



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : SDI5-4-P17-8TW-DMA-50U-50D-POE N\_4000K.IES

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002  
 [TEST] GEN FROM 12731921.04  
 [TESTLAB] UL Verification Services Inc.  
 [ISSUEDATE] 4/2/2019  
 [MANUFAC] WILLIAMS INDOOR  
 [OTHER] H.E. WILLIAMS, INC. - CARTHAGE, MO.  
 [LUMCAT] SDI5-4-P17-8TW-DMA-50U-50D-POE N-4000k  
 [LUMINAIRE] White formed steel housing, frost/clear lens enclosures  
 [LAMP] LED  
 [LAMPCAT] HLM 80 CRI TUNABLE WHITE 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	6465
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	127
Total Luminaire Watts	50.8
Ballast Factor	1.00
CIE Type	General Diffuse
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)	3.67 ft
Luminous Width (90-270)	0.31 ft
Luminous Height	0.15 ft

### LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	8379	7761	8216
55	8284	7094	7335
65	7766	5823	5825
75	6360	3811	3658
85	2961	1093	1000

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## CANDELA TABULATION

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0.0	797.899	797.899	797.899	797.899	797.899
0.5	797.270	801.675	796.012	796.641	797.270
1.0	797.270	801.675	796.012	796.641	797.899
1.5	797.899	801.046	796.012	797.270	798.529
2.0	797.270	801.675	796.641	797.899	799.158
2.5	797.270	801.675	796.641	798.529	799.787
3.0	797.270	801.675	797.270	799.158	801.046
3.5	797.270	801.675	797.899	800.417	802.304
4.0	797.270	801.675	798.529	801.675	803.563
4.5	797.270	802.304	799.158	802.934	805.451
5.0	796.641	802.304	800.417	804.821	807.338
5.5	797.270	802.304	801.046	806.080	809.226
6.0	797.270	802.304	802.304	807.968	811.743
6.5	797.270	802.934	803.563	809.855	814.260
7.0	797.270	803.563	804.821	811.743	816.777
7.5	796.641	803.563	806.080	814.260	818.665
8.0	796.641	804.192	807.338	816.777	821.182
8.5	796.012	804.192	809.226	819.294	824.328
9.0	796.641	804.821	810.485	821.811	827.475
9.5	796.641	804.821	812.372	824.328	829.992
10.0	796.012	804.821	813.631	826.845	833.138
10.5	795.382	805.451	814.889	829.362	836.284
11.0	795.382	806.080	816.777	832.509	840.060
11.5	795.382	806.709	818.036	835.655	843.206
12.0	795.382	806.709	819.924	838.801	846.982
12.5	795.382	807.338	821.811	841.948	850.128
13.0	795.382	807.968	823.699	845.094	853.903
13.5	794.753	807.968	825.587	848.240	857.679
14.0	794.124	808.597	827.475	851.386	862.084
14.5	793.495	809.226	829.362	855.162	865.859
15.0	793.495	809.226	831.250	858.308	869.635
15.5	792.865	809.855	833.767	862.084	874.040
16.0	792.865	810.485	835.026	865.859	878.445
16.5	792.236	810.485	836.914	869.006	882.220
17.0	792.236	810.485	839.431	872.781	886.625
17.5	791.607	811.114	841.318	876.557	891.030
18.0	790.348	811.743	843.206	879.703	894.805
18.5	790.348	811.743	845.094	883.479	899.210
19.0	789.090	811.743	846.982	886.625	902.986
19.5	788.461	811.743	848.869	890.400	907.390
20.0	787.831	811.743	850.757	893.547	911.166
20.5	786.573	811.743	852.645	896.693	914.942
21.0	786.573	812.372	854.533	899.839	919.346
21.5	785.944	811.743	856.421	903.615	923.122
22.0	784.685	811.743	858.308	906.761	926.897
22.5	784.056	811.743	859.567	909.907	930.673
23.0	782.797	811.743	861.455	913.683	933.819
23.5	781.539	811.114	862.713	916.200	936.966
24.0	780.910	810.485	863.972	919.346	940.741
24.5	779.651	810.485	865.230	922.493	943.887
25.0	778.392	810.485	866.489	925.010	947.663
25.5	777.134	809.855	867.747	928.156	950.809
26.0	775.875	809.226	869.006	930.673	953.956
26.5	774.617	808.597	869.635	933.190	956.473

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : SDI5-4-P17-8TW-DMA-50U-50D-POE N\_4000K.IES****CANDELA TABULATION - (Cont.)**

27.0	772.729	807.968	870.264	935.078	958.990
27.5	771.471	807.338	871.523	936.966	961.507
28.0	769.583	806.080	872.152	939.483	964.024
28.5	768.324	804.821	872.781	940.741	966.541
29.0	766.437	804.192	872.781	942.629	969.687
29.5	763.920	802.934	873.410	943.887	970.946
30.0	762.032	801.675	873.410	945.146	972.204
30.5	760.144	799.787	873.410	946.404	973.463
31.0	758.256	798.529	873.410	947.034	974.721
31.5	755.739	797.270	872.781	947.663	976.609
32.0	752.593	795.382	872.152	948.292	977.238
32.5	750.076	793.495	871.523	948.292	977.867
33.0	748.188	791.607	870.893	948.921	977.867
33.5	745.671	789.090	869.635	948.292	978.497
34.0	743.154	786.573	868.376	948.292	977.867
34.5	739.378	784.685	867.118	947.034	977.238
35.0	736.861	782.168	865.859	946.404	976.609
35.5	733.715	779.651	864.601	944.517	975.350
36.0	730.569	777.134	862.713	943.887	974.092
36.5	727.423	773.988	860.196	942.000	972.204
37.0	724.276	771.471	858.308	939.483	969.687
37.5	721.130	768.324	855.791	936.966	967.799
38.0	717.354	765.178	852.645	934.449	964.653
38.5	714.208	761.403	850.128	931.932	962.136
39.0	710.433	758.256	846.982	929.414	958.990
39.5	705.399	754.481	843.835	925.639	955.843
40.0	701.623	751.334	840.060	922.493	953.326
40.5	697.847	747.559	836.284	918.717	950.180
41.0	694.072	743.154	832.509	914.942	946.404
41.5	690.296	739.378	828.104	911.166	942.629
42.0	685.892	734.974	824.328	907.390	938.224
42.5	681.487	730.569	819.924	902.986	933.819
43.0	676.453	725.535	814.889	898.581	928.785
43.5	671.419	721.130	810.485	893.547	924.380
44.0	667.014	716.096	806.080	889.142	919.346
44.5	661.980	711.062	801.046	883.479	914.312
45.0	657.575	706.028	795.382	878.445	909.278
45.5	652.541	700.994	790.348	872.781	902.986
46.0	647.507	695.330	785.314	866.489	896.693
46.5	642.473	690.296	779.651	860.825	890.400
47.0	636.809	684.633	773.358	854.533	883.479
47.5	631.146	678.340	767.695	846.982	876.557
48.0	625.609	672.677	761.403	840.689	869.635
48.5	619.882	667.014	755.110	833.767	862.713
49.0	613.841	661.350	748.188	826.216	854.533
49.5	607.738	655.058	741.896	818.665	846.982
50.0	601.760	648.765	734.974	811.114	838.801
50.5	595.656	642.473	728.052	802.934	830.621
51.0	589.426	636.180	720.501	794.753	821.811
51.5	583.511	629.258	712.950	786.573	813.631
52.0	577.093	622.588	705.399	777.763	804.192
52.5	570.423	615.603	697.218	769.583	795.382
53.0	563.627	608.807	689.667	760.773	786.573
53.5	557.082	601.571	681.487	751.334	777.134
54.0	550.349	594.586	673.306	742.525	767.066
54.5	543.176	587.350	665.126	733.086	757.627

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : SDI5-4-P17-8TW-DMA-50U-50D-POE N\_4000K.IES****CANDELA TABULATION - (Cont.)**

55.0	535.939	579.799	656.316	723.647	748.188
55.5	528.892	572.185	648.136	714.208	738.120
56.0	522.159	564.633	639.326	704.140	727.423
56.5	514.670	556.642	630.517	694.072	717.354
57.0	507.497	548.524	621.078	684.004	706.657
57.5	500.009	540.533	611.891	673.936	695.960
58.0	492.143	532.353	602.452	663.867	685.262
58.5	485.284	524.046	593.013	653.170	674.565
59.0	478.362	515.551	583.637	643.102	663.867
59.5	471.503	507.308	574.135	632.405	652.541
60.0	463.763	499.442	564.508	621.518	641.214
60.5	455.835	491.199	554.754	610.318	629.888
61.0	447.780	482.641	544.812	599.306	618.876
61.5	439.600	473.894	534.807	588.294	607.360
62.0	431.231	465.840	525.242	577.219	595.971
62.5	422.987	457.030	515.551	565.892	584.140
63.0	414.555	448.661	505.798	554.628	572.122
63.5	406.060	439.726	495.541	543.365	560.417
64.0	397.440	430.601	485.221	531.786	548.776
64.5	388.819	421.225	474.775	521.278	536.820
65.0	380.198	411.912	464.267	509.699	525.619
65.5	371.451	402.599	454.010	497.995	513.789
66.0	362.767	393.286	443.942	486.354	501.833
66.5	353.958	383.848	433.622	474.712	489.626
67.0	345.274	374.346	422.924	462.882	477.607
67.5	336.590	364.844	412.101	450.864	465.336
68.0	327.781	355.216	401.089	438.782	452.688
68.5	318.782	345.589	390.266	427.959	440.103
69.0	309.847	336.150	379.317	415.877	428.714
69.5	300.974	326.522	368.431	403.606	416.443
70.0	292.102	316.832	357.419	391.336	403.732
70.5	283.103	307.015	346.344	379.065	390.895
71.0	274.042	297.199	335.080	366.795	378.184
71.5	264.981	287.445	323.816	354.524	365.536
72.0	256.045	277.755	312.678	342.254	352.762
72.5	247.047	268.001	301.541	329.920	340.114
73.0	237.923	258.311	290.403	317.650	327.529
73.5	228.798	248.494	279.202	305.379	314.818
74.0	219.737	238.741	268.064	293.109	302.044
74.5	210.802	228.987	256.989	280.964	289.396
75.0	201.803	219.234	245.914	268.756	276.937
75.5	192.868	209.543	234.965	256.800	264.729
76.0	183.869	199.852	224.079	244.907	252.458
76.5	174.934	190.225	213.256	233.014	240.188
77.0	166.061	180.660	202.558	221.247	228.043
77.5	157.189	171.158	191.924	209.543	216.087
78.0	148.379	161.782	181.352	198.028	204.194
78.5	139.758	152.469	170.969	186.638	192.490
79.0	131.200	143.282	160.650	175.311	180.912
79.5	122.768	134.221	150.456	164.173	169.396
80.0	114.462	125.159	140.388	153.224	158.070
80.5	106.156	116.350	130.508	142.401	146.995
81.0	98.038	107.603	120.818	131.830	136.109
81.5	90.047	99.108	111.190	121.447	125.474
82.0	82.307	90.739	101.940	111.379	114.965
82.5	74.756	82.559	92.879	101.499	104.772

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : SDI5-4-P17-8TW-DMA-50U-50D-POE N\_4000K.IES****CANDELA TABULATION - (Cont.)**

83.0	67.331	74.693	84.006	91.872	94.829
83.5	60.094	67.016	75.448	82.559	85.264
84.0	53.172	59.591	67.142	73.686	76.077
84.5	46.439	52.417	59.276	65.128	67.268
85.0	40.084	45.621	51.788	57.074	58.899
85.5	33.917	39.140	44.740	49.460	51.033
86.0	28.065	33.036	38.133	42.475	43.733
86.5	22.590	27.310	32.029	35.994	36.937
87.0	17.556	22.150	26.366	30.016	30.708
87.5	13.026	17.493	21.395	24.289	24.604
88.0	9.187	13.466	16.612	18.563	18.563
88.5	6.104	9.879	12.208	14.284	14.410
89.0	3.776	6.985	9.187	11.704	11.641
89.5	2.328	5.160	7.740	10.068	9.879
90.0	1.573	4.908	7.299	9.691	9.187
90.5	3.209	5.663	5.223	4.405	4.090
91.0	5.475	10.572	9.250	8.117	7.803
91.5	8.621	17.242	15.480	13.214	12.648
92.0	12.208	24.478	24.101	19.696	18.437
92.5	15.606	30.834	34.546	28.946	26.995
93.0	19.696	36.371	45.873	41.028	38.636
93.5	25.359	42.349	57.577	54.683	51.914
94.0	32.029	49.019	68.715	68.778	65.883
94.5	38.951	56.256	79.224	82.747	80.734
95.0	45.936	63.807	89.732	96.843	96.277
95.5	52.921	71.798	100.870	111.316	112.134
96.0	60.157	80.105	112.637	126.103	128.243
96.5	67.394	88.788	124.971	141.268	144.855
97.0	74.630	97.724	137.870	157.315	161.719
97.5	81.867	106.911	151.022	173.172	179.024
98.0	89.103	116.287	164.614	189.596	196.769
98.5	96.465	125.789	178.143	206.523	214.829
99.0	103.891	135.416	192.050	223.701	233.329
99.5	111.379	145.170	206.145	241.258	252.018
100.0	118.930	154.986	220.996	260.072	270.833
100.5	126.418	164.992	234.776	279.642	289.899
101.0	134.095	174.997	249.501	297.891	309.218
101.5	141.772	185.191	265.107	314.881	328.599
102.0	149.386	195.196	279.013	331.808	348.232
102.5	157.126	205.138	293.171	350.119	367.927
103.0	164.992	215.647	308.903	369.312	387.749
103.5	172.794	225.715	324.949	389.070	407.634
104.0	180.723	235.468	338.981	408.011	427.455
104.5	188.526	245.725	352.322	426.322	446.962
105.0	196.392	256.423	366.669	444.068	466.217
105.5	204.131	266.365	382.211	461.183	485.032
106.0	211.934	275.867	398.006	477.544	503.281
106.5	219.737	285.683	412.793	494.094	522.599
107.0	227.414	295.877	426.071	511.398	541.791
107.5	235.154	306.512	438.908	529.269	560.669
108.0	242.831	316.328	451.933	546.385	579.358
108.5	250.382	325.452	464.707	563.375	597.858
109.0	257.870	334.451	477.418	580.868	616.233
109.5	265.295	343.638	490.507	598.425	634.292
110.0	272.721	353.203	503.784	615.981	651.912
110.5	279.957	363.019	516.999	633.034	669.531

**IES INDOOR REPORT**  
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**CANDELA TABULATION - (Cont.)**

111.0	287.131	372.647	529.269	649.395	687.150
111.5	294.115	381.834	540.722	665.755	703.511
112.0	301.037	390.266	551.922	682.116	720.501
112.5	307.959	398.069	562.934	697.218	736.861
113.0	314.881	405.935	573.821	712.320	752.593
113.5	321.677	413.863	584.958	726.164	768.324
114.0	328.284	422.044	596.096	740.637	783.427
114.5	334.828	430.161	607.234	754.481	798.529
115.0	341.247	438.341	618.183	767.066	813.002
115.5	347.539	446.396	628.692	779.651	826.845
116.0	353.643	454.010	639.326	792.236	840.689
116.5	359.684	461.309	649.395	803.563	854.533
117.0	365.788	467.665	658.833	814.889	867.747
117.5	371.892	473.894	667.643	826.216	880.332
118.0	377.681	480.061	675.823	836.914	892.917
118.5	383.470	485.347	683.374	846.982	904.873
119.0	388.945	491.073	690.926	857.050	916.200
119.5	394.167	496.548	697.847	866.489	926.268
120.0	399.264	502.274	704.769	875.928	936.966
120.5	404.236	508.189	711.062	884.108	946.404
121.0	409.144	513.915	717.984	892.288	955.843
121.5	413.989	519.579	724.276	900.469	964.653
122.0	418.771	525.053	730.569	908.020	973.463
122.5	423.428	530.276	736.232	915.571	981.014
123.0	427.770	535.373	741.896	921.863	989.194
123.5	432.049	539.967	747.559	928.156	995.487
124.0	436.139	544.434	752.593	934.449	1002.408
124.5	440.355	548.273	757.627	939.483	1008.072
125.0	444.634	551.985	762.032	944.517	1013.735
125.5	448.347	555.320	766.437	949.551	1018.769
126.0	451.996	558.530	770.841	953.326	1023.174
126.5	455.394	561.802	774.617	957.102	1026.950
127.0	458.729	564.822	777.763	960.248	1031.354
127.5	461.938	567.843	780.910	962.765	1033.871
128.0	465.022	570.486	784.056	965.911	1035.759
128.5	467.854	572.940	785.944	967.799	1038.276
129.0	470.748	575.268	787.831	969.687	1040.164
129.5	473.391	577.407	789.090	971.575	1041.422
130.0	475.908	579.610	790.978	972.204	1043.310
130.5	478.299	581.623	791.607	973.463	1044.569
131.0	480.565	583.448	792.236	974.092	1045.198
131.5	482.704	585.399	792.865	974.721	1045.198
132.0	484.655	586.595	792.865	974.721	1045.198
132.5	486.605	588.042	792.865	974.092	1043.939
133.0	488.367	589.300	792.865	973.463	1042.681
133.5	489.878	590.370	792.236	972.204	1042.052
134.0	491.451	591.188	792.236	970.946	1040.793
134.5	492.898	592.132	791.607	969.058	1038.905
135.0	494.345	592.698	790.978	967.170	1037.018
135.5	495.730	593.013	789.719	964.653	1035.130
136.0	496.736	593.202	788.461	962.136	1032.613
136.5	497.555	592.824	786.573	959.619	1028.837
137.0	498.310	592.573	784.685	956.473	1025.691
137.5	499.065	592.069	782.797	953.326	1021.286
138.0	499.631	591.503	780.910	949.551	1017.511
138.5	500.134	590.936	778.392	945.775	1013.735

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : SDI5-4-P17-8TW-DMA-50U-50D-POE N\_4000K.IES****CANDELA TABULATION - (Cont.)**

139.0	500.575	589.930	776.505	942.000	1009.330
139.5	500.827	588.797	773.988	937.595	1004.925
140.0	501.015	587.916	770.841	933.819	999.891
140.5	501.015	587.035	767.695	928.785	994.228
141.0	500.890	585.839	765.178	924.380	989.194
141.5	500.638	584.518	762.032	919.346	982.901
142.0	500.323	583.322	758.885	914.942	976.609
142.5	500.072	581.623	755.739	909.907	970.316
143.0	499.757	580.176	751.964	904.873	963.394
143.5	499.191	578.351	748.188	898.581	957.102
144.0	498.498	576.212	744.413	892.917	950.809
144.5	497.806	574.450	740.008	887.254	943.887
145.0	497.114	572.499	735.603	880.962	936.966
145.5	496.422	570.737	731.827	875.298	930.044
146.0	495.541	568.283	727.423	868.376	922.493
146.5	494.471	566.144	722.388	861.455	914.942
147.0	493.338	564.004	717.984	855.162	907.390
147.5	492.080	561.613	712.950	848.240	899.839
148.0	490.884	558.718	707.916	841.318	891.659
148.5	489.689	556.076	702.881	833.767	884.108
149.0	488.493	553.747	697.847	826.216	875.928
149.5	487.172	551.041	692.184	818.665	867.747
150.0	485.536	548.210	687.150	811.114	859.567
150.5	483.963	545.567	681.487	803.563	850.757
151.0	482.201	542.735	675.823	796.012	841.948
151.5	480.502	540.155	670.160	787.831	833.138
152.0	478.866	537.387	664.497	779.651	824.958
152.5	477.229	534.366	658.204	771.471	816.148
153.0	475.593	531.157	652.541	763.290	807.338
153.5	474.083	528.136	646.248	754.481	797.899
154.0	472.321	525.053	639.956	745.671	787.831
154.5	470.496	521.781	633.663	736.861	778.392
155.0	468.672	518.446	627.245	728.052	768.324
155.5	466.721	515.048	620.826	719.242	758.885
156.0	464.770	511.398	614.471	710.433	748.817
156.5	462.631	508.189	608.241	700.994	739.378
157.0	460.680	504.602	601.823	692.184	729.940
157.5	458.729	501.078	595.152	683.374	720.501
158.0	456.967	497.555	588.419	673.936	709.803
158.5	455.080	493.905	581.875	664.497	699.735
159.0	453.318	490.570	575.331	655.058	689.667
159.5	451.493	487.486	568.661	646.248	679.599
160.0	449.605	484.214	561.928	636.809	668.902
160.5	447.654	481.131	555.258	627.748	658.204
161.0	445.767	477.796	548.524	618.498	648.765
161.5	443.879	475.468	541.980	609.374	638.068
162.0	442.117	472.258	535.499	600.312	627.371
162.5	440.292	468.923	529.080	591.251	617.114
163.0	438.593	465.714	522.599	582.379	606.983
163.5	436.894	462.568	516.369	573.254	596.914
164.0	435.132	459.296	510.203	564.319	586.909
164.5	433.433	456.212	504.288	555.572	577.030
165.0	431.608	453.129	498.561	547.266	567.276
165.5	430.035	450.171	492.772	538.771	557.397
166.0	428.714	447.340	487.612	530.276	547.706
166.5	427.141	444.571	482.641	522.410	538.393

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : SDI5-4-P17-8TW-DMA-50U-50D-POE N\_4000K.IES****CANDELA TABULATION - (Cont.)**

167.0	425.504	441.928	477.544	514.544	529.458
167.5	424.057	439.411	473.265	506.805	520.900
168.0	422.736	436.957	468.231	499.379	512.153
168.5	421.540	434.629	463.386	492.206	504.351
169.0	420.345	432.363	458.855	486.165	496.485
169.5	419.149	430.161	454.387	479.558	488.619
170.0	417.827	428.021	450.046	473.894	482.138
170.5	416.695	425.945	445.829	467.791	476.537
171.0	415.688	423.994	441.865	461.876	469.741
171.5	414.681	422.232	438.090	456.275	463.575
172.0	413.800	420.533	434.566	450.926	457.534
172.5	412.856	418.897	431.105	445.829	451.682
173.0	412.038	417.261	427.770	440.921	446.207
173.5	411.283	415.688	424.623	436.202	440.921
174.0	410.465	414.367	421.603	431.797	435.824
174.5	409.710	413.171	418.897	427.644	430.979
175.0	409.144	412.038	416.380	423.931	426.637
175.5	408.640	410.906	414.115	420.533	422.610
176.0	408.137	409.899	412.038	417.450	419.086
176.5	407.759	408.955	410.339	414.744	415.940
177.0	407.382	408.137	408.766	412.479	413.297
177.5	407.130	407.445	407.382	410.528	411.032
178.0	406.815	406.878	406.375	408.829	409.081
178.5	406.501	406.438	405.494	407.445	407.508
179.0	406.249	406.186	404.802	406.438	406.249
179.5	405.935	405.997	404.298	405.872	405.494
180.0	405.305	405.305	405.305	405.305	405.305



**IES INDOOR REPORT****PHOTOMETRIC FILENAME : SDI5-4-P17-8TW-DMA-50U-50D-POE N\_4000K.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	313.69	N.A.	4.90
0-30	714.24	N.A.	11.00
0-40	1253.78	N.A.	19.40
0-60	2442.79	N.A.	37.80
0-80	3154.12	N.A.	48.80
0-90	3217.13	N.A.	49.80
10-90	3140.12	N.A.	48.60
20-40	940.09	N.A.	14.50
20-50	1549.04	N.A.	24.00
40-70	1642.82	N.A.	25.40
60-80	711.34	N.A.	11.00
70-80	257.52	N.A.	4.00
80-90	63.00	N.A.	1.00
90-110	462.28	N.A.	7.20
90-120	1052.02	N.A.	16.30
90-130	1716.65	N.A.	26.60
90-150	2773.45	N.A.	42.90
90-180	3247.99	N.A.	50.20
110-180	2785.71	N.A.	43.10
0-180	6465.12	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	77.01
10-20	236.68
20-30	400.55
30-40	539.54
40-50	608.94
50-60	580.06
60-70	453.82
70-80	257.52
80-90	63.00
90-100	95.25
100-110	367.03
110-120	589.74
120-130	664.63
130-140	600.61
140-150	456.19
150-160	289.70
160-170	143.91
170-180	40.93

# IES INDOOR REPORT

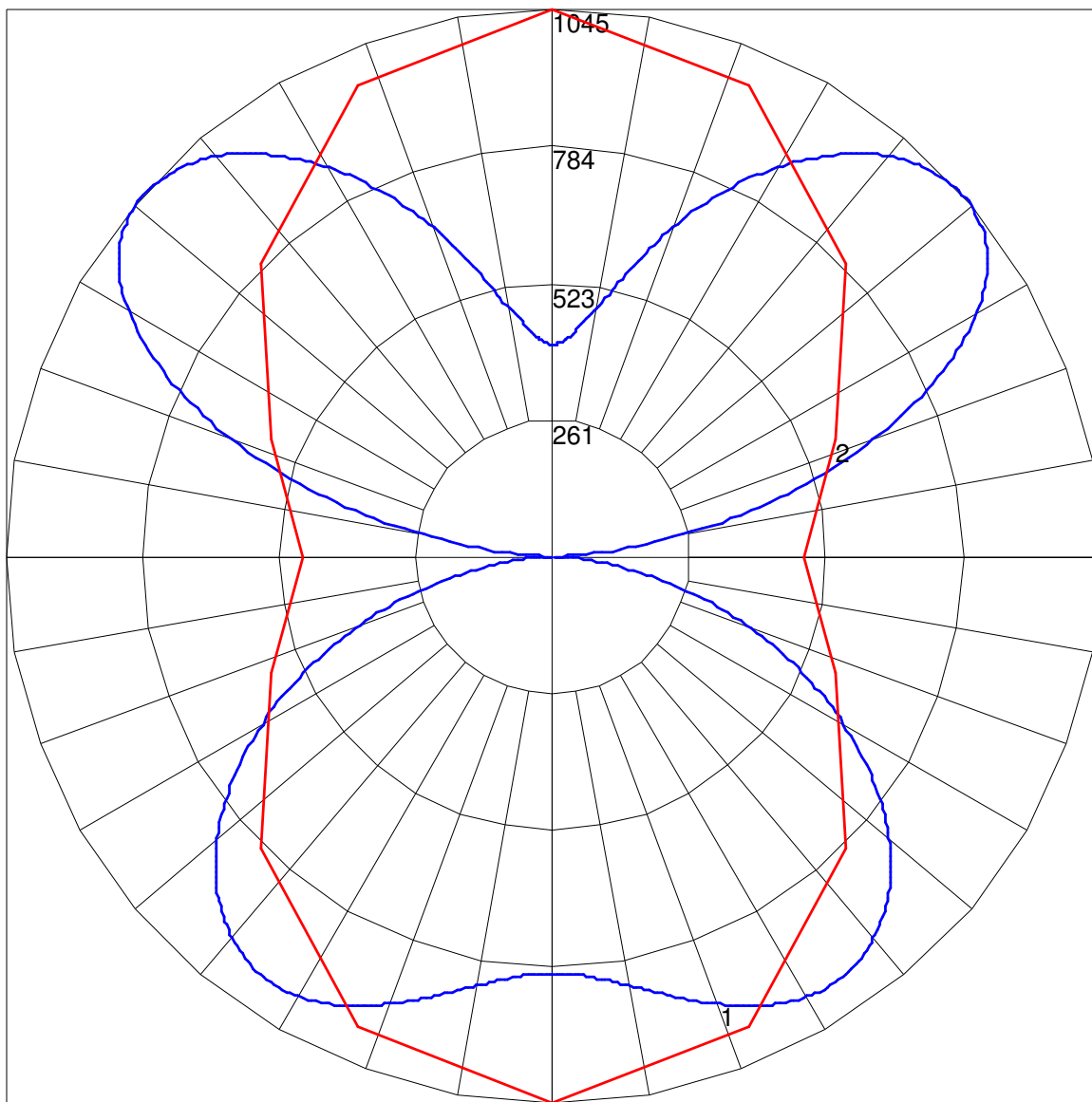
PHOTOMETRIC FILENAME : SDI5-4-P17-8TW-DMA-50U-50D-POE N\_4000K.IES

## 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	107	107	107	107	99	99	99	99	83	83	83	69	69	69	56	56	56	50
1	97	93	89	85	90	86	82	79	72	70	67	60	58	57	49	47	46	41
2	88	80	74	69	81	74	69	64	63	59	55	52	49	46	42	40	38	34
3	80	70	63	56	73	65	58	53	55	50	46	46	42	39	37	34	32	28
4	73	62	53	47	67	57	50	44	48	43	38	40	36	33	33	29	27	23
5	67	55	46	40	61	51	43	38	43	37	33	36	31	28	29	26	23	20
6	61	49	40	34	56	45	38	32	38	32	28	32	27	24	26	23	20	17
7	56	44	36	30	52	41	33	28	35	29	24	29	24	21	24	20	17	15
8	52	40	32	26	48	37	30	25	31	26	21	26	22	18	22	18	15	13
9	49	36	28	23	45	33	26	22	29	23	19	24	20	16	20	16	14	12
10	45	33	25	21	42	31	24	19	26	21	17	22	18	15	18	15	12	10

POLAR GRAPH



Maximum Candela = 1045.198 Located At Horizontal Angle = 90, Vertical Angle = 131  
# 1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (131) (Through Max. Cd.)