



IES INDOOR REPORT

PHOTOMETRIC FILENAME : BIO-LIN-LED35-SO-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-LED4SO-04-ABW-TMW-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	3247
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	97
Total Luminaire Watts	33.4
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	7756	10422	9633
55	6974	9294	7172
65	6178	7817	5469
75	5168	5716	3984
85	4028	3461	2802

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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	1131.112	1131.112	1131.112	1131.112	1131.112	1131.112	1131.112	1131.112	1131.112	1131.112
5	1120.319	1120.829	1121.921	1123.777	1126.325	1130.711	1135.298	1139.702	1143.488	1147.419
10	1098.679	1099.917	1103.684	1110.018	1117.844	1128.527	1140.303	1152.115	1163.344	1174.555
15	1064.081	1066.484	1074.401	1085.994	1101.264	1120.010	1139.793	1159.376	1177.995	1195.340
20	1016.779	1020.911	1032.850	1051.268	1074.455	1100.536	1127.745	1152.879	1175.847	1196.049
25	958.521	964.200	980.416	1005.204	1035.034	1067.248	1099.080	1127.454	1151.168	1170.442
30	890.144	897.333	917.626	947.674	982.673	1018.818	1052.979	1081.353	1103.557	1120.283
35	813.777	822.130	845.081	879.005	917.153	955.354	989.079	1016.142	1035.926	1050.413
40	730.712	739.648	764.327	799.599	838.765	876.858	909.727	934.752	952.861	966.074
45	644.608	654.181	679.297	712.075	750.058	786.058	816.852	839.966	856.401	866.102
50	556.520	566.420	592.865	626.135	653.107	686.249	714.386	734.607	746.509	750.641
55	470.161	478.514	497.843	525.962	554.681	580.453	605.405	627.609	628.974	626.553
60	394.285	398.780	414.924	438.056	465.374	487.269	508.908	524.269	521.830	513.731
65	306.888	314.896	323.177	341.377	363.236	382.309	396.432	402.256	400.254	388.279
70	231.486	234.179	240.058	251.360	266.630	277.040	285.540	289.908	285.758	273.764
75	157.193	158.340	161.489	169.278	171.644	180.398	186.495	187.515	182.946	173.865
80	93.566	92.037	93.967	91.491	95.677	99.336	101.192	100.519	97.188	92.110
85	41.259	39.512	37.528	37.638	38.129	38.457	38.366	37.801	36.764	35.454
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	1131.112	1131.112	1131.112	1131.112	1131.112	1131.112	1131.112	1131.112	1131.112
5	1151.114	1154.572	1158.030	1160.359	1162.197	1163.890	1165.328	1166.675	1168.440
10	1184.838	1194.157	1202.711	1209.608	1215.560	1219.673	1222.749	1226.352	1228.609
15	1210.482	1223.477	1235.016	1243.934	1251.832	1256.910	1260.204	1263.990	1264.554
20	1212.557	1225.588	1236.217	1244.607	1250.777	1254.235	1256.619	1259.331	1258.985
25	1184.947	1195.358	1203.821	1209.663	1213.449	1215.414	1216.397	1217.762	1218.818
30	1131.876	1140.394	1147.219	1151.769	1154.572	1155.937	1156.264	1158.066	1158.776
35	1060.860	1068.322	1074.255	1076.858	1077.258	1076.475	1075.675	1076.039	1076.275
40	974.464	978.978	979.979	976.266	970.843	964.400	959.722	957.011	955.919
45	869.323	866.338	858.130	845.026	830.885	818.072	808.590	802.966	800.527
50	745.508	733.260	714.514	693.820	673.910	656.383	642.933	635.471	633.706
55	612.940	592.228	568.186	543.925	522.540	505.833	492.092	484.357	483.501
60	495.131	473.418	446.828	424.497	405.405	388.661	378.706	373.300	372.718
65	369.114	347.747	327.018	308.727	295.222	283.811	277.004	272.145	271.671
70	257.839	241.387	226.153	214.014	204.186	197.452	192.738	189.717	189.025
75	162.854	152.498	143.216	135.772	130.257	126.363	123.432	121.813	121.194
80	86.486	81.627	77.368	74.001	71.453	69.488	68.123	67.358	67.049
85	34.070	32.815	31.723	30.776	30.012	29.357	28.956	28.720	28.701
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	442.65	N.A.	13.60
0-30	962.66	N.A.	29.60
0-40	1587.62	N.A.	48.90
0-60	2699.65	N.A.	83.10
0-80	3205.38	N.A.	98.70
0-90	3247.45	N.A.	100.00
10-90	3137.47	N.A.	96.60
20-40	1144.96	N.A.	35.30
20-50	1759.47	N.A.	54.20
40-70	1449.39	N.A.	44.60
60-80	505.73	N.A.	15.60
70-80	168.38	N.A.	5.20
80-90	42.07	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	3247.45	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	109.98
10-20	332.67
20-30	520.01
30-40	624.96
40-50	614.51
50-60	497.53
60-70	337.35
70-80	168.38
80-90	42.07
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

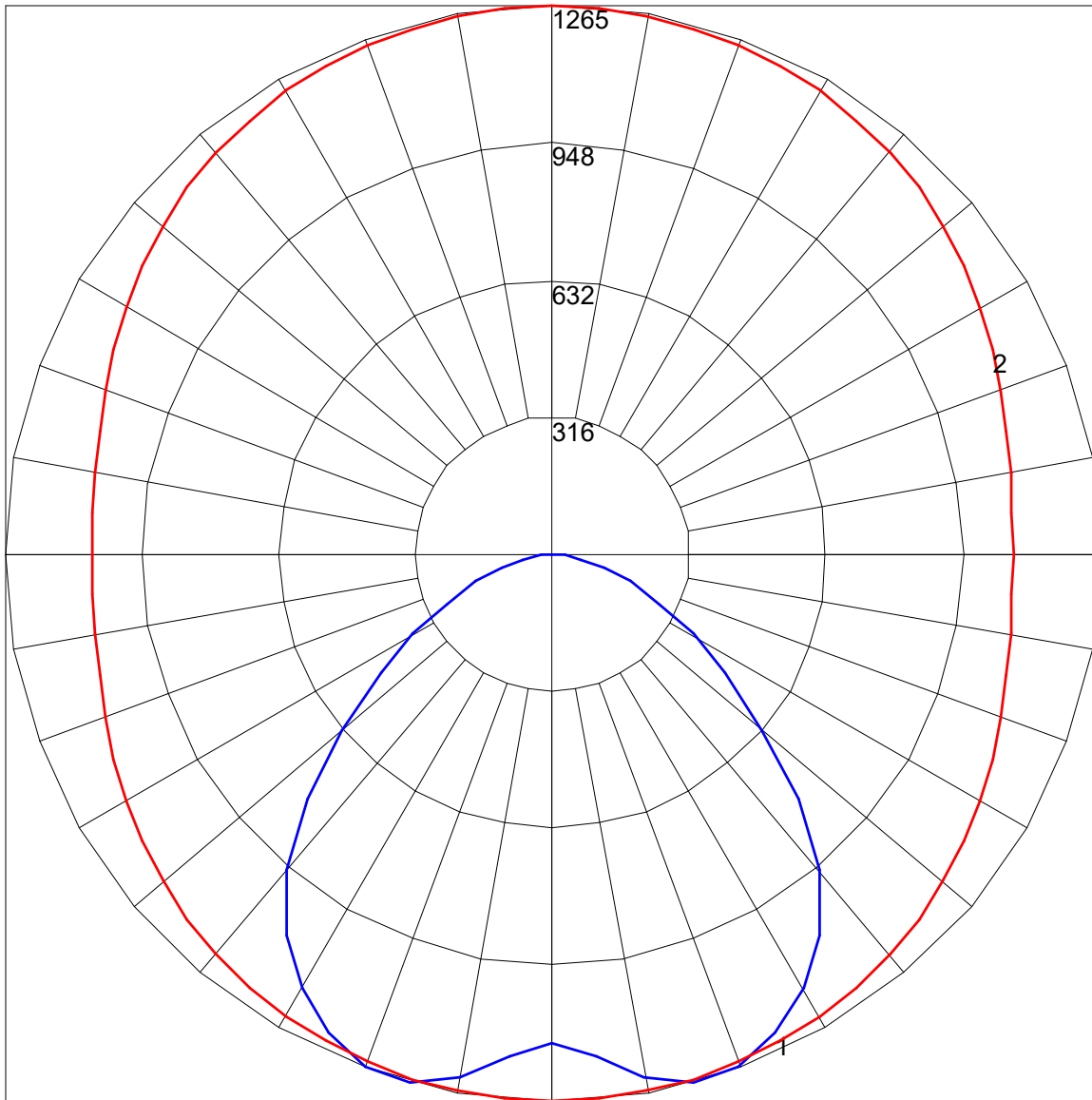
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	99	96	93	95	92	90	91	89	87	85
2	100	92	86	80	97	90	84	79	87	82	78	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 = 1264.554 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.)