



IES INDOOR REPORT
PHOTOMETRIC FILENAME : LPEC24-LED-40L-30.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]LED-8913_Scaled
[TESTLAB]LSI INDUSTRIES, INC
[ISSUE DATE]08/18/17
[TEST DATE]05/16/17
[MANUFACTURER]LSI INDUSTRIES, INC
[LUMEN CATEGORY]LPEC24-LED-40L-30
[ABSOLUTE]NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.
[OTHER]TEST PROCEDURE: IESNA LM-79-08
[OTHER]SCALED FROM ORIGINAL TEST DATA
[SEARCH SOURCE TYPE] LED
[SEARCH APPLICATION] Indoor

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	3892
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	121
Total Luminaire Watts	32.1
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.30
Spacing Criterion (90-270)	1.48
Spacing Criterion (Diagonal)	1.52
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	4.00 ft
Luminous Width (90-270)	1.98 ft
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	1383	1664	1896
55	1301	1723	2091
65	1200	1794	2368
75	1078	1947	2849
85	940	2280	2940

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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	1083.122	1083.122	1083.122	1083.122	1083.122
2.5	1104.938	1092.105	1084.405	1074.139	1067.722
5.0	1103.655	1092.105	1084.405	1077.989	1071.572
7.5	1101.089	1090.822	1084.405	1077.989	1071.572
10.0	1093.389	1084.405	1081.839	1077.989	1072.855
12.5	1085.689	1076.705	1077.989	1076.705	1075.422
15.0	1074.139	1069.006	1072.855	1079.272	1077.989
17.5	1057.456	1054.889	1066.439	1077.989	1079.272
20.0	1043.339	1043.339	1060.022	1076.705	1080.555
22.5	1021.523	1026.656	1051.039	1074.139	1079.272
25.0	998.423	1006.123	1039.489	1069.006	1076.705
27.5	968.907	983.023	1025.373	1061.306	1071.572
30.0	940.674	958.640	1008.689	1053.606	1066.439
32.5	909.874	930.407	990.723	1043.339	1057.456
35.0	876.508	900.891	970.190	1031.789	1047.189
37.5	839.291	870.091	949.657	1018.956	1038.206
40.0	802.075	836.725	922.707	999.706	1022.806
42.5	764.859	802.075	898.324	983.023	1007.406
45.0	719.942	763.575	866.241	959.923	986.873
47.5	677.593	722.509	834.158	935.540	965.057
50.0	637.810	684.010	802.075	909.874	941.957
52.5	594.177	642.943	766.142	880.357	917.574
55.0	549.261	598.027	727.642	846.991	882.924
57.5	506.911	556.961	689.143	813.625	852.124
60.0	464.562	513.328	648.077	776.409	816.191
62.5	420.929	467.128	604.444	736.626	777.692
65.0	373.446	420.929	558.244	694.276	736.626
67.5	331.097	374.729	512.045	649.360	691.709
70.0	287.464	329.813	465.845	604.444	648.077
72.5	246.397	286.180	418.362	555.678	596.744
75.0	205.331	243.831	370.879	500.495	542.844
77.5	164.265	200.198	319.547	440.179	473.545
80.0	128.332	160.415	266.931	372.163	400.396
82.5	93.682	120.632	209.181	291.314	306.713
85.0	60.316	83.416	146.298	188.648	188.648
87.5	32.083	43.633	69.299	94.966	97.532
90.0	0.000	0.000	0.000	0.000	0.000

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	407.23	N.A.	10.50
0-30	886.06	N.A.	22.80
0-40	1491.14	N.A.	38.30
0-60	2802.24	N.A.	72.00
0-80	3744.04	N.A.	96.20
0-90	3891.58	N.A.	100.00
10-90	3788.08	N.A.	97.30
20-40	1083.91	N.A.	27.90
20-50	1748.38	N.A.	44.90
40-70	1862.52	N.A.	47.90
60-80	941.80	N.A.	24.20
70-80	390.37	N.A.	10.00
80-90	147.54	N.A.	3.80
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	0.00	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	3891.58	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	103.50
10-20	303.73
20-30	478.83
30-40	605.08
40-50	664.47
50-60	646.63
60-70	551.42
70-80	390.37
80-90	147.54
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

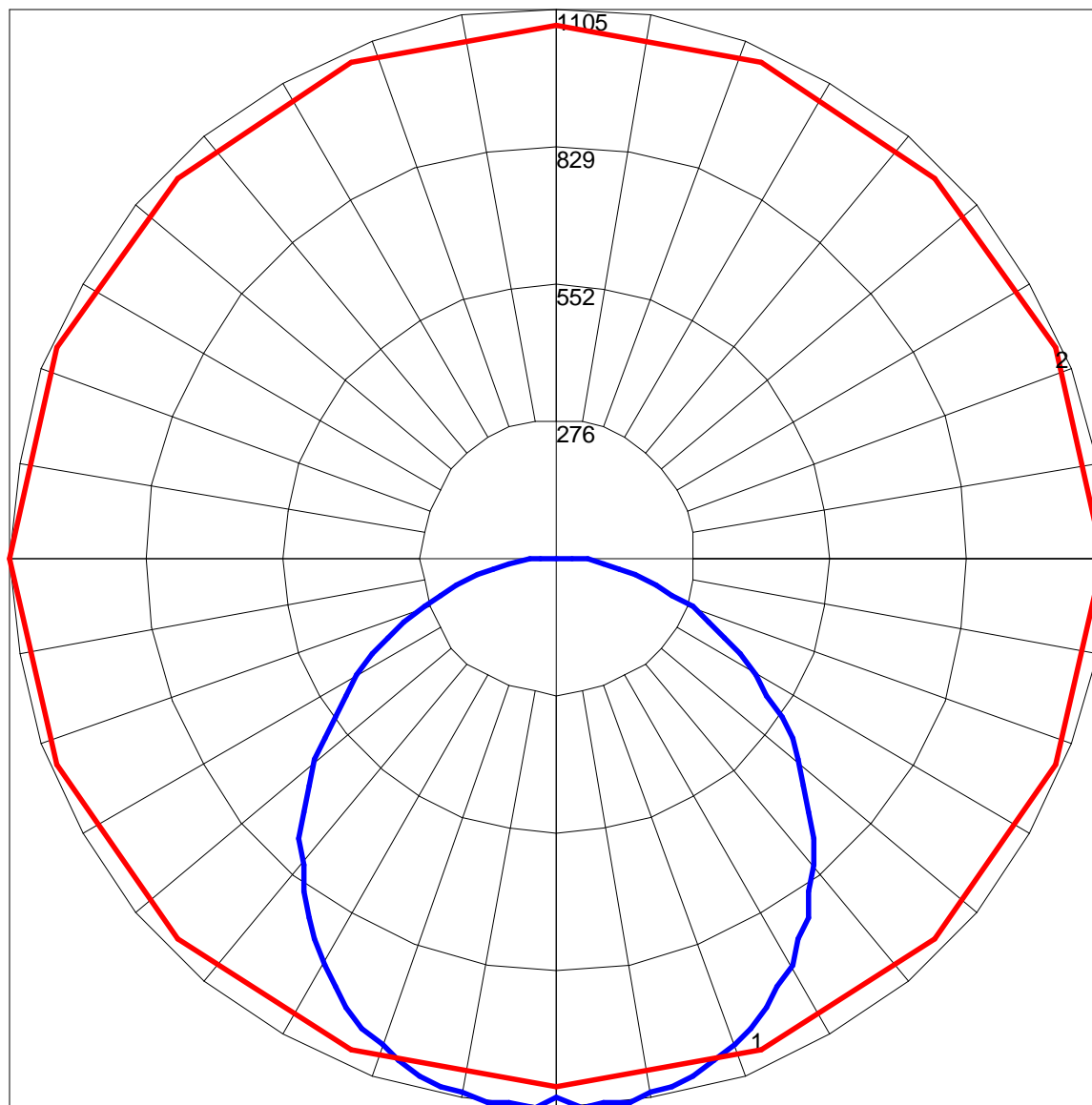
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	107	102	97	92	104	99	95	91	95	91	88	91	88	85	87	85	83	80
2	96	87	80	73	94	85	78	72	82	76	71	78	73	69	75	71	67	65
3	87	76	67	60	85	74	66	59	71	64	58	68	62	57	66	60	56	54
4	80	67	57	50	77	65	56	50	63	55	49	60	54	48	58	52	47	45
5	73	59	50	42	71	58	49	42	56	48	42	54	47	41	52	46	41	38
6	67	53	43	37	65	52	43	37	50	42	36	48	41	36	47	40	35	33
7	62	48	39	32	60	47	38	32	45	37	32	44	37	31	43	36	31	29
8	58	43	35	28	56	43	34	28	41	34	28	40	33	28	39	33	28	26
9	54	40	31	25	52	39	31	25	38	30	25	37	30	25	36	30	25	23
10	50	37	28	23	49	36	28	23	35	28	23	34	27	23	33	27	23	21

POLAR GRAPH



Maximum Candela = 1104.938 Located At Horizontal Angle = 0, Vertical Angle = 2.5
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (2.5) (Through Max. Cd.)