



IES INDOOR REPORT

PHOTOMETRIC FILENAME : LPEC22-LED-39L-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-39L-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_SOURCETYPE] LED
[SEARCH_APPLICATION] Indoor

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	3763
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	123
Total Luminaire Watts	30.6
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	2648	3185	3672
55	2429	3256	4039
65	2198	3308	4514
75	1871	3492	5441
85	1432	3781	6245

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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	1097.700	1097.700	1097.700	1097.700	1097.700
2.5	1118.131	1110.701	1097.700	1088.413	1082.841
5.0	1118.131	1108.844	1099.557	1088.413	1082.841
7.5	1112.559	1105.129	1095.842	1090.270	1084.698
10.0	1105.129	1099.557	1093.985	1090.270	1088.413
12.5	1093.985	1090.270	1088.413	1086.556	1088.413
15.0	1082.841	1082.841	1084.698	1088.413	1086.556
17.5	1066.125	1067.982	1075.411	1082.841	1084.698
20.0	1047.551	1053.123	1066.125	1080.984	1084.698
22.5	1025.263	1032.692	1053.123	1073.554	1079.126
25.0	1001.117	1010.404	1038.264	1066.125	1075.411
27.5	971.399	986.258	1023.405	1058.695	1069.839
30.0	937.967	956.540	1001.117	1045.694	1060.553
32.5	902.677	924.965	980.686	1030.835	1051.266
35.0	867.387	893.390	956.540	1017.833	1038.264
37.5	826.525	856.243	928.680	997.402	1023.405
40.0	783.806	819.096	900.820	976.971	1004.832
42.5	741.087	780.091	871.102	954.683	984.401
45.0	696.510	739.229	837.669	928.680	965.827
47.5	655.648	696.510	804.237	904.534	943.539
50.0	611.071	653.791	767.090	876.674	917.536
52.5	564.637	611.071	731.800	848.814	887.818
55.0	518.203	568.352	694.653	815.381	861.815
57.5	475.484	523.776	651.933	780.091	830.240
60.0	429.050	477.342	611.071	741.087	791.235
62.5	388.188	434.622	568.352	705.797	754.088
65.0	345.469	388.188	520.061	661.220	709.512
67.5	302.750	343.612	477.342	616.644	670.507
70.0	260.030	299.035	429.050	572.067	624.073
72.5	221.026	256.316	382.616	525.633	579.496
75.0	180.164	215.454	336.182	473.627	523.776
77.5	143.017	174.592	286.033	414.191	466.197
80.0	109.584	137.445	235.885	352.898	395.618
82.5	78.009	98.440	180.164	274.889	310.179
85.0	46.434	63.150	122.586	183.879	202.452
87.5	20.431	26.003	55.721	78.009	79.866
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	411.27	N.A.	10.90
0-30	890.28	N.A.	23.70
0-40	1487.31	N.A.	39.50
0-60	2749.48	N.A.	73.10
0-80	3630.73	N.A.	96.50
0-90	3762.75	N.A.	100.00
10-90	3657.97	N.A.	97.20
20-40	1076.04	N.A.	28.60
20-50	1720.18	N.A.	45.70
40-70	1781.69	N.A.	47.40
60-80	881.25	N.A.	23.40
70-80	361.73	N.A.	9.60
80-90	132.02	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	3762.75	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	104.78
10-20	306.49
20-30	479.01
30-40	597.03
40-50	644.14
50-60	618.03
60-70	519.52
70-80	361.73
80-90	132.02
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

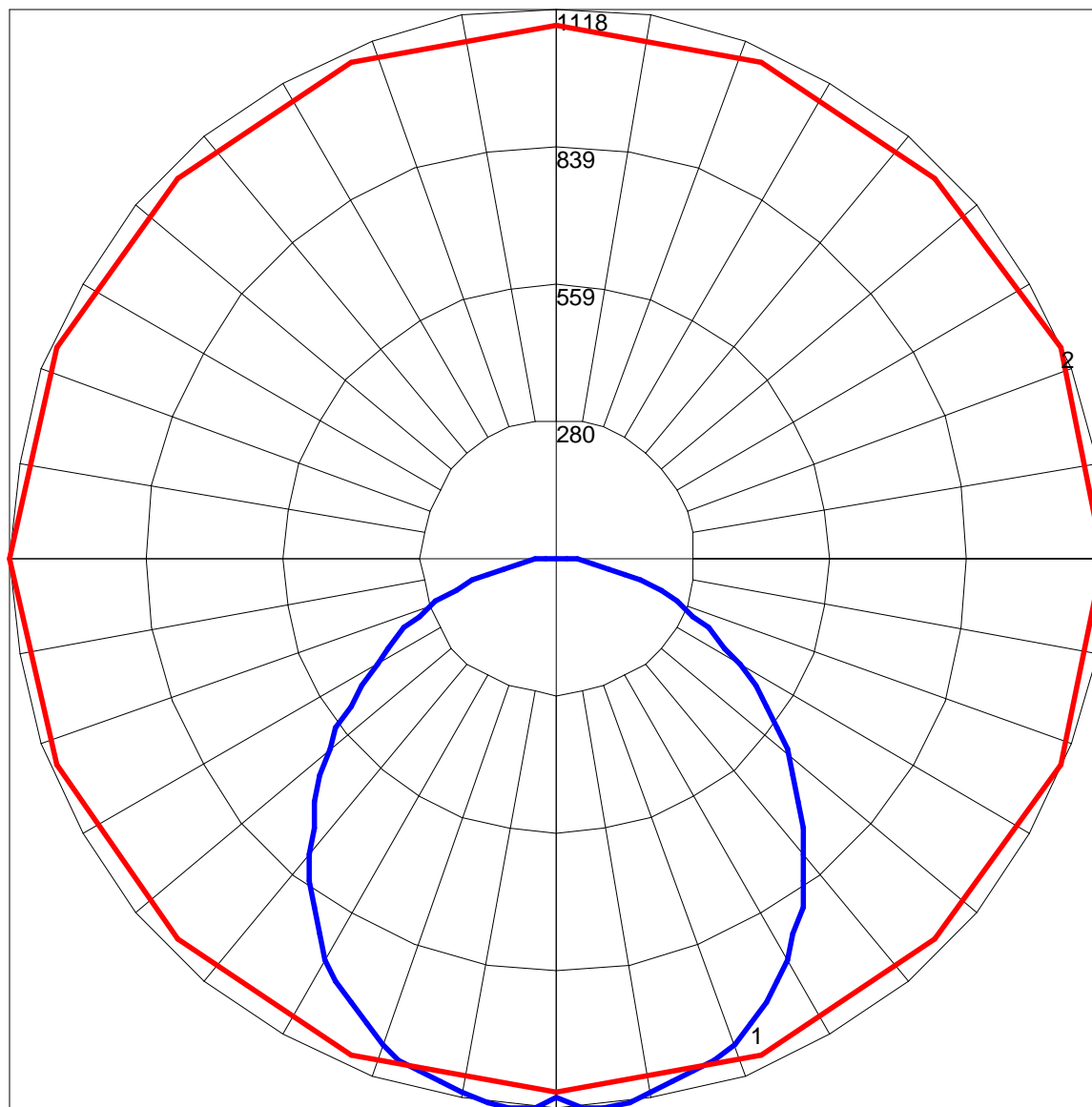
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 1118.131 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.)