



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : BIO2-LIN-LED35-MO-CW.IES

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002  
 [TEST] 11476049.09  
 [TESTLAB]  
 [ISSUE DATE]  
 [MANUFAC] Prudential Lighting Corp  
 [LUMCAT] Bio2-LIN-LED35-MO-CW  
 [LUMINAIRE] Rectangular formed grey aluminum housing  
 [LAMP] 120 White LEDs with four (4) rectangular optics  
 [BALLAST] One (1) OSRAM Optotronic .

### CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2707
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	113
Total Luminaire Watts	24
Ballast Factor	1.00
CIE Type	Indirect
Spacing Criterion (0-180)	N.A.
Spacing Criterion (90-270)	N.A.
Spacing Criterion (Diagonal)	N.A.
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	0.23 ft
Luminous Width (90-270)	4.00 ft
Luminous Height	0.00 ft

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

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	0	0	0
55	0	0	0
65	0	0	0
75	0	0	0
85	0	0	0

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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	0.00	0.00	0.00	0.00	0.00
0.5	0.00	0.00	0.00	0.00	0.00
1.0	0.00	0.00	0.00	0.00	0.00
1.5	0.00	0.00	0.00	0.00	0.00
2.0	0.00	0.00	0.00	0.00	0.00
2.5	0.00	0.00	0.00	0.00	0.00
3.0	0.00	0.00	0.00	0.00	0.00
3.5	0.00	0.00	0.00	0.00	0.00
4.0	0.00	0.00	0.00	0.00	0.00
4.5	0.00	0.00	0.00	0.00	0.00
5.0	0.00	0.00	0.00	0.00	0.00
5.5	0.00	0.00	0.00	0.00	0.00
6.0	0.00	0.00	0.00	0.00	0.00
6.5	0.00	0.00	0.00	0.00	0.00
7.0	0.00	0.00	0.00	0.00	0.00
7.5	0.00	0.00	0.00	0.00	0.00
8.0	0.00	0.00	0.00	0.00	0.00
8.5	0.00	0.00	0.00	0.00	0.00
9.0	0.00	0.00	0.00	0.00	0.00
9.5	0.00	0.00	0.00	0.00	0.00
10.0	0.00	0.00	0.00	0.00	0.00
10.5	0.00	0.00	0.00	0.00	0.00
11.0	0.00	0.00	0.00	0.00	0.00
11.5	0.00	0.00	0.00	0.00	0.00
12.0	0.00	0.00	0.00	0.00	0.00
12.5	0.00	0.00	0.00	0.00	0.00
13.0	0.00	0.00	0.00	0.00	0.00
13.5	0.00	0.00	0.00	0.00	0.00
14.0	0.00	0.00	0.00	0.00	0.00
14.5	0.00	0.00	0.00	0.00	0.00
15.0	0.00	0.00	0.00	0.00	0.00
15.5	0.00	0.00	0.00	0.00	0.00
16.0	0.00	0.00	0.00	0.00	0.00
16.5	0.00	0.00	0.00	0.00	0.00
17.0	0.00	0.00	0.00	0.00	0.00
17.5	0.00	0.00	0.00	0.00	0.00
18.0	0.00	0.00	0.00	0.00	0.00
18.5	0.00	0.00	0.00	0.00	0.00
19.0	0.00	0.00	0.00	0.00	0.00
19.5	0.00	0.00	0.00	0.00	0.00
20.0	0.00	0.00	0.00	0.00	0.00
20.5	0.00	0.00	0.00	0.00	0.00
21.0	0.00	0.00	0.00	0.00	0.00
21.5	0.00	0.00	0.00	0.00	0.00
22.0	0.00	0.00	0.00	0.00	0.00
22.5	0.00	0.00	0.00	0.00	0.00
23.0	0.00	0.00	0.00	0.00	0.00
23.5	0.00	0.00	0.00	0.00	0.00
24.0	0.00	0.00	0.00	0.00	0.00
24.5	0.00	0.00	0.00	0.00	0.00
25.0	0.00	0.00	0.00	0.00	0.00
25.5	0.00	0.00	0.00	0.00	0.00
26.0	0.00	0.00	0.00	0.00	0.00
26.5	0.00	0.00	0.00	0.00	0.00

IES INDOOR REPORT  
PHOTOMETRIC FILENAME : BIO2-LIN-LED35-MO-CW.IES

CANDELA TABULATION - (Cont.)

27.0	0.00	0.00	0.00	0.00	0.00
27.5	0.00	0.00	0.00	0.00	0.00
28.0	0.00	0.00	0.00	0.00	0.00
28.5	0.00	0.00	0.00	0.00	0.00
29.0	0.00	0.00	0.00	0.00	0.00
29.5	0.00	0.00	0.00	0.00	0.00
30.0	0.00	0.00	0.00	0.00	0.00
30.5	0.00	0.00	0.00	0.00	0.00
31.0	0.00	0.00	0.00	0.00	0.00
31.5	0.00	0.00	0.00	0.00	0.00
32.0	0.00	0.00	0.00	0.00	0.00
32.5	0.00	0.00	0.00	0.00	0.00
33.0	0.00	0.00	0.00	0.00	0.00
33.5	0.00	0.00	0.00	0.00	0.00
34.0	0.00	0.00	0.00	0.00	0.00
34.5	0.00	0.00	0.00	0.00	0.00
35.0	0.00	0.00	0.00	0.00	0.00
35.5	0.00	0.00	0.00	0.00	0.00
36.0	0.00	0.00	0.00	0.00	0.00
36.5	0.00	0.00	0.00	0.00	0.00
37.0	0.00	0.00	0.00	0.00	0.00
37.5	0.00	0.00	0.00	0.00	0.00
38.0	0.00	0.00	0.00	0.00	0.00
38.5	0.00	0.00	0.00	0.00	0.00
39.0	0.00	0.00	0.00	0.00	0.00
39.5	0.00	0.00	0.00	0.00	0.00
40.0	0.00	0.00	0.00	0.00	0.00
40.5	0.00	0.00	0.00	0.00	0.00
41.0	0.00	0.00	0.00	0.00	0.00
41.5	0.00	0.00	0.00	0.00	0.00
42.0	0.00	0.00	0.00	0.00	0.00
42.5	0.00	0.00	0.00	0.00	0.00
43.0	0.00	0.00	0.00	0.00	0.00
43.5	0.00	0.00	0.00	0.00	0.00
44.0	0.00	0.00	0.00	0.00	0.00
44.5	0.00	0.00	0.00	0.00	0.00
45.0	0.00	0.00	0.00	0.00	0.00
45.5	0.00	0.00	0.00	0.00	0.00
46.0	0.00	0.00	0.00	0.00	0.00
46.5	0.00	0.00	0.00	0.00	0.00
47.0	0.00	0.00	0.00	0.00	0.00
47.5	0.00	0.00	0.00	0.00	0.00
48.0	0.00	0.00	0.00	0.00	0.00
48.5	0.00	0.00	0.00	0.00	0.00
49.0	0.00	0.00	0.00	0.00	0.00
49.5	0.00	0.00	0.00	0.00	0.00
50.0	0.00	0.00	0.00	0.00	0.00
50.5	0.00	0.00	0.00	0.00	0.00
51.0	0.00	0.00	0.00	0.00	0.00
51.5	0.00	0.00	0.00	0.00	0.00
52.0	0.00	0.00	0.00	0.00	0.00
52.5	0.00	0.00	0.00	0.00	0.00
53.0	0.00	0.00	0.00	0.00	0.00
53.5	0.00	0.00	0.00	0.00	0.00
54.0	0.00	0.00	0.00	0.00	0.00
54.5	0.00	0.00	0.00	0.00	0.00

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CANDELA TABULATION - (Cont.)

55.0	0.00	0.00	0.00	0.00	0.00
55.5	0.00	0.00	0.00	0.00	0.00
56.0	0.00	0.00	0.00	0.00	0.00
56.5	0.00	0.00	0.00	0.00	0.00
57.0	0.00	0.00	0.00	0.00	0.00
57.5	0.00	0.00	0.00	0.00	0.00
58.0	0.00	0.00	0.00	0.00	0.00
58.5	0.00	0.00	0.00	0.00	0.00
59.0	0.00	0.00	0.00	0.00	0.00
59.5	0.00	0.00	0.00	0.00	0.00
60.0	0.00	0.00	0.00	0.00	0.00
60.5	0.00	0.00	0.00	0.00	0.00
61.0	0.00	0.00	0.00	0.00	0.00
61.5	0.00	0.00	0.00	0.00	0.00
62.0	0.00	0.00	0.00	0.00	0.00
62.5	0.00	0.00	0.00	0.00	0.00
63.0	0.00	0.00	0.00	0.00	0.00
63.5	0.00	0.00	0.00	0.00	0.00
64.0	0.00	0.00	0.00	0.00	0.00
64.5	0.00	0.00	0.00	0.00	0.00
65.0	0.00	0.00	0.00	0.00	0.00
65.5	0.00	0.00	0.00	0.00	0.00
66.0	0.00	0.00	0.00	0.00	0.00
66.5	0.00	0.00	0.00	0.00	0.00
67.0	0.00	0.00	0.00	0.00	0.00
67.5	0.00	0.00	0.00	0.00	0.00
68.0	0.00	0.00	0.00	0.00	0.00
68.5	0.00	0.00	0.00	0.00	0.00
69.0	0.00	0.00	0.00	0.00	0.00
69.5	0.00	0.00	0.00	0.00	0.00
70.0	0.00	0.00	0.00	0.00	0.00
70.5	0.00	0.00	0.00	0.00	0.00
71.0	0.00	0.00	0.00	0.00	0.00
71.5	0.00	0.00	0.00	0.00	0.00
72.0	0.00	0.00	0.00	0.00	0.00
72.5	0.00	0.00	0.00	0.00	0.00
73.0	0.00	0.00	0.00	0.00	0.00
73.5	0.00	0.00	0.00	0.00	0.00
74.0	0.00	0.00	0.00	0.00	0.00
74.5	0.00	0.00	0.00	0.00	0.00
75.0	0.00	0.00	0.00	0.00	0.00
75.5	0.00	0.00	0.00	0.00	0.00
76.0	0.00	0.00	0.00	0.00	0.00
76.5	0.00	0.00	0.00	0.00	0.00
77.0	0.00	0.00	0.00	0.00	0.00
77.5	0.00	0.00	0.00	0.00	0.00
78.0	0.00	0.00	0.00	0.00	0.00
78.5	0.00	0.00	0.00	0.00	0.00
79.0	0.00	0.00	0.00	0.00	0.00
79.5	0.00	0.00	0.00	0.00	0.00
80.0	0.00	0.00	0.00	0.00	0.00
80.5	0.00	0.00	0.00	0.00	0.00
81.0	0.00	0.00	0.00	0.00	0.00
81.5	0.00	0.00	0.00	0.00	0.00
82.0	0.00	0.00	0.00	0.00	0.00
82.5	0.00	0.00	0.00	0.00	0.00

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : BIO2-LIN-LED35-MO-CW.IES**

**CANDELA TABULATION - (Cont.)**

83.0	0.00	0.00	0.00	0.00	0.00
83.5	0.00	0.00	0.00	0.00	0.00
84.0	0.00	0.00	0.00	0.00	0.00
84.5	0.00	0.00	0.00	0.00	0.00
85.0	0.00	0.00	0.00	0.00	0.00
85.5	0.00	0.00	0.00	0.00	0.00
86.0	0.00	0.00	0.00	0.00	0.00
86.5	0.00	0.00	0.00	0.00	0.00
87.0	0.00	0.00	0.00	0.00	0.00
87.5	0.00	0.00	0.00	0.00	0.00
88.0	0.00	0.00	0.00	0.00	0.00
88.5	0.00	0.00	0.00	0.00	0.00
89.0	0.00	0.00	0.00	0.00	0.00
89.5	0.00	0.00	0.00	0.00	0.00
90.0	3.51	15.39	28.53	4.68	2.16
90.5	7.92	25.02	44.55	6.93	3.24
91.0	16.38	38.16	63.63	9.27	4.32
91.5	26.55	54.54	85.77	11.97	5.58
92.0	37.98	74.52	111.24	15.21	7.11
92.5	50.13	98.19	137.25	19.08	9.00
93.0	63.18	125.19	161.46	23.22	11.16
93.5	77.67	155.61	183.96	27.36	13.41
94.0	94.05	189.54	203.58	31.14	15.75
94.5	113.22	227.79	220.05	34.74	18.18
95.0	135.09	271.17	233.37	38.34	20.70
95.5	160.83	320.40	243.81	42.21	23.31
96.0	190.89	376.38	251.91	46.26	26.01
96.5	225.36	439.11	257.94	50.13	28.80
97.0	266.49	507.06	261.54	53.91	31.59
97.5	314.37	580.05	262.89	57.87	34.56
98.0	371.88	657.00	262.80	62.01	37.44
98.5	439.74	733.50	261.36	66.06	40.41
99.0	519.93	809.73	259.02	70.38	43.47
99.5	610.47	878.58	255.96	74.88	46.62
100.0	707.94	938.70	252.45	79.83	49.77
100.5	808.83	985.50	249.21	84.51	52.92
101.0	909.00	1017.00	246.51	88.83	56.07
101.5	1001.70	1033.20	244.35	93.33	59.31
102.0	1082.70	1037.70	242.91	98.28	62.55
102.5	1141.20	1028.70	242.55	102.78	65.79
103.0	1172.70	1010.70	243.00	107.28	69.12
103.5	1184.40	988.20	243.90	111.51	72.45
104.0	1182.60	962.10	245.52	115.83	75.78
104.5	1170.90	936.00	247.95	119.88	79.11
105.0	1154.70	914.40	250.47	124.02	82.53
105.5	1137.60	891.00	253.53	128.34	85.86
106.0	1118.70	869.94	256.77	132.48	89.28
106.5	1101.60	851.76	260.46	136.71	92.61
107.0	1085.40	835.92	264.69	140.94	96.21
107.5	1068.30	821.97	269.46	145.17	99.54
108.0	1053.00	809.01	274.14	149.40	103.05
108.5	1039.50	798.57	278.91	153.72	106.47
109.0	1023.30	789.12	284.04	158.13	109.98
109.5	1009.80	781.02	289.17	162.45	113.49
110.0	996.30	773.82	295.02	166.68	117.00
110.5	985.50	767.70	301.05	171.00	120.51

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : BIO2-LIN-LED35-MO-CW.IES**

**CANDELA TABULATION - (Cont.)**

111.0	973.80	762.21	306.36	175.32	124.11
111.5	963.90	757.35	311.40	179.82	127.71
112.0	955.80	753.03	316.35	184.32	131.22
112.5	947.70	749.16	321.30	188.82	134.91
113.0	941.40	746.19	326.07	193.32	138.69
113.5	936.00	743.94	330.66	197.82	142.29
114.0	929.70	742.23	335.25	202.32	145.89
114.5	924.30	741.15	339.66	207.00	149.67
115.0	918.90	740.43	344.16	211.50	153.54
115.5	915.30	740.25	348.66	216.09	157.23
116.0	913.50	739.89	353.25	220.41	160.92
116.5	910.80	739.35	357.66	224.73	164.70
117.0	909.00	738.81	362.25	229.05	168.48
117.5	907.20	737.91	366.48	233.37	172.26
118.0	904.50	737.10	370.80	237.60	176.22
118.5	902.70	736.11	375.30	241.92	180.00
119.0	900.00	735.21	379.71	246.06	183.78
119.5	898.02	734.22	383.94	250.20	187.74
120.0	895.86	733.14	388.08	254.34	191.52
120.5	893.25	731.97	392.31	258.12	195.48
121.0	890.46	730.89	396.36	261.99	199.26
121.5	887.76	729.81	400.32	265.77	203.13
122.0	884.79	728.82	404.19	269.55	207.09
122.5	881.82	727.47	407.97	273.24	210.87
123.0	878.58	726.39	411.66	276.93	214.83
123.5	875.52	725.04	415.17	280.53	218.70
124.0	872.28	723.60	418.59	284.13	222.57
124.5	868.77	722.16	422.01	287.64	226.35
125.0	865.44	720.81	425.25	291.15	230.31
125.5	862.11	719.37	428.40	294.66	234.27
126.0	858.78	717.84	431.64	298.17	238.14
126.5	855.36	716.31	434.52	301.50	241.92
127.0	851.76	714.87	437.40	305.01	245.88
127.5	848.43	713.25	440.19	308.25	249.66
128.0	844.92	711.54	442.80	311.67	253.62
128.5	841.23	709.65	445.41	314.91	257.31
129.0	837.54	707.40	447.75	318.15	261.09
129.5	833.85	705.15	450.27	321.39	265.14
130.0	829.89	702.72	452.52	324.63	268.92
130.5	825.84	700.11	454.68	327.69	272.79
131.0	821.70	697.32	456.93	330.66	276.66
131.5	817.47	694.62	458.82	333.72	280.62
132.0	813.06	691.74	460.80	336.78	284.31
132.5	808.56	688.77	462.69	339.66	288.09
133.0	804.15	685.62	464.58	342.36	291.60
133.5	799.38	682.20	466.29	345.33	295.02
134.0	794.70	678.69	467.91	348.03	298.53
134.5	789.57	675.09	469.62	350.73	301.59
135.0	784.53	671.31	471.06	353.52	304.92
135.5	779.31	667.62	472.50	356.31	308.34
136.0	774.00	663.93	473.94	358.74	311.58
136.5	768.42	660.33	475.38	361.26	315.18
137.0	762.66	656.46	476.73	363.96	318.24
137.5	756.63	652.59	477.99	366.66	321.57
138.0	750.78	648.63	479.16	369.09	324.90
138.5	744.48	644.85	480.33	371.52	328.05

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**CANDELA TABULATION - (Cont.)**

139.0	738.18	640.80	481.41	373.95	331.11
139.5	731.79	636.84	482.58	376.38	334.17
140.0	725.31	632.88	483.57	378.99	337.32
140.5	719.01	629.01	484.56	381.33	340.11
141.0	712.26	625.14	485.37	383.67	343.08
141.5	705.96	621.18	486.18	386.10	345.87
142.0	699.39	617.49	486.99	388.35	348.66
142.5	692.82	613.80	487.53	390.78	351.63
143.0	686.25	610.11	488.25	393.12	354.69
143.5	679.95	606.60	488.97	395.28	357.84
144.0	673.74	603.09	489.51	397.44	360.90
144.5	667.35	599.67	489.96	399.60	363.87
145.0	661.14	596.25	490.23	401.76	366.57
145.5	655.29	593.01	490.68	403.92	369.54
146.0	649.35	589.86	491.13	405.90	372.42
146.5	643.68	586.62	491.31	407.88	375.30
147.0	638.10	583.65	491.58	409.77	378.18
147.5	632.88	580.68	491.67	411.75	380.97
148.0	627.75	577.71	491.76	413.46	383.67
148.5	622.71	574.83	491.85	415.35	386.37
149.0	618.03	572.13	491.76	417.15	388.98
149.5	613.35	569.43	491.76	418.95	391.41
150.0	608.85	566.73	491.58	420.84	394.11
150.5	604.62	564.12	491.49	422.46	397.08
151.0	600.48	561.51	491.40	424.26	399.24
151.5	596.43	559.08	491.31	425.97	401.67
152.0	592.74	556.65	491.22	427.95	404.10
152.5	589.05	554.40	491.04	429.84	406.71
153.0	585.72	552.06	491.04	431.55	409.32
153.5	582.21	549.72	490.95	433.26	411.66
154.0	578.97	547.56	490.86	434.97	414.09
154.5	575.73	545.22	490.68	436.50	416.34
155.0	572.76	543.15	490.59	438.39	418.77
155.5	569.79	541.17	490.41	440.19	421.11
156.0	567.00	539.10	490.23	442.08	423.54
156.5	564.39	537.21	489.96	443.79	425.61
157.0	561.69	535.32	489.78	445.59	427.86
157.5	559.08	533.34	489.78	447.21	430.38
158.0	556.56	531.54	489.60	448.92	432.63
158.5	554.04	529.65	489.51	450.63	434.70
159.0	551.43	527.94	489.24	452.16	436.77
159.5	549.00	526.23	488.97	453.69	438.66
160.0	546.57	524.43	488.88	455.31	440.64
160.5	544.05	522.63	488.79	456.93	442.89
161.0	541.71	520.92	488.61	458.55	444.96
161.5	539.28	519.30	488.43	459.99	446.94
162.0	536.76	517.59	488.34	461.43	449.01
162.5	534.33	515.88	488.25	462.78	450.72
163.0	531.90	514.26	488.16	464.13	452.52
163.5	529.47	512.37	487.98	465.39	454.32
164.0	526.95	510.84	487.71	466.65	456.03
164.5	524.79	509.04	487.53	467.91	457.83
165.0	522.45	507.51	487.35	469.17	459.63
165.5	520.29	505.98	487.17	470.25	461.34
166.0	518.31	504.45	487.08	471.42	462.96
166.5	516.15	503.10	486.90	472.59	464.58

**IES INDOOR REPORT**  
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**CANDELA TABULATION - (Cont.)**

<b>167.0</b>	514.17	501.66	486.81	473.67	466.02
<b>167.5</b>	512.10	500.22	486.54	474.75	467.37
<b>168.0</b>	510.30	499.05	486.36	476.01	468.81
<b>168.5</b>	508.59	497.88	486.27	477.00	470.07
<b>169.0</b>	506.97	496.71	486.18	477.90	471.51
<b>169.5</b>	505.35	495.54	486.18	478.98	472.68
<b>170.0</b>	503.91	494.64	486.18	479.79	473.94
<b>170.5</b>	502.47	493.65	486.27	480.60	475.02
<b>171.0</b>	501.39	492.84	486.27	481.50	476.19
<b>171.5</b>	500.31	492.03	486.45	482.22	477.36
<b>172.0</b>	499.32	491.31	486.63	483.03	478.44
<b>172.5</b>	498.33	490.68	486.63	483.75	479.34
<b>173.0</b>	497.70	490.14	486.72	484.38	480.33
<b>173.5</b>	496.89	489.69	486.99	485.01	481.32
<b>174.0</b>	496.44	489.24	487.08	485.46	482.04
<b>174.5</b>	496.08	489.06	487.17	486.09	482.67
<b>175.0</b>	495.63	488.88	487.26	486.45	483.39
<b>175.5</b>	495.54	488.79	487.53	486.99	483.93
<b>176.0</b>	495.36	488.52	487.62	487.53	484.47
<b>176.5</b>	495.09	488.52	487.71	487.80	485.10
<b>177.0</b>	495.00	488.34	487.80	488.25	485.37
<b>177.5</b>	494.73	488.34	487.98	488.52	485.91
<b>178.0</b>	494.55	488.16	488.16	488.79	486.27
<b>178.5</b>	494.37	488.25	488.25	488.97	486.36
<b>179.0</b>	494.46	488.16	488.34	489.15	486.72
<b>179.5</b>	494.37	488.07	488.25	489.24	486.72
<b>180.0</b>	489.06	489.06	489.06	489.06	489.06



**IES INDOOR REPORT**  
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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	0.00	N.A.	0.00
0-30	0.00	N.A.	0.00
0-40	0.00	N.A.	0.00
0-60	0.00	N.A.	0.00
0-80	0.00	N.A.	0.00
0-90	0.35	N.A.	0.00
10-90	0.35	N.A.	0.00
20-40	0.00	N.A.	0.00
20-50	0.00	N.A.	0.00
40-70	0.00	N.A.	0.00
60-80	0.00	N.A.	0.00
70-80	0.00	N.A.	0.00
80-90	0.35	N.A.	0.00
90-110	683.96	N.A.	25.30
90-120	1140.55	N.A.	42.10
90-130	1584.8	N.A.	58.50
90-150	2293.81	N.A.	84.70
90-180	2706.93	N.A.	100.00
110-180	2022.97	N.A.	74.70
0-180	2707.29	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	0.00
10-20	0.00
20-30	0.00
30-40	0.00
40-50	0.00
50-60	0.00
60-70	0.00
70-80	0.00
80-90	0.35
90-100	190.18
100-110	493.79
110-120	456.59
120-130	444.24
130-140	394.32
140-150	314.69
150-160	227.93
160-170	138.63
170-180	46.56

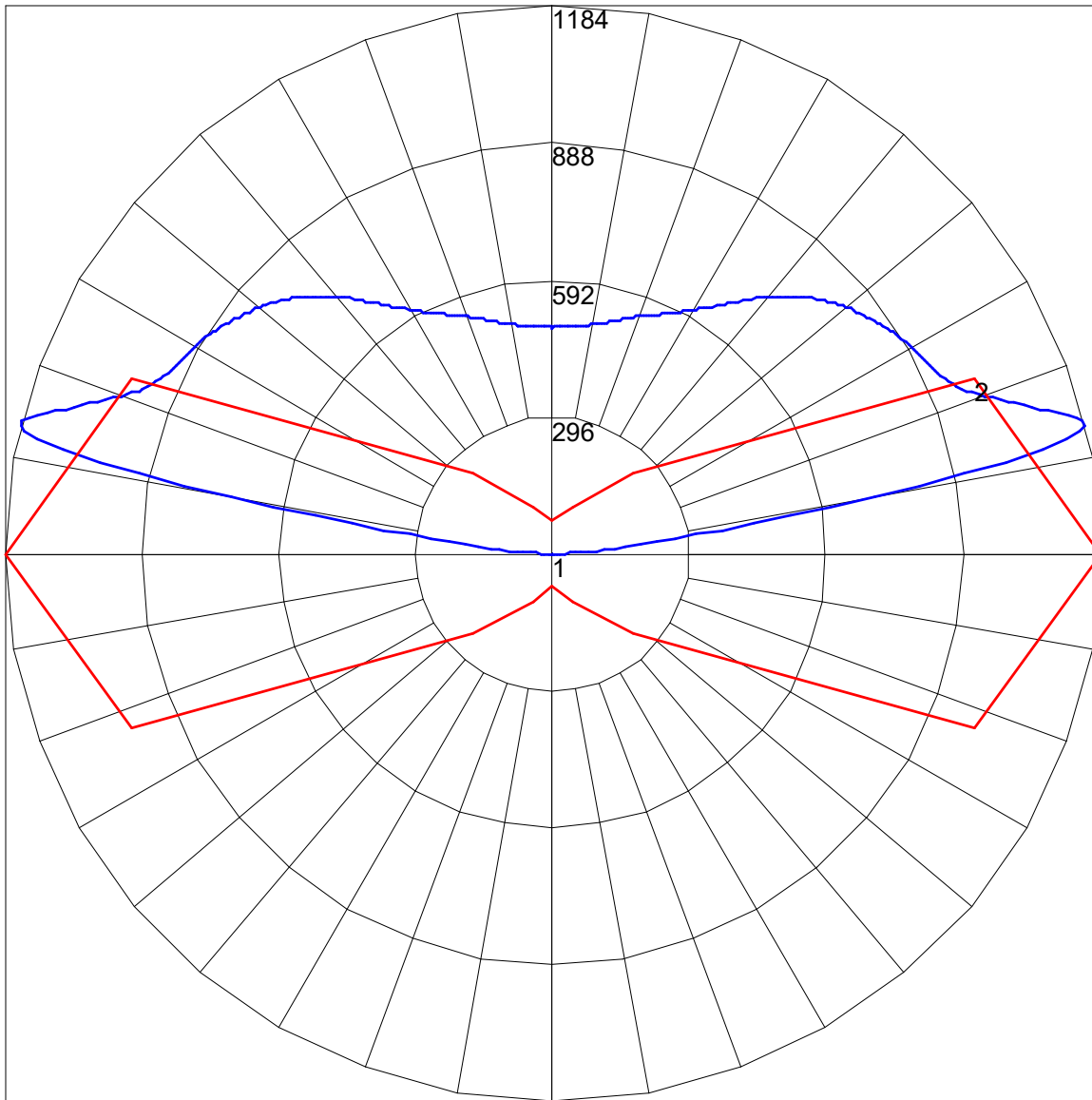
**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : BIO2-LIN-LED35-MO-CW.IES**

**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	95	95	95	95	81	81	81	81	56	56	56	32	32	32	10	10	10	0
1	87	83	79	76	74	71	68	65	48	47	45	28	27	26	9	9	8	0
2	79	72	66	62	67	62	57	53	42	40	37	24	23	22	8	7	7	0
3	72	63	56	51	61	54	49	44	37	34	31	21	20	18	7	6	6	0
4	65	56	48	43	56	48	42	37	33	29	26	19	17	16	6	6	5	0
5	60	49	42	36	51	42	36	32	29	25	22	17	15	13	5	5	4	0
6	55	44	36	31	47	38	32	27	26	22	19	15	13	11	5	4	4	0
7	50	39	32	27	43	34	28	23	23	19	17	14	11	10	4	4	3	0
8	47	35	28	23	40	30	24	20	21	17	14	12	10	9	4	3	3	0
9	43	32	25	20	37	28	22	18	19	15	13	11	9	8	4	3	3	0
10	40	29	22	18	34	25	19	16	17	14	11	10	8	7	3	3	2	0

POLAR GRAPH



Maximum Candela = 1184.4 Located At Horizontal Angle = 0, Vertical Angle = 103.5  
# 1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (103.5) (Through Max. Cd.)