



IES INDOOR REPORT

PHOTOMETRIC FILENAME : BIO2-LIN-LED35-MO-MWW-D1W.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] Bio2-LIN-LED35-MO-MWW-D1W
 [TESTLAB] Intertek
 [ISSUE DATE] September 6, 2016
 [MANUFAC] Prudential Lighting
 [_AGI32] File was generated from AGI32

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2634
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	94
Total Luminaire Watts	28
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.24
Spacing Criterion (90-270)	1.12
Spacing Criterion (Diagonal)	1.14
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	0.21 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	12345	14245	10926
55	10738	11588	8668
65	6561	9608	6310
75	3695	8021	3880
85	1623	4993	1018

IES INDOOR REPORT
PHOTOMETRIC FILENAME : BIO2-LIN-LED35-MO-MWW-D1W.IES

CANDELA TABULATION

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>	<u>112.5</u>	<u>135.0</u>	<u>157.5</u>	<u>180.0</u>	<u>202.5</u>
0.0	1280.315	1280.315	1280.315	1280.315	1280.315	1280.315	1280.315	1280.315	1280.315	1280.315
2.5	1446.336	1433.254	1381.499	1334.162	1293.924	1231.645	1174.760	1143.962	1129.733	1138.955
5.0	1641.481	1612.465	1511.529	1394.705	1282.857	1168.467	1071.685	1014.242	997.657	1015.591
7.5	1795.442	1763.450	1641.264	1451.885	1272.054	1107.227	980.793	917.321	898.178	912.376
10.0	1917.179	1876.104	1744.292	1509.204	1252.927	1045.227	903.386	835.326	811.332	832.613
12.5	1967.136	1969.011	1818.491	1558.633	1228.793	982.173	837.356	758.601	729.957	754.974
15.0	1835.959	1907.290	1890.039	1602.064	1200.320	927.551	768.769	690.912	658.610	685.549
17.5	1673.395	1750.756	1909.073	1632.925	1167.010	872.138	708.009	623.317	592.859	618.450
20.0	1522.735	1605.288	1827.357	1656.376	1130.585	824.476	650.814	560.774	531.650	555.582
22.5	1396.147	1467.493	1702.024	1661.336	1089.867	770.024	594.316	507.919	481.275	504.153
25.0	1289.290	1347.585	1590.114	1673.364	1043.956	721.571	541.136	460.055	440.215	458.087
27.5	1195.608	1246.432	1467.803	1677.255	994.495	672.266	493.737	424.963	411.494	422.282
30.0	1081.605	1155.540	1352.313	1662.933	947.623	623.580	448.601	396.784	395.110	393.917
32.5	990.822	1044.777	1243.394	1636.505	888.894	577.824	411.540	376.464	386.802	375.379
35.0	925.923	955.962	1144.442	1587.432	830.133	532.936	380.184	364.188	377.115	361.506
37.5	859.320	890.475	1066.183	1516.845	772.551	490.482	350.315	354.159	364.079	350.889
40.0	780.781	821.562	971.183	1421.396	710.551	448.213	325.050	339.992	346.487	337.760
42.5	726.175	740.915	865.256	1325.482	655.386	408.099	302.544	319.842	337.063	318.974
45.0	675.335	686.030	779.293	1234.962	597.726	370.698	281.356	305.427	337.342	302.792
47.5	627.843	635.438	707.916	1132.290	540.190	336.923	262.136	299.677	340.287	295.631
50.0	571.500	581.994	638.135	1031.711	486.312	304.234	244.884	300.142	336.939	298.096
52.5	527.635	533.138	571.981	929.736	432.465	272.118	226.439	295.135	315.797	294.252
55.0	476.501	482.856	514.212	834.163	384.632	245.861	209.978	281.108	278.209	279.697
57.5	417.585	443.052	455.529	739.458	334.102	219.433	197.129	262.787	233.042	263.500
60.0	350.052	396.164	408.952	641.080	290.299	194.478	181.055	235.491	190.665	235.352
62.5	274.815	341.062	361.739	549.785	248.294	169.911	162.037	204.274	157.619	202.957
65.0	214.520	283.309	314.169	466.875	206.305	147.699	144.801	173.026	128.867	167.834
67.5	165.369	224.068	271.544	389.654	170.996	124.604	127.844	140.383	106.004	138.089
70.0	127.689	173.569	233.228	319.904	134.183	102.858	111.135	115.242	86.970	112.158
72.5	99.370	129.843	197.020	256.029	104.718	84.614	93.945	91.760	69.703	91.589
75.0	73.997	98.084	160.611	197.036	77.686	66.681	75.314	71.935	54.761	69.533
77.5	55.924	69.285	125.937	145.808	54.436	47.445	58.528	53.428	42.330	51.305
80.0	38.719	47.972	91.403	99.138	37.541	33.216	42.888	38.161	27.528	35.805
82.5	23.405	28.706	62.062	61.581	18.832	19.592	25.621	22.335	18.057	22.568
85.0	10.943	14.647	33.666	28.520	6.866	7.827	13.221	10.168	9.470	11.082
87.5	2.573	5.270	13.252	7.455	0.000	0.000	3.611	2.278	2.232	3.503
90.0	0.000	0.000	0.418	0.000	0.000	0.000	0.093	0.000	0.000	0.000
92.5	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	0.000
97.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
100.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
102.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
105.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
107.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
110.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
112.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
115.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
117.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
120.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
122.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
125.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
127.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
130.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
132.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

IES INDOOR REPORT
PHOTOMETRIC FILENAME : BIO2-LIN-LED35-MO-MWW-D1W.IES

CANDELA TABULATION - (Cont.)

135.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
137.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
140.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
142.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
145.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
147.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
150.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
152.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
155.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
157.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
160.0	0.000	0.000	0.000	0.000	0.015	0.000	0.000	0.000	0.372	0.000
162.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
165.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
167.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
170.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
172.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.248	0.000
175.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
177.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
180.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Vert. Angles **Horizontal Angles**

	<u>225.0</u>	<u>247.5</u>	<u>270.0</u>	<u>292.5</u>	<u>315.0</u>	<u>337.5</u>	<u>360.0</u>
0.0	1280.315	1280.315	1280.315	1280.315	1280.315	1280.315	1280.315
2.5	1156.548	1212.611	1288.530	1352.809	1400.952	1434.447	1446.336
5.0	1053.907	1150.549	1282.191	1409.539	1527.804	1613.829	1641.481
7.5	967.680	1085.992	1269.620	1465.959	1653.524	1759.823	1795.442
10.0	891.017	1027.030	1252.074	1518.085	1749.438	1870.152	1917.179
12.5	825.235	964.038	1223.353	1561.935	1817.700	1957.464	1967.136
15.0	761.515	910.330	1197.685	1592.563	1889.310	1886.009	1835.959
17.5	697.360	856.003	1163.461	1618.138	1882.955	1733.349	1673.395
20.0	639.762	806.062	1129.206	1629.406	1794.760	1593.105	1522.735
22.5	583.900	760.228	1082.473	1645.588	1675.519	1458.333	1396.147
25.0	531.975	702.010	1036.934	1643.418	1555.921	1340.331	1289.290
27.5	488.296	654.813	987.024	1636.784	1446.150	1239.829	1195.608
30.0	443.563	607.290	929.147	1611.349	1324.103	1141.993	1081.605
32.5	404.627	564.246	871.332	1569.886	1215.401	1035.090	990.822
35.0	375.332	517.886	815.269	1516.721	1119.751	942.880	925.923
37.5	344.038	474.579	759.686	1442.771	1036.640	878.214	859.320
40.0	319.176	432.496	701.623	1361.318	944.384	808.991	780.781
42.5	296.794	392.289	648.628	1269.760	843.029	733.584	726.175
45.0	275.419	357.600	589.945	1185.223	760.352	674.854	675.335
47.5	257.362	324.043	528.705	1084.457	686.216	624.076	627.843
50.0	241.164	290.919	473.664	993.658	614.807	574.600	571.500
52.5	223.246	261.206	426.141	888.072	551.691	523.404	527.635
55.0	205.142	236.018	372.465	797.707	494.341	475.168	476.501
57.5	190.929	208.289	328.538	698.833	441.362	431.938	417.585
60.0	176.405	185.023	283.758	606.127	392.088	385.454	350.052
62.5	160.192	160.487	241.149	521.900	346.657	334.071	274.815
65.0	141.298	141.267	203.189	441.409	301.599	275.249	214.520
67.5	123.116	119.551	166.330	365.381	260.632	219.092	165.369
70.0	107.694	99.727	134.400	297.569	221.898	173.073	127.689
72.5	89.621	80.848	103.090	237.398	186.248	130.215	99.370
75.0	75.826	60.651	77.608	182.481	150.908	95.790	73.997
77.5	58.404	47.182	55.924	132.850	115.552	69.688	55.924
80.0	42.702	32.364	36.688	89.481	83.762	47.740	38.719

IES INDOOR REPORT
PHOTOMETRIC FILENAME : BIO2-LIN-LED35-MO-MWW-D1W.IES

CANDELA TABULATION - (Cont.)

82.5	26.257	18.693	21.064	53.909	53.134	28.938	23.405
85.0	13.206	7.657	6.975	23.885	28.396	14.213	10.943
87.5	2.495	0.000	0.139	3.797	9.889	3.162	2.573
90.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
92.5	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
97.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
100.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
102.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
105.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
107.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
110.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
112.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
115.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
117.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
120.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
122.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
125.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
127.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
130.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
132.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
135.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
137.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
140.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
142.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
145.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
147.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
150.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
152.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
155.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
157.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
160.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
162.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
165.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
167.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
170.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
172.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
175.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
177.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
180.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000

IES INDOOR REPORT
PHOTOMETRIC FILENAME : BIO2-LIN-LED35-MO-MWW-D1W.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	478.97	N.A.	18.20
0-30	950.84	N.A.	36.10
0-40	1449.69	N.A.	55.00
0-60	2271.97	N.A.	86.30
0-80	2613.1	N.A.	99.20
0-90	2633.79	N.A.	100.00
10-90	2509.39	N.A.	95.30
20-40	970.72	N.A.	36.90
20-50	1426.21	N.A.	54.20
40-70	1056.26	N.A.	40.10
60-80	341.12	N.A.	13.00
70-80	107.14	N.A.	4.10
80-90	20.69	N.A.	0.80
90-110	0.00	N.A.	0.00
90-120	0.00	N.A.	0.00
90-130	0.00	N.A.	0.00
90-150	0.00	N.A.	0.00
90-180	0.01	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	2633.79	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	124.40
10-20	354.57
20-30	471.87
30-40	498.84
40-50	455.49
50-60	366.79
60-70	233.98
70-80	107.14
80-90	20.69
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

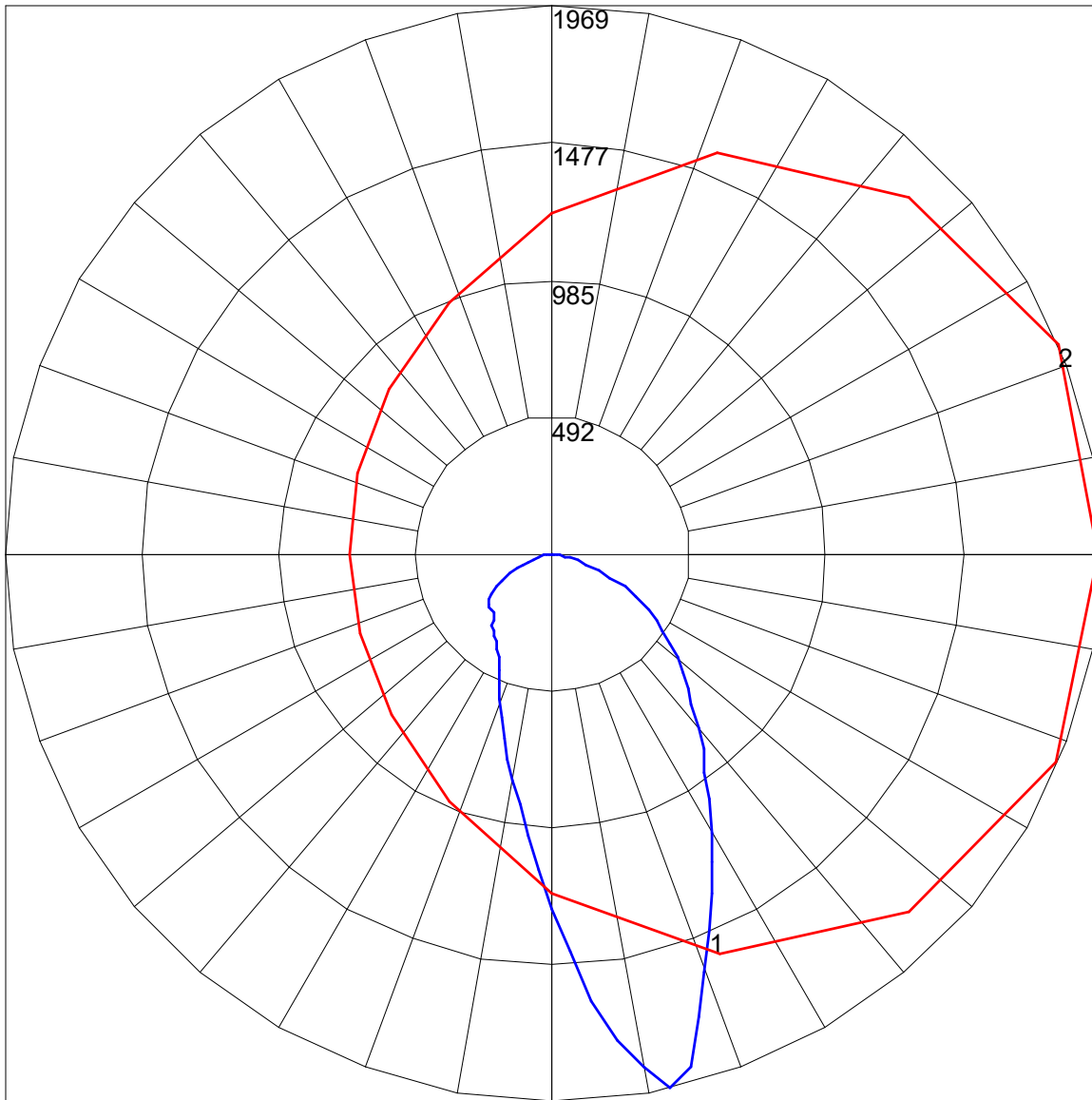
IES INDOOR REPORT
PHOTOMETRIC FILENAME : BIO2-LIN-LED35-MO-MWW-D1W.IES

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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	110	106	102	99	108	104	100	97	100	97	94	96	94	92	92	90	89	87
2	101	94	88	83	99	92	87	82	89	84	80	86	82	78	83	79	77	75
3	93	84	77	71	91	82	76	70	79	74	69	77	72	68	74	70	67	65
4	86	75	67	61	84	74	67	61	72	65	60	69	64	59	67	62	58	56
5	80	68	60	54	78	67	59	53	65	58	53	63	57	52	61	56	52	50
6	74	62	54	48	72	61	53	47	59	52	47	58	51	47	56	51	46	44
7	69	57	48	43	67	56	48	42	54	47	42	53	47	42	52	46	42	40
8	65	52	44	39	63	51	44	38	50	43	38	49	43	38	48	42	38	36
9	61	48	40	35	59	47	40	35	46	40	35	45	39	35	44	39	34	33
10	57	45	37	32	56	44	37	32	43	36	32	42	36	32	41	36	32	30

POLAR GRAPH



Maximum Candela = 1969.011 Located At Horizontal Angle = 22.5, Vertical Angle = 12.5
1 - Vertical Plane Through Horizontal Angles (22.5 - 202.5) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (12.5) (Through Max. Cd.)