



IES INDOOR REPORT

PHOTOMETRIC FILENAME : LPEC22-LED-32L-30.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]LED-8833_Scaled
[TESTLAB]LSI INDUSTRIES, INC
[ISSUE DATE]08/18/17
[TEST DATE]04/26/17
[MANUFACTURER]LSI INDUSTRIES, INC
[LUMEN CATEGORY]LPEC22-LED-32L-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	3182
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	123
Total Luminaire Watts	25.8
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.28
Spacing Criterion (90-270)	1.46
Spacing Criterion (Diagonal)	1.48
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	2.00 ft
Luminous Width (90-270)	2.00 ft
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	2239	2693	3105
55	2054	2753	3416
65	1858	2798	3817
75	1582	2953	4601
85	1211	3198	5281

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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	928.219	928.219	928.219	928.219	928.219
2.5	945.495	939.213	928.219	920.366	915.654
5.0	945.495	937.642	929.789	920.366	915.654
7.5	940.783	934.501	926.648	921.936	917.225
10.0	934.501	929.789	925.078	921.936	920.366
12.5	925.078	921.936	920.366	918.795	920.366
15.0	915.654	915.654	917.225	920.366	918.795
17.5	901.519	903.089	909.372	915.654	917.225
20.0	885.813	890.525	901.519	914.083	917.225
22.5	866.966	873.248	890.525	907.801	912.513
25.0	846.548	854.401	877.960	901.519	909.372
27.5	821.419	833.983	865.395	895.236	904.660
30.0	793.148	808.854	846.548	884.242	896.807
32.5	763.307	782.154	829.272	871.677	888.954
35.0	733.466	755.454	808.854	860.683	877.960
37.5	698.913	724.042	785.295	843.407	865.395
40.0	662.789	692.630	761.736	826.130	849.689
42.5	626.665	659.648	736.607	807.283	832.413
45.0	588.971	625.095	708.336	785.295	816.707
47.5	554.418	588.971	680.065	764.877	797.860
50.0	516.724	552.848	648.654	741.318	775.871
52.5	477.459	516.724	618.812	717.760	750.742
55.0	438.195	480.601	587.401	689.489	728.754
57.5	402.071	442.906	551.277	659.648	702.054
60.0	362.806	403.642	516.724	626.665	669.071
62.5	328.253	367.518	480.601	596.824	637.660
65.0	292.130	328.253	439.765	559.130	599.965
67.5	256.006	290.559	403.642	521.436	566.983
70.0	219.883	252.865	362.806	483.742	527.718
72.5	186.900	216.741	323.542	444.477	490.024
75.0	152.347	182.188	284.277	400.500	442.906
77.5	120.935	147.635	241.871	350.242	394.218
80.0	92.665	116.224	199.465	298.412	334.536
82.5	65.965	83.241	152.347	232.447	262.289
85.0	39.265	53.400	103.659	155.488	171.194
87.5	17.276	21.988	47.118	65.965	67.535
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	347.77	N.A.	10.90
0-30	752.82	N.A.	23.70
0-40	1257.67	N.A.	39.50
0-60	2324.97	N.A.	73.10
0-80	3070.16	N.A.	96.50
0-90	3181.8	N.A.	100.00
10-90	3093.2	N.A.	97.20
20-40	909.90	N.A.	28.60
20-50	1454.59	N.A.	45.70
40-70	1506.61	N.A.	47.40
60-80	745.18	N.A.	23.40
70-80	305.88	N.A.	9.60
80-90	111.64	N.A.	3.50
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	3181.8	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	88.60
10-20	259.17
20-30	405.05
30-40	504.85
40-50	544.69
50-60	522.61
60-70	439.31
70-80	305.88
80-90	111.64
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

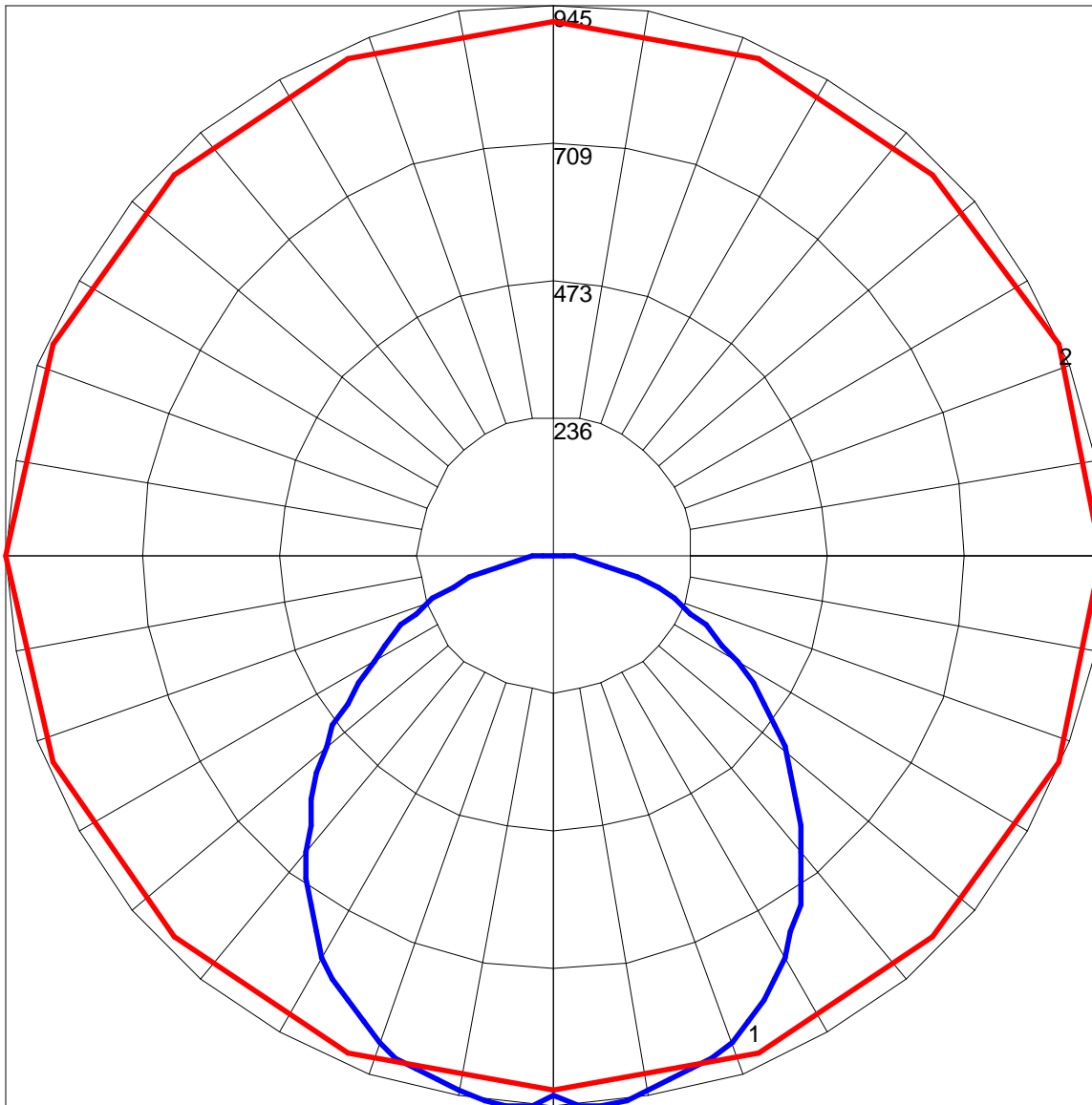
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	93	105	100	95	91	95	92	88	91	88	86	88	85	83	81
2	97	88	80	74	94	86	79	73	82	76	71	79	74	70	76	72	68	66
3	88	76	68	61	85	75	67	60	72	65	59	69	63	58	66	61	57	55
4	80	67	58	51	78	66	57	50	63	56	50	61	54	49	59	53	48	46
5	73	60	50	43	71	59	50	43	56	49	42	54	47	42	52	46	42	39
6	68	54	44	37	66	53	44	37	51	43	37	49	42	37	47	41	36	34
7	63	48	39	33	61	48	39	33	46	38	32	45	37	32	43	37	32	30
8	58	44	35	29	57	43	35	29	42	34	29	41	34	29	40	33	28	26
9	54	40	32	26	53	40	32	26	39	31	26	37	31	26	36	30	26	24
10	51	37	29	24	49	37	29	24	36	28	23	35	28	23	34	28	23	21

POLAR GRAPH



Maximum Candela = 945.495 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.)