



IES INDOOR REPORT

PHOTOMETRIC FILENAME : BIO-LIN-LED35-MO-04-ABW-TMW-D1X.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] L041412303R01
 [TESTLAB]
 [ISSUE DATE]
 [MANUFAC] PRUDENTIAL LIGHTING
 [LUMCAT] BIO-LIN-LED4-MO-04-ABW--D1X-SC-UNV-X1
 [LUMINAIRE] 48-1/8"L X 5-1/2"W X 5-5/8"H. LED LUMINAIRE.
 [MORE] DIFFUSED LENS.
 [BALLASTCAT] OSRAM OPTOTRONIC
 [BALLAST] INPUT: 120-277VAC,
 [LAMPPOSITION] 0,0
 [LAMPCAT] N/A
 [OTHER] INDICATING THE CANDELA VALUES ARE ABSOLUTE AND
 [MORE]

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2445
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	102
Total Luminaire Watts	24
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.18
Spacing Criterion (90-270)	1.44
Spacing Criterion (Diagonal)	1.48
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	3.83 ft
Luminous Width (90-270)	0.33 ft
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	5839	7845	7251
55	5250	6996	5399
65	4651	5884	4117
75	3890	4302	2999
85	3032	2605	2109

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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	851.441	851.441	851.441	851.441	851.441	851.441	851.441	851.441	851.441	851.441
5	843.317	843.701	844.523	845.920	847.838	851.140	854.592	857.908	860.757	863.717
10	827.028	827.960	830.795	835.563	841.454	849.496	858.360	867.251	875.704	884.143
15	800.984	802.793	808.752	817.479	828.973	843.084	857.976	872.717	886.733	899.789
20	765.378	768.488	777.475	791.339	808.793	828.425	848.907	867.827	885.116	900.323
25	721.524	725.799	738.005	756.665	779.119	803.368	827.329	848.688	866.539	881.047
30	670.053	675.465	690.740	713.359	739.704	766.912	792.627	813.986	830.700	843.290
35	612.568	618.856	636.132	661.669	690.384	719.140	744.527	764.898	779.790	790.696
40	550.041	556.768	575.345	601.896	631.378	660.052	684.795	703.632	717.264	727.210
45	485.227	492.433	511.339	536.013	564.604	591.703	614.883	632.282	644.654	651.956
50	418.919	426.371	446.278	471.321	491.625	516.572	537.752	552.973	561.933	565.043
55	353.912	360.200	374.750	395.916	417.535	436.934	455.717	472.431	473.458	471.636
60	296.797	300.181	312.333	329.745	350.309	366.790	383.079	394.642	392.806	386.710
65	231.009	237.037	243.271	256.971	273.425	287.782	298.413	302.797	301.290	292.276
70	174.250	176.278	180.703	189.211	200.705	208.541	214.939	218.227	215.104	206.075
75	118.327	119.190	121.560	127.424	129.205	135.794	140.384	141.151	137.712	130.876
80	70.432	69.281	70.733	68.870	72.021	74.775	76.172	75.665	73.158	69.336
85	31.058	29.743	28.249	28.332	28.702	28.948	28.880	28.455	27.674	26.688
90	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>50</u>	<u>55</u>	<u>60</u>	<u>65</u>	<u>70</u>	<u>75</u>	<u>80</u>	<u>85</u>	<u>90</u>
0	851.441	851.441	851.441	851.441	851.441	851.441	851.441	851.441	851.441
5	866.498	869.101	871.704	873.457	874.841	876.115	877.197	878.211	879.540
10	891.884	898.898	905.337	910.529	915.009	918.106	920.421	923.133	924.832
15	911.187	920.969	929.655	936.368	942.313	946.136	948.615	951.465	951.890
20	912.749	922.558	930.559	936.875	941.519	944.122	945.917	947.958	947.698
25	891.966	899.802	906.173	910.571	913.420	914.900	915.640	916.667	917.462
30	852.017	858.428	863.566	866.991	869.101	870.128	870.375	871.731	872.265
35	798.559	804.176	808.643	810.602	810.903	810.314	809.711	809.985	810.163
40	733.525	736.923	737.677	734.882	730.799	725.949	722.428	720.387	719.565
45	654.381	652.134	645.955	636.091	625.446	615.801	608.664	604.430	602.595
50	561.179	551.959	537.848	522.271	507.284	494.091	483.966	478.349	477.020
55	461.389	445.798	427.700	409.438	393.341	380.764	370.421	364.598	363.954
60	372.709	356.364	336.349	319.539	305.168	292.564	285.070	281.001	280.562
65	277.850	261.766	246.162	232.393	222.228	213.638	208.514	204.856	204.500
70	194.088	181.703	170.236	161.098	153.700	148.631	145.083	142.809	142.288
75	122.588	114.792	107.805	102.202	98.051	95.119	92.913	91.694	91.228
80	65.102	61.445	58.239	55.704	53.786	52.307	51.279	50.704	50.471
85	25.646	24.701	23.879	23.167	22.591	22.098	21.797	21.619	21.605
90	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	333.21	N.A.	13.60
0-30	724.64	N.A.	29.60
0-40	1195.07	N.A.	48.90
0-60	2032.16	N.A.	83.10
0-80	2412.84	N.A.	98.70
0-90	2444.51	N.A.	100.00
10-90	2361.72	N.A.	96.60
20-40	861.87	N.A.	35.30
20-50	1324.44	N.A.	54.20
40-70	1091.02	N.A.	44.60
60-80	380.69	N.A.	15.60
70-80	126.75	N.A.	5.20
80-90	31.67	N.A.	1.30
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	0.00	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	2444.51	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	82.79
10-20	250.42
20-30	391.43
30-40	470.43
40-50	462.57
50-60	374.51
60-70	253.94
70-80	126.75
80-90	31.67
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

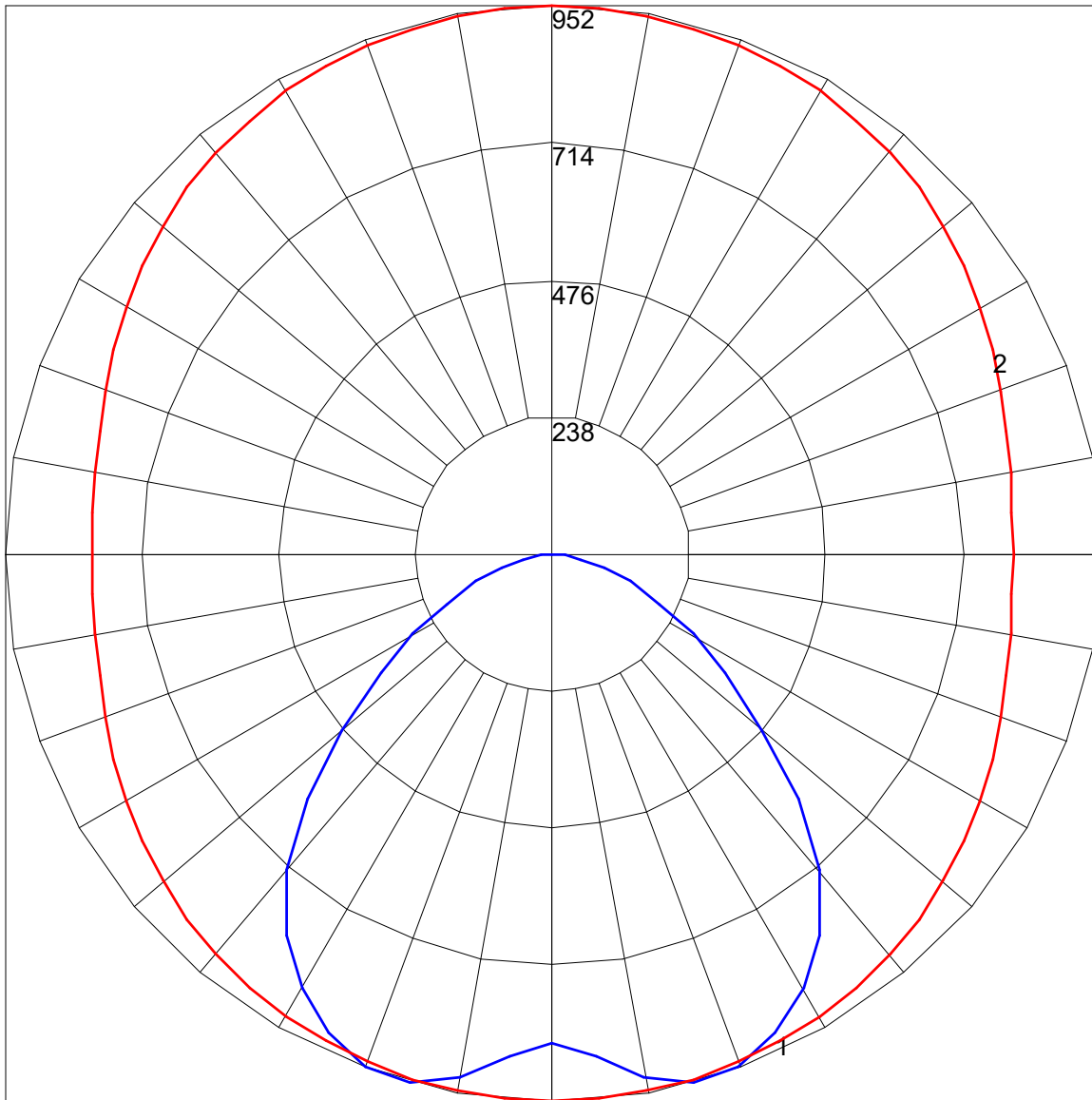
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	109	105	101	97	107	103	99	96	98	95	93	95	92	90	91	89	87	85
2	100	92	86	80	97	90	84	79	87	82	77	84	79	76	81	77	74	72
3	92	81	74	67	89	80	73	67	77	71	66	74	69	64	72	67	63	61
4	84	72	64	57	82	71	63	57	69	62	56	66	60	56	64	59	55	53
5	77	65	56	50	75	64	56	49	62	54	49	60	53	48	58	52	48	46
6	72	59	50	44	70	58	49	43	56	48	43	54	48	43	53	47	42	40
7	66	53	45	39	65	52	44	38	51	43	38	49	43	38	48	42	38	36
8	62	49	40	34	60	48	40	34	47	39	34	45	39	34	44	38	34	32
9	58	45	36	31	56	44	36	31	43	36	31	42	35	31	41	35	30	29
10	54	41	33	28	53	41	33	28	40	33	28	39	32	28	38	32	28	26

POLAR GRAPH



Maximum Candela = 951.89 Located At Horizontal Angle = 90, Vertical Angle = 15
1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (15) (Through Max. Cd.)