



IES INDOOR REPORT

PHOTOMETRIC FILENAME : VW4-LED35DMVSSF40.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] LLIA000535-xxx
 [TESTLAB] LightLab International Allentown, LLC
 [MANUFAC] Mobern Lighting Co., 8200 Stayton Drive, Jessup, MD 20794, USA
 [LUMCAT] VW4-LED35DMVSSF40
 [LUMINAIRE] Catalog Number: VW4-LED35DMVSSF40
 [MORE] Pendant/surface mounted, white plastic vapor tight housing, white enamel internal reflector
 [MORE] with frosted acrylic lens enclosure
 [MORE] 128 White LEDs
 [MORE] One Universal Lighting Technologies, Everline D10CC55UNVTZ-C LED power supply, output set at 637mA
 [OTHER] Report Extrapolated from LLIA000535-001 VW4-LED23DMVSSF30
 [MORE] NA conventions used for C0 plane alignment and C-plane rotation direction.
 [DATE] This file created: Tuesday, February 23, 2016 11:09 AM
 [ISSUEDATE] This file created: Tuesday, February 23, 2016 11:09 AM

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	4508
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	130
Total Luminaire Watts	34.7
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.24
Spacing Criterion (90-270)	1.28
Spacing Criterion (Diagonal)	1.40
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	1.28 m
Luminous Width (90-270)	0.15 m
Luminous Height	0.04 m

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	6846	6202	5988
55	6032	5505	5327
65	4915	4537	4299
75	3647	3268	2989
85	2054	2107	1682

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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	1543.222	1543.222	1543.222	1543.222	1543.222
0.5	1529.261	1543.935	1546.257	1547.349	1540.581
1.0	1528.881	1543.540	1546.014	1547.243	1540.445
1.5	1528.669	1543.464	1545.756	1546.879	1540.308
2.0	1528.047	1542.888	1545.285	1546.575	1539.974
2.5	1527.531	1542.326	1544.663	1545.953	1539.580
3.0	1526.651	1541.780	1544.102	1545.316	1539.033
3.5	1525.770	1540.809	1543.115	1544.572	1538.199
4.0	1524.875	1539.822	1542.235	1543.677	1537.425
4.5	1523.585	1538.684	1541.143	1542.569	1536.423
5.0	1522.326	1537.455	1539.989	1541.477	1535.573
5.5	1520.899	1536.135	1538.457	1540.263	1534.359
6.0	1519.291	1534.602	1537.106	1538.942	1533.115
6.5	1517.728	1533.024	1535.604	1537.364	1531.658
7.0	1515.846	1531.355	1533.980	1535.680	1529.913
7.5	1513.995	1529.261	1532.098	1533.874	1528.365
8.0	1511.870	1527.440	1530.004	1532.007	1526.529
8.5	1509.700	1525.179	1527.925	1529.974	1524.556
9.0	1507.136	1522.811	1525.695	1527.728	1522.599
9.5	1504.708	1520.474	1523.388	1525.512	1520.535
10.0	1502.082	1517.834	1521.051	1523.145	1518.092
10.5	1499.260	1515.269	1518.319	1520.596	1515.573
11.0	1496.619	1512.416	1515.558	1517.758	1513.054
11.5	1493.448	1509.457	1512.735	1514.905	1510.155
12.0	1490.397	1506.346	1509.624	1512.022	1507.318
12.5	1486.892	1503.084	1506.468	1508.896	1504.525
13.0	1483.599	1499.791	1503.205	1505.557	1501.187
13.5	1480.048	1496.331	1499.882	1502.386	1498.091
14.0	1476.376	1492.780	1496.467	1498.956	1494.783
14.5	1472.491	1488.895	1492.780	1495.269	1491.171
15.0	1468.439	1485.147	1488.986	1491.429	1487.514
15.5	1464.296	1481.035	1484.980	1487.590	1483.827
16.0	1460.078	1476.998	1480.974	1483.463	1479.881
16.5	1455.859	1472.688	1476.816	1479.517	1475.936
17.0	1451.292	1468.333	1472.461	1475.192	1471.899
17.5	1446.390	1463.644	1468.060	1470.807	1467.589
18.0	1441.837	1458.925	1463.492	1466.284	1463.082
18.5	1436.997	1454.144	1458.818	1461.535	1458.636
19.0	1431.837	1449.076	1453.932	1456.755	1454.023
19.5	1426.784	1443.932	1448.985	1451.944	1449.319
20.0	1421.473	1438.681	1443.947	1447.012	1444.281
20.5	1415.873	1433.188	1438.757	1441.716	1439.227
21.0	1410.456	1427.679	1433.567	1436.708	1434.356
21.5	1404.841	1422.064	1428.165	1431.412	1429.166
22.0	1398.832	1416.192	1422.459	1425.722	1423.734
22.5	1392.944	1410.273	1416.708	1420.274	1418.316
23.0	1386.783	1404.188	1410.865	1414.598	1412.990
23.5	1380.409	1397.709	1404.886	1408.650	1407.087
24.0	1373.975	1391.487	1398.786	1402.898	1401.442
24.5	1367.495	1384.931	1392.716	1396.768	1395.660
25.0	1360.651	1378.269	1386.358	1390.698	1389.681
25.5	1353.777	1371.380	1379.999	1384.491	1383.687
26.0	1347.009	1364.612	1373.444	1378.194	1377.678
26.5	1339.786	1357.480	1366.767	1371.608	1371.274

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CANDELA TABULATION - (Cont.)

27.0	1332.441	1350.256	1359.953	1364.946	1364.900
27.5	1325.202	1343.063	1353.200	1358.405	1358.481
28.0	1317.463	1335.461	1346.068	1351.622	1352.001
28.5	1309.845	1328.040	1339.163	1344.687	1345.446
29.0	1302.106	1320.286	1331.804	1337.646	1338.739
29.5	1293.972	1312.395	1324.444	1330.620	1331.834
30.0	1285.763	1304.489	1317.038	1323.533	1324.823
30.5	1277.629	1296.400	1309.633	1316.234	1317.918
31.0	1269.009	1288.009	1301.878	1308.586	1310.498
31.5	1260.405	1279.723	1294.215	1301.287	1303.214
32.0	1251.740	1271.164	1286.339	1293.714	1295.900
32.5	1242.741	1262.454	1278.327	1285.884	1288.175
33.0	1233.606	1253.652	1270.254	1278.099	1280.239
33.5	1224.653	1244.729	1262.181	1270.087	1272.500
34.0	1215.093	1235.564	1253.925	1261.983	1264.685
34.5	1205.639	1226.519	1245.503	1253.667	1256.323
35.0	1196.094	1217.293	1237.096	1245.367	1248.235
35.5	1186.048	1207.687	1228.507	1236.702	1239.600
36.0	1175.971	1198.173	1219.797	1228.128	1231.148
36.5	1166.032	1188.506	1211.132	1219.402	1222.559
37.0	1155.485	1178.582	1202.194	1210.525	1213.621
37.5	1145.151	1168.687	1193.317	1201.450	1204.834
38.0	1134.483	1158.611	1184.242	1192.497	1195.805
38.5	1123.694	1148.399	1175.061	1183.195	1186.533
39.0	1112.783	1138.337	1165.865	1173.862	1177.474
39.5	1101.872	1127.821	1156.563	1164.317	1168.156
40.0	1090.506	1117.305	1147.018	1154.787	1158.581
40.5	1079.185	1106.652	1137.579	1145.136	1148.899
41.0	1067.728	1096.121	1127.836	1135.333	1139.551
41.5	1055.968	1085.225	1117.927	1125.348	1129.597
42.0	1044.435	1074.314	1108.003	1115.363	1119.566
42.5	1032.598	1063.312	1098.018	1105.377	1109.900
43.0	1020.655	1052.265	1087.790	1094.998	1099.793
43.5	1008.546	1040.960	1077.546	1084.952	1089.838
44.0	996.239	1029.624	1067.182	1074.542	1079.762
44.5	984.084	1018.243	1056.468	1063.965	1069.413
45.0	971.716	1006.876	1045.922	1053.540	1059.321
45.5	959.030	995.343	1035.360	1043.038	1049.048
46.0	946.283	983.628	1024.282	1032.234	1038.501
46.5	933.703	971.928	1013.523	1021.718	1028.182
47.0	921.031	960.244	1002.521	1011.019	1017.894
47.5	907.738	948.195	991.292	1000.017	1007.241
48.0	894.870	936.373	980.093	989.289	996.618
48.5	881.713	924.355	968.727	978.317	985.889
49.0	868.298	912.184	957.269	967.224	974.888
49.5	855.202	900.060	945.615	956.253	964.037
50.0	841.772	887.859	934.203	945.190	953.111
50.5	828.130	875.415	922.230	933.687	941.791
51.0	814.791	863.033	910.409	922.519	930.713
51.5	801.225	850.817	898.724	911.122	919.484
52.0	787.461	838.115	886.539	899.620	908.072
52.5	773.728	825.566	874.535	888.117	896.524
53.0	759.903	813.016	862.410	876.371	885.188
53.5	745.988	800.132	850.088	864.474	873.397
54.0	732.361	787.476	838.070	852.774	861.788
54.5	718.582	774.790	825.808	841.090	850.104

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CANDELA TABULATION - (Cont.)

55.0	704.439	761.633	813.107	828.752	837.903
55.5	690.705	748.962	800.815	816.946	826.097
56.0	676.623	736.048	788.402	804.882	814.230
56.5	662.571	722.998	775.685	792.545	801.756
57.0	648.868	709.917	763.075	780.283	789.434
57.5	635.028	697.064	750.434	767.885	777.021
58.0	621.007	683.725	737.414	755.290	764.228
58.5	607.030	670.720	724.773	742.816	751.618
59.0	593.267	657.730	711.981	730.100	738.522
59.5	579.457	644.331	698.733	717.079	725.122
60.0	565.785	631.371	685.971	704.348	712.087
60.5	552.067	618.275	673.026	691.343	698.748
61.0	538.470	604.906	659.885	677.822	684.757
61.5	524.812	591.931	646.713	664.665	671.190
62.0	511.504	578.866	633.723	651.311	657.169
62.5	497.907	565.694	620.369	637.562	642.934
63.0	484.735	552.613	607.364	623.935	628.822
63.5	471.624	539.638	594.132	610.172	614.421
64.0	458.467	526.557	580.960	595.983	599.762
64.5	445.447	513.780	567.864	582.234	585.740
65.0	432.837	501.018	554.768	568.364	571.354
65.5	419.953	487.861	541.414	553.948	556.725
66.0	407.373	475.220	528.257	539.927	542.552
66.5	394.960	462.519	515.252	526.087	528.621
67.0	382.425	449.908	502.035	512.005	514.463
67.5	370.528	437.237	488.954	498.089	500.608
68.0	358.555	424.900	475.949	484.432	487.133
68.5	346.445	412.411	462.883	470.577	473.597
69.0	334.882	400.134	449.999	457.314	460.683
69.5	323.379	388.040	437.116	444.187	447.617
70.0	311.831	375.885	424.172	430.909	434.627
70.5	300.526	364.003	411.652	418.405	422.093
71.0	289.524	352.288	399.087	405.946	409.573
71.5	278.431	340.299	386.477	393.290	397.266
72.0	267.915	328.964	374.231	381.363	385.035
72.5	257.307	317.522	362.151	369.344	372.865
73.0	246.746	306.247	350.193	357.402	360.604
73.5	236.593	295.017	338.357	345.823	348.570
74.0	226.290	284.091	326.824	333.987	336.460
74.5	216.380	273.241	315.382	322.575	324.320
75.0	206.714	262.634	304.426	311.406	312.302
75.5	197.063	252.209	293.560	300.162	300.480
76.0	187.517	241.844	282.816	288.826	288.765
76.5	178.291	231.965	272.513	277.885	277.308
77.0	169.080	222.116	262.315	267.004	266.109
77.5	160.066	212.435	252.193	256.291	254.970
78.0	151.249	203.026	242.603	245.881	244.120
78.5	142.478	193.861	233.027	235.820	233.649
79.0	134.056	184.892	223.558	225.592	223.346
79.5	125.664	176.364	214.544	216.031	213.269
80.0	117.743	168.002	205.591	206.547	203.603
80.5	109.548	159.838	196.789	197.290	194.119
81.0	101.870	152.023	188.322	188.291	184.832
81.5	94.328	144.451	180.127	179.702	176.015
82.0	86.998	137.091	172.176	171.068	167.259
82.5	79.714	130.004	164.315	163.010	158.973

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CANDELA TABULATION - (Cont.)

83.0	73.022	123.342	156.834	155.119	151.173
83.5	66.315	116.635	149.337	147.516	143.556
84.0	60.275	110.580	142.387	140.293	136.332
84.5	54.175	104.465	135.543	133.388	129.337
85.0	48.423	98.713	128.957	126.635	122.568
85.5	43.279	93.190	122.690	120.368	116.468
86.0	38.438	88.000	116.787	114.344	110.246
86.5	33.886	82.840	110.914	108.471	104.541
87.0	29.728	78.121	105.451	103.053	99.381
87.5	26.329	73.508	100.292	97.955	94.161
88.0	23.172	69.092	95.253	92.947	89.502
88.5	20.547	64.979	90.473	88.394	84.965
89.0	18.680	61.095	85.997	84.039	80.685
89.5	17.011	57.179	81.748	79.851	76.497
90.0	15.903	53.841	77.620	76.027	72.886
90.5	15.145	50.533	73.917	72.385	69.410
91.0	14.765	47.392	70.169	68.819	66.042
91.5	14.507	44.508	66.861	65.693	62.916
92.0	14.265	41.746	63.568	62.688	60.093
92.5	13.870	39.258	60.533	59.592	57.210
93.0	13.749	36.769	57.589	57.043	54.660
93.5	13.400	34.508	54.903	54.493	52.369
94.0	13.233	32.414	52.308	52.081	50.062
94.5	13.081	30.471	49.986	49.880	47.999
95.0	12.914	28.620	47.680	47.771	45.980
95.5	12.580	26.769	45.525	45.829	44.068
96.0	12.368	25.175	43.370	43.962	42.369
96.5	12.352	23.612	41.564	42.247	40.775
97.0	12.231	22.186	39.667	40.532	39.152
97.5	12.201	20.850	37.922	39.030	37.740
98.0	11.912	19.515	36.344	37.543	36.268
98.5	11.806	18.407	34.645	36.299	35.085
99.0	11.624	17.360	33.142	34.842	33.855
99.5	11.442	16.283	31.503	33.628	32.596
100.0	11.336	15.418	30.183	32.383	31.579
100.5	11.381	14.659	28.666	31.276	30.502
101.0	10.987	13.855	27.269	30.138	29.485
101.5	10.805	13.111	26.101	29.151	28.499
102.0	10.577	12.474	24.796	28.074	27.649
102.5	10.456	11.912	23.673	27.209	26.693
103.0	10.349	11.321	22.687	26.192	25.889
103.5	10.031	10.759	21.594	25.282	25.160
104.0	9.864	10.228	20.668	24.295	24.295
104.5	9.666	9.864	19.561	23.476	23.370
105.0	9.348	9.348	18.635	22.656	22.838
105.5	9.211	8.893	17.846	21.867	22.095
106.0	8.953	8.589	16.996	21.078	21.503
106.5	8.786	8.255	16.268	20.577	20.653
107.0	8.574	7.937	15.433	19.834	20.259
107.5	8.316	7.557	14.735	19.075	19.652
108.0	8.012	7.238	14.082	18.589	19.045
108.5	7.694	7.041	13.460	17.937	18.483
109.0	7.466	6.586	12.777	17.375	17.815
109.5	7.238	6.510	12.261	16.738	17.284
110.0	7.102	6.389	11.670	16.237	16.890
110.5	6.889	6.100	11.017	15.600	16.298

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CANDELA TABULATION - (Cont.)

111.0	6.723	5.949	10.683	15.008	15.888
111.5	6.540	5.842	10.031	14.522	15.312
112.0	6.313	5.691	9.424	14.052	14.856
112.5	6.055	5.645	9.059	13.475	14.492
113.0	5.964	5.463	8.407	13.126	14.037
113.5	5.767	5.387	8.103	12.595	13.460
114.0	5.569	5.235	7.770	12.216	13.187
114.5	5.539	5.114	7.238	11.715	12.656
115.0	5.251	5.023	6.844	11.123	12.277
115.5	5.129	4.871	6.495	10.789	11.806
116.0	4.902	4.735	6.207	10.365	11.761
116.5	4.902	4.613	5.812	10.061	11.245
117.0	4.765	4.492	5.463	9.560	10.896
117.5	4.674	4.386	5.084	9.196	10.425
118.0	4.537	4.386	4.856	8.893	10.061
118.5	4.355	4.188	4.477	8.407	9.758
119.0	4.340	4.188	4.234	8.149	9.393
119.5	4.188	3.991	4.037	7.618	9.014
120.0	4.052	3.930	3.809	7.481	8.741
120.5	4.082	3.870	3.612	7.072	8.452
121.0	3.976	3.839	3.354	6.783	8.088
121.5	3.915	3.748	3.111	6.540	7.618
122.0	3.763	3.672	2.929	6.161	7.360
122.5	3.854	3.581	2.792	5.903	7.238
123.0	3.642	3.490	2.716	5.584	6.738
123.5	3.657	3.475	2.443	5.387	6.480
124.0	3.596	3.323	2.382	5.099	6.313
124.5	3.460	3.384	2.382	4.841	6.100
125.0	3.460	3.293	2.261	4.644	5.721
125.5	3.490	3.247	2.261	4.461	5.463
126.0	3.399	3.156	2.094	4.158	5.372
126.5	3.399	3.187	2.216	4.097	5.144
127.0	3.278	3.156	2.231	3.794	4.856
127.5	3.247	3.050	2.231	3.642	4.537
128.0	3.308	3.065	2.291	3.475	4.355
128.5	3.096	3.081	2.276	3.247	4.219
129.0	3.172	2.929	2.216	3.111	3.991
129.5	3.141	3.005	2.382	2.914	3.839
130.0	3.020	2.944	2.291	2.747	3.627
130.5	3.035	2.868	2.322	2.701	3.596
131.0	3.096	2.838	2.337	2.549	3.172
131.5	3.065	2.823	2.398	2.549	3.111
132.0	2.853	2.792	2.337	2.443	2.929
132.5	2.838	2.686	2.276	2.428	2.883
133.0	2.777	2.762	2.322	2.367	2.671
133.5	2.701	2.610	2.413	2.367	2.671
134.0	2.747	2.686	2.231	2.307	2.519
134.5	2.716	2.640	2.398	2.367	2.367
135.0	2.747	2.686	2.322	2.322	2.428
135.5	2.625	2.610	2.367	2.307	2.337
136.0	2.580	2.610	2.231	2.398	2.307
136.5	2.565	2.519	2.307	2.352	2.307
137.0	2.656	2.549	2.261	2.261	2.352
137.5	2.519	2.428	2.291	2.261	2.185
138.0	2.549	2.428	2.246	2.367	2.276
138.5	2.337	2.398	2.109	2.291	2.246

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CANDELA TABULATION - (Cont.)

139.0	2.549	2.367	2.231	2.246	2.140
139.5	2.489	2.291	2.216	2.231	2.185
140.0	2.337	2.367	2.231	2.246	2.307
140.5	2.337	2.291	2.094	2.155	2.125
141.0	2.382	2.200	2.140	2.155	2.170
141.5	2.382	2.170	2.125	2.155	2.109
142.0	2.276	2.216	2.125	2.094	2.079
142.5	2.125	2.216	2.094	2.185	2.033
143.0	2.276	2.170	2.155	2.140	2.125
143.5	2.170	2.185	2.018	2.018	2.109
144.0	2.125	2.155	2.094	2.109	2.216
144.5	2.049	2.125	1.942	2.094	2.003
145.0	2.185	2.125	2.003	2.018	2.064
145.5	2.033	2.049	1.912	2.079	2.003
146.0	2.018	2.049	1.973	1.988	2.003
146.5	1.988	2.049	1.988	1.973	1.973
147.0	2.079	2.018	1.988	1.958	1.927
147.5	1.973	1.958	1.973	1.867	1.851
148.0	2.109	1.942	1.942	1.942	1.806
148.5	1.958	1.882	1.851	1.912	1.806
149.0	1.927	1.821	1.867	1.882	1.745
149.5	1.775	1.867	1.882	1.867	1.715
150.0	1.791	1.912	1.745	1.730	1.715
150.5	1.760	1.821	1.745	1.654	1.654
151.0	1.730	1.806	1.715	1.669	1.609
151.5	1.730	1.715	1.669	1.639	1.609
152.0	1.760	1.654	1.548	1.487	1.548
152.5	1.684	1.578	1.624	1.593	1.548
153.0	1.669	1.578	1.533	1.578	1.472
153.5	1.426	1.593	1.502	1.442	1.548
154.0	1.502	1.487	1.487	1.502	1.381
154.5	1.563	1.502	1.411	1.426	1.457
155.0	1.442	1.518	1.442	1.426	1.290
155.5	1.442	1.472	1.411	1.305	1.260
156.0	1.518	1.426	1.457	1.351	1.305
156.5	1.426	1.411	1.396	1.411	1.366
157.0	1.487	1.335	1.320	1.275	1.335
157.5	1.351	1.396	1.260	1.335	1.335
158.0	1.320	1.305	1.351	1.260	1.275
158.5	1.320	1.351	1.305	1.320	1.275
159.0	1.305	1.381	1.290	1.260	1.153
159.5	1.426	1.396	1.275	1.305	1.214
160.0	1.366	1.275	1.305	1.260	1.153
160.5	1.275	1.366	1.244	1.168	1.229
161.0	1.335	1.351	1.305	1.260	1.229
161.5	1.138	1.244	1.229	1.214	1.138
162.0	1.199	1.260	1.275	1.123	1.290
162.5	1.275	1.184	1.199	1.184	1.138
163.0	1.275	1.244	1.229	1.153	1.168
163.5	1.275	1.214	1.184	1.168	1.184
164.0	1.275	1.244	1.123	1.214	1.229
164.5	1.260	1.305	1.199	1.123	1.138
165.0	1.168	1.214	1.214	1.184	1.168
165.5	1.275	1.214	1.199	1.168	1.184
166.0	1.290	1.168	1.153	1.093	1.093
166.5	1.153	1.123	1.184	1.062	1.153

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CANDELA TABULATION - (Cont.)

167.0	1.229	1.335	1.184	1.077	1.184
167.5	1.214	1.229	1.108	1.168	1.077
168.0	1.184	1.275	1.062	1.077	1.047
168.5	1.199	1.229	1.123	1.108	1.123
169.0	1.214	1.199	1.168	1.047	1.123
169.5	1.138	1.199	1.138	1.108	1.123
170.0	1.184	1.108	1.108	1.153	1.093
170.5	0.000	0.000	0.000	0.000	0.000
171.0	0.000	0.000	0.000	0.000	0.000
171.5	0.000	0.000	0.000	0.000	0.000
172.0	0.000	0.000	0.000	0.000	0.000
172.5	0.000	0.000	0.000	0.000	0.000
173.0	0.000	0.000	0.000	0.000	0.000
173.5	0.000	0.000	0.000	0.000	0.000
174.0	0.000	0.000	0.000	0.000	0.000
174.5	0.000	0.000	0.000	0.000	0.000
175.0	0.000	0.000	0.000	0.000	0.000
175.5	0.000	0.000	0.000	0.000	0.000
176.0	0.000	0.000	0.000	0.000	0.000
176.5	0.000	0.000	0.000	0.000	0.000
177.0	0.000	0.000	0.000	0.000	0.000
177.5	0.000	0.000	0.000	0.000	0.000
178.0	0.000	0.000	0.000	0.000	0.000
178.5	0.000	0.000	0.000	0.000	0.000
179.0	0.000	0.000	0.000	0.000	0.000
179.5	0.000	0.000	0.000	0.000	0.000
180.0	0.000	0.000	0.000	0.000	0.000

IES INDOOR REPORT
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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	565.50	N.A.	12.50
0-30	1202.69	N.A.	26.70
0-40	1972.03	N.A.	43.70
0-60	3475.39	N.A.	77.10
0-80	4304.71	N.A.	95.50
0-90	4429.74	N.A.	98.30
10-90	4283.63	N.A.	95.00
20-40	1406.53	N.A.	31.20
20-50	2200.95	N.A.	48.80
40-70	2029.61	N.A.	45.00
60-80	829.31	N.A.	18.40
70-80	303.07	N.A.	6.70
80-90	125.04	N.A.	2.80
90-110	62.16	N.A.	1.40
90-120	70.28	N.A.	1.60
90-130	73.76	N.A.	1.60
90-150	76.98	N.A.	1.70
90-180	78.01	N.A.	1.70
110-180	15.85	N.A.	0.40
0-180	4507.75	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	146.11
10-20	419.39
20-30	637.20
30-40	769.33
40-50	794.42
50-60	708.94
60-70	526.24
70-80	303.07
80-90	125.04
90-100	43.91
100-110	18.26
110-120	8.11
120-130	3.48
130-140	1.93
140-150	1.29
150-160	0.69
160-170	0.34
170-180	0.01

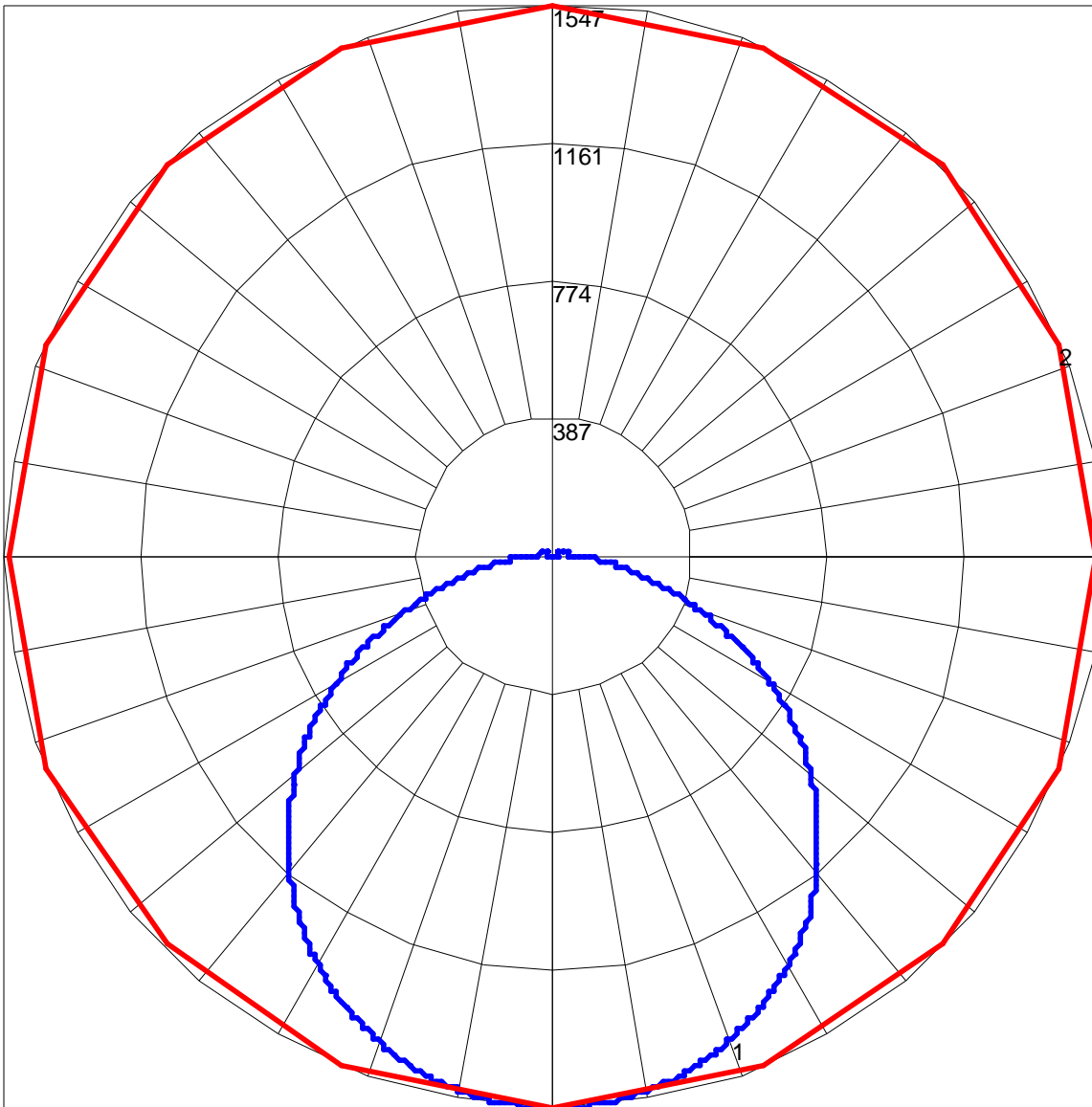
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	119	119	119	119	116	116	116	116	110	110	110	105	105	105	100	100	100	98
1	108	103	99	95	105	101	97	93	96	93	90	92	89	87	88	86	84	82
2	98	90	83	77	95	88	81	76	84	79	74	80	76	72	77	73	70	68
3	89	79	71	64	87	77	69	63	74	67	62	71	65	61	68	63	59	57
4	82	70	61	54	79	68	60	54	66	58	53	63	57	52	61	55	51	49
5	75	62	53	47	73	61	53	46	59	51	46	57	50	45	55	49	44	42
6	70	56	47	41	67	55	47	40	53	46	40	51	45	39	49	44	39	37
7	64	51	42	36	63	50	42	36	48	41	35	47	40	35	45	39	35	33
8	60	46	38	32	58	46	37	32	44	37	32	43	36	31	41	35	31	29
9	56	43	34	29	55	42	34	29	41	33	28	39	33	28	38	32	28	26
10	53	39	31	26	51	39	31	26	38	31	26	37	30	26	36	30	25	24

POLAR GRAPH



Maximum Candela = 1547.349 Located At Horizontal Angle = 67.5, Vertical Angle = .5
1 - Vertical Plane Through Horizontal Angles (67.5 - 247.5) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (.5) (Through Max. Cd.)