



IES INDOOR REPORT
PHOTOMETRIC FILENAME : LPEC22-LED-39L-35.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]LED-8833_Scaled
[TESTLAB]LSI INDUSTRIES, INC
[ISSUE]DATE]07/10/17
[TEST]DATE]04/26/17
[MANUFAC]LSI INDUSTRIES, INC
[LUMCAT]LPEC22-LED-39L-35
[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	3982
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	130
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	2802	3370	3886
55	2570	3445	4275
65	2326	3501	4776
75	1980	3695	5757
85	1516	4001	6608

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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	1161.581	1161.581	1161.581	1161.581	1161.581
2.5	1183.201	1175.339	1161.581	1151.754	1145.857
5.0	1183.201	1173.374	1163.546	1151.754	1145.857
7.5	1177.305	1169.443	1159.616	1153.719	1147.823
10.0	1169.443	1163.546	1157.650	1153.719	1151.754
12.5	1157.650	1153.719	1151.754	1149.788	1151.754
15.0	1145.857	1145.857	1147.823	1151.754	1149.788
17.5	1128.168	1130.134	1137.996	1145.857	1147.823
20.0	1108.514	1114.410	1128.168	1143.892	1147.823
22.5	1084.928	1092.790	1114.410	1136.030	1141.926
25.0	1059.378	1069.205	1098.687	1128.168	1137.996
27.5	1027.930	1043.654	1082.963	1120.307	1132.099
30.0	992.552	1012.207	1059.378	1106.548	1122.272
32.5	955.209	978.794	1037.758	1090.825	1112.445
35.0	917.865	945.381	1012.207	1077.067	1098.687
37.5	874.625	906.072	982.725	1055.447	1082.963
40.0	829.420	866.763	953.243	1033.827	1063.308
42.5	784.215	825.489	921.796	1010.241	1041.689
45.0	737.044	782.249	886.418	982.725	1022.034
47.5	693.804	737.044	851.040	957.174	998.449
50.0	646.633	691.838	811.731	927.692	970.932
52.5	597.497	646.633	774.387	898.211	939.485
55.0	548.361	601.428	735.078	862.833	911.969
57.5	503.155	554.257	689.873	825.489	878.556
60.0	454.019	505.121	646.633	784.215	837.282
62.5	410.779	459.915	601.428	746.871	797.973
65.0	365.574	410.779	550.326	699.700	750.802
67.5	320.368	363.608	505.121	652.529	709.527
70.0	275.163	316.437	454.019	605.359	660.391
72.5	233.889	271.232	404.883	556.222	613.220
75.0	190.649	227.992	355.746	501.190	554.257
77.5	151.340	184.752	302.679	438.295	493.328
80.0	115.962	145.443	249.612	373.436	418.641
82.5	82.549	104.169	190.649	290.887	328.230
85.0	49.136	66.825	129.720	194.580	214.234
87.5	21.620	27.516	58.964	82.549	84.514
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	435.20	N.A.	10.90
0-30	942.09	N.A.	23.70
0-40	1573.86	N.A.	39.50
0-60	2909.49	N.A.	73.10
0-80	3842.02	N.A.	96.50
0-90	3981.73	N.A.	100.00
10-90	3870.85	N.A.	97.20
20-40	1138.66	N.A.	28.60
20-50	1820.29	N.A.	45.70
40-70	1885.38	N.A.	47.40
60-80	932.53	N.A.	23.40
70-80	382.78	N.A.	9.60
80-90	139.71	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	3981.73	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	110.88
10-20	324.32
20-30	506.89
30-40	631.78
40-50	681.63
50-60	654.00
60-70	549.75
70-80	382.78
80-90	139.71
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

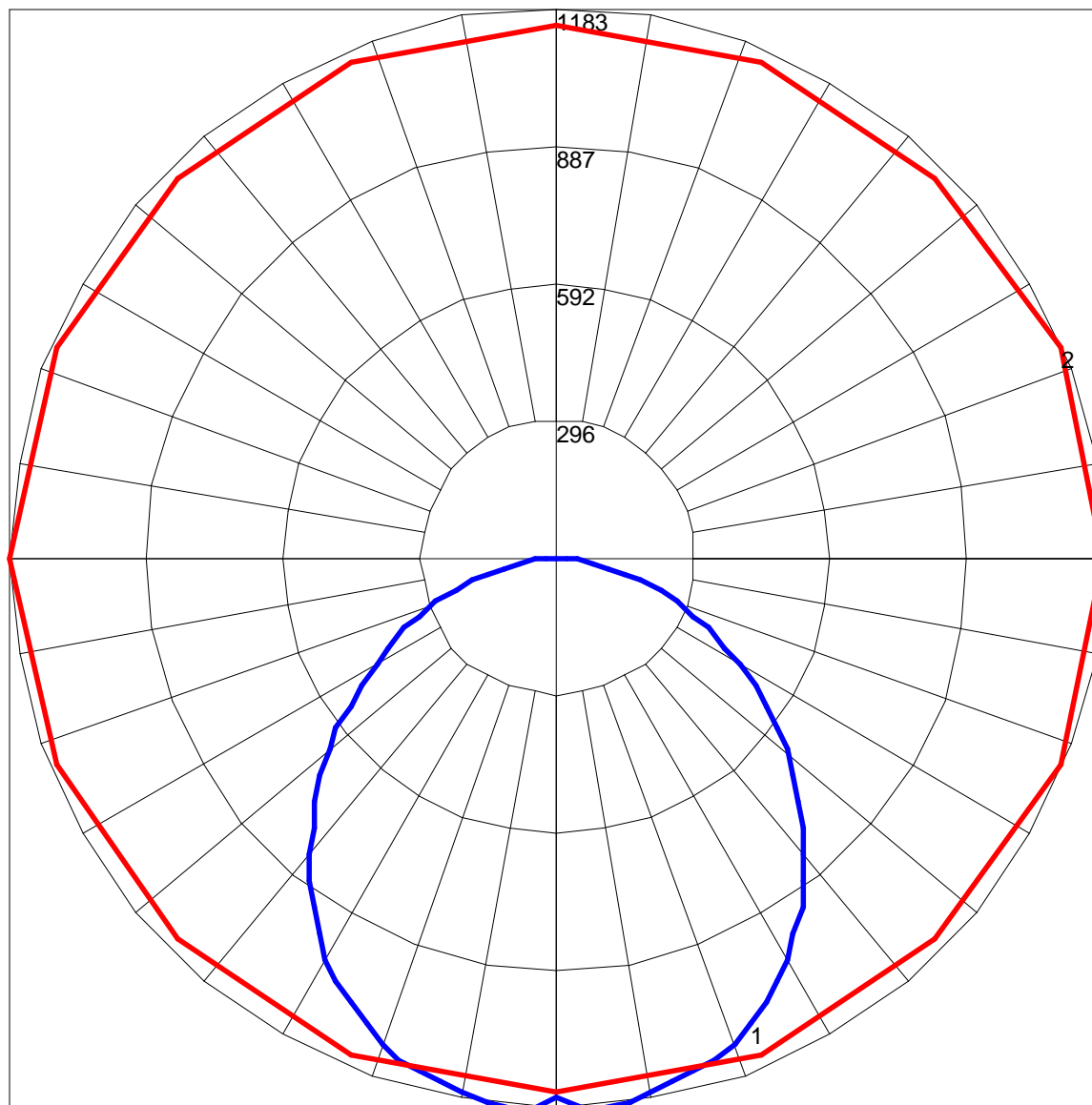
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 1183.201 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.)