



IES INDOOR REPORT
PHOTOMETRIC FILENAME : LPASC24-LED-85L-40.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] LED-8787_scaled
[TESTLAB] LSI INDUSTRIES, INC
[ISSUEDATE] 05/07/19
[TESTDATE] 04/18/17
[MANUFAC] LSI INDUSTRIES, INC
[LUMCAT] LPASC24-LED-85L-40
[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	8536
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	122
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	3154	3617	3992
55	2913	3626	4192
65	2693	3745	4545
75	2451	4277	5574
85	2182	5611	5611

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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	2568	2568	2568	2568	2568
2.5	2635	2596	2573	2552	2531
5.0	2629	2591	2571	2552	2533
7.5	2621	2587	2568	2552	2535
10.0	2606	2573	2560	2547	2535
12.5	2583	2554	2547	2543	2531
15.0	2550	2524	2529	2533	2524
17.5	2512	2491	2506	2518	2512
20.0	2466	2453	2476	2499	2497
22.5	2413	2407	2443	2476	2480
25.0	2353	2357	2401	2449	2457
27.5	2286	2298	2359	2415	2428
30.0	2206	2229	2304	2376	2395
32.5	2128	2158	2248	2334	2353
35.0	2038	2078	2185	2284	2309
37.5	1946	1992	2116	2227	2260
40.0	1852	1904	2043	2170	2204
42.5	1745	1810	1965	2105	2145
45.0	1642	1712	1883	2034	2078
47.5	1536	1615	1800	1963	2007
50.0	1433	1517	1709	1885	1934
52.5	1328	1416	1619	1797	1850
55.0	1230	1320	1531	1714	1770
57.5	1129	1221	1437	1628	1680
60.0	1029	1123	1347	1536	1590
62.5	932	1027	1255	1448	1500
65.0	838	928	1165	1360	1414
67.5	740	834	1073	1270	1320
70.0	641	742	980	1175	1228
72.5	555	658	897	1094	1142
75.0	467	576	815	1003	1062
77.5	381	497	733	926	978
80.0	302	421	654	794	802
82.5	222	344	536	605	595
85.0	140	258	360	367	360
87.5	69	140	163	184	197
90.0	0	0	0	0	0

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	960.43	N.A.	11.30
0-30	2068.17	N.A.	24.20
0-40	3431.86	N.A.	40.20
0-60	6232.72	N.A.	73.00
0-80	8198.98	N.A.	96.00
0-90	8536.34	N.A.	100.00
10-90	8290.97	N.A.	97.10
20-40	2471.43	N.A.	29.00
20-50	3916.72	N.A.	45.90
40-70	3934.17	N.A.	46.10
60-80	1966.26	N.A.	23.00
70-80	832.95	N.A.	9.80
80-90	337.36	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	8536.34	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	245.37
10-20	715.06
20-30	1107.74
30-40	1363.69
40-50	1445.29
50-60	1355.57
60-70	1133.31
70-80	832.95
80-90	337.36
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

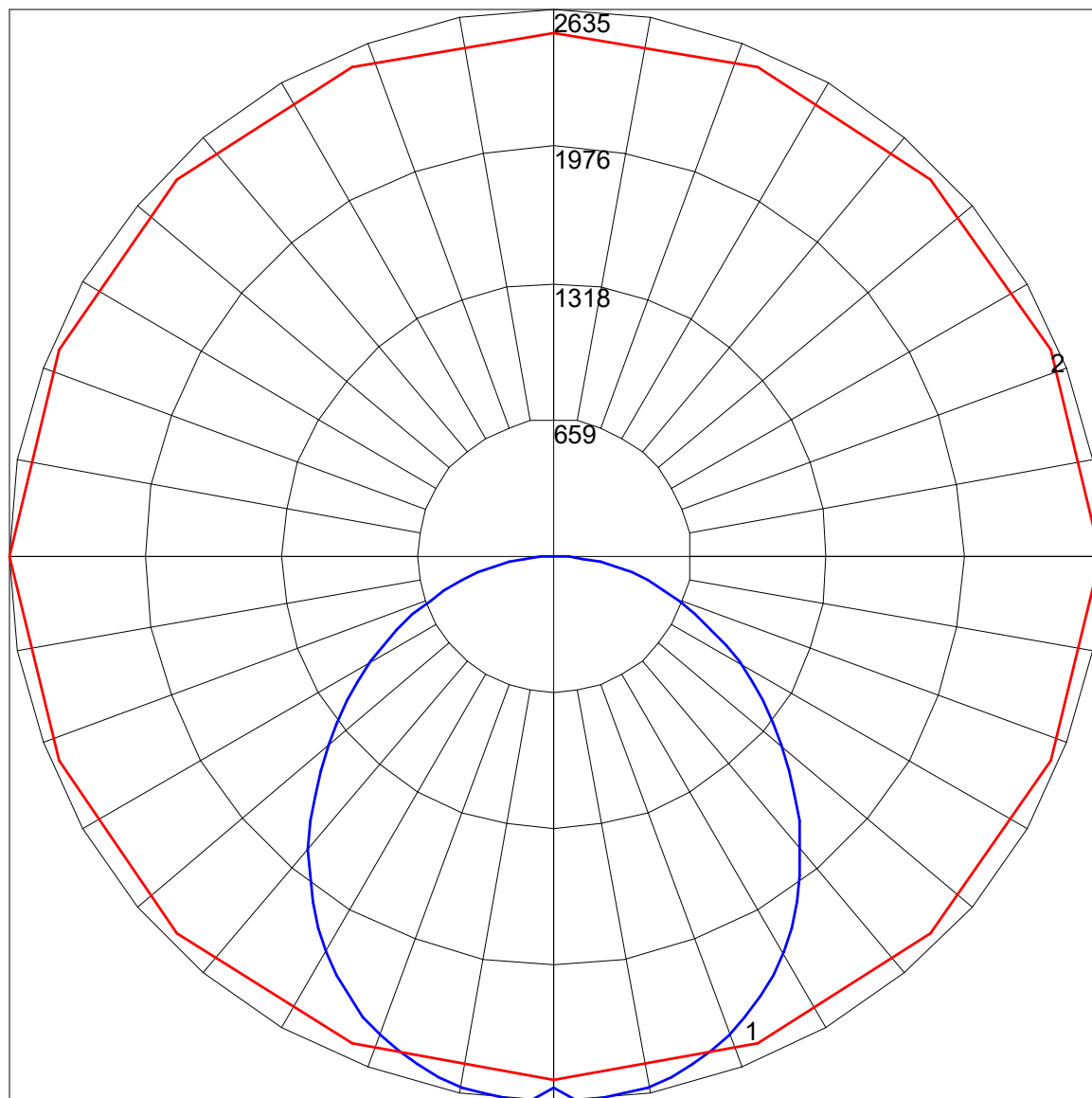
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 2635 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.)