036	410.278	493.745	521.959
119.0	117.065	265.917	413.335	496.566	524.310
119.5	119.110	267.563	416.156	499.152	526.661
120.0	121.061	269.208	418.272	501.739	529.247
120.5	122.942	270.384	420.388	503.855	531.363
121.0	124.753	271.795	422.034	505.971	533.479
121.5	126.516	272.970	423.680	508.322	535.125
122.0	128.256	274.146	424.856	510.438	536.771
122.5	129.996	275.086	425.796	512.554	538.182
123.0	131.712	276.027	426.501	514.435	539.592
123.5	133.382	277.202	427.207	515.846	541.003
124.0	135.004	277.908	427.677	517.256	542.649
124.5	136.579	278.613	428.147	518.432	544.060
125.0	138.154	279.083	428.382	519.372	545.235
125.5	139.706	279.554	428.617	520.078	546.411
126.0	141.234	280.024	428.852	520.548	547.351
126.5	142.763	280.024	429.088	521.018	547.821
127.0	144.244	280.259	429.088	521.018	548.292
127.5	145.678	280.259	429.088	520.783	548.527
128.0	147.042	280.259	429.088	520.548	548.292
128.5	148.359	280.024	428.852	520.078	548.292
129.0	149.652	279.789	428.617	519.372	547.821
129.5	150.898	279.554	428.147	518.667	547.116
130.0	152.120	279.318	427.677	517.727	546.176
130.5	153.272	279.318	426.972	516.551	545.235
131.0	154.401	278.848	426.266	515.375	544.060
131.5	155.506	278.613	425.091	513.965	542.649
132.0	156.588	278.143	424.150	512.789	541.238
132.5	157.622	277.908	422.975	511.143	539.592
133.0	158.610	277.673	421.564	509.497	537.947
133.5	159.597	277.202	420.153	507.852	536.066
134.0	160.538	276.732	418.507	505.971	534.185
134.5	161.454	276.262	416.862	504.090	532.069
135.0	162.324	275.792	415.216	501.974	529.953
135.5	163.147	275.321	413.570	499.858	527.601
136.0	163.923	274.616	411.689	497.742	525.250
136.5	164.699	273.676	409.573	495.390	522.899
137.0	165.451	272.970	407.692	493.039	520.313
137.5	166.180	272.030	405.811	490.688	517.727
138.0	166.886	271.089	403.695	488.102	514.905
138.5	167.568	270.149	401.579	485.516	512.084

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SDI5-4-L16-840-DMA-70U-30D-(L6)-(LPW150)-DIM-UNV_.IES****CANDELA TABULATION - (Cont.)**

139.0	168.202	268.973	399.228	482.929	509.262
139.5	168.814	267.798	396.877	480.108	506.206
140.0	169.401	266.622	394.525	477.286	502.914
140.5	169.942	265.447	392.174	474.230	499.858
141.0	170.483	264.271	389.588	471.173	496.566
141.5	170.977	262.860	387.002	467.882	493.039
142.0	171.423	261.214	384.415	464.590	489.748
142.5	171.870	259.804	381.829	461.299	486.221
143.0	172.293	258.393	379.008	458.007	482.694
143.5	172.693	256.747	376.422	454.480	479.167
144.0	173.069	255.101	373.365	450.953	475.641
144.5	173.422	253.691	370.308	447.427	471.879
145.0	173.775	252.045	367.487	443.665	468.117
145.5	174.127	250.634	364.431	439.903	464.590
146.0	174.456	248.988	361.139	436.376	460.828
146.5	174.739	247.343	358.082	432.379	456.831
147.0	175.021	245.697	355.026	428.617	452.834
147.5	175.303	244.051	351.969	424.620	448.602
148.0	175.585	242.405	348.678	420.859	444.605
148.5	175.820	240.759	345.621	416.626	440.138
149.0	176.079	239.113	342.565	412.629	435.906
149.5	176.314	237.468	339.273	408.632	431.439
150.0	176.502	235.587	335.981	404.400	426.972
150.5	176.714	234.035	332.690	400.168	422.504
151.0	176.902	232.319	329.633	395.936	417.802
151.5	177.090	230.649	326.342	391.704	413.335
152.0	177.278	229.003	322.815	387.237	408.632
152.5	177.466	227.334	319.523	383.005	403.695
153.0	177.678	225.759	316.232	378.538	398.758
153.5	177.889	224.113	312.705	374.070	393.820
154.0	178.101	222.514	309.413	369.603	388.883
154.5	178.312	220.915	305.887	364.901	383.945
155.0	178.500	219.364	302.360	360.434	378.773
155.5	178.689	217.788	298.833	355.731	373.835
156.0	178.853	216.284	295.306	351.029	368.663
156.5	179.018	214.873	291.780	346.327	363.490
157.0	179.206	213.439	288.018	341.624	358.553
157.5	179.417	212.099	284.256	336.687	353.380
158.0	179.582	210.735	280.494	331.984	348.208
158.5	179.747	209.418	276.732	327.282	343.270
159.0	179.935	208.125	273.205	322.345	338.098
159.5	180.076	206.855	269.444	317.642	332.925
160.0	180.264	205.656	265.682	312.705	327.517
160.5	180.428	204.434	261.920	307.767	322.345
161.0	180.616	203.258	258.158	302.830	317.172
161.5	180.781	202.059	254.631	297.893	312.000
162.0	180.922	200.931	250.869	292.955	306.827
162.5	181.087	199.849	247.107	288.018	301.419
163.0	181.228	198.815	243.581	283.080	296.012
163.5	181.369	197.756	239.819	278.143	290.604
164.0	181.510	196.745	236.292	272.970	285.196
164.5	181.651	195.805	232.836	268.033	279.789
165.0	181.792	194.935	229.403	263.095	274.616
165.5	181.933	194.065	226.065	258.158	269.208
166.0	182.074	193.242	222.890	253.220	263.801
166.5	182.239	192.443	219.716	248.518	258.628

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SDI5-4-L16-840-DMA-70U-30D-(L6)-(LPW150)-DIM-UNV_.IES****CANDELA TABULATION - (Cont.)**

167.0	182.356	191.690	216.707	243.581	253.220
167.5	182.497	190.938	213.885	238.878	248.048
168.0	182.615	190.186	211.158	234.270	242.875
168.5	182.733	189.457	208.595	229.756	237.703
169.0	182.850	188.799	206.174	225.336	232.718
169.5	182.968	188.187	203.775	221.174	227.898
170.0	183.062	187.576	201.518	217.201	223.243
170.5	183.156	187.059	199.355	213.486	218.893
171.0	183.226	186.494	197.357	210.100	214.755
171.5	183.297	185.954	195.476	206.903	210.876
172.0	183.320	185.483	193.783	203.870	207.467
172.5	183.344	185.037	192.231	200.978	204.128
173.0	183.367	184.613	190.774	198.368	201.001
173.5	183.391	184.237	189.410	195.946	198.180
174.0	183.414	183.838	188.117	193.665	195.523
174.5	183.414	183.485	186.965	191.761	193.148
175.0	183.414	183.179	185.883	189.974	190.985
175.5	183.414	182.874	184.966	188.352	189.057
176.0	183.391	182.615	184.143	186.871	187.364
176.5	183.367	182.403	183.367	185.601	185.836
177.0	183.320	182.192	182.733	184.472	184.519
177.5	183.297	182.004	182.168	183.532	183.461
178.0	183.273	181.863	181.745	182.850	182.591
178.5	183.273	181.792	181.416	182.215	181.910
179.0	183.250	181.722	181.157	181.839	181.439
179.5	183.250	181.651	181.040	181.604	181.157
180.0	181.580	181.580	181.580	181.580	181.580

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SDI5-4-L16-840-DMA-70U-30D-(L6)-(LPW150)-DIM-UNV_.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	68.40	N.A.	2.70
0-30	161.49	N.A.	6.50
0-40	292.61	N.A.	11.70
0-60	592.83	N.A.	23.80
0-80	774.80	N.A.	31.10
0-90	789.52	N.A.	31.70
10-90	773.19	N.A.	31.00
20-40	224.21	N.A.	9.00
20-50	376.59	N.A.	15.10
40-70	416.87	N.A.	16.70
60-80	181.97	N.A.	7.30
70-80	65.32	N.A.	2.60
80-90	14.72	N.A.	0.60
90-110	274.54	N.A.	11.00
90-120	618.33	N.A.	24.80
90-130	968.17	N.A.	38.90
90-150	1483.13	N.A.	59.50
90-180	1702.47	N.A.	68.30
110-180	1427.94	N.A.	57.30
0-180	2491.99	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	16.33
10-20	52.07
20-30	93.09
30-40	131.12
40-50	152.38
50-60	147.83
60-70	116.65
70-80	65.32
80-90	14.72
90-100	33.63
100-110	240.90
110-120	343.80
120-130	349.84
130-140	297.32
140-150	217.63
150-160	135.07
160-170	65.96
170-180	18.31

IES INDOOR REPORT

PHOTOMETRIC FILENAME : SDI5-4-L16-840-DMA-70U-30D-(L6)-(LPW150)-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-L16-840-DMA-70U-30D-(L6)-(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	5.1	5.8	6.2	6.9	8.4	8.2	8.9	9.2	10.0	11.5
	3H	6.6	7.3	7.7	8.4	9.9	10.0	10.7	11.1	11.8	13.3
	4H	7.1	7.7	8.2	8.8	10.4	10.6	11.2	11.7	12.3	13.9
	6H	7.3	7.9	8.5	9.0	10.6	10.9	11.5	12.1	12.6	14.2
	8H	7.4	7.9	8.5	9.0	10.6	11.0	11.6	12.2	12.7	14.2
	12H	7.4	7.9	8.5	9.0	10.6	11.0	11.6	12.2	12.7	14.2

UGR Viewed Endwise

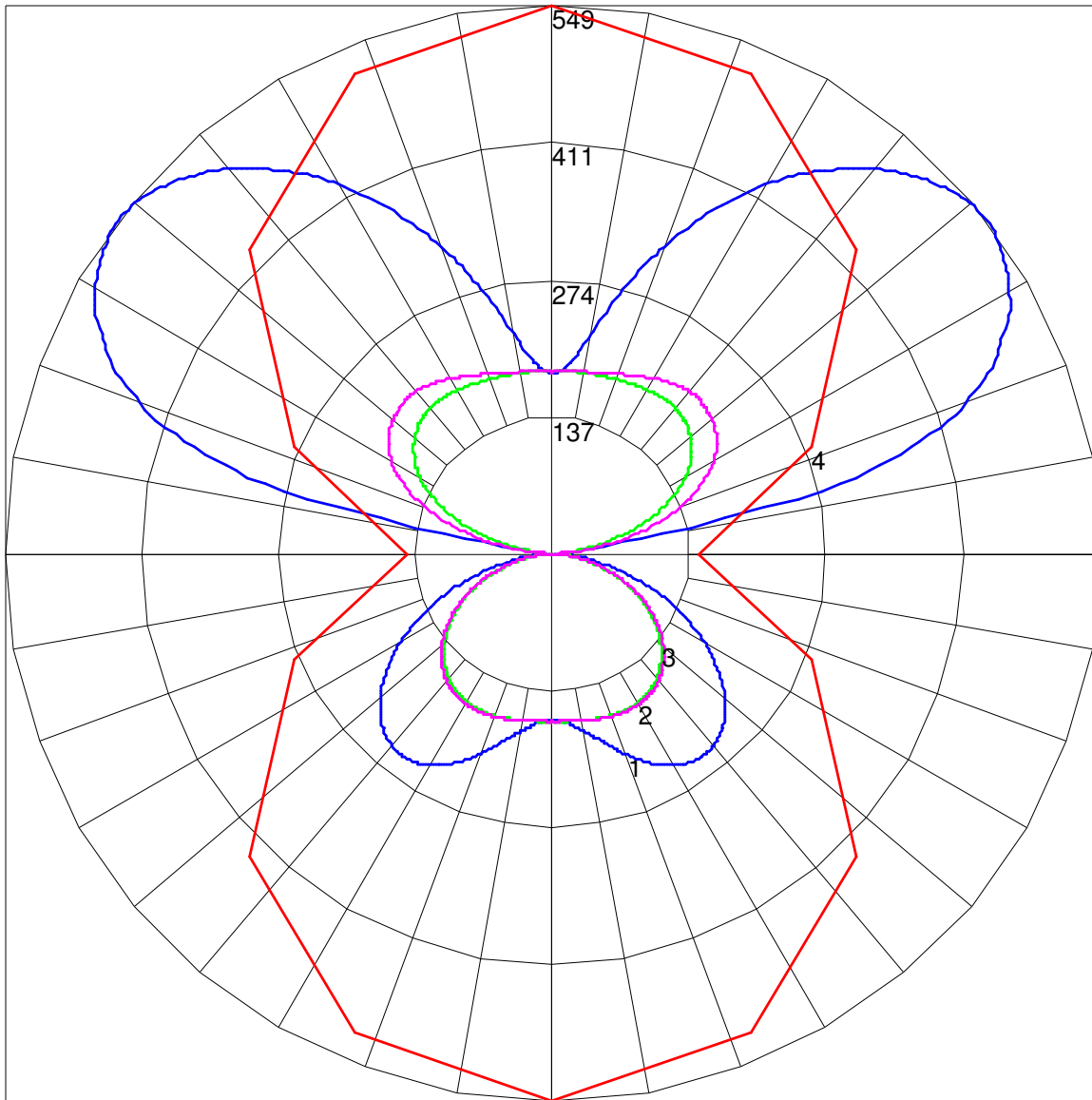
4H	2H	6.0	6.7	7.2	7.8	9.3	8.4	9.1	9.5	10.2	11.7
	3H	7.7	8.3	8.8	9.4	10.9	10.5	11.0	11.6	12.1	13.7
	4H	8.2	8.7	9.4	9.9	11.4	11.2	11.7	12.3	12.8	14.3
	6H	8.6	9.0	9.7	10.1	11.7	11.6	12.1	12.8	13.2	14.8
	8H	8.6	9.0	9.7	10.1	11.7	11.8	12.2	12.9	13.3	14.9
	12H	8.6	8.9	9.7	10.1	11.6	11.8	12.1	12.9	13.3	14.9
8H	4H	8.6	9.0	9.8	10.1	11.7	11.2	11.6	12.4	12.8	14.3
	6H	9.0	9.3	10.1	10.5	12.1	11.8	12.1	12.9	13.3	14.9
	8H	9.1	9.4	10.2	10.5	12.1	11.9	12.2	13.1	13.4	15.0
	12H	9.1	9.3	10.3	10.5	12.1	12.0	12.3	13.2	13.4	15.0
12H	4H	8.6	9.0	9.8	10.1	11.7	11.2	11.5	12.3	12.7	14.3
	6H	9.0	9.3	10.2	10.5	12.1	11.8	12.0	12.9	13.2	14.8
	8H	9.1	9.4	10.3	10.5	12.2	11.9	12.2	13.1	13.3	15.0

Maximum UGR = 15.0

IES INDOOR REPORT

PHOTOMETRIC FILENAME : SDI5-4-L16-840-DMA-70U-30D-(L6)-(LPW150)-DIM-UNV_.IES

POLAR GRAPH



Maximum Candela = 548.527 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.)