



IES INDOOR REPORT

PHOTOMETRIC FILENAME : BIO2-LIN-LED35-LO-LO-SAL-D1-CW.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] 11476049.13
 [TESTLAB] UL Verification Services Inc.
 [ISSUE DATE] 10/12/2016
 [MANUFAC] Prudential Lighting Corp
 [LUMCAT] Bio2-LIN-LED35-LO-LO-SAL-D1-CW
 [LUMINAIRE] Rectangular formed grey aluminum up/down housing with sing
 [MORE] le down sided internal aluminum reflectors and a single down sided fro
 [MORE] sted plastic lens
 [LAMP] 120 white LEDs Up & 120 white LEDs Down with four (4) rectangul
 [MORE] ar optics
 [BALLAST] One (1) OSRAM Optotronic OT50W/PRG1400C/UNV/DIM/L
 [OTHER] 25.9 C, 120.083 V, 0.4703 A, 56.2789 W, 0.9964 PF, 59.99 Hz
 [OTHER] This test was performed using the calibrated photodetector met
 [MORE] hod of absolute photometry.

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	3615
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	100
Total Luminaire Watts	36
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)	0.23 ft
Luminous Width (90-270)	4.00 ft
Luminous Height	0.40 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	1942	2648	6411
55	1293	1830	5433
65	816	1178	4392
75	432	630	3137
85	130	188	1493

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CANDELA TABULATION

	0.0	22.5	45.0	67.5	90.0
0.0	789.360	789.360	789.360	789.360	789.360
0.5	795.960	786.720	787.380	788.700	784.080
1.0	795.960	788.040	787.380	786.720	782.760
1.5	795.960	786.720	786.720	788.040	782.760
2.0	795.960	786.720	786.720	787.380	782.100
2.5	793.980	786.060	784.740	786.060	781.440
3.0	792.660	784.740	784.080	786.060	782.760
3.5	791.340	783.420	784.080	784.080	781.440
4.0	791.340	782.760	782.760	782.760	780.780
4.5	789.360	780.780	781.440	782.100	780.780
5.0	786.720	779.460	780.120	783.420	781.440
5.5	786.720	776.820	778.800	782.760	778.800
6.0	783.420	774.180	776.820	781.440	778.140
6.5	780.780	773.520	776.160	779.460	774.180
7.0	778.800	770.220	774.840	776.160	771.540
7.5	775.500	768.900	772.860	775.500	770.880
8.0	773.520	766.260	771.540	772.200	767.580
8.5	770.880	762.300	768.240	770.220	768.240
9.0	767.580	759.000	764.940	767.580	766.260
9.5	764.280	755.700	762.300	765.600	764.280
10.0	759.660	753.060	758.340	763.620	762.960
10.5	755.700	749.760	753.720	760.980	759.000
11.0	753.060	745.800	751.740	759.000	757.020
11.5	747.120	741.180	748.440	755.700	753.720
12.0	743.160	737.880	745.140	753.060	753.060
12.5	738.540	733.260	740.520	749.760	749.760
13.0	731.940	729.300	737.220	746.460	749.100
13.5	727.980	726.660	733.920	745.140	747.120
14.0	723.360	720.720	730.620	742.500	744.480
14.5	719.400	718.080	724.680	739.860	739.860
15.0	712.800	712.800	721.380	737.220	735.900
15.5	708.840	708.180	718.080	731.940	732.600
16.0	700.920	702.900	712.800	728.640	727.980
16.5	697.620	698.280	708.180	723.360	725.340
17.0	691.680	692.340	704.220	720.060	722.040
17.5	685.740	687.720	700.260	715.440	719.400
18.0	679.140	681.120	694.980	712.140	714.780
18.5	675.180	675.180	691.020	707.520	710.820
19.0	668.580	669.900	687.720	703.560	706.860
19.5	661.980	663.960	683.760	700.260	702.240
20.0	655.578	657.756	678.480	695.640	700.260
20.5	649.044	651.486	673.200	691.020	696.960
21.0	642.246	645.216	667.260	687.060	693.660
21.5	635.580	639.078	660.660	683.100	691.680
22.0	630.036	632.676	654.456	679.140	687.060
22.5	622.842	626.208	648.582	675.180	680.460
23.0	616.044	619.938	642.972	672.540	675.180
23.5	608.850	613.668	637.296	667.920	671.220
24.0	601.458	606.870	631.422	661.980	666.600
24.5	594.066	600.072	625.548	655.248	661.980
25.0	586.872	593.274	619.410	649.176	658.152
25.5	579.216	586.542	613.074	643.830	653.664
26.0	571.758	579.810	606.804	638.682	647.658
26.5	564.762	572.814	600.534	633.534	642.246

IES INDOOR REPORT**PHOTOMETRIC FILENAME : BIO2-LIN-LED35-LO-LO-SAL-D1-CW.IES****CANDELA TABULATION - (Cont.)**

27.0	557.502	566.082	594.396	628.782	637.164
27.5	550.242	559.086	588.126	623.172	632.478
28.0	543.180	552.156	582.186	617.166	628.914
28.5	535.920	545.358	576.444	611.226	624.162
29.0	528.660	538.494	571.230	605.418	618.288
29.5	521.796	531.432	565.488	600.204	611.292
30.0	514.668	524.502	559.416	595.782	604.626
30.5	507.606	517.638	552.684	590.832	598.950
31.0	500.544	510.708	545.160	585.024	593.274
31.5	493.482	503.910	537.702	577.962	587.994
32.0	486.354	496.782	530.838	570.570	583.242
32.5	479.754	490.116	524.502	564.168	577.500
33.0	472.758	483.384	517.968	558.228	570.834
33.5	465.894	476.520	511.434	552.354	565.026
34.0	458.568	469.656	504.900	546.810	560.604
34.5	451.902	462.792	498.366	541.002	555.654
35.0	445.038	456.258	492.030	534.666	549.186
35.5	438.174	449.724	485.496	528.066	542.124
36.0	431.310	442.926	478.962	522.324	535.062
36.5	424.314	436.392	472.296	517.506	528.594
37.0	417.450	429.990	466.026	511.698	522.126
37.5	411.048	423.192	459.492	504.768	516.252
38.0	404.646	416.790	453.288	497.442	511.302
38.5	398.310	410.388	446.688	490.248	505.890
39.0	391.644	404.316	440.154	483.912	499.224
39.5	384.978	397.914	433.752	477.972	493.614
40.0	378.312	391.710	427.482	472.230	487.938
40.5	372.108	385.176	421.014	466.290	481.206
41.0	365.508	379.170	414.546	460.284	473.286
41.5	359.700	372.966	408.408	453.882	466.620
42.0	353.562	366.696	402.270	448.932	460.020
42.5	347.556	361.218	396.000	442.662	454.014
43.0	342.012	354.882	389.994	435.468	447.744
43.5	336.006	348.876	383.724	428.010	443.058
44.0	330.198	343.068	377.718	421.014	437.910
44.5	324.654	337.128	371.712	414.942	431.574
45.0	319.308	331.584	365.706	408.804	424.380
45.5	314.094	325.644	359.700	403.128	416.196
46.0	308.022	320.100	353.562	397.914	409.926
46.5	303.336	314.358	347.952	392.964	403.194
47.0	297.792	308.814	341.814	386.166	397.386
47.5	292.116	303.600	336.204	378.840	391.380
48.0	287.298	298.056	330.528	371.910	388.212
48.5	282.150	292.512	324.918	365.376	382.404
49.0	277.530	287.364	319.044	359.436	374.154
49.5	271.986	282.018	313.368	353.760	366.498
50.0	267.366	276.276	308.220	347.490	360.558
50.5	262.086	271.722	302.478	341.550	354.816
51.0	257.796	266.970	296.538	335.346	348.414
51.5	252.846	261.954	291.060	329.670	344.652
52.0	247.500	256.476	285.714	323.862	339.636
52.5	243.012	251.988	280.698	317.658	331.782
53.0	237.930	247.236	275.484	311.850	325.050
53.5	232.980	242.418	269.808	306.174	318.978
54.0	227.964	237.072	264.726	300.432	313.170
54.5	224.070	232.518	259.380	294.624	308.616

IES INDOOR REPORT
PHOTOMETRIC FILENAME : BIO2-LIN-LED35-LO-LO-SAL-D1-CW.IES

CANDELA TABULATION - (Cont.)

55.0	219.120	227.568	254.430	288.816	302.940
55.5	215.160	223.014	249.282	282.876	296.406
56.0	210.078	218.592	244.002	277.596	289.542
56.5	206.052	214.500	238.788	272.052	283.932
57.0	201.366	209.352	234.168	266.178	279.246
57.5	197.670	205.062	229.086	260.634	273.372
58.0	193.446	200.772	223.938	255.288	266.706
58.5	189.354	196.416	219.318	250.074	261.888
59.0	184.932	192.258	214.302	244.464	255.816
59.5	181.236	187.836	209.946	238.920	251.196
60.0	176.946	183.744	204.930	233.640	244.266
60.5	172.392	179.124	200.178	228.096	238.920
61.0	168.366	175.098	195.690	222.552	233.640
61.5	164.868	171.204	191.334	218.064	229.020
62.0	161.172	167.112	186.648	212.520	222.486
62.5	157.344	162.624	182.028	207.702	217.140
63.0	153.516	158.598	177.606	201.828	212.850
63.5	149.490	154.638	172.986	197.076	207.240
64.0	145.860	151.140	168.102	191.928	200.706
64.5	142.032	146.784	164.010	186.978	196.680
65.0	138.270	143.418	159.984	181.764	191.664
65.5	135.498	139.260	155.496	177.012	186.054
66.0	131.736	135.696	151.272	172.326	180.906
66.5	128.040	132.066	147.048	167.112	175.692
67.0	124.410	128.634	143.154	162.096	171.336
67.5	121.242	124.674	138.666	157.344	165.924
68.0	117.678	120.780	134.112	152.526	160.908
68.5	113.982	117.216	130.284	147.906	156.420
69.0	110.484	114.246	126.720	143.418	150.546
69.5	107.184	110.022	121.902	138.534	146.256
70.0	103.422	106.788	118.404	133.650	140.778
70.5	100.254	103.026	114.246	129.294	136.026
71.0	96.690	99.594	110.616	125.070	131.670
71.5	93.852	96.426	106.656	120.516	127.248
72.0	90.420	92.796	102.696	115.962	122.496
72.5	86.988	89.562	98.736	111.738	117.546
73.0	83.688	86.394	95.238	107.514	112.794
73.5	80.454	83.028	91.740	103.158	108.306
74.0	77.220	79.728	87.780	99.264	103.752
74.5	74.118	76.428	84.216	94.842	99.330
75.0	70.950	73.392	80.850	90.750	94.710
75.5	67.980	70.290	77.418	86.394	90.684
76.0	65.076	66.924	73.788	82.500	86.328
76.5	62.106	64.086	70.422	78.870	82.170
77.0	59.202	61.116	67.122	74.844	78.012
77.5	56.364	58.212	63.888	71.214	73.788
78.0	53.658	55.308	60.654	67.518	69.960
78.5	50.886	52.470	57.486	63.690	66.000
79.0	48.246	49.698	54.384	60.126	62.106
79.5	45.606	46.992	51.348	56.562	58.278
80.0	42.966	44.220	48.312	53.064	54.714
80.5	40.458	41.580	45.408	49.764	51.150
81.0	38.016	39.006	42.504	46.464	47.718
81.5	35.574	36.498	39.732	43.230	44.286
82.0	33.198	33.990	37.026	40.062	41.052
82.5	30.888	31.548	34.320	37.026	37.884

IES INDOOR REPORT**PHOTOMETRIC FILENAME : BIO2-LIN-LED35-LO-LO-SAL-D1-CW.IES****CANDELA TABULATION - (Cont.)**

83.0	28.644	29.106	31.680	34.056	34.782
83.5	26.334	26.796	29.172	31.218	31.812
84.0	24.156	24.552	26.730	28.512	29.040
84.5	22.044	22.308	24.288	25.872	26.268
85.0	19.998	20.196	21.978	23.166	23.628
85.5	17.952	18.084	19.734	20.658	21.120
86.0	15.972	16.038	17.490	18.282	18.612
86.5	14.058	14.058	15.378	16.038	16.236
87.0	12.210	12.144	13.332	13.794	13.992
87.5	10.428	10.428	11.484	11.814	11.814
88.0	8.712	8.910	9.900	10.164	10.098
88.5	7.062	7.656	8.910	8.976	9.108
89.0	5.610	7.392	10.230	8.250	8.184
89.5	4.884	8.580	14.850	7.920	7.458
90.0	5.148	12.144	21.912	7.854	6.798
90.5	4.026	15.444	27.060	7.656	5.280
91.0	7.326	22.242	38.544	8.844	5.346
91.5	13.134	31.284	52.140	10.230	5.808
92.0	20.262	42.504	68.112	11.946	6.402
92.5	28.248	56.496	86.196	14.256	7.326
93.0	36.762	73.062	104.544	17.028	8.646
93.5	45.804	92.136	122.100	19.998	9.966
94.0	55.968	113.784	138.138	22.902	11.484
94.5	67.320	137.874	152.592	25.608	13.068
95.0	80.520	164.736	164.868	28.182	14.784
95.5	95.568	195.558	174.834	30.690	16.500
96.0	113.520	230.538	183.018	33.462	18.348
96.5	133.980	269.808	189.486	36.300	20.262
97.0	157.740	313.302	194.304	39.072	22.176
97.5	185.262	360.888	196.878	41.778	24.156
98.0	218.262	411.774	197.736	44.550	26.202
98.5	257.994	466.026	197.274	47.388	28.248
99.0	305.052	519.948	196.086	50.490	30.426
99.5	359.898	573.672	194.370	53.658	32.604
100.0	421.872	624.888	192.192	56.760	34.848
100.5	489.522	668.580	189.552	60.192	37.092
101.0	560.208	704.880	186.912	63.426	39.336
101.5	632.412	730.620	184.404	66.594	41.712
102.0	701.580	745.800	182.490	69.696	44.022
102.5	761.640	751.740	181.170	73.260	46.398
103.0	806.520	747.780	180.378	76.626	48.774
103.5	834.900	737.220	180.180	79.728	51.084
104.0	846.780	722.040	180.708	82.830	53.592
104.5	848.760	702.900	181.896	85.800	55.968
105.0	842.820	685.080	183.282	88.770	58.344
105.5	832.920	667.920	184.998	91.806	60.852
106.0	820.380	652.278	187.044	94.908	63.294
106.5	807.840	637.296	189.222	97.878	65.802
107.0	795.960	623.040	191.928	100.914	68.310
107.5	782.760	611.094	195.030	103.884	70.752
108.0	770.880	600.534	198.594	106.986	73.194
108.5	759.000	591.096	201.696	110.088	75.702
109.0	748.440	582.912	205.194	113.190	78.276
109.5	737.220	575.652	208.692	116.292	80.784
110.0	727.980	569.382	212.322	119.460	83.358
110.5	718.080	564.102	216.678	122.562	85.866

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PHOTOMETRIC FILENAME : BIO2-LIN-LED35-LO-LO-SAL-D1-CW.IES

CANDELA TABULATION - (Cont.)

111.0	709.500	559.350	220.902	125.598	88.440
111.5	702.240	555.390	224.796	128.832	91.146
112.0	694.980	551.892	228.294	132.066	93.654
112.5	689.040	548.922	231.858	135.234	96.360
113.0	684.420	546.678	235.356	138.534	98.934
113.5	678.480	544.830	238.920	141.768	101.640
114.0	673.200	543.114	242.154	145.068	104.346
114.5	668.580	541.794	245.454	148.302	106.986
115.0	664.620	540.870	248.622	151.602	109.758
115.5	661.320	540.276	251.922	154.902	112.332
116.0	658.284	539.946	255.288	158.136	115.236
116.5	656.304	539.682	258.588	161.304	117.942
117.0	654.852	538.890	261.822	164.472	120.714
117.5	653.202	537.966	265.188	167.574	123.354
118.0	651.684	537.240	268.356	170.742	126.060
118.5	649.968	536.514	271.524	173.844	128.964
119.0	648.252	535.854	274.758	176.880	131.802
119.5	646.602	535.128	277.926	179.850	134.508
120.0	644.952	534.402	281.028	182.820	137.346
120.5	643.302	533.676	284.130	185.658	140.184
121.0	641.454	532.686	287.034	188.496	142.890
121.5	639.606	531.828	290.004	191.400	145.794
122.0	637.626	530.838	292.842	194.172	148.566
122.5	635.514	529.782	295.614	196.878	151.404
123.0	633.270	528.990	298.320	199.518	154.176
123.5	631.158	528.198	301.026	202.158	156.948
124.0	628.848	527.340	303.732	204.732	159.918
124.5	626.472	526.482	306.108	207.372	162.690
125.0	624.096	525.558	308.484	209.880	165.462
125.5	621.720	524.568	310.728	212.454	168.300
126.0	619.344	523.578	312.972	214.962	171.072
126.5	616.902	522.456	315.216	217.536	173.844
127.0	614.394	521.268	317.262	220.110	176.682
127.5	611.952	519.948	319.242	222.486	179.454
128.0	609.510	518.628	321.222	224.928	182.226
128.5	607.002	517.374	323.136	227.370	184.998
129.0	604.428	516.120	324.984	229.812	187.770
129.5	601.854	514.602	326.766	232.254	190.608
130.0	599.082	513.018	328.548	234.630	193.446
130.5	596.376	511.302	330.198	237.006	196.086
131.0	593.472	509.454	331.782	239.316	199.122
131.5	590.634	507.540	333.234	241.560	201.960
132.0	587.466	505.494	334.686	243.870	204.666
132.5	584.496	503.382	336.006	246.114	207.504
133.0	581.394	501.072	337.458	248.226	210.144
133.5	578.226	498.696	338.778	250.404	212.718
134.0	575.058	496.254	340.032	252.516	215.094
134.5	571.626	493.812	341.220	254.562	217.602
135.0	568.326	491.304	342.342	256.608	220.176
135.5	564.762	488.862	343.530	258.522	222.486
136.0	561.066	486.222	344.652	260.568	224.928
136.5	557.370	483.516	345.708	262.548	227.304
137.0	553.344	480.876	346.632	264.462	229.680
137.5	549.450	478.104	347.622	266.376	232.056
138.0	545.226	475.266	348.480	268.092	234.432
138.5	541.002	472.494	349.470	270.006	236.742

IES INDOOR REPORT
PHOTOMETRIC FILENAME : BIO2-LIN-LED35-LO-LO-SAL-D1-CW.IES

CANDELA TABULATION - (Cont.)

139.0	536.646	469.590	350.262	271.854	239.052
139.5	532.224	466.752	351.054	273.636	241.164
140.0	527.736	463.848	351.978	275.484	243.408
140.5	523.182	461.010	352.704	277.134	245.586
141.0	518.628	458.238	353.496	278.850	247.566
141.5	514.140	455.466	354.090	280.698	249.678
142.0	509.454	452.760	354.552	282.414	251.988
142.5	504.834	450.120	355.212	283.932	253.968
143.0	500.346	447.546	355.740	285.714	256.212
143.5	495.858	445.038	356.268	287.298	258.324
144.0	491.436	442.530	356.730	288.948	260.304
144.5	486.882	440.022	357.192	290.532	262.614
145.0	482.460	437.580	357.390	291.984	264.858
145.5	478.170	435.138	357.720	293.502	266.904
146.0	473.880	432.894	358.050	295.020	269.082
146.5	469.854	430.518	358.314	296.604	271.128
147.0	465.828	428.208	358.512	298.056	273.438
147.5	461.868	426.096	358.644	299.376	275.484
148.0	458.040	423.918	358.776	300.762	277.266
148.5	454.344	421.740	358.842	302.082	279.378
149.0	450.846	419.628	358.908	303.468	281.424
149.5	447.480	417.648	358.974	304.722	283.470
150.0	444.246	415.668	358.908	306.042	285.252
150.5	441.012	413.688	358.908	307.296	287.232
151.0	438.042	411.840	358.842	308.550	289.014
151.5	435.006	410.124	358.842	309.870	290.796
152.0	432.300	408.408	358.842	311.124	292.710
152.5	429.528	406.560	358.710	312.378	294.690
153.0	427.020	404.976	358.512	313.698	296.538
153.5	424.512	403.392	358.512	314.952	298.254
154.0	422.136	401.874	358.446	316.206	300.036
154.5	419.958	400.356	358.380	317.394	301.818
155.0	417.978	398.772	358.248	318.714	303.600
155.5	415.932	397.254	358.182	319.902	305.250
156.0	414.018	395.934	357.984	321.156	307.032
156.5	412.170	394.482	357.852	322.476	308.880
157.0	410.520	393.096	357.720	323.796	310.596
157.5	408.738	391.710	357.522	324.984	312.180
158.0	407.088	390.258	357.324	326.106	313.764
158.5	405.438	388.872	357.324	327.426	315.282
159.0	403.788	387.486	357.192	328.680	316.932
159.5	402.270	386.232	356.862	329.868	318.450
160.0	400.818	385.044	356.796	331.056	319.902
160.5	399.102	383.724	356.664	332.178	321.420
161.0	397.518	382.536	356.598	333.234	322.872
161.5	396.066	381.282	356.466	334.290	324.324
162.0	394.548	380.028	356.334	335.412	325.776
162.5	392.898	378.774	356.268	336.468	327.030
163.0	391.446	377.520	356.136	337.458	328.416
163.5	389.730	376.332	356.004	338.448	329.934
164.0	388.212	375.078	355.806	339.438	331.254
164.5	386.562	373.890	355.674	340.362	332.574
165.0	385.044	372.702	355.608	341.220	333.762
165.5	383.592	371.580	355.476	342.078	334.950
166.0	382.008	370.458	355.344	342.804	336.072
166.5	380.622	369.336	355.278	343.662	337.194

IES INDOOR REPORT
PHOTOMETRIC FILENAME : BIO2-LIN-LED35-LO-LO-SAL-D1-CW.IES

CANDELA TABULATION - (Cont.)

167.0	379.170	368.214	355.212	344.520	338.316
167.5	377.784	367.290	355.080	345.246	339.306
168.0	376.530	366.168	355.080	345.972	340.296
168.5	375.276	365.244	354.882	346.830	341.418
169.0	374.220	364.320	354.816	347.556	342.342
169.5	373.164	363.528	354.816	348.216	343.332
170.0	372.240	362.802	354.816	348.942	344.190
170.5	371.316	362.142	354.816	349.602	345.048
171.0	370.392	361.548	354.882	350.196	345.840
171.5	369.534	360.888	354.816	350.724	346.632
172.0	368.808	360.360	354.816	351.252	347.358
172.5	368.082	359.832	354.816	351.714	347.952
173.0	367.290	359.370	354.948	352.110	348.546
173.5	366.498	359.040	355.080	352.638	349.206
174.0	365.904	358.578	355.146	353.034	349.866
174.5	365.244	358.314	355.278	353.430	350.460
175.0	364.782	358.116	355.344	353.826	350.988
175.5	364.188	357.918	355.410	354.156	351.582
176.0	363.660	357.654	355.476	354.420	352.044
176.5	363.066	357.522	355.476	354.684	352.374
177.0	362.670	357.390	355.608	354.948	352.704
177.5	362.340	357.390	355.674	355.212	352.770
178.0	361.878	357.390	355.740	355.410	353.100
178.5	361.614	357.324	355.806	355.608	353.232
179.0	361.482	357.258	355.938	355.674	353.298
179.5	361.416	357.324	355.938	355.740	353.298
180.0	356.598	356.598	356.598	356.598	356.598

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	277.17	N.A.	7.70
0-30	562.59	N.A.	15.60
0-40	871.86	N.A.	24.10
0-60	1388.28	N.A.	38.40
0-80	1636.88	N.A.	45.30
0-90	1662.73	N.A.	46.00
10-90	1588.85	N.A.	44.00
20-40	594.69	N.A.	16.50
20-50	880.03	N.A.	24.30
40-70	677.71	N.A.	18.70
60-80	248.60	N.A.	6.90
70-80	87.31	N.A.	2.40
80-90	25.85	N.A.	0.70
90-110	480.78	N.A.	13.30
90-120	812.01	N.A.	22.50
90-130	1133.92	N.A.	31.40
90-150	1650.22	N.A.	45.70
90-180	1951.9	N.A.	54.00
110-180	1471.11	N.A.	40.70
0-180	3614.62	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	73.88
10-20	203.29
20-30	285.42
30-40	309.27
40-50	285.33
50-60	231.08
60-70	161.30
70-80	87.31
80-90	25.85
90-100	124.21
100-110	356.58
110-120	331.23
120-130	321.91
130-140	286.77
140-150	229.53
150-160	166.37
160-170	101.29
170-180	34.00

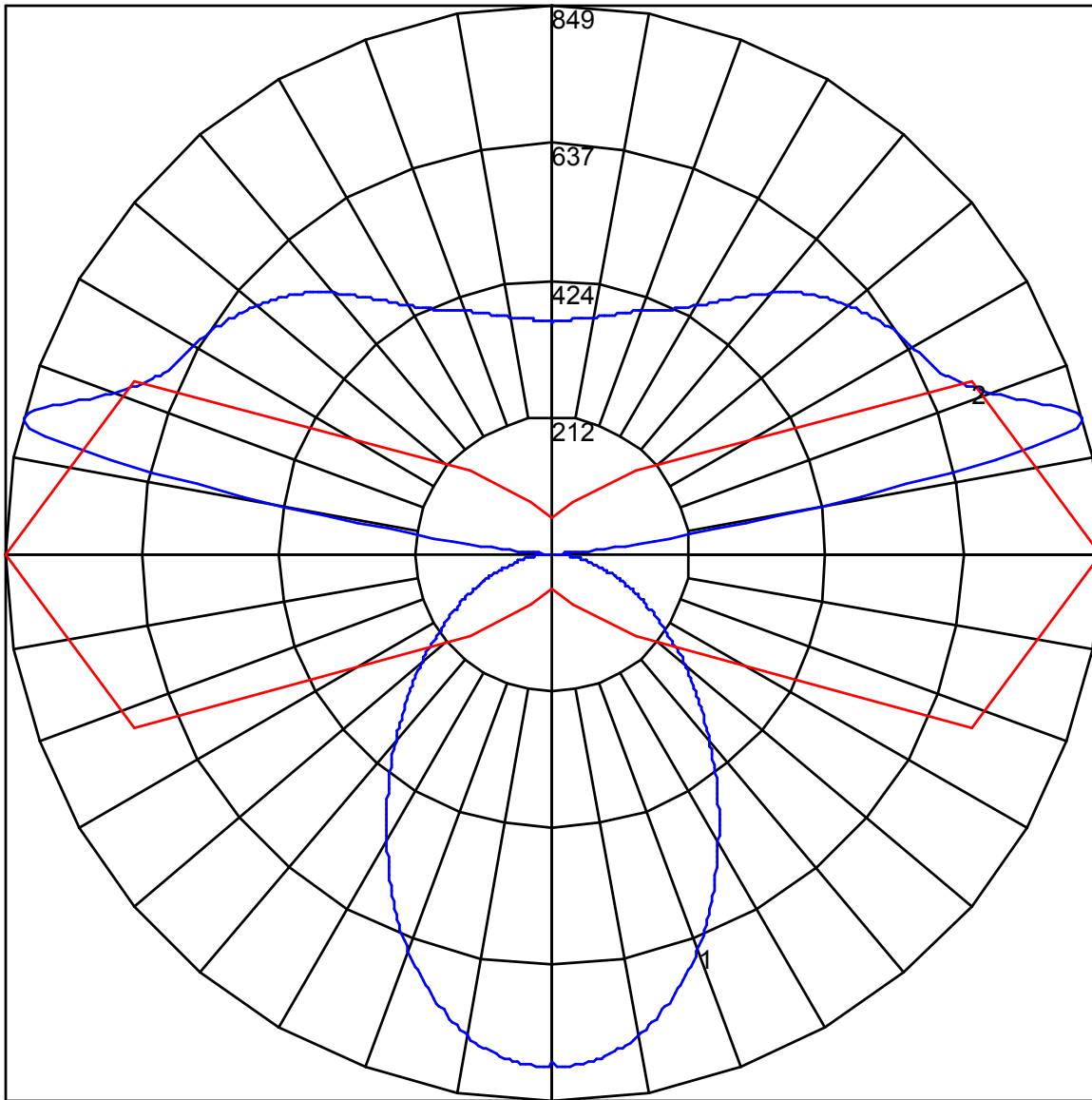
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	106	106	106	106	97	97	97	97	81	81	81	66	66	66	52	52	52	46
1	97	93	89	86	89	86	82	79	72	69	67	59	57	56	47	46	45	39
2	89	82	76	71	81	75	70	66	63	59	56	52	49	47	42	40	38	33
3	81	72	65	59	74	66	60	55	56	51	48	46	43	40	37	35	33	29
4	74	64	56	50	68	59	52	47	50	45	41	41	38	35	33	31	29	25
5	68	57	49	43	63	53	46	41	45	40	35	37	33	30	30	28	25	22
6	63	51	44	38	58	48	41	36	41	35	31	34	30	27	28	25	22	20
7	58	46	39	33	54	43	36	31	37	31	28	31	27	24	25	22	20	17
8	54	42	35	30	50	39	33	28	34	28	25	28	24	21	23	20	18	16
9	51	39	31	26	47	36	29	25	31	26	22	26	22	19	22	19	16	14
10	47	36	28	24	44	33	27	23	29	23	20	24	20	18	20	17	15	13

POLAR GRAPH



Maximum Candela = 848.76 Located At Horizontal Angle = 0, Vertical Angle = 104.5
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (104.5) (Through Max. Cd.)