



IES INDOOR REPORT

PHOTOMETRIC FILENAME : LPEC24-LED-30L-50.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]LED-8913_Scaled
[TESTLAB]LSI INDUSTRIES, INC
[ISSUE DATE]07/10/17
[TEST DATE]05/16/17
[MANUFACTURER]LSI INDUSTRIES, INC
[LUMEN CATEGORY]LPEC24-LED-30L-50
[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	3264
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	137
Total Luminaire Watts	23.9
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	1160	1396	1590
55	1091	1446	1754
65	1007	1505	1986
75	904	1633	2390
85	789	1913	2466

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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	908.574	908.574	908.574	908.574	908.574
2.5	926.875	916.110	909.651	901.039	895.656
5.0	925.799	916.110	909.651	904.268	898.886
7.5	923.646	915.033	909.651	904.268	898.886
10.0	917.186	909.651	907.498	904.268	899.962
12.5	910.727	903.192	904.268	903.192	902.115
15.0	901.039	896.733	899.962	905.345	904.268
17.5	887.044	884.891	894.580	904.268	905.345
20.0	875.203	875.203	889.197	903.192	906.421
22.5	856.902	861.208	881.662	901.039	905.345
25.0	837.525	843.984	871.973	896.733	903.192
27.5	812.765	824.607	860.131	890.274	898.886
30.0	789.082	804.153	846.137	883.815	894.580
32.5	763.246	780.470	831.066	875.203	887.044
35.0	735.256	755.710	813.842	865.514	878.432
37.5	704.038	729.874	796.617	854.749	870.897
40.0	672.819	701.884	774.011	838.601	857.978
42.5	641.600	672.819	753.557	824.607	845.060
45.0	603.922	640.523	726.644	805.229	827.836
47.5	568.397	606.075	699.731	784.776	809.535
50.0	535.025	573.780	672.819	763.246	790.158
52.5	498.424	539.331	642.676	738.486	769.705
55.0	460.746	501.654	610.381	710.497	740.639
57.5	425.221	467.205	578.086	682.507	714.803
60.0	389.697	430.604	543.638	651.289	684.660
62.5	353.095	391.850	507.036	617.917	652.365
65.0	313.264	353.095	468.282	582.392	617.917
67.5	277.740	314.341	429.527	544.714	580.239
70.0	241.138	276.663	390.773	507.036	543.638
72.5	206.690	240.062	350.942	466.129	500.577
75.0	172.242	204.537	311.111	419.839	455.364
77.5	137.793	167.936	268.051	369.243	397.232
80.0	107.651	134.564	223.914	312.188	335.871
82.5	78.585	101.192	175.471	244.368	257.286
85.0	50.596	69.973	122.722	158.247	158.247
87.5	26.913	36.601	58.132	79.662	81.815
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	341.60	N.A.	10.50
0-30	743.27	N.A.	22.80
0-40	1250.84	N.A.	38.30
0-60	2350.65	N.A.	72.00
0-80	3140.68	N.A.	96.20
0-90	3264.44	N.A.	100.00
10-90	3177.62	N.A.	97.30
20-40	909.24	N.A.	27.90
20-50	1466.62	N.A.	44.90
40-70	1562.37	N.A.	47.90
60-80	790.02	N.A.	24.20
70-80	327.46	N.A.	10.00
80-90	123.77	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	3264.44	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	86.82
10-20	254.79
20-30	401.66
30-40	507.57
40-50	557.39
50-60	542.43
60-70	462.56
70-80	327.46
80-90	123.77
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

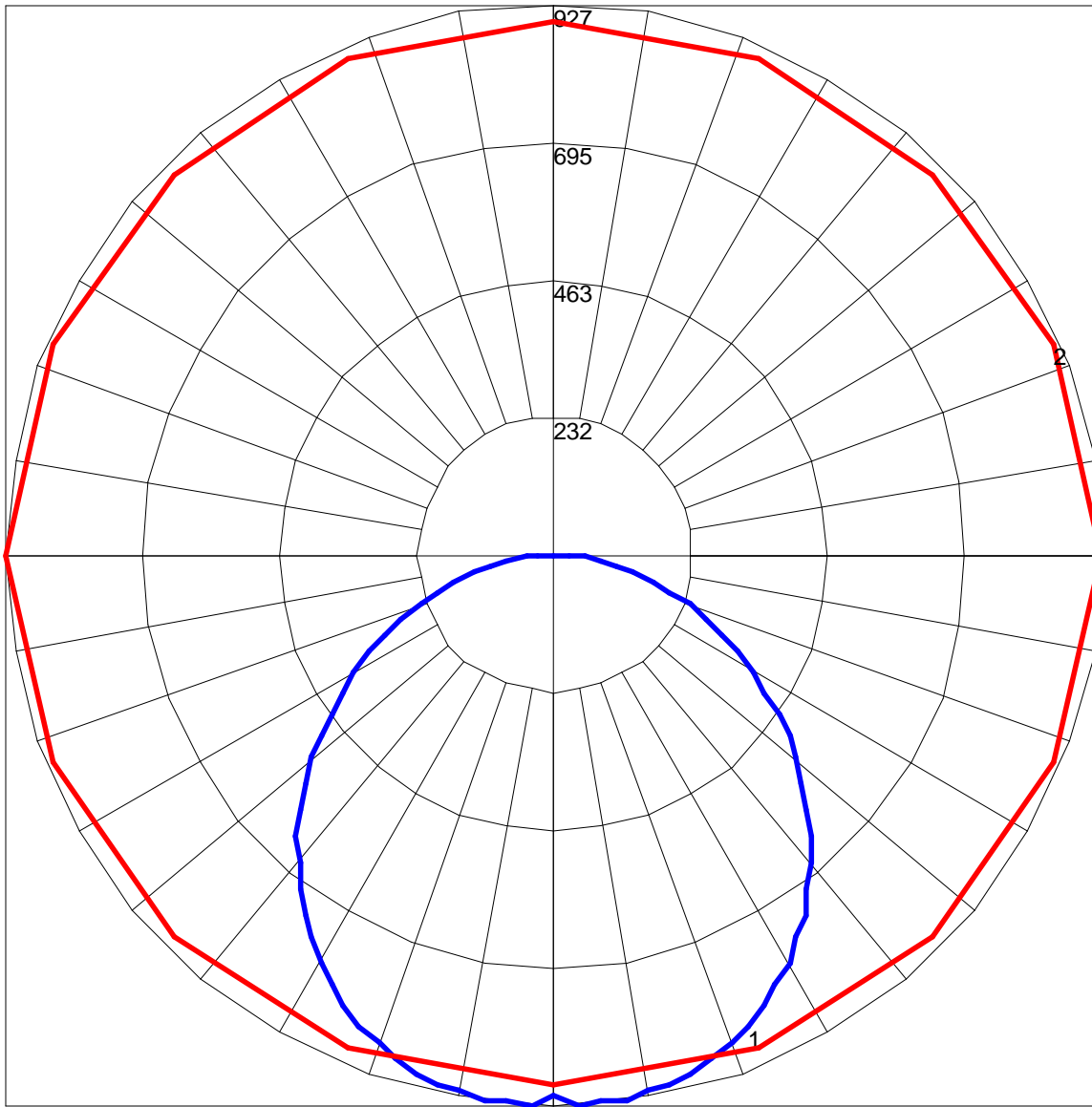
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	44	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	38	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 = 926.875 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.)