



IES INDOOR REPORT

PHOTOMETRIC FILENAME : MW-LED35-LO-D1.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] L041502001R02
 [TESTLAB] LIGHT LABORATORY, INC.
 [ISSUE DATE] 6/19/2015
 [MANUFAC] PRUDENTIAL LTG.
 [LUMCAT] MW-LED35-LO-D1
 [LUMINAIRE] 1-3/4"L. x 48W. X 4-3/4"H. LED FIXTURE
 [MORE] LINEAR PRISMATIC LENS
 [BALLASTCAT] OSRAM OPTOTRONIC
 [BALLAST] INPUT: 120-277VAC
 [LAMPPOSITION] 0,0
 [LAMPCAT] N/A
 [OTHER] INDICATING THE CANDELA VALUES ARE ABSOLUTE AND
 [MORE] SHOULD NOT BE FACTORED FOR DIFFERENT LAMP RATINGS.
 [TEST PROCEDURE] IESNA:LM-79-08

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1820
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	96
Total Luminaire Watts	19
Ballast Factor	1.00
CIE Type	Semi-Direct
Spacing Criterion (0-180)	0.28
Spacing Criterion (90-270)	1.24
Spacing Criterion (Diagonal)	1.32
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	0.30 ft
Luminous Width (90-270)	4.00 ft
Luminous Height	0.08 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	0	15	3931
55	0	14	3321
65	0	15	2333
75	0	7	1418
85	0	1	649

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CANDELA TABULATION

	<u>0</u>	<u>5</u>	<u>10</u>	<u>15</u>	<u>20</u>	<u>25</u>	<u>30</u>	<u>35</u>	<u>40</u>	<u>45</u>
0.0	507.343	507.343	507.343	507.343	507.343	507.343	507.343	507.343	507.343	507.343
2.5	414.175	414.435	415.402	417.066	419.422	422.443	426.114	430.399	435.266	440.679
5.0	321.001	321.542	323.502	326.862	331.599	337.667	345.025	353.610	363.366	374.202
7.5	266.952	267.358	269.001	271.866	275.922	281.138	287.472	294.866	303.269	312.390
10.0	212.898	213.502	215.758	219.643	225.118	232.133	240.646	250.089	260.900	272.948
12.5	178.901	179.306	181.017	184.018	188.276	193.580	199.732	206.991	218.894	233.995
15.0	144.903	145.434	147.545	151.206	156.281	162.386	169.868	178.667	188.687	199.493
17.5	121.020	121.394	123.074	126.043	129.818	134.670	141.565	150.556	161.798	174.320
20.0	97.136	97.604	99.575	102.892	107.188	112.850	119.688	127.291	136.022	149.661
22.5	78.156	78.499	80.215	82.930	86.694	91.738	98.561	107.240	117.156	127.603
25.0	59.176	59.556	61.469	64.345	68.593	73.897	80.278	87.937	98.004	109.632
27.5	41.174	41.595	43.586	46.493	50.944	56.134	63.258	71.224	80.413	92.128
30.0	23.171	23.686	25.813	29.151	33.821	39.614	46.415	54.642	64.657	75.613
32.5	12.433	12.776	14.066	15.995	18.075	23.504	30.597	39.135	48.677	60.627
35.0	1.695	2.278	4.056	6.718	9.630	12.314	15.106	23.795	33.722	45.396
37.5	1.560	1.534	1.539	1.550	1.867	5.517	7.987	8.746	19.588	30.763
40.0	1.425	1.430	1.451	1.472	1.456	1.420	3.307	4.316	6.547	18.491
42.5	0.712	0.770	0.936	1.217	1.394	1.378	1.409	2.122	1.773	8.637
45.0	0.000	0.062	0.244	0.546	0.910	1.336	1.357	1.336	1.456	1.414
47.5	0.000	0.000	0.000	0.000	0.307	0.822	1.310	1.290	1.269	1.300
50.0	0.000	0.000	0.000	0.000	0.000	0.270	0.884	1.253	1.227	1.222
52.5	0.000	0.000	0.000	0.000	0.000	0.000	0.406	1.102	1.201	1.180
55.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.692	1.180	1.154
57.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.307	1.102	1.113
60.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.780	1.082
62.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.484	1.045
65.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.213	1.024
67.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.863
70.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.671
72.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.510
75.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.380
77.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.265
80.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.172
82.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.094
85.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.042
87.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010
90.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
95.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.052
100.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.250
105.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.645
110.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.435	1.586
115.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.946	2.220	2.168
120.0	0.000	0.000	0.000	0.000	0.000	0.000	0.759	2.449	2.496	2.449
125.0	0.000	0.000	0.000	0.000	0.000	1.217	2.730	2.792	2.766	2.740
130.0	0.000	0.177	0.697	1.482	2.491	3.094	3.084	3.078	3.047	2.980
135.0	3.474	3.448	3.479	3.411	3.406	3.406	3.364	3.333	3.271	3.198
140.0	3.744	3.754	3.744	3.718	3.692	3.682	3.614	3.552	3.484	3.349
145.0	4.009	3.983	3.968	3.952	3.910	3.848	3.765	3.666	3.567	3.442
150.0	4.098	4.098	4.082	4.040	3.973	3.895	3.812	3.723	3.619	3.505
155.0	4.009	4.009	3.999	3.952	3.895	3.832	3.770	3.702	3.609	3.505
160.0	3.921	3.900	3.874	3.843	3.791	3.734	3.682	3.624	3.562	3.474
165.0	3.656	3.650	3.645	3.630	3.604	3.562	3.510	3.453	3.390	3.323
170.0	3.385	3.380	3.375	3.359	3.344	3.318	3.292	3.245	3.198	3.151
175.0	3.032	3.032	3.032	3.037	3.037	3.037	3.042	3.042	3.047	3.047

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CANDELA TABULATION - (Cont.)

180.0	3.120	3.120	3.120	3.120	3.120	3.120	3.120	3.120	3.120	3.120
Vert. Angles	Horizontal Angles									
	50	55	60	65	70	75	80	85	90	95
0.0	507.343	507.343	507.343	507.343	507.343	507.343	507.343	507.343	507.343	507.343
2.5	446.602	452.988	459.779	466.934	474.396	482.102	490.006	498.035	506.142	518.794
5.0	386.048	398.809	412.386	426.676	441.574	456.966	472.737	488.769	504.936	530.140
7.5	325.213	344.016	364.036	385.112	407.098	429.837	453.164	476.918	500.926	538.418
10.0	286.140	300.378	315.848	343.793	372.908	402.990	433.826	465.202	496.917	546.411
12.5	250.489	268.076	286.588	306.114	338.088	375.060	412.974	451.604	490.703	551.704
15.0	214.536	235.316	257.395	280.618	306.483	347.516	392.454	438.199	484.484	556.561
17.5	188.022	203.310	228.727	255.117	282.651	319.186	370.474	422.703	475.618	558.194
20.0	165.006	181.210	199.607	229.434	260.468	294.133	348.930	407.467	466.752	559.260
22.5	141.866	159.983	179.166	204.173	238.144	273.281	326.482	390.598	455.593	556.873
25.0	122.288	139.116	159.578	180.861	215.816	254.160	304.595	374.057	444.428	553.727
27.5	105.576	119.969	140.800	163.623	194.204	235.206	282.516	356.434	431.330	547.430
30.0	89.326	104.790	122.502	146.973	173.602	216.887	261.191	339.222	418.226	540.368
32.5	73.544	89.487	106.532	130.764	157.279	198.058	243.745	320.408	402.766	533.676
35.0	59.082	74.755	92.284	113.750	141.362	179.296	226.793	302.000	387.301	525.990
37.5	44.715	59.987	78.036	97.583	125.798	160.529	209.118	282.641	370.484	514.816
40.0	30.207	46.322	64.002	83.652	110.266	142.126	191.766	263.682	353.662	502.169
42.5	18.590	32.963	50.118	70.439	95.368	125.367	173.373	242.861	335.015	483.870
45.0	10.572	20.348	37.450	57.398	80.922	110.292	155.454	222.326	316.363	463.840
47.5	5.023	8.575	25.600	44.845	67.122	96.138	139.220	203.044	294.018	434.845
50.0	1.825	3.136	15.278	32.625	54.142	82.347	123.609	184.532	271.674	403.874
52.5	1.160	1.570	8.128	20.961	42.338	68.723	106.865	163.348	245.138	364.723
55.0	1.113	1.160	3.401	11.211	30.857	55.422	90.438	142.719	218.603	323.419
57.5	1.066	1.045	1.113	4.430	20.654	43.238	75.306	122.777	191.578	280.415
60.0	1.035	0.988	0.962	2.319	12.818	31.855	60.986	103.490	164.554	236.506
62.5	1.014	0.962	0.920	0.889	6.874	21.726	48.095	85.888	139.646	201.141
65.0	0.998	0.941	0.889	0.853	3.151	12.470	35.922	68.838	114.738	165.173
67.5	0.983	0.910	0.853	0.822	1.342	6.822	25.657	55.864	94.021	138.013
70.0	0.962	0.894	0.832	0.785	0.889	3.292	15.922	43.404	73.299	110.833
72.5	0.962	0.905	0.822	0.754	0.718	1.565	8.778	31.226	58.661	90.558
75.0	0.967	0.894	0.806	0.749	0.676	0.702	2.335	19.188	44.023	70.288
77.5	0.962	0.874	0.796	0.738	0.645	0.562	1.097	11.866	32.687	57.054
80.0	0.967	0.879	0.796	0.712	0.624	0.536	0.624	4.768	21.346	44.309
82.5	0.978	0.889	0.806	0.723	0.640	0.551	0.504	2.532	14.550	33.738
85.0	1.009	0.926	0.837	0.754	0.666	0.572	0.447	0.442	7.753	23.202
87.5	1.040	0.952	0.863	0.780	0.692	0.598	0.489	0.426	4.056	16.531
90.0	1.071	0.983	0.889	0.801	0.712	0.624	0.536	0.447	0.359	9.890
95.0	1.212	1.108	1.009	0.905	0.811	0.718	0.671	0.577	0.447	3.567
100.0	1.404	1.300	1.217	1.097	0.998	0.894	0.801	0.671	0.577	0.983
105.0	1.607	1.524	1.451	1.295	1.175	1.035	0.936	0.796	0.712	1.232
110.0	1.846	1.778	1.674	1.513	1.362	1.243	1.097	0.931	0.848	1.456
115.0	2.137	2.044	1.908	1.747	1.570	1.404	1.238	1.108	1.071	1.752
120.0	2.376	2.278	2.106	1.971	1.784	1.591	1.435	1.284	1.201	2.023
125.0	2.647	2.512	2.330	2.174	1.981	1.784	1.596	1.466	1.425	2.382
130.0	2.870	2.725	2.522	2.330	2.137	1.934	1.763	1.643	1.607	2.704
135.0	3.047	2.891	2.699	2.506	2.324	2.127	1.966	1.877	1.872	3.058
140.0	3.203	3.052	2.886	2.714	2.522	2.345	2.179	2.116	2.137	3.442
145.0	3.318	3.177	3.011	2.850	2.678	2.512	2.366	2.324	2.319	3.879
150.0	3.380	3.255	3.110	2.954	2.808	2.657	2.512	2.517	2.538	4.280
155.0	3.390	3.266	3.141	3.011	2.886	2.761	2.688	2.699	2.720	4.337
160.0	3.380	3.266	3.156	3.037	2.928	2.818	2.839	2.865	2.896	4.269

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165.0	3.255	3.177	3.094	3.011	2.912	2.917	2.922	2.933	2.943	4.092
170.0	3.099	3.047	2.995	3.006	3.016	3.032	3.042	3.058	3.073	3.864
175.0	3.052	3.052	3.058	3.058	3.063	3.063	3.068	3.068	3.073	3.484
180.0	3.120	3.120	3.120	3.120	3.120	3.120	3.120	3.120	3.120	3.120

Vert. Angles	Horizontal Angles									
	<u>100</u>	<u>105</u>	<u>110</u>	<u>115</u>	<u>120</u>	<u>125</u>	<u>130</u>	<u>135</u>	<u>140</u>	<u>145</u>
0.0	507.343	507.343	507.343	507.343	507.343	507.343	507.343	507.343	507.343	507.343
2.5	531.362	543.748	555.859	567.606	578.900	589.654	599.784	609.216	617.885	625.711
5.0	555.178	579.862	604.006	627.432	650.104	676.983	702.484	726.232	748.046	767.759
7.5	575.739	612.628	649.730	694.210	737.116	778.128	816.930	854.365	889.299	920.405
10.0	595.691	645.601	706.254	765.289	823.670	879.596	933.936	984.807	1028.399	1058.522
12.5	612.576	683.852	759.236	834.033	909.615	982.134	1038.788	1083.415	1124.770	1155.450
15.0	629.663	720.273	809.978	903.276	998.577	1056.234	1114.500	1151.587	1173.125	1191.726
17.5	648.185	752.487	860.538	969.478	1049.173	1124.287	1151.254	1178.341	1186.583	1191.018
20.0	665.174	782.636	907.842	1013.360	1099.493	1138.810	1168.352	1172.137	1173.858	1167.005
22.5	677.960	811.476	950.498	1051.419	1114.454	1148.290	1151.472	1147.494	1139.169	1121.650
25.0	689.005	837.372	973.471	1074.476	1117.615	1126.788	1120.616	1102.884	1077.076	1055.408
27.5	696.145	858.822	992.644	1071.283	1097.283	1091.012	1066.036	1035.190	1001.432	968.864
30.0	702.582	881.364	1005.914	1059.552	1058.444	1032.970	993.325	953.337	916.916	888.248
32.5	703.737	878.129	992.462	1026.464	1001.374	959.088	912.028	868.140	840.128	821.803
35.0	703.201	872.778	963.336	966.690	927.857	878.306	830.404	798.486	778.388	765.258
37.5	695.214	857.220	923.624	901.113	846.669	796.260	759.450	738.551	725.707	718.718
40.0	682.822	832.614	863.309	819.827	765.440	724.313	699.234	687.601	679.988	678.324
42.5	659.584	791.762	787.602	736.986	687.773	659.485	646.703	637.426	634.707	633.537
45.0	630.401	726.024	707.054	655.897	621.052	602.446	592.644	589.160	589.150	592.218
47.5	586.113	651.711	627.401	583.679	561.309	548.090	544.102	545.828	550.607	558.371
50.0	532.033	573.992	547.924	519.792	506.163	500.308	503.178	507.432	518.055	529.984
52.5	470.246	501.301	477.646	460.210	456.482	457.772	466.534	475.992	488.072	502.070
55.0	406.775	431.896	419.437	410.197	413.338	419.978	432.994	445.994	460.803	476.902
57.5	350.672	371.348	366.652	365.232	375.060	387.260	401.747	418.215	435.271	450.970
60.0	295.339	316.727	321.885	328.609	340.829	356.018	373.183	392.163	408.725	424.362
62.5	247.478	272.002	282.064	293.363	309.551	327.574	346.809	365.102	382.684	398.351
65.0	200.814	232.430	248.154	262.954	280.987	300.570	320.705	338.926	356.413	371.270
67.5	171.532	200.304	217.448	233.542	254.145	275.881	295.230	313.300	330.964	345.296
70.0	144.825	171.330	189.062	206.705	230.942	252.377	270.566	290.415	307.788	323.216
72.5	121.748	146.983	165.318	184.101	208.723	230.173	249.990	269.095	285.792	302.552
75.0	98.888	124.124	146.375	167.388	189.186	210.902	230.610	249.787	266.760	283.015
77.5	82.300	106.709	129.761	151.018	170.316	193.185	213.418	232.232	249.480	265.335
80.0	66.186	90.475	113.942	136.141	156.603	178.490	197.798	216.081	233.620	250.302
82.5	55.780	78.296	101.442	123.386	144.076	164.710	183.570	202.436	220.761	236.995
85.0	45.022	66.893	90.199	111.712	132.512	153.400	173.259	191.079	209.014	224.827
87.5	36.312	57.720	80.314	102.050	122.897	143.478	163.192	180.658	198.266	213.814
90.0	27.669	48.745	70.715	92.414	113.537	133.853	153.015	170.394	187.772	203.455
95.0	17.066	35.381	55.531	76.237	96.585	115.788	134.441	151.757	167.903	182.192
100.0	8.928	24.274	43.259	61.885	81.390	99.866	117.770	133.484	149.297	163.124
105.0	2.839	15.064	31.226	49.104	66.674	84.427	100.916	115.908	130.276	142.849
110.0	1.794	7.171	20.722	36.712	53.019	69.846	85.441	99.902	112.954	124.914
115.0	1.992	2.907	10.873	24.892	39.993	54.782	69.836	83.611	95.586	106.621
120.0	2.246	2.408	3.843	13.286	26.816	40.607	54.189	66.747	78.010	88.390
125.0	2.496	2.584	2.740	4.670	13.343	25.641	38.126	48.729	59.192	68.474
130.0	2.751	2.829	2.933	3.058	4.191	11.367	21.570	31.970	41.470	49.837
135.0	3.099	3.125	3.162	3.245	3.344	4.337	8.398	15.132	23.754	31.616
140.0	3.437	3.411	3.422	3.453	3.520	3.583	3.666	5.252	8.876	14.248
145.0	3.838	3.770	3.702	3.708	3.723	3.749	3.796	3.858	3.952	4.794

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CANDELA TABULATION - (Cont.)

150.0	4.217	4.160	4.072	3.978	3.968	3.942	3.957	3.983	3.999	4.046
155.0	4.592	4.540	4.456	4.352	4.254	4.228	4.202	4.150	4.165	4.186
160.0	4.898	4.878	4.789	4.706	4.607	4.529	4.472	4.436	4.404	4.373
165.0	5.174	5.138	5.101	5.049	4.997	4.914	4.841	4.774	4.711	4.649
170.0	4.644	5.346	5.309	5.278	5.252	5.221	5.190	5.158	5.127	5.086
175.0	3.890	4.295	4.690	5.075	5.444	5.434	5.424	5.413	5.403	5.392
180.0	3.120	3.120	3.120	3.120	3.120	3.120	3.120	3.120	3.120	3.120

Vert. Horizontal Angles
Angles

	150	155	160	165	170	175	180
0.0	507.343	507.343	507.343	507.343	507.343	507.343	507.343
2.5	632.648	638.628	643.620	652.532	652.673	652.813	652.959
5.0	785.221	800.296	812.859	822.817	835.671	836.014	836.363
7.5	947.960	971.745	991.562	1007.266	1018.727	1028.061	1028.586
10.0	1085.594	1107.756	1126.330	1141.130	1152.018	1160.952	1161.727
12.5	1169.501	1181.960	1191.637	1198.969	1204.502	1209.130	1210.030
15.0	1199.271	1201.850	1204.767	1206.109	1207.112	1208.173	1209.317
17.5	1193.228	1188.954	1186.619	1185.465	1183.541	1182.433	1184.186
20.0	1163.692	1152.674	1141.795	1135.508	1129.736	1124.869	1127.329
22.5	1104.059	1089.639	1071.216	1058.970	1050.327	1041.409	1044.540
25.0	1026.563	1005.082	988.062	973.960	965.463	958.464	958.454
27.5	944.840	921.710	909.392	896.537	889.621	882.965	882.523
30.0	867.942	852.654	842.020	836.025	831.865	828.230	828.428
32.5	805.834	800.244	792.906	791.934	789.797	788.315	788.861
35.0	758.701	757.245	756.335	756.449	755.919	756.324	756.959
37.5	719.748	719.020	720.304	719.144	718.999	719.826	720.777
40.0	677.082	678.096	677.960	679.505	680.727	681.465	681.564
42.5	634.296	635.924	640.198	643.921	646.339	647.462	647.790
45.0	596.310	602.306	609.570	614.754	618.753	620.786	621.145
47.5	566.862	576.150	584.241	590.814	595.946	598.629	599.222
50.0	540.748	551.398	560.430	568.485	574.002	577.314	578.635
52.5	515.200	527.254	536.770	545.282	551.283	554.752	555.646
55.0	490.318	502.091	511.852	520.546	526.230	529.116	530.244
57.5	463.637	475.176	484.453	493.360	499.600	502.778	504.135
60.0	437.247	448.432	458.666	466.716	472.862	476.523	478.020
62.5	410.530	420.971	431.740	440.310	446.612	450.429	451.911
65.0	383.302	394.488	406.151	414.804	420.722	424.237	425.802
67.5	358.899	371.030	381.987	390.213	395.632	401.892	404.170
70.0	338.187	349.019	359.767	367.676	374.702	380.812	382.538
72.5	317.278	328.973	338.863	348.067	354.604	360.048	360.901
75.0	296.811	309.608	319.764	329.602	335.462	339.258	339.269
77.5	278.439	291.304	302.921	312.156	317.689	323.159	325.744
80.0	263.484	275.886	286.556	296.936	303.202	309.249	312.224
82.5	250.167	263.078	272.938	282.058	290.243	295.625	298.698
85.0	238.139	251.217	260.920	270.078	276.182	282.911	285.173
87.5	226.938	240.396	249.912	259.288	264.488	269.708	272.480
90.0	216.757	230.053	239.408	248.768	253.760	258.752	259.792
95.0	195.182	208.005	217.547	226.216	231.124	234.577	235.180
100.0	175.115	186.987	195.962	203.294	209.326	210.465	210.896
105.0	154.263	164.554	172.125	180.040	185.110	186.529	186.612
110.0	135.595	143.848	151.590	158.283	161.829	164.440	164.960
115.0	116.340	124.634	131.638	136.495	140.072	142.646	143.302
120.0	97.115	104.671	110.791	115.440	118.768	120.812	121.378
125.0	76.674	83.684	89.315	93.886	97.016	98.940	99.455
130.0	56.555	62.899	68.193	72.426	75.473	77.137	77.620

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CANDELA TABULATION - (Cont.)

135.0	38.631	44.403	48.963	52.572	55.198	56.696	57.304
140.0	19.703	24.970	29.489	33.015	35.625	37.180	37.606
145.0	6.724	8.954	11.284	14.061	15.746	16.572	16.754
150.0	4.087	4.160	4.368	4.467	4.415	4.384	4.368
155.0	4.196	4.212	4.238	4.243	4.243	4.259	4.280
160.0	4.337	4.332	4.337	4.342	4.347	4.352	4.368
165.0	4.628	4.618	4.607	4.581	4.560	4.545	4.545
170.0	5.044	5.002	4.966	4.940	4.919	4.904	4.904
175.0	5.382	5.372	5.361	5.356	5.346	5.346	5.346
180.0	3.120	3.120	3.120	3.120	3.120	3.120	3.120

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	230.74	N.A.	12.70
0-30	485.97	N.A.	26.70
0-40	758.32	N.A.	41.70
0-60	1224.28	N.A.	67.30
0-80	1514.61	N.A.	83.20
0-90	1610.81	N.A.	88.50
10-90	1556.44	N.A.	85.50
20-40	527.58	N.A.	29.00
20-50	780.53	N.A.	42.90
40-70	631.63	N.A.	34.70
60-80	290.33	N.A.	16.00
70-80	124.67	N.A.	6.90
80-90	96.20	N.A.	5.30
90-110	130.96	N.A.	7.20
90-120	169.01	N.A.	9.30
90-130	191.36	N.A.	10.50
90-150	205.49	N.A.	11.30
90-180	208.77	N.A.	11.50
110-180	77.81	N.A.	4.30
0-180	1819.59	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	54.38
10-20	176.36
20-30	255.23
30-40	272.35
40-50	252.95
50-60	213.01
60-70	165.66
70-80	124.67
80-90	96.20
90-100	75.21
100-110	55.75
110-120	38.05
120-130	22.35
130-140	10.52
140-150	3.62
150-160	1.77
160-170	1.13
170-180	0.38

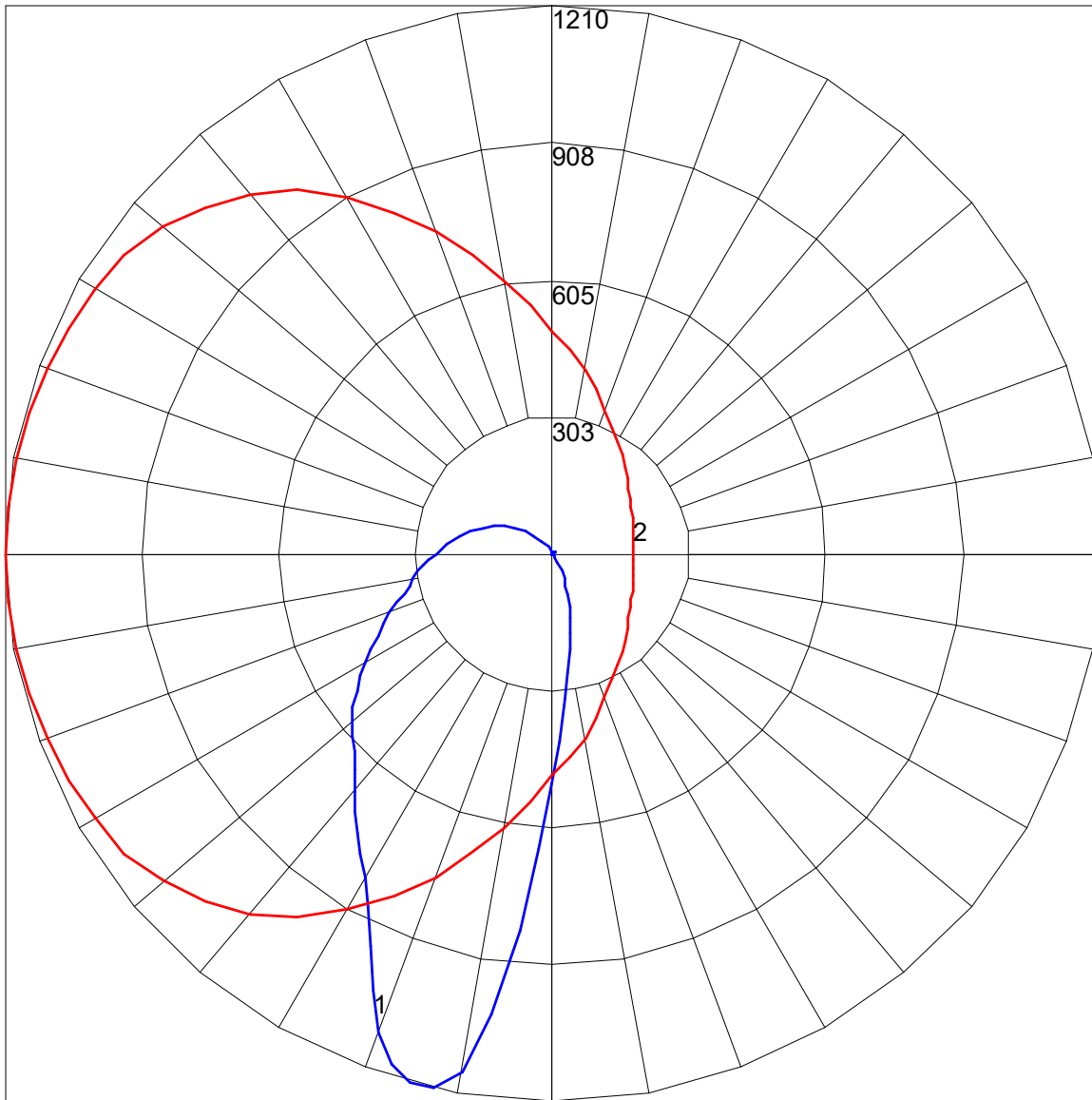
IES INDOOR REPORT
PHOTOMETRIC FILENAME : MW-LED35-LO-D1.IES

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	116	116	116	116	112	112	112	112	105	105	105	98	98	98	91	91	91	89
1	105	100	95	91	101	96	92	88	90	87	83	84	81	79	79	77	75	72
2	96	87	80	74	92	84	78	72	79	73	69	74	69	66	69	66	63	60
3	87	77	69	62	84	74	67	61	70	63	58	65	60	56	61	57	53	51
4	80	68	60	53	77	66	58	52	62	55	50	59	53	48	55	50	46	44
5	74	61	52	46	71	59	51	45	56	49	44	53	47	42	50	45	41	38
6	68	55	47	40	66	54	46	40	51	44	38	48	42	37	46	40	36	34
7	64	50	42	36	61	49	41	35	46	39	34	44	38	33	42	36	32	30
8	59	46	38	32	57	45	37	32	43	36	31	41	34	30	39	33	29	27
9	55	42	34	29	53	41	34	29	39	33	28	37	31	27	36	30	26	24
10	52	39	31	26	50	38	31	26	36	30	25	35	29	25	33	28	24	22

POLAR GRAPH



Maximum Candela = 1210.03 Located At Horizontal Angle = 180, Vertical Angle = 12.5
1 - Vertical Plane Through Horizontal Angles (180 - 0) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (12.5) (Through Max. Cd.)