



IES INDOOR REPORT

PHOTOMETRIC FILENAME : BIO-LIN-LED4-LO-SAL-D2.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] L021507503R02
 [TESTLAB] LIGHT LABORATORY, INC.
 [ISSUE DATE] 6/16/2015
 [MANUFACT] PRUDENTIAL LTG.
 [LUMCAT] BIO-LIN-LED4-LO-SAL-D2
 [LUMINAIRE] 4-1/2"L. X 48"W. X 5"H. LED LUMINAIRE
 [MORE] DIFFUSED LENS
 [BALLASTCAT] OSRAM OPTOTRONIC OT30W/PRG1050C/UNV/DIM/L
 [BALLAST] INPUT: 120-277VAC, 0.31-0.15A, 50/60Hz. OUTPUT: 30W, 10-55VDC, 350-1050mA
 [LAMPPOSITION] 0,0
 [LAMPCAT] N/A
 [OTHER] INDICATING THE CANDELA VALUES ARE ABSOLUTE AND
 [MORE] SHOULD NOT BE FACTORED FOR DIFFERENT LAMP RATINGS.
 [INPUT] 120VAC, 17.34W
 [TEST PROCEDURE] IESNA:LM-79-08

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1794
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	103
Total Luminaire Watts	17.34
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)	0.33 ft
Luminous Width (90-270)	3.94 ft
Luminous Height	0.00 ft

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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

	0	5	10	15	20	25	30	35	40	45
0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
10	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
20	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
25	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
30	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
35	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
40	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
45	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
50	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
55	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
60	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
65	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
70	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
75	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
80	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
85	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
90	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
95	20.585	20.573	20.608	20.654	20.723	20.838	21.022	21.217	21.459	21.735
100	46.103	46.172	46.356	46.609	47.092	47.610	48.219	48.967	49.852	50.922
105	78.740	78.844	79.154	79.925	80.707	81.707	83.156	84.732	86.606	88.837
110	116.736	116.782	117.346	118.427	119.600	121.520	123.533	126.281	129.306	132.606
115	158.642	158.527	159.447	160.597	162.575	164.944	168.199	171.741	175.915	180.308
120	200.801	200.744	201.859	203.412	205.781	209.012	212.842	216.867	222.479	227.953
125	247.181	247.020	248.273	250.297	253.149	256.967	261.763	267.076	272.975	279.116
130	300.633	300.357	301.599	304.899	307.441	312.110	317.342	323.414	329.843	337.019
135	359.271	358.938	360.237	363.940	366.493	372.335	377.372	384.928	390.724	398.544
140	422.314	421.946	423.062	426.121	430.261	435.252	443.739	447.741	455.043	463.944
145	489.417	488.842	489.785	492.487	499.479	501.883	507.587	516.752	521.180	529.023
150	558.198	557.727	558.302	560.981	565.386	572.378	574.931	580.796	587.983	596.712
155	625.922	625.807	626.186	628.360	632.051	636.398	643.344	645.161	650.911	656.535
160	689.551	689.632	689.551	691.253	693.944	696.934	700.626	706.537	711.263	712.597
165	744.912	744.843	744.487	745.660	747.385	749.294	751.755	754.204	757.045	760.368
170	788.371	788.095	787.589	788.060	788.842	789.912	791.349	792.350	793.799	795.018
175	815.810	815.499	815.154	815.177	815.453	816.086	817.006	817.282	817.673	817.834
180	824.550	824.550	824.550	824.550	824.550	824.550	824.550	824.550	824.550	824.550

Vert. Angles **Horizontal Angles**

	50	55	60	65	70	75	80	85	90
0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
10	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
20	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
25	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
30	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
35	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
40	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
45	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
50	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
55	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
60	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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65	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
70	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
75	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
80	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
85	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
90	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
95	22.034	22.379	22.793	23.264	23.724	24.173	24.564	24.805	24.909
100	52.014	53.314	54.682	56.085	57.339	58.431	59.340	59.984	60.225
105	91.195	93.610	96.128	98.635	100.958	102.925	104.477	105.581	105.995
110	136.217	139.817	143.531	147.142	150.477	153.249	155.434	156.952	157.527
115	185.035	189.784	194.603	199.329	203.653	207.161	209.875	211.795	212.474
120	233.553	239.338	245.283	251.125	256.289	260.337	263.580	265.880	266.673
125	285.786	292.629	299.667	306.279	312.064	316.710	320.424	323.081	324.024
130	345.322	352.383	360.249	367.862	373.646	378.787	382.812	385.687	386.756
135	406.985	414.989	423.142	431.468	436.965	442.175	446.395	449.397	450.512
140	471.304	479.676	489.405	494.983	501.170	506.092	510.289	513.222	514.211
145	536.992	546.848	552.149	558.773	564.523	568.974	572.815	575.552	576.483
150	601.185	608.246	614.594	620.298	626.416	631.637	633.937	635.283	635.904
155	662.411	670.461	674.831	677.177	680.823	683.755	686.274	688.194	688.884
160	716.438	720.521	724.063	727.156	729.755	731.779	733.884	735.862	736.552
165	764.865	767.832	769.062	768.913	769.327	769.844	770.925	771.880	772.202
170	796.122	797.456	798.295	798.560	798.675	798.767	799.388	800.078	800.250
175	817.776	818.225	818.110	817.374	816.764	816.143	816.258	816.649	816.776
180	824.550	824.550	824.550	824.550	824.550	824.550	824.550	824.550	824.550

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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	0.00	N.A.	0.00
10-90	0.00	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	0.00	N.A.	0.00
90-110	123.26	N.A.	6.90
90-120	304.11	N.A.	17.00
90-130	557.96	N.A.	31.10
90-150	1200.64	N.A.	66.90
90-180	1793.51	N.A.	100.00
110-180	1670.25	N.A.	93.10
0-180	1793.51	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	0.00
90-100	26.23
100-110	97.02
110-120	180.85
120-130	253.85
130-140	310.50
140-150	332.18
150-160	302.17
160-170	213.44
170-180	77.25

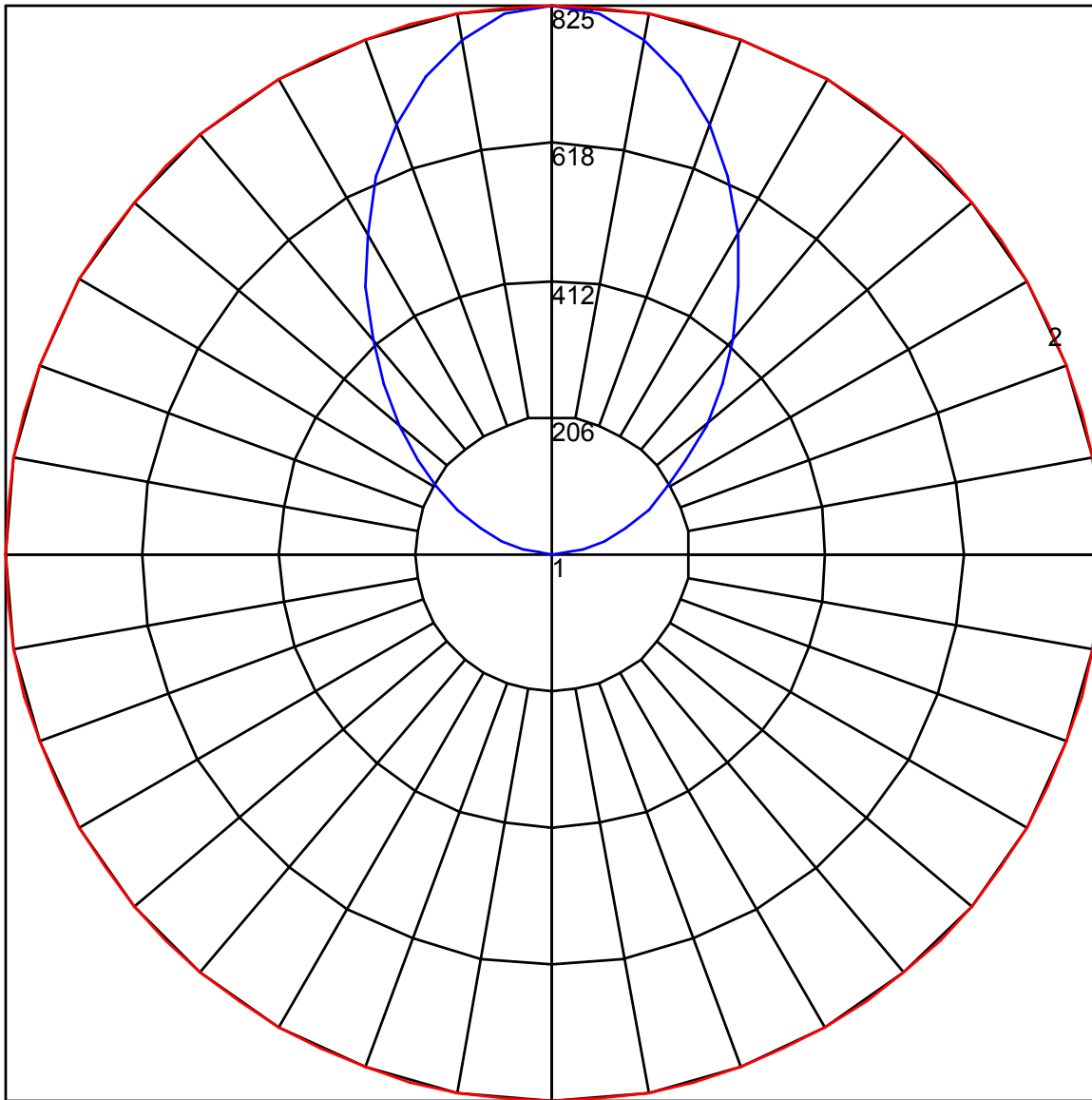
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	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	27	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 = 824.55 Located At Horizontal Angle = 0, Vertical Angle = 180
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (180) (Through Max. Cd.)