



IES INDOOR REPORT

PHOTOMETRIC FILENAME : SDI5-4-P17-835-DMA-90U-10D-POE N.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] GEN FROM 12731921.02
 [TESTLAB] UL Verification Services Inc.
 [ISSUE DATE] 4/2/2019
 [MANUFAC] WILLIAMS INDOOR
 [OTHER] H.E. WILLIAMS, INC. - CARTHAGE, MO.
 [LUMCAT] SDI5-4-P17-835-DMA-90U-10D-POE N
 [LUMINAIRE] White steel housing, clear/frosted lens enclosures
 [LAMP] LED
 [LAMPCAT] HLM 80 CRI 3500K CCT
 [OTHER] This test was performed using the calibrated photodetector met
 [MORE] hod of absolute photometry.
 [_SEARCH_SOURCE TYPE] 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	6847
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	145
Total Luminaire Watts	47.1
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	2077	1660	1554
55	1971	1467	1345
65	1825	1206	1081
75	1482	818	704
85	776	298	247

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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	313.065	313.065	313.065	313.065	313.065
0.5	316.718	313.128	311.931	313.254	311.176
1.0	316.655	313.128	311.994	313.254	311.239
1.5	316.529	313.065	311.931	313.317	311.239
2.0	316.403	312.939	311.868	313.317	311.365
2.5	316.340	312.813	311.868	313.443	311.554
3.0	316.151	312.687	311.806	313.506	311.743
3.5	315.962	312.498	311.743	313.569	311.994
4.0	315.773	312.372	311.617	313.632	312.309
4.5	315.458	312.120	311.491	313.695	312.624
5.0	315.206	311.868	311.365	313.758	312.876
5.5	314.891	311.617	311.239	313.758	313.191
6.0	314.577	311.365	311.050	313.821	313.443
6.5	314.199	311.113	310.798	313.758	313.695
7.0	313.821	310.798	310.546	313.695	313.884
7.5	313.506	310.420	310.294	313.569	313.947
8.0	313.065	310.042	310.042	313.380	313.947
8.5	312.624	309.664	309.727	313.128	313.821
9.0	312.183	309.286	309.412	312.813	313.569
9.5	311.743	308.783	308.971	312.435	313.191
10.0	311.176	308.279	308.531	311.994	312.750
10.5	310.672	307.838	308.027	311.491	312.246
11.0	310.168	307.334	307.523	310.987	311.617
11.5	309.538	306.767	307.019	310.483	310.924
12.0	308.971	306.200	306.452	309.853	310.231
12.5	308.405	305.571	305.823	309.286	309.475
13.0	307.775	304.941	305.256	308.594	308.720
13.5	307.145	304.311	304.626	307.838	307.901
14.0	306.389	303.618	303.933	307.019	307.082
14.5	305.634	302.863	303.177	306.200	306.200
15.0	304.815	302.107	302.485	305.382	305.256
15.5	304.059	301.351	301.792	304.563	304.311
16.0	303.240	300.595	301.036	303.681	303.366
16.5	302.359	299.777	300.343	302.863	302.485
17.0	301.477	298.958	299.525	302.044	301.477
17.5	300.595	298.076	298.769	301.162	300.406
18.0	299.651	297.195	297.950	300.280	299.336
18.5	298.706	296.313	297.132	299.399	298.265
19.0	297.698	295.431	296.250	298.454	297.195
19.5	296.691	294.424	295.305	297.509	296.061
20.0	295.620	293.479	294.361	296.439	294.864
20.5	294.486	292.408	293.290	295.368	293.731
21.0	293.416	291.401	292.282	294.172	292.534
21.5	292.282	290.330	291.149	292.912	291.401
22.0	291.149	289.259	290.015	291.715	290.204
22.5	289.952	288.189	288.881	290.393	289.070
23.0	288.755	287.055	287.685	289.133	287.811
23.5	287.496	285.921	286.425	287.874	286.425
24.0	286.236	284.725	285.166	286.551	285.040
24.5	284.914	283.465	283.906	285.229	283.591
25.0	283.654	282.269	282.584	283.906	282.206
25.5	282.332	281.009	281.261	282.521	280.757
26.0	281.009	279.750	279.876	281.072	279.309
26.5	279.624	278.364	278.427	279.624	277.797

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CANDELA TABULATION - (Cont.)

27.0	278.175	276.979	276.979	278.112	276.286
27.5	276.727	275.593	275.530	276.601	274.711
28.0	275.278	274.207	273.956	275.026	273.200
28.5	273.830	272.759	272.444	273.452	271.625
29.0	272.318	271.248	270.870	271.940	270.051
29.5	270.744	269.736	269.295	270.366	268.413
30.0	269.169	268.225	267.658	268.791	266.776
30.5	267.532	266.587	266.020	267.280	265.139
31.0	265.957	265.013	264.446	265.642	263.438
31.5	264.320	263.375	262.808	264.005	261.801
32.0	262.619	261.738	261.171	262.368	260.037
32.5	260.982	260.037	259.408	260.604	258.337
33.0	259.219	258.337	257.707	258.904	256.574
33.5	257.455	256.574	255.944	257.140	254.747
34.0	255.629	254.810	254.180	255.377	252.984
34.5	253.865	253.047	252.417	253.488	251.094
35.0	252.039	251.220	250.591	251.535	249.205
35.5	250.213	249.457	248.701	249.583	247.253
36.0	248.323	247.568	246.812	247.505	245.363
36.5	246.371	245.678	244.860	245.489	243.474
37.0	244.419	243.726	242.970	243.411	241.522
37.5	242.466	241.774	241.018	241.333	239.569
38.0	240.577	239.821	239.066	239.318	237.617
38.5	238.625	237.869	237.113	237.302	235.602
39.0	236.672	235.854	235.224	235.350	233.649
39.5	234.720	233.838	233.209	233.335	231.634
40.0	232.705	231.823	231.130	231.319	229.619
40.5	230.627	229.745	229.052	229.304	227.541
41.0	228.611	227.730	226.974	227.289	225.525
41.5	226.596	225.651	224.833	225.210	223.573
42.0	224.581	223.573	222.754	223.132	221.495
42.5	222.502	221.432	220.613	221.117	219.479
43.0	220.424	219.353	218.409	219.038	217.401
43.5	218.283	217.212	216.330	216.897	215.260
44.0	216.141	215.134	214.189	214.819	213.119
44.5	214.000	212.993	212.048	212.678	211.040
45.0	211.796	210.914	209.907	210.473	208.899
45.5	209.655	208.710	207.765	208.269	206.695
46.0	207.450	206.506	205.687	206.065	204.553
46.5	205.246	204.239	203.609	203.861	202.349
47.0	203.042	201.908	201.468	201.656	200.208
47.5	200.901	199.704	199.326	199.452	198.004
48.0	198.697	197.437	197.185	197.248	195.737
48.5	196.429	195.107	194.981	194.981	193.469
49.0	194.162	192.840	192.777	192.777	191.202
49.5	191.832	190.509	190.572	190.509	188.998
50.0	189.502	188.242	188.368	188.179	186.731
50.5	187.171	185.912	186.101	185.849	184.463
51.0	184.904	183.582	183.834	183.456	182.196
51.5	182.511	181.252	181.503	181.126	179.929
52.0	180.181	178.921	179.173	178.795	177.599
52.5	177.788	176.591	176.843	176.465	175.332
53.0	175.332	174.198	174.450	174.072	173.001
53.5	172.938	171.868	172.057	171.679	170.671
54.0	170.545	169.538	169.664	169.286	168.341
54.5	168.152	167.144	167.270	166.892	165.948

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CANDELA TABULATION - (Cont.)

55.0	165.633	164.814	164.877	164.499	163.555
55.5	163.114	162.421	162.484	162.106	161.161
56.0	160.532	159.965	160.028	159.650	158.768
56.5	158.013	157.509	157.572	157.257	156.312
57.0	155.493	155.053	155.116	154.801	153.856
57.5	153.037	152.596	152.596	152.344	151.400
58.0	150.644	150.077	150.140	149.888	148.944
58.5	148.314	147.495	147.621	147.495	146.488
59.0	145.921	144.913	145.165	144.976	143.968
59.5	143.528	142.268	142.646	142.457	141.449
60.0	141.134	139.686	140.127	139.938	138.930
60.5	138.678	137.167	137.545	137.356	136.411
61.0	136.411	134.648	135.025	134.774	133.892
61.5	134.018	132.191	132.506	132.191	131.436
62.0	131.562	129.672	129.987	129.609	128.917
62.5	129.105	127.279	127.405	126.964	126.397
63.0	126.586	124.823	124.823	124.382	123.815
63.5	123.941	122.304	122.178	121.800	121.233
64.0	121.359	119.785	119.659	119.218	118.651
64.5	118.651	117.266	117.077	116.699	116.132
65.0	116.006	114.683	114.495	114.117	113.613
65.5	113.298	112.101	111.849	111.535	111.031
66.0	110.590	109.456	109.267	108.952	108.512
66.5	107.882	106.874	106.685	106.370	105.929
67.0	105.237	104.229	104.040	103.788	103.284
67.5	102.529	101.584	101.458	101.206	100.639
68.0	99.758	98.939	98.876	98.624	97.994
68.5	97.050	96.294	96.231	95.916	95.286
69.0	94.279	93.523	93.523	93.271	92.515
69.5	91.507	90.815	90.815	90.500	89.807
70.0	88.736	88.044	88.170	87.792	87.036
70.5	85.965	85.273	85.462	85.021	84.328
71.0	83.194	82.565	82.753	82.313	81.620
71.5	80.423	79.793	80.045	79.542	78.912
72.0	77.652	77.022	77.274	76.771	76.204
72.5	74.818	74.314	74.503	74.062	73.496
73.0	72.047	71.606	71.732	71.354	70.788
73.5	69.213	68.898	69.024	68.646	68.080
74.0	66.442	66.253	66.316	66.001	65.434
74.5	63.734	63.608	63.671	63.356	62.789
75.0	60.963	60.900	61.026	60.711	60.144
75.5	58.255	58.318	58.318	58.003	57.499
76.0	55.547	55.673	55.610	55.421	54.854
76.5	52.839	53.154	52.965	52.902	52.335
77.0	50.194	50.635	50.446	50.320	49.816
77.5	47.612	48.178	47.864	47.864	47.360
78.0	44.967	45.659	45.281	45.344	44.904
78.5	42.447	43.077	42.825	42.951	42.447
79.0	39.865	40.558	40.306	40.495	39.991
79.5	37.346	38.102	37.976	38.165	37.598
80.0	34.953	35.646	35.583	35.835	35.331
80.5	32.560	33.253	33.253	33.630	33.127
81.0	30.230	30.922	31.048	31.426	30.985
81.5	27.836	28.592	28.844	29.222	28.781
82.0	25.569	26.325	26.640	27.018	26.640
82.5	23.365	24.121	24.625	25.002	24.562

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CANDELA TABULATION - (Cont.)

83.0	21.224	22.042	22.609	22.987	22.609
83.5	19.145	20.090	20.720	21.098	20.657
84.0	17.193	18.138	18.893	19.271	18.893
84.5	15.367	16.311	17.130	17.508	17.193
85.0	13.540	14.548	15.493	15.871	15.556
85.5	11.840	12.974	13.918	14.359	13.981
86.0	10.202	11.462	12.470	12.911	12.533
86.5	8.754	10.140	11.147	11.651	11.147
87.0	7.494	8.880	10.014	10.517	9.888
87.5	6.361	7.809	8.943	9.447	8.754
88.0	5.416	6.865	7.935	8.565	7.809
88.5	4.786	6.109	7.180	7.809	6.928
89.0	4.220	5.479	6.487	6.865	5.794
89.5	3.905	5.164	5.794	5.983	4.660
90.0	4.031	5.479	5.983	6.172	4.723
90.5	2.834	6.298	5.920	5.038	4.471
91.0	3.905	9.825	11.525	10.517	10.077
91.5	5.542	12.533	17.004	17.067	16.563
92.0	7.557	14.989	20.153	22.609	22.735
92.5	10.014	19.271	22.735	25.506	26.199
93.0	12.848	29.348	25.569	28.277	28.970
93.5	16.122	46.289	28.781	31.552	32.245
94.0	19.712	67.135	32.560	35.079	35.898
94.5	23.743	87.414	37.850	38.795	39.550
95.0	28.214	107.441	48.682	43.014	43.707
95.5	33.253	126.586	71.417	47.864	48.304
96.0	38.669	142.835	113.991	54.287	53.343
96.5	44.652	160.028	167.585	67.261	59.892
97.0	51.075	178.229	229.241	96.987	73.118
97.5	57.814	194.351	290.960	143.779	102.592
98.0	65.057	212.678	347.577	202.223	148.251
98.5	72.740	230.564	378.059	277.293	204.679
99.0	80.864	248.009	397.771	363.763	278.553
99.5	89.492	266.650	424.915	451.932	368.864
100.0	98.372	287.307	457.348	539.220	466.795
100.5	107.756	306.515	485.815	604.655	561.263
101.0	117.266	323.331	511.573	635.451	651.825
101.5	127.216	342.980	535.945	660.012	711.655
102.0	137.356	363.574	561.263	688.353	739.995
102.5	147.999	383.790	587.147	719.842	765.186
103.0	158.957	402.809	613.975	751.961	796.046
103.5	170.104	422.018	639.859	782.820	827.535
104.0	181.503	441.037	663.791	811.790	857.135
104.5	193.091	461.253	687.093	837.611	887.364
105.0	204.805	482.099	708.506	863.432	916.334
105.5	216.834	500.614	729.289	888.624	943.415
106.0	229.052	521.523	750.071	915.075	968.606
106.5	241.711	542.621	770.854	941.525	993.168
107.0	254.495	560.318	791.637	967.347	1018.359
107.5	267.595	577.385	812.420	992.538	1044.180
108.0	280.631	592.689	833.833	1014.580	1068.742
108.5	293.920	606.544	854.615	1034.733	1093.303
109.0	307.334	622.603	876.028	1055.516	1115.975
109.5	320.811	639.230	896.181	1076.299	1136.128
110.0	334.478	655.604	915.704	1096.452	1155.022
110.5	348.396	670.089	934.598	1115.975	1173.915

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CANDELA TABULATION - (Cont.)

111.0	362.440	683.314	952.862	1134.239	1192.179
111.5	376.421	698.429	970.495	1151.873	1210.443
112.0	390.591	711.655	988.129	1170.766	1228.077
112.5	404.699	725.510	1004.504	1189.030	1245.081
113.0	418.680	739.995	1020.878	1207.294	1262.085
113.5	432.472	756.369	1037.882	1225.558	1279.089
114.0	446.201	770.225	1054.257	1242.562	1296.723
114.5	460.245	782.820	1070.631	1258.936	1313.097
115.0	474.415	793.526	1087.635	1274.681	1330.102
115.5	488.397	802.973	1103.380	1289.795	1345.846
116.0	502.693	813.680	1117.865	1304.910	1360.961
116.5	517.241	823.756	1132.979	1318.765	1375.446
117.0	531.663	831.313	1148.094	1332.621	1389.301
117.5	546.085	838.241	1163.839	1345.846	1402.527
118.0	560.318	844.539	1178.954	1358.442	1415.122
118.5	574.551	852.726	1192.179	1371.037	1427.718
119.0	588.532	862.173	1202.256	1382.373	1439.054
119.5	602.702	870.360	1212.962	1394.339	1450.390
120.0	616.432	877.917	1224.928	1405.675	1461.096
120.5	629.783	886.105	1236.264	1415.752	1471.803
121.0	643.638	894.922	1244.451	1425.829	1481.879
121.5	656.864	903.738	1252.638	1435.905	1491.326
122.0	670.089	913.185	1261.455	1444.722	1500.773
122.5	683.314	921.372	1270.902	1453.539	1509.590
123.0	696.540	929.560	1279.089	1461.726	1518.407
123.5	709.136	937.747	1286.017	1471.173	1525.964
124.0	722.361	944.674	1293.574	1482.509	1533.521
124.5	735.586	951.602	1301.132	1493.215	1540.449
125.0	748.182	958.530	1308.689	1501.402	1546.747
125.5	760.778	964.827	1315.617	1506.441	1554.304
126.0	773.373	971.755	1323.174	1510.219	1563.121
126.5	785.339	977.423	1328.842	1514.628	1573.198
127.0	797.935	983.721	1333.880	1521.556	1580.755
127.5	809.901	989.389	1337.659	1528.483	1585.164
128.0	821.237	995.057	1342.697	1532.892	1588.313
128.5	833.203	1000.725	1347.106	1537.300	1590.832
129.0	844.539	1007.023	1351.514	1541.079	1595.870
129.5	855.875	1012.061	1356.552	1544.857	1601.538
130.0	867.211	1018.359	1362.220	1548.006	1605.946
130.5	878.547	1024.027	1366.629	1549.896	1608.466
131.0	889.883	1029.065	1369.778	1551.785	1611.614
131.5	901.219	1034.733	1371.037	1554.304	1614.763
132.0	911.926	1040.401	1371.037	1557.453	1616.653
132.5	923.262	1045.440	1371.037	1560.602	1618.542
133.0	933.968	1051.108	1371.037	1563.121	1620.431
133.5	945.304	1056.146	1370.408	1566.270	1622.321
134.0	956.010	1061.184	1368.518	1568.159	1624.210
134.5	966.717	1066.222	1367.259	1569.419	1626.099
135.0	977.423	1070.631	1367.259	1570.679	1626.729
135.5	988.129	1075.669	1367.259	1570.679	1627.359
136.0	998.836	1080.078	1367.259	1569.419	1627.989
136.5	1009.542	1084.486	1367.888	1568.789	1627.989
137.0	1020.248	1088.895	1368.518	1569.419	1628.619
137.5	1030.325	1093.303	1369.148	1571.308	1626.729
138.0	1041.031	1098.341	1370.408	1573.828	1625.470
138.5	1051.108	1102.750	1370.408	1573.828	1623.580

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CANDELA TABULATION - (Cont.)

139.0	1060.554	1107.788	1371.037	1570.679	1621.061
139.5	1070.631	1112.826	1371.667	1566.270	1619.802
140.0	1080.078	1117.865	1371.667	1561.862	1621.061
140.5	1088.895	1123.533	1371.667	1557.453	1621.691
141.0	1098.341	1129.831	1371.037	1553.045	1619.172
141.5	1107.158	1136.128	1371.037	1547.377	1613.504
142.0	1115.975	1143.056	1370.408	1541.709	1607.206
142.5	1124.792	1150.613	1369.778	1537.300	1601.538
143.0	1132.979	1158.171	1369.148	1534.151	1596.500
143.5	1141.796	1165.728	1367.888	1530.372	1590.202
144.0	1149.354	1173.286	1367.259	1527.224	1583.274
144.5	1158.171	1180.213	1365.369	1524.704	1576.976
145.0	1165.728	1187.771	1364.110	1521.556	1572.568
145.5	1173.915	1195.328	1362.850	1518.407	1568.159
146.0	1181.473	1202.885	1360.961	1514.628	1564.381
146.5	1189.030	1209.813	1359.072	1511.479	1560.602
147.0	1196.588	1216.741	1357.182	1508.330	1556.823
147.5	1203.515	1224.298	1355.293	1504.551	1553.045
148.0	1211.702	1231.226	1353.403	1500.773	1549.266
148.5	1218.630	1238.153	1351.514	1496.994	1544.228
149.0	1225.558	1244.451	1348.995	1493.215	1539.819
149.5	1232.485	1250.749	1346.476	1489.437	1535.411
150.0	1240.043	1256.417	1343.957	1485.028	1530.372
150.5	1246.340	1262.085	1341.438	1480.620	1525.964
151.0	1253.268	1267.753	1338.918	1476.841	1520.926
151.5	1260.196	1273.421	1336.399	1471.803	1515.258
152.0	1266.493	1279.089	1333.880	1467.394	1509.590
152.5	1272.791	1284.757	1331.361	1462.356	1503.922
153.0	1279.089	1290.425	1328.842	1457.318	1497.624
153.5	1285.387	1296.723	1326.323	1452.279	1491.326
154.0	1291.685	1301.761	1325.693	1447.241	1485.028
154.5	1297.353	1307.429	1324.433	1441.573	1478.730
155.0	1303.651	1313.097	1324.433	1435.275	1471.803
155.5	1309.319	1318.765	1325.693	1429.607	1465.505
156.0	1314.987	1323.804	1326.953	1423.309	1458.577
156.5	1320.025	1329.472	1328.842	1416.382	1451.020
157.0	1325.693	1334.510	1332.621	1410.084	1444.092
157.5	1330.731	1339.548	1337.659	1403.786	1436.535
158.0	1335.770	1344.587	1343.957	1397.488	1428.977
158.5	1340.808	1349.625	1349.625	1391.190	1421.420
159.0	1345.846	1354.033	1354.663	1385.522	1414.492
159.5	1350.255	1358.442	1359.701	1379.854	1406.935
160.0	1355.293	1362.850	1364.740	1376.705	1400.007
160.5	1359.701	1367.259	1369.148	1374.816	1393.080
161.0	1364.110	1371.667	1374.186	1373.557	1388.042
161.5	1368.518	1375.446	1378.595	1372.927	1384.263
162.0	1372.297	1379.225	1383.003	1375.446	1382.373
162.5	1376.705	1383.003	1386.782	1379.854	1380.484
163.0	1380.484	1386.782	1389.301	1386.152	1380.484
163.5	1384.263	1389.931	1391.820	1392.450	1383.633
164.0	1388.042	1393.080	1394.339	1396.859	1389.301
164.5	1391.190	1396.859	1396.859	1400.637	1396.229
165.0	1394.339	1400.007	1399.378	1404.416	1400.637
165.5	1397.488	1402.527	1401.897	1408.824	1403.786
166.0	1400.637	1405.675	1404.416	1413.233	1407.565
166.5	1403.156	1408.195	1406.935	1415.752	1411.344

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CANDELA TABULATION - (Cont.)

167.0	1405.675	1411.344	1408.824	1417.641	1415.122
167.5	1408.195	1413.863	1411.344	1419.531	1418.271
168.0	1411.344	1416.382	1413.233	1420.790	1420.160
168.5	1413.233	1418.271	1415.122	1422.050	1420.790
169.0	1415.752	1420.790	1417.012	1423.309	1422.050
169.5	1417.641	1422.680	1418.901	1425.199	1423.309
170.0	1419.531	1424.569	1420.160	1426.458	1424.569
170.5	1421.420	1426.458	1421.420	1427.718	1426.458
171.0	1422.680	1428.348	1423.309	1428.977	1427.718
171.5	1424.569	1429.607	1424.569	1430.237	1428.977
172.0	1426.458	1430.867	1425.829	1431.497	1430.237
172.5	1427.718	1432.126	1427.088	1432.756	1430.867
173.0	1428.977	1433.386	1428.348	1434.016	1432.126
173.5	1430.237	1434.645	1429.607	1435.275	1433.386
174.0	1431.497	1435.905	1430.237	1435.905	1434.645
174.5	1432.126	1436.535	1431.497	1437.165	1435.275
175.0	1433.386	1437.165	1432.126	1437.794	1435.905
175.5	1433.386	1437.794	1432.756	1438.424	1436.535
176.0	1434.016	1438.424	1433.386	1439.054	1437.165
176.5	1434.645	1439.054	1434.016	1439.684	1437.794
177.0	1435.275	1439.684	1434.645	1439.684	1437.794
177.5	1435.275	1440.314	1434.645	1440.314	1438.424
178.0	1435.905	1440.943	1435.275	1440.943	1438.424
178.5	1435.905	1440.943	1435.275	1440.943	1439.054
179.0	1436.535	1441.573	1435.905	1440.943	1439.684
179.5	1436.535	1441.573	1435.905	1441.573	1440.314
180.0	1439.054	1439.054	1439.054	1439.054	1439.054

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SDI5-4-P17-835-DMA-90U-10D-POE N.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	115.55	N.A.	1.70
0-30	245.89	N.A.	3.60
0-40	402.80	N.A.	5.90
0-60	712.23	N.A.	10.40
0-80	889.82	N.A.	13.00
0-90	908.19	N.A.	13.30
10-90	878.40	N.A.	12.80
20-40	287.26	N.A.	4.20
20-50	449.56	N.A.	6.60
40-70	422.57	N.A.	6.20
60-80	177.59	N.A.	2.60
70-80	64.44	N.A.	0.90
80-90	18.37	N.A.	0.30
90-110	799.75	N.A.	11.70
90-120	1797.61	N.A.	26.30
90-130	2893.65	N.A.	42.30
90-150	4774.03	N.A.	69.70
90-180	5938.74	N.A.	86.70
110-180	5138.99	N.A.	75.10
0-180	6846.93	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	29.78
10-20	85.77
20-30	130.35
30-40	156.91
40-50	162.30
50-60	147.12
60-70	113.15
70-80	64.44
80-90	18.37
90-100	118.40
100-110	681.35
110-120	997.86
120-130	1096.05
130-140	1026.03
140-150	854.34
150-160	632.58
160-170	395.50
170-180	136.63

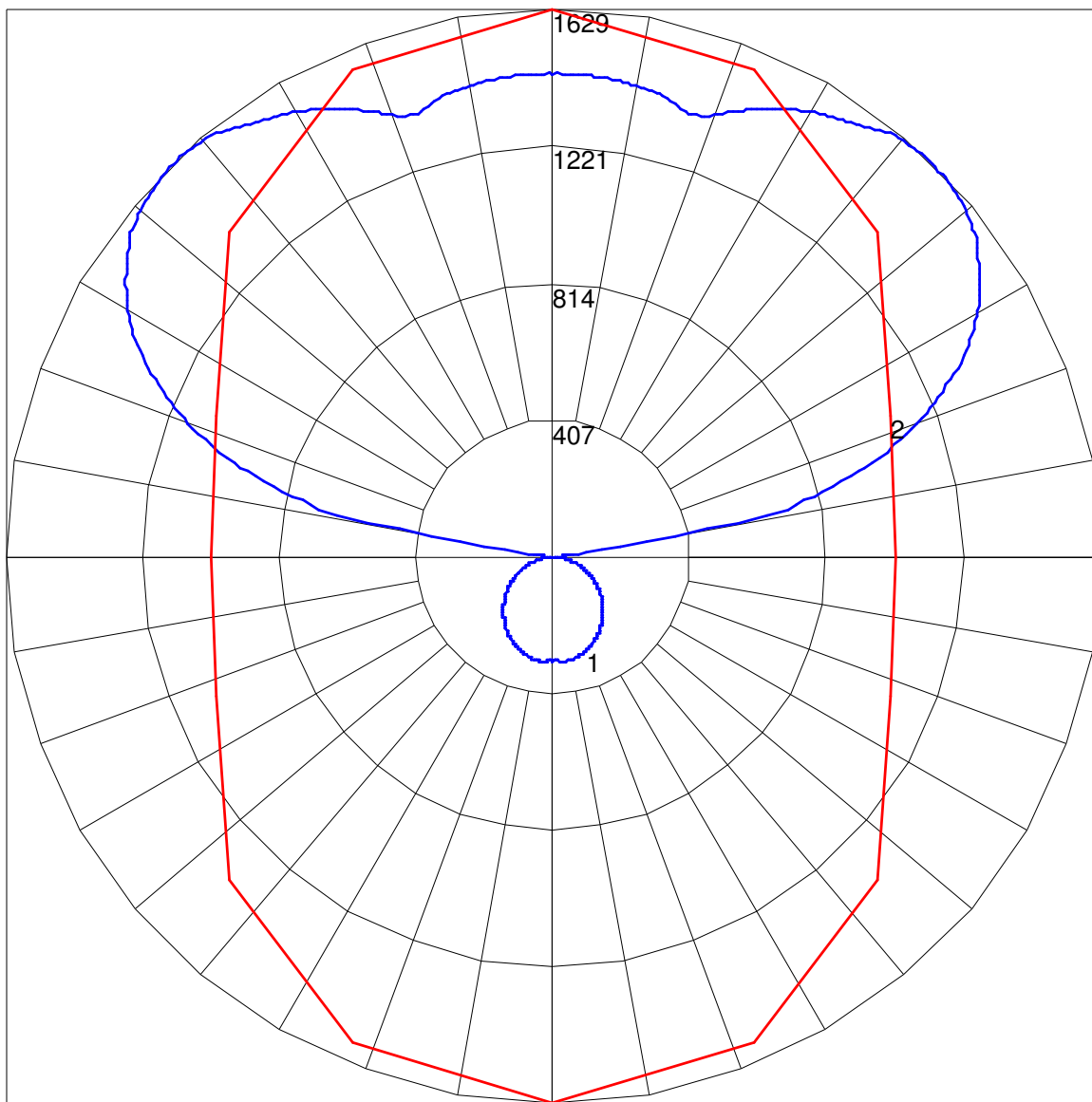
IES INDOOR REPORT
PHOTOMETRIC FILENAME : SDI5-4-P17-835-DMA-90U-10D-POE N.IES

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 = 1628.619 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.)