



IES INDOOR REPORT

PHOTOMETRIC FILENAME : LPASC24-LED-85L-35.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-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_SOURCETYPE] LED

[SEARCH_APPLICATION] Indoor

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	8350
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	119
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	3085	3539	3905
55	2849	3548	4099
65	2636	3661	4445
75	2399	4183	5453
85	2135	5486	5486

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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	2512	2512	2512	2512	2512
2.5	2578	2539	2516	2496	2475
5.0	2572	2535	2514	2496	2477
7.5	2563	2531	2512	2496	2479
10.0	2549	2516	2504	2492	2479
12.5	2527	2498	2492	2488	2475
15.0	2494	2469	2473	2477	2469
17.5	2457	2436	2451	2463	2457
20.0	2412	2399	2422	2445	2443
22.5	2361	2354	2389	2422	2426
25.0	2301	2305	2348	2395	2404
27.5	2236	2248	2307	2363	2375
30.0	2158	2180	2254	2324	2342
32.5	2082	2111	2199	2283	2301
35.0	1994	2033	2137	2233	2258
37.5	1904	1949	2070	2178	2211
40.0	1811	1863	1998	2123	2156
42.5	1707	1770	1922	2059	2098
45.0	1606	1674	1842	1990	2033
47.5	1502	1580	1760	1920	1963
50.0	1402	1484	1672	1844	1891
52.5	1299	1385	1584	1758	1809
55.0	1203	1291	1498	1676	1731
57.5	1104	1195	1406	1592	1643
60.0	1006	1098	1318	1502	1555
62.5	912	1004	1227	1416	1467
65.0	820	908	1139	1330	1383
67.5	723	816	1049	1242	1291
70.0	627	725	959	1150	1201
72.5	543	643	877	1070	1117
75.0	457	563	797	982	1039
77.5	373	486	717	906	957
80.0	295	412	639	777	785
82.5	217	336	525	592	582
85.0	137	252	352	359	352
87.5	68	137	160	180	193
90.0	0	0	0	0	0

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	939.41	N.A.	11.30
0-30	2022.91	N.A.	24.20
0-40	3356.81	N.A.	40.20
0-60	6096.43	N.A.	73.00
0-80	8019.53	N.A.	96.00
0-90	8349.57	N.A.	100.00
10-90	8109.58	N.A.	97.10
20-40	2417.41	N.A.	29.00
20-50	3831.08	N.A.	45.90
40-70	3847.96	N.A.	46.10
60-80	1923.09	N.A.	23.00
70-80	814.75	N.A.	9.80
80-90	330.05	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	8349.57	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	239.99
10-20	699.41
20-30	1083.5
30-40	1333.91
40-50	1413.67
50-60	1325.95
60-70	1108.34
70-80	814.75
80-90	330.05
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

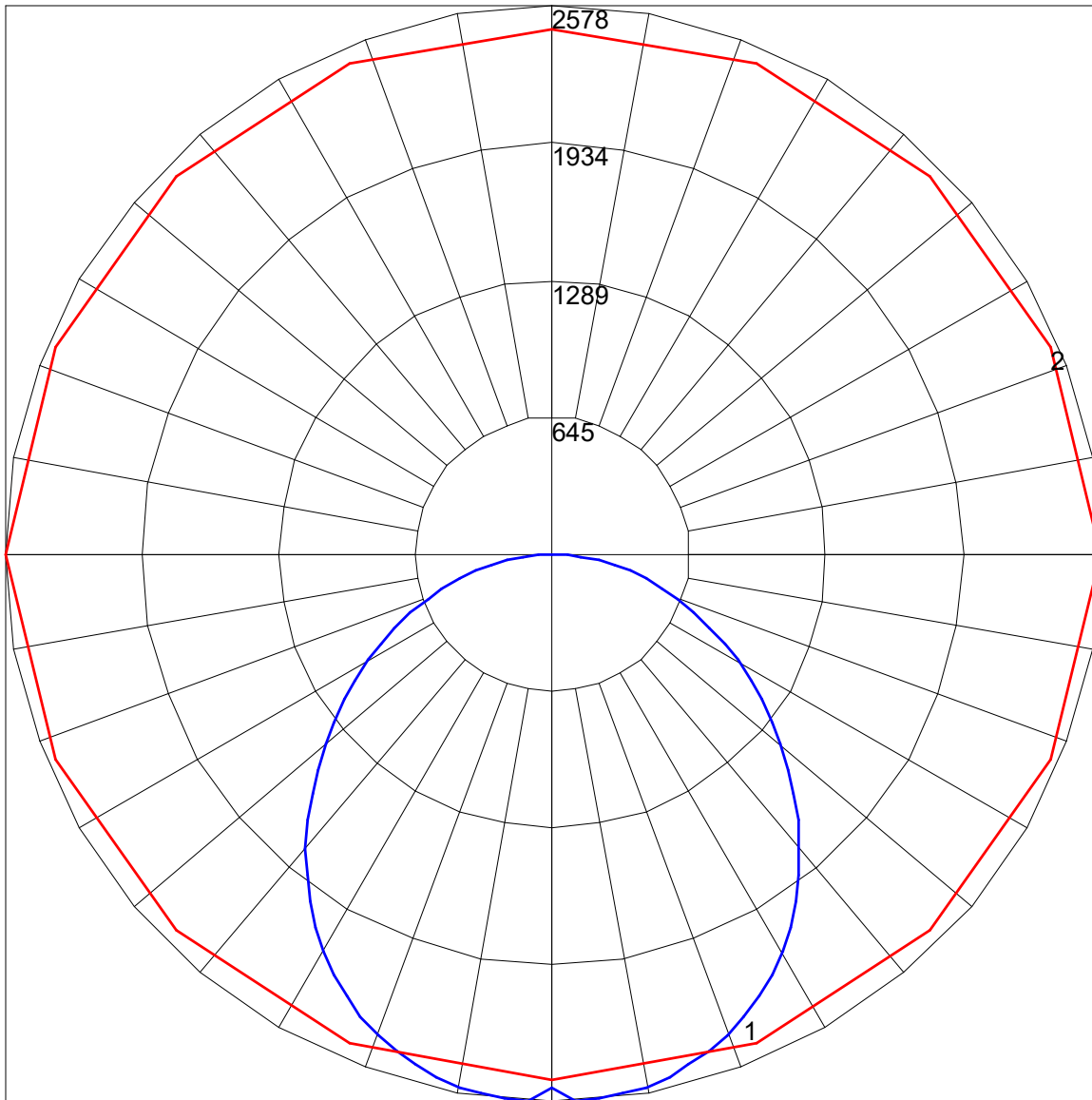
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	50	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	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	24	34	28	23	22

POLAR GRAPH



Maximum Candela = 2578 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.)