IES INDOOR REPORT
PHOTOMETRIC FILENAME : LPASC24-LED-80L-50.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]LED-8884
[TESTLAB]LSI INDUSTRIES, INC
[ISSUEDATE]05/11/17
[TESTDATE]05/11/17
[MANUFAC]LSI INDUSTRIES, INC
[LUMCAT]LPASC24-LED-80L-50
[_ABSOLUTE]NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.
[OTHER]TEST PROCEDURE: IESNA LM-79-08
[_SEARCH_SOURCETYPE] LED
[_SEARCH_APPLICATION] Indoor

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	8520
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	128
Total Luminaire Watts	66.4
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.28
Spacing Criterion (90-270)	1.40
Spacing Criterion (Diagonal)	1.46
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	3143	3606	3963
55	2885	3609	4180
65	2668	3735	4522
75	2404	4272	5553
85	2229	6234	6499

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CANDELA TABULATION

	0.0	22.5	45.0	67.5	90.0
0.0	2548	2548	2548	2548	2548
2.5	2610	2572	2552	2529	2510
5.0	2607	2570	2552	2530	2511
7.5	2600	2564	2548	2530	2513
10.0	2584	2550	2539	2526	2510
12.5	2561	2531	2526	2520	2506
15.0	2530	2505	2508	2510	2500
17.5	2494	2473	2486	2496	2489
20.0	2451	2436	2458	2480	2475
22.5	2396	2390	2425	2458	2459
25.0	2336	2334	2384	2430	2435
27.5	2264	2276	2340	2399	2408
30.0	2188	2210	2290	2361	2377
32.5	2108	2136	2231	2318	2338
35.0	2022	2060	2170	2272	2293
37.5	1929	1975	2102	2217	2244
40.0	1833	1887	2030	2158	2189
42.5	1735	1797	1955	2094	2127
45.0	1636	1705	1877	2025	2063
47.5	1527	1606	1789	1951	1994
50.0	1427	1507	1704	1876	1921
52.5	1324	1405	1615	1797	1845
55.0	1218	1307	1524	1712	1765
57.5	1118	1209	1433	1626	1681
60.0	1021	1115	1345	1542	1591
62.5	924	1018	1253	1450	1501
65.0	830	925	1162	1356	1407
67.5	736	832	1072	1268	1317
70.0	640	741	985	1181	1227
72.5	551	652	898	1095	1143
75.0	458	568	814	1009	1058
77.5	375	490	732	928	982
80.0	295	415	653	837	843
82.5	217	343	560	652	664
85.0	143	264	400	419	417
87.5	70	152	196	226	241
90.0	0	0	0	0	0

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	952.46	N.A.	11.20
0-30	2051.59	N.A.	24.10
0-40	3405.38	N.A.	40.00
0-60	6192.85	N.A.	72.70
0-80	8157.41	N.A.	95.70
0-90	8519.72	N.A.	100.00
10-90	8276.42	N.A.	97.10
20-40	2452.91	N.A.	28.80
20-50	3890.04	N.A.	45.70
40-70	3918.46	N.A.	46.00
60-80	1964.55	N.A.	23.10
70-80	833.57	N.A.	9.80
80-90	362.31	N.A.	4.30
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	8519.72	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	243.30
10-20	709.16
20-30	1099.13
30-40	1353.79
40-50	1437.12
50-60	1350.35
60-70	1130.99
70-80	833.57
80-90	362.31
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	97	88	80	74	94	86	79	73	82	76	71	79	74	69	76	71	68	66
3	88	76	67	60	85	75	66	60	72	65	59	69	63	58	66	61	57	54
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	43	54	48	42	53	46	42	39
6	68	54	44	38	66	53	44	37	51	43	37	49	42	37	48	41	36	34
7	63	49	39	33	61	48	39	33	46	38	33	45	38	32	43	37	32	30
8	58	44	35	29	57	44	35	29	42	35	29	41	34	29	40	33	29	27
9	54	41	32	26	53	40	32	26	39	31	26	38	31	26	37	30	26	24
10	51	37	29	24	50	37	29	24	36	29	24	35	28	23	34	28	23	22

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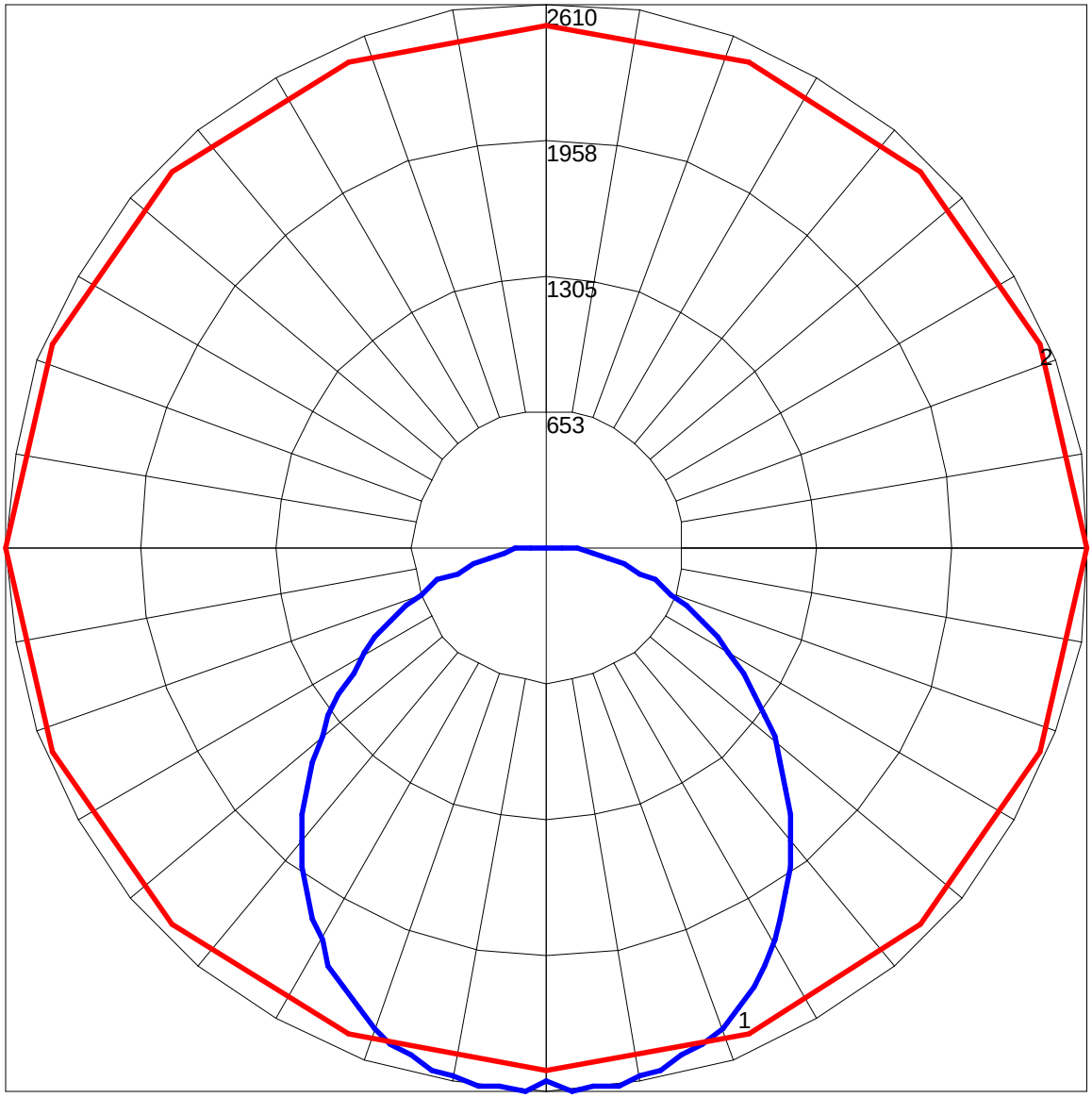
POLAR GRAPH



Maximum Candela = 2610 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.)