



IES INDOOR REPORT
PHOTOMETRIC FILENAME : LPASC24-LED-85L-50.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] LED-8787_scaled
[TESTLAB] LSI INDUSTRIES, INC
[ISSUE DATE] 05/07/19
[TEST DATE] 04/18/17
[MANUFACTURER] LSI INDUSTRIES, INC
[LUMEN CATEGORY] LPASC24-LED-85L-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_SOURCETYPE] LED
[SEARCH_APPLICATION] Indoor

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	8763
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	125
Total Luminaire Watts	70
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.28
Spacing Criterion (90-270)	1.40
Spacing Criterion (Diagonal)	1.44
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	3239	3713	4098
55	2989	3723	4303
65	2764	3844	4667
75	2519	4393	5721
85	2244	5767	5767

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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	2637	2637	2637	2637	2637
2.5	2706	2665	2641	2620	2598
5.0	2699	2660	2639	2620	2600
7.5	2690	2656	2637	2620	2602
10.0	2675	2641	2628	2615	2602
12.5	2652	2622	2615	2611	2598
15.0	2617	2592	2596	2600	2592
17.5	2579	2557	2572	2585	2579
20.0	2531	2518	2542	2566	2564
22.5	2478	2471	2508	2542	2546
25.0	2415	2420	2465	2514	2523
27.5	2346	2359	2422	2480	2493
30.0	2265	2288	2366	2439	2458
32.5	2185	2215	2308	2396	2415
35.0	2093	2133	2243	2344	2370
37.5	1998	2045	2172	2286	2321
40.0	1901	1955	2097	2228	2263
42.5	1792	1858	2017	2161	2202
45.0	1686	1757	1933	2088	2133
47.5	1576	1658	1847	2015	2060
50.0	1471	1557	1755	1936	1985
52.5	1364	1454	1662	1845	1899
55.0	1262	1355	1572	1759	1817
57.5	1159	1254	1475	1671	1725
60.0	1056	1153	1383	1576	1632
62.5	957	1054	1288	1486	1540
65.0	860	953	1196	1396	1452
67.5	759	856	1101	1303	1355
70.0	658	761	1007	1207	1260
72.5	570	675	920	1123	1172
75.0	480	591	837	1030	1090
77.5	391	510	753	951	1004
80.0	310	432	671	815	824
82.5	228	353	551	622	611
85.0	144	265	370	376	370
87.5	71	144	168	189	202
90.0	0	0	0	0	0

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	985.98	N.A.	11.30
0-30	2123.24	N.A.	24.20
0-40	3523.16	N.A.	40.20
0-60	6398.41	N.A.	73.00
0-80	8416.77	N.A.	96.00
0-90	8763.28	N.A.	100.00
10-90	8511.39	N.A.	97.10
20-40	2537.18	N.A.	29.00
20-50	4020.82	N.A.	45.90
40-70	4038.53	N.A.	46.10
60-80	2018.36	N.A.	23.00
70-80	855.08	N.A.	9.80
80-90	346.51	N.A.	4.00
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	8763.28	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	251.89
10-20	734.08
20-30	1137.26
30-40	1399.92
40-50	1483.63
50-60	1391.62
60-70	1163.27
70-80	855.08
80-90	346.51
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

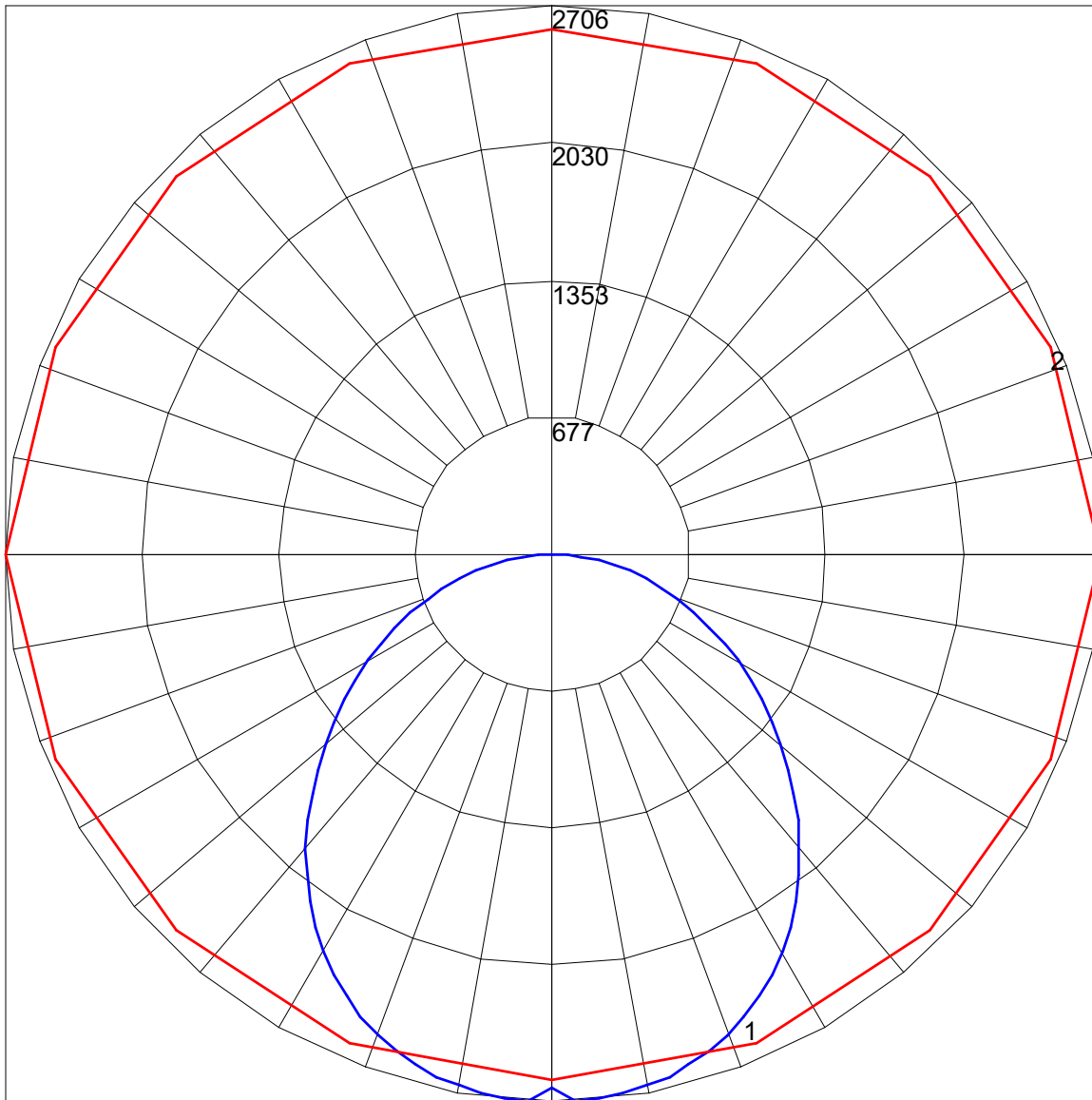
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	104	100	95	91	95	92	88	91	88	85	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	51	63	56	50	61	54	49	59	53	48	46
5	74	60	51	44	71	59	50	43	57	49	43	55	48	42	53	47	42	40
6	68	54	44	38	66	53	44	38	51	43	37	49	42	37	48	41	37	34
7	63	49	40	33	61	48	39	33	46	38	33	45	38	33	43	37	32	30
8	58	44	36	29	57	44	35	29	42	35	29	41	34	29	40	34	29	27
9	55	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	24	34	28	23	22

POLAR GRAPH



Maximum Candela = 2706 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.)