



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : SDI5-4-P17-8TW-DMA-90U-10D-POE N\_4000K.IES

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002  
 [TEST] GEN FROM 12731921.02  
 [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-90U-10D-POE N-4000k  
 [LUMINAIRE] White steel housing, clear/frosted 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	6842
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	135
Total Luminaire Watts	50.8
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)	3.77 ft
Luminous Width (90-270)	0.40 ft
Luminous Height	0.15 ft

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

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	2075	1658	1553
55	1969	1466	1344
65	1824	1205	1080
75	1481	818	704
85	775	298	246

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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	312.836	312.836	312.836	312.836	312.836
0.5	316.487	312.899	311.704	313.025	310.948
1.0	316.424	312.899	311.767	313.025	311.011
1.5	316.298	312.836	311.704	313.088	311.011
2.0	316.172	312.711	311.641	313.088	311.137
2.5	316.109	312.585	311.641	313.214	311.326
3.0	315.920	312.459	311.578	313.277	311.515
3.5	315.731	312.270	311.515	313.340	311.767
4.0	315.543	312.144	311.389	313.403	312.081
4.5	315.228	311.892	311.263	313.466	312.396
5.0	314.976	311.641	311.137	313.529	312.648
5.5	314.662	311.389	311.011	313.529	312.962
6.0	314.347	311.137	310.823	313.592	313.214
6.5	313.969	310.886	310.571	313.529	313.466
7.0	313.592	310.571	310.319	313.466	313.655
7.5	313.277	310.193	310.067	313.340	313.718
8.0	312.836	309.816	309.816	313.151	313.718
8.5	312.396	309.438	309.501	312.899	313.592
9.0	311.955	309.061	309.186	312.585	313.340
9.5	311.515	308.557	308.746	312.207	312.962
10.0	310.948	308.054	308.305	311.767	312.522
10.5	310.445	307.613	307.802	311.263	312.018
11.0	309.942	307.110	307.298	310.760	311.389
11.5	309.312	306.543	306.795	310.256	310.697
12.0	308.746	305.977	306.229	309.627	310.005
12.5	308.179	305.348	305.599	309.061	309.249
13.0	307.550	304.718	305.033	308.368	308.494
13.5	306.921	304.089	304.404	307.613	307.676
14.0	306.166	303.397	303.711	306.795	306.858
14.5	305.410	302.641	302.956	305.977	305.977
15.0	304.592	301.886	302.264	305.159	305.033
15.5	303.837	301.131	301.572	304.341	304.089
16.0	303.019	300.376	300.816	303.460	303.145
16.5	302.138	299.558	300.124	302.641	302.264
17.0	301.257	298.740	299.306	301.823	301.257
17.5	300.376	297.859	298.551	300.942	300.187
18.0	299.432	296.978	297.733	300.061	299.117
18.5	298.488	296.096	296.915	299.180	298.047
19.0	297.481	295.215	296.034	298.236	296.978
19.5	296.474	294.209	295.090	297.292	295.845
20.0	295.404	293.265	294.146	296.222	294.649
20.5	294.271	292.195	293.076	295.152	293.516
21.0	293.202	291.188	292.069	293.957	292.321
21.5	292.069	290.118	290.936	292.698	291.188
22.0	290.936	289.048	289.803	291.502	289.992
22.5	289.740	287.978	288.670	290.181	288.859
23.0	288.545	286.845	287.475	288.922	287.601
23.5	287.286	285.713	286.216	287.664	286.216
24.0	286.027	284.517	284.957	286.342	284.832
24.5	284.706	283.258	283.699	285.020	283.384
25.0	283.447	282.063	282.377	283.699	282.000
25.5	282.126	280.804	281.056	282.314	280.552
26.0	280.804	279.545	279.671	280.867	279.105
26.5	279.419	278.161	278.224	279.419	277.594

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : SDI5-4-P17-8TW-DMA-90U-10D-POE N\_4000K.IES****CANDELA TABULATION - (Cont.)**

27.0	277.972	276.776	276.776	277.909	276.084
27.5	276.525	275.392	275.329	276.399	274.511
28.0	275.077	274.007	273.756	274.825	273.000
28.5	273.630	272.560	272.245	273.252	271.427
29.0	272.119	271.049	270.672	271.742	269.854
29.5	270.546	269.539	269.099	270.168	268.217
30.0	268.973	268.029	267.462	268.595	266.581
30.5	267.336	266.392	265.826	267.085	264.945
31.0	265.763	264.819	264.253	265.448	263.246
31.5	264.127	263.183	262.616	263.812	261.610
32.0	262.428	261.547	260.980	262.176	259.847
32.5	260.791	259.847	259.218	260.414	258.148
33.0	259.029	258.148	257.519	258.715	256.386
33.5	257.267	256.386	255.757	256.953	254.561
34.0	255.442	254.624	253.995	255.190	252.799
34.5	253.680	252.862	252.233	253.303	250.911
35.0	251.855	251.037	250.408	251.352	249.023
35.5	250.030	249.275	248.520	249.401	247.072
36.0	248.142	247.387	246.632	247.324	245.184
36.5	246.191	245.499	244.681	245.310	243.296
37.0	244.240	243.548	242.793	243.233	241.345
37.5	242.289	241.597	240.842	241.157	239.394
38.0	240.401	239.646	238.891	239.143	237.444
38.5	238.450	237.695	236.940	237.129	235.430
39.0	236.500	235.681	235.052	235.178	233.479
39.5	234.549	233.668	233.038	233.164	231.465
40.0	232.535	231.654	230.962	231.150	229.451
40.5	230.458	229.577	228.885	229.137	227.374
41.0	228.444	227.563	226.808	227.123	225.361
41.5	226.430	225.486	224.668	225.046	223.410
42.0	224.417	223.410	222.592	222.969	221.333
42.5	222.340	221.270	220.452	220.955	219.319
43.0	220.263	219.193	218.249	218.879	217.242
43.5	218.123	217.054	216.172	216.739	215.103
44.0	215.984	214.977	214.033	214.662	212.963
44.5	213.844	212.837	211.893	212.522	210.886
45.0	211.641	210.760	209.753	210.320	208.746
45.5	209.502	208.558	207.614	208.117	206.544
46.0	207.299	206.355	205.537	205.914	204.404
46.5	205.096	204.089	203.460	203.712	202.201
47.0	202.894	201.761	201.320	201.509	200.062
47.5	200.754	199.558	199.181	199.307	197.859
48.0	198.551	197.293	197.041	197.104	195.594
48.5	196.286	194.964	194.838	194.838	193.328
49.0	194.020	192.699	192.636	192.636	191.062
49.5	191.692	190.370	190.433	190.370	188.860
50.0	189.363	188.105	188.231	188.042	186.594
50.5	187.035	185.776	185.965	185.713	184.329
51.0	184.769	183.448	183.699	183.322	182.063
51.5	182.378	181.119	181.371	180.993	179.798
52.0	180.049	178.791	179.042	178.665	177.469
52.5	177.658	176.462	176.714	176.336	175.204
53.0	175.204	174.071	174.322	173.945	172.875
53.5	172.812	171.742	171.931	171.553	170.547
54.0	170.421	169.414	169.540	169.162	168.218
54.5	168.029	167.022	167.148	166.771	165.827

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : SDI5-4-P17-8TW-DMA-90U-10D-POE N\_4000K.IES****CANDELA TABULATION - (Cont.)**

55.0	165.512	164.694	164.757	164.379	163.435
55.5	162.995	162.302	162.365	161.988	161.044
56.0	160.414	159.848	159.911	159.533	158.652
56.5	157.897	157.394	157.457	157.142	156.198
57.0	155.380	154.939	155.002	154.688	153.744
57.5	152.925	152.485	152.485	152.233	151.289
58.0	150.534	149.968	150.031	149.779	148.835
58.5	148.206	147.387	147.513	147.387	146.381
59.0	145.814	144.807	145.059	144.870	143.863
59.5	143.423	142.164	142.542	142.353	141.346
60.0	141.031	139.584	140.024	139.836	138.829
60.5	138.577	137.067	137.444	137.255	136.311
61.0	136.311	134.549	134.927	134.675	133.794
61.5	133.920	132.095	132.410	132.095	131.340
62.0	131.466	129.578	129.892	129.515	128.822
62.5	129.011	127.186	127.312	126.872	126.305
63.0	126.494	124.732	124.732	124.291	123.725
63.5	123.851	122.215	122.089	121.711	121.145
64.0	121.271	119.697	119.571	119.131	118.564
64.5	118.564	117.180	116.991	116.614	116.047
65.0	115.921	114.600	114.411	114.033	113.530
65.5	113.215	112.019	111.768	111.453	110.950
66.0	110.509	109.376	109.188	108.873	108.432
66.5	107.803	106.796	106.607	106.293	105.852
67.0	105.160	104.153	103.964	103.712	103.209
67.5	102.454	101.510	101.384	101.132	100.566
68.0	99.685	98.867	98.804	98.552	97.923
68.5	96.979	96.223	96.161	95.846	95.217
69.0	94.210	93.454	93.454	93.203	92.448
69.5	91.441	90.748	90.748	90.434	89.741
70.0	88.672	87.979	88.105	87.728	86.972
70.5	85.903	85.210	85.399	84.959	84.266
71.0	83.134	82.504	82.693	82.253	81.560
71.5	80.365	79.735	79.987	79.483	78.854
72.0	77.596	76.966	77.218	76.714	76.148
72.5	74.764	74.260	74.449	74.008	73.442
73.0	71.995	71.554	71.680	71.302	70.736
73.5	69.163	68.848	68.974	68.596	68.030
74.0	66.394	66.205	66.268	65.953	65.387
74.5	63.687	63.562	63.625	63.310	62.744
75.0	60.918	60.856	60.981	60.667	60.100
75.5	58.212	58.275	58.275	57.961	57.457
76.0	55.506	55.632	55.569	55.380	54.814
76.5	52.800	53.115	52.926	52.863	52.297
77.0	50.157	50.598	50.409	50.283	49.779
77.5	47.577	48.143	47.829	47.829	47.325
78.0	44.934	45.626	45.248	45.311	44.871
78.5	42.416	43.046	42.794	42.920	42.416
79.0	39.836	40.528	40.277	40.465	39.962
79.5	37.319	38.074	37.948	38.137	37.571
80.0	34.927	35.620	35.557	35.808	35.305
80.5	32.536	33.228	33.228	33.606	33.102
81.0	30.208	30.900	31.026	31.403	30.963
81.5	27.816	28.571	28.823	29.201	28.760
82.0	25.551	26.306	26.620	26.998	26.620
82.5	23.348	24.103	24.607	24.984	24.544

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : SDI5-4-P17-8TW-DMA-90U-10D-POE N\_4000K.IES****CANDELA TABULATION - (Cont.)**

83.0	21.208	22.026	22.593	22.970	22.593
83.5	19.131	20.075	20.705	21.082	20.642
84.0	17.181	18.125	18.880	19.257	18.880
84.5	15.355	16.299	17.118	17.495	17.181
85.0	13.530	14.537	15.481	15.859	15.544
85.5	11.831	12.964	13.908	14.349	13.971
86.0	10.195	11.454	12.461	12.901	12.524
86.5	8.748	10.132	11.139	11.642	11.139
87.0	7.489	8.873	10.006	10.510	9.880
87.5	6.356	7.804	8.936	9.440	8.748
88.0	5.412	6.860	7.929	8.559	7.804
88.5	4.783	6.104	7.174	7.804	6.923
89.0	4.216	5.475	6.482	6.860	5.790
89.5	3.902	5.160	5.790	5.979	4.657
90.0	4.028	5.475	5.979	6.167	4.720
90.5	2.832	6.293	5.916	5.035	4.468
91.0	3.902	9.817	11.517	10.510	10.069
91.5	5.538	12.524	16.992	17.055	16.551
92.0	7.552	14.978	20.138	22.593	22.719
92.5	10.006	19.257	22.719	25.488	26.180
93.0	12.838	29.326	25.551	28.257	28.949
93.5	16.111	46.255	28.760	31.529	32.221
94.0	19.698	67.086	32.536	35.053	35.871
94.5	23.725	87.350	37.822	38.766	39.521
95.0	28.194	107.363	48.647	42.983	43.675
95.5	33.228	126.494	71.365	47.829	48.269
96.0	38.640	142.730	113.907	54.248	53.304
96.5	44.619	159.911	167.463	67.212	59.849
97.0	51.038	178.098	229.074	96.916	73.064
97.5	57.772	194.209	290.747	143.674	102.517
98.0	65.009	212.522	347.323	202.076	148.143
98.5	72.687	230.395	377.783	277.091	204.530
99.0	80.805	247.827	397.480	363.497	278.350
99.5	89.427	266.455	424.604	451.602	368.594
100.0	98.300	287.097	457.014	538.826	466.454
100.5	107.677	306.292	485.460	604.213	560.853
101.0	117.180	323.094	511.199	634.987	651.349
101.5	127.123	342.729	535.554	659.531	711.135
102.0	137.255	363.308	560.853	687.850	739.455
102.5	147.891	383.509	586.718	719.316	764.627
103.0	158.841	402.515	613.527	751.412	795.464
103.5	169.980	421.709	639.392	782.248	826.930
104.0	181.371	440.715	663.306	811.197	856.509
104.5	192.950	460.916	686.591	837.000	886.716
105.0	204.656	481.747	707.988	862.802	915.665
105.5	216.676	500.249	728.756	887.975	942.726
106.0	228.885	521.142	749.524	914.406	967.899
106.5	241.534	542.225	770.291	940.838	992.442
107.0	254.309	559.909	791.059	966.640	1017.615
107.5	267.399	576.963	811.827	991.813	1043.418
108.0	280.426	592.256	833.224	1013.839	1067.961
108.5	293.705	606.101	853.991	1033.978	1092.505
109.0	307.110	622.149	875.388	1054.745	1115.160
109.5	320.577	638.763	895.527	1075.513	1135.299
110.0	334.233	655.125	915.036	1095.651	1154.178
110.5	348.141	669.600	933.915	1115.160	1173.058

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : SDI5-4-P17-8TW-DMA-90U-10D-POE N\_4000K.IES****CANDELA TABULATION - (Cont.)**

111.0	362.175	682.815	952.166	1133.411	1191.308
111.5	376.146	697.919	969.787	1151.032	1209.559
112.0	390.306	711.135	987.408	1169.911	1227.180
112.5	404.403	724.980	1003.770	1188.162	1244.172
113.0	418.374	739.455	1020.133	1206.412	1261.163
113.5	432.156	755.817	1037.124	1224.663	1278.155
114.0	445.875	769.662	1053.487	1241.654	1295.776
114.5	459.909	782.248	1069.849	1258.017	1312.138
115.0	474.069	792.947	1086.841	1273.750	1329.130
115.5	488.040	802.387	1102.574	1288.854	1344.863
116.0	502.326	813.085	1117.048	1303.957	1359.967
116.5	516.863	823.154	1132.152	1317.802	1374.441
117.0	531.274	830.706	1147.256	1331.647	1388.287
117.5	545.686	837.629	1162.989	1344.863	1401.502
118.0	559.909	843.922	1178.093	1357.450	1414.089
118.5	574.131	852.103	1191.308	1370.036	1426.675
119.0	588.102	861.543	1201.378	1381.364	1438.003
119.5	602.262	869.724	1212.076	1393.321	1449.331
120.0	615.981	877.276	1224.033	1404.649	1460.029
120.5	629.323	885.457	1235.361	1414.718	1470.728
121.0	643.168	894.268	1243.542	1424.787	1480.797
121.5	656.384	903.079	1251.723	1434.856	1490.237
122.0	669.600	912.518	1260.534	1443.667	1499.677
122.5	682.815	920.700	1269.974	1452.477	1508.487
123.0	696.031	928.881	1278.155	1460.659	1517.298
123.5	708.618	937.062	1285.078	1470.099	1524.850
124.0	721.833	943.985	1292.629	1481.426	1532.402
124.5	735.049	950.907	1300.181	1492.125	1539.324
125.0	747.636	957.830	1307.733	1500.306	1545.617
125.5	760.222	964.123	1314.656	1505.341	1553.169
126.0	772.809	971.045	1322.208	1509.117	1561.980
126.5	784.766	976.709	1327.872	1513.522	1572.049
127.0	797.352	983.003	1332.906	1520.444	1579.601
127.5	809.309	988.666	1336.682	1527.367	1584.006
128.0	820.637	994.330	1341.717	1531.772	1587.153
128.5	832.594	999.994	1346.122	1536.177	1589.670
129.0	843.922	1006.287	1350.527	1539.953	1594.704
129.5	855.250	1011.322	1355.562	1543.729	1600.368
130.0	866.578	1017.615	1361.226	1546.876	1604.774
130.5	877.906	1023.279	1365.631	1548.764	1607.291
131.0	889.233	1028.314	1368.778	1550.652	1610.438
131.5	900.561	1033.978	1370.036	1553.169	1613.584
132.0	911.260	1039.642	1370.036	1556.316	1615.472
132.5	922.588	1044.676	1370.036	1559.462	1617.360
133.0	933.286	1050.340	1370.036	1561.980	1619.248
133.5	944.614	1055.375	1369.407	1565.126	1621.136
134.0	955.312	1060.409	1367.519	1567.014	1623.024
134.5	966.011	1065.444	1366.260	1568.273	1624.912
135.0	976.709	1069.849	1366.260	1569.532	1625.541
135.5	987.408	1074.884	1366.260	1569.532	1626.171
136.0	998.106	1079.289	1366.260	1568.273	1626.800
136.5	1008.805	1083.694	1366.890	1567.644	1626.800
137.0	1019.503	1088.099	1367.519	1568.273	1627.429
137.5	1029.572	1092.505	1368.148	1570.161	1625.541
138.0	1040.271	1097.539	1369.407	1572.678	1624.283
138.5	1050.340	1101.945	1369.407	1572.678	1622.395

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : SDI5-4-P17-8TW-DMA-90U-10D-POE N\_4000K.IES****CANDELA TABULATION - (Cont.)**

139.0	1059.780	1106.979	1370.036	1569.532	1619.877
139.5	1069.849	1112.014	1370.666	1565.126	1618.619
140.0	1079.289	1117.048	1370.666	1560.721	1619.877
140.5	1088.099	1122.712	1370.666	1556.316	1620.507
141.0	1097.539	1129.005	1370.036	1551.911	1617.989
141.5	1106.350	1135.299	1370.036	1546.247	1612.326
142.0	1115.160	1142.221	1369.407	1540.583	1606.032
142.5	1123.971	1149.773	1368.778	1536.177	1600.368
143.0	1132.152	1157.325	1368.148	1533.031	1595.334
143.5	1140.963	1164.877	1366.890	1529.255	1589.041
144.0	1148.514	1172.429	1366.260	1526.108	1582.118
144.5	1157.325	1179.351	1364.372	1523.591	1575.825
145.0	1164.877	1186.903	1363.114	1520.444	1571.420
145.5	1173.058	1194.455	1361.855	1517.298	1567.014
146.0	1180.610	1202.007	1359.967	1513.522	1563.238
146.5	1188.162	1208.929	1358.079	1510.375	1559.462
147.0	1195.714	1215.852	1356.191	1507.229	1555.686
147.5	1202.636	1223.404	1354.303	1503.453	1551.911
148.0	1210.817	1230.326	1352.415	1499.677	1548.135
148.5	1217.740	1237.249	1350.527	1495.901	1543.100
149.0	1224.663	1243.542	1348.010	1492.125	1538.695
149.5	1231.585	1249.835	1345.493	1488.349	1534.289
150.0	1239.137	1255.499	1342.975	1483.944	1529.255
150.5	1245.430	1261.163	1340.458	1479.538	1524.850
151.0	1252.353	1266.827	1337.941	1475.762	1519.815
151.5	1259.275	1272.491	1335.423	1470.728	1514.151
152.0	1265.569	1278.155	1332.906	1466.323	1508.487
152.5	1271.862	1283.819	1330.389	1461.288	1502.823
153.0	1278.155	1289.483	1327.872	1456.253	1496.530
153.5	1284.448	1295.776	1325.354	1451.219	1490.237
154.0	1290.741	1300.811	1324.725	1446.184	1483.944
154.5	1296.405	1306.475	1323.466	1440.520	1477.650
155.0	1302.699	1312.138	1323.466	1434.227	1470.728
155.5	1308.363	1317.802	1324.725	1428.563	1464.435
156.0	1314.026	1322.837	1325.984	1422.270	1457.512
156.5	1319.061	1328.501	1327.872	1415.347	1449.960
157.0	1324.725	1333.535	1331.647	1409.054	1443.038
157.5	1329.760	1338.570	1336.682	1402.761	1435.486
158.0	1334.794	1343.605	1342.975	1396.468	1427.934
158.5	1339.829	1348.639	1348.639	1390.175	1420.382
159.0	1344.863	1353.044	1353.674	1384.511	1413.459
159.5	1349.269	1357.450	1358.708	1378.847	1405.908
160.0	1354.303	1361.855	1363.743	1375.700	1398.985
160.5	1358.708	1366.260	1368.148	1373.812	1392.062
161.0	1363.114	1370.666	1373.183	1372.553	1387.028
161.5	1367.519	1374.441	1377.588	1371.924	1383.252
162.0	1371.295	1378.217	1381.993	1374.441	1381.364
162.5	1375.700	1381.993	1385.769	1378.847	1379.476
163.0	1379.476	1385.769	1388.287	1385.140	1379.476
163.5	1383.252	1388.916	1390.804	1391.433	1382.623
164.0	1387.028	1392.062	1393.321	1395.838	1388.287
164.5	1390.175	1395.838	1395.838	1399.614	1395.209
165.0	1393.321	1398.985	1398.356	1403.390	1399.614
165.5	1396.468	1401.502	1400.873	1407.796	1402.761
166.0	1399.614	1404.649	1403.390	1412.201	1406.537
166.5	1402.132	1407.166	1405.908	1414.718	1410.313

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : SDI5-4-P17-8TW-DMA-90U-10D-POE N\_4000K.IES****CANDELA TABULATION - (Cont.)**

167.0	1404.649	1410.313	1407.796	1416.606	1414.089
167.5	1407.166	1412.830	1410.313	1418.494	1417.235
168.0	1410.313	1415.347	1412.201	1419.753	1419.123
168.5	1412.201	1417.235	1414.089	1421.011	1419.753
169.0	1414.718	1419.753	1415.977	1422.270	1421.011
169.5	1416.606	1421.641	1417.865	1424.158	1422.270
170.0	1418.494	1423.529	1419.123	1425.417	1423.529
170.5	1420.382	1425.417	1420.382	1426.675	1425.417
171.0	1421.641	1427.305	1422.270	1427.934	1426.675
171.5	1423.529	1428.563	1423.529	1429.193	1427.934
172.0	1425.417	1429.822	1424.787	1430.451	1429.193
172.5	1426.675	1431.081	1426.046	1431.710	1429.822
173.0	1427.934	1432.339	1427.305	1432.968	1431.081
173.5	1429.193	1433.598	1428.563	1434.227	1432.339
174.0	1430.451	1434.856	1429.193	1434.856	1433.598
174.5	1431.081	1435.486	1430.451	1436.115	1434.227
175.0	1432.339	1436.115	1431.081	1436.744	1434.856
175.5	1432.339	1436.744	1431.710	1437.374	1435.486
176.0	1432.968	1437.374	1432.339	1438.003	1436.115
176.5	1433.598	1438.003	1432.968	1438.632	1436.744
177.0	1434.227	1438.632	1433.598	1438.632	1436.744
177.5	1434.227	1439.262	1433.598	1439.262	1437.374
178.0	1434.856	1439.891	1434.227	1439.891	1437.374
178.5	1434.856	1439.891	1434.227	1439.891	1438.003
179.0	1435.486	1440.520	1434.856	1439.891	1438.632
179.5	1435.486	1440.520	1434.856	1440.520	1439.262
180.0	1438.003	1438.003	1438.003	1438.003	1438.003



**IES INDOOR REPORT****PHOTOMETRIC FILENAME : SDI5-4-P17-8TW-DMA-90U-10D-POE N\_4000K.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	115.46	N.A.	1.70
0-30	245.71	N.A.	3.60
0-40	402.51	N.A.	5.90
0-60	711.71	N.A.	10.40
0-80	889.17	N.A.	13.00
0-90	907.52	N.A.	13.30
10-90	877.76	N.A.	12.80
20-40	287.05	N.A.	4.20
20-50	449.23	N.A.	6.60
40-70	422.26	N.A.	6.20
60-80	177.46	N.A.	2.60
70-80	64.39	N.A.	0.90
80-90	18.36	N.A.	0.30
90-110	799.16	N.A.	11.70
90-120	1796.29	N.A.	26.30
90-130	2891.54	N.A.	42.30
90-150	4770.54	N.A.	69.70
90-180	5934.4	N.A.	86.70
110-180	5135.24	N.A.	75.10
0-180	6841.93	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	29.76
10-20	85.70
20-30	130.25
30-40	156.80
40-50	162.18
50-60	147.02
60-70	113.06
70-80	64.39
80-90	18.36
90-100	118.31
100-110	680.85
110-120	997.13
120-130	1095.25
130-140	1025.28
140-150	853.72
150-160	632.12
160-170	395.21
170-180	136.53

# IES INDOOR REPORT

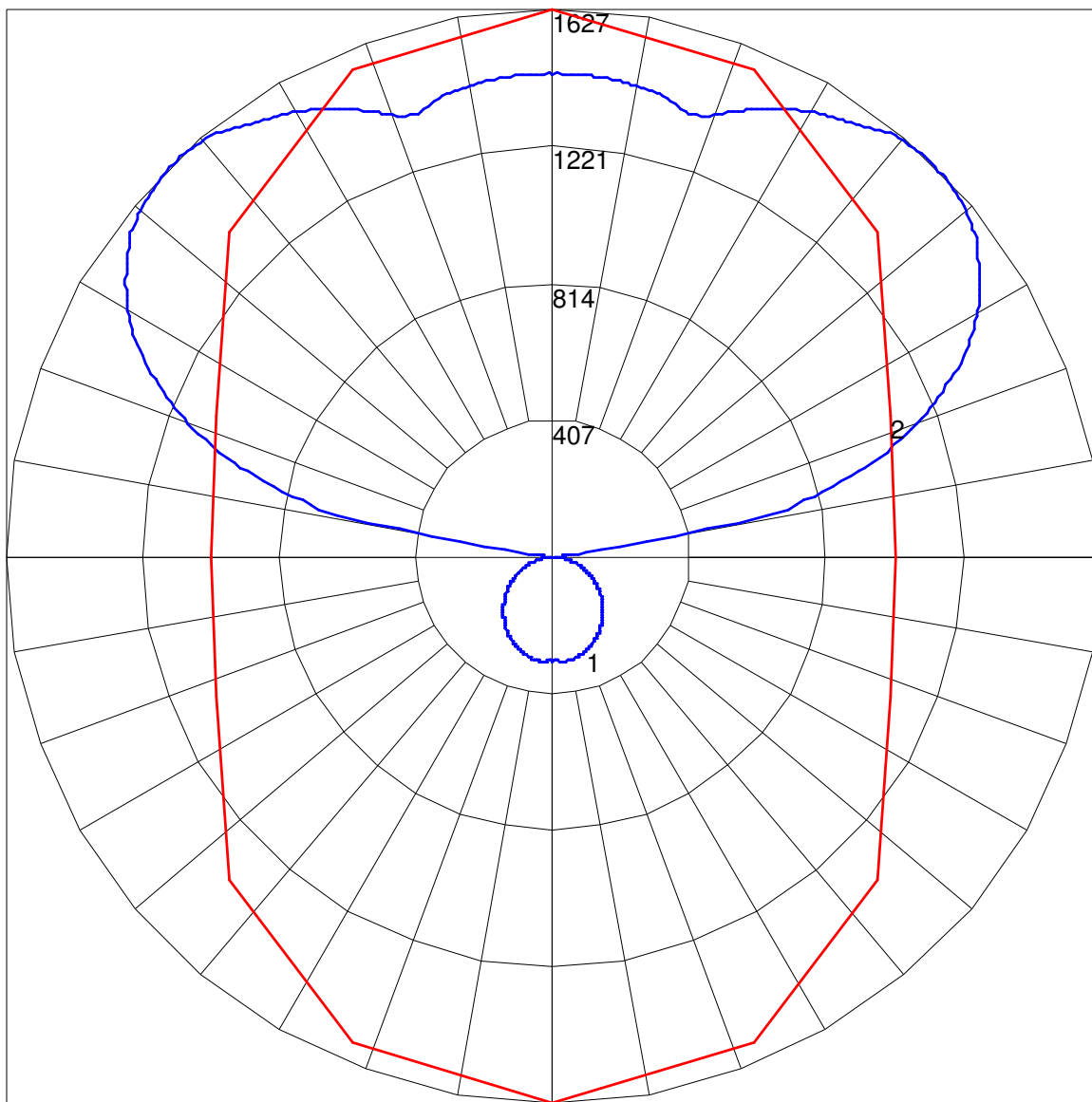
PHOTOMETRIC FILENAME : SDI5-4-P17-8TW-DMA-90U-10D-POE N\_4000K.IES

## 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	98	98	98	98	86	86	86	86	63	63	63	42	42	42	22	22	22	13
1	90	85	82	78	78	75	72	69	55	53	51	37	35	34	20	19	19	11
2	81	74	69	64	71	65	61	56	48	45	42	32	30	29	17	16	16	9
3	74	65	58	53	64	57	52	47	42	38	35	28	26	24	15	14	13	8
4	68	58	50	44	59	51	44	40	37	33	30	25	22	20	13	12	11	7
5	62	51	43	38	54	45	38	34	33	29	26	22	20	18	12	11	10	6
6	57	45	38	32	49	40	34	29	30	25	22	20	17	15	11	10	9	5
7	52	41	33	28	46	36	30	25	27	22	19	18	15	13	10	9	7	4
8	48	37	30	25	42	32	26	22	24	20	17	16	14	12	9	8	7	4
9	45	33	26	22	39	29	23	19	22	18	15	15	12	10	8	7	6	4
10	42	30	24	19	36	27	21	17	20	16	13	14	11	9	8	6	5	3

POLAR GRAPH



Maximum Candela = 1627.429 Located At Horizontal Angle = 90, Vertical Angle = 137  
# 1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (137) (Through Max. Cd.)