



IES INDOOR REPORT

PHOTOMETRIC FILENAME : LPASC24-LED-85L-30.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-30

[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	7961
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	114
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)	1.46
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	2943	3375	3723
55	2716	3382	3910
65	2514	3491	4240
75	2288	3989	5201
85	2042	5237	5237

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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	2395	2395	2395	2395	2395
2.5	2458	2421	2399	2380	2360
5.0	2452	2417	2397	2380	2362
7.5	2444	2413	2395	2380	2364
10.0	2431	2399	2388	2376	2364
12.5	2409	2382	2376	2372	2360
15.0	2378	2354	2358	2362	2354
17.5	2343	2323	2337	2349	2343
20.0	2300	2288	2309	2331	2329
22.5	2251	2245	2278	2309	2313
25.0	2194	2198	2239	2284	2292
27.5	2132	2143	2200	2253	2265
30.0	2057	2079	2149	2216	2233
32.5	1985	2012	2096	2177	2194
35.0	1901	1938	2038	2130	2153
37.5	1815	1858	1973	2077	2108
40.0	1727	1776	1905	2024	2055
42.5	1628	1688	1833	1964	2001
45.0	1532	1596	1757	1897	1938
47.5	1432	1506	1678	1831	1872
50.0	1336	1415	1594	1758	1803
52.5	1239	1321	1510	1676	1725
55.0	1147	1231	1428	1598	1651
57.5	1053	1139	1340	1518	1567
60.0	959	1047	1256	1432	1483
62.5	869	957	1170	1350	1399
65.0	782	866	1086	1268	1319
67.5	690	778	1000	1184	1231
70.0	598	692	914	1096	1145
72.5	518	614	836	1020	1065
75.0	436	537	760	936	991
77.5	356	463	684	864	912
80.0	281	393	610	741	748
82.5	207	320	500	565	555
85.0	131	240	336	342	336
87.5	64	131	152	172	184
90.0	0	0	0	0	0

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	895.74	N.A.	11.30
0-30	1928.87	N.A.	24.20
0-40	3200.64	N.A.	40.20
0-60	5812.81	N.A.	73.00
0-80	7646.47	N.A.	96.00
0-90	7961.16	N.A.	100.00
10-90	7732.32	N.A.	97.10
20-40	2304.9	N.A.	29.00
20-50	3652.87	N.A.	45.90
40-70	3668.91	N.A.	46.10
60-80	1833.66	N.A.	23.00
70-80	776.92	N.A.	9.80
80-90	314.69	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	7961.16	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	228.83
10-20	666.90
20-30	1033.13
30-40	1271.77
40-50	1347.97
50-60	1264.2
60-70	1056.74
70-80	776.92
80-90	314.69
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

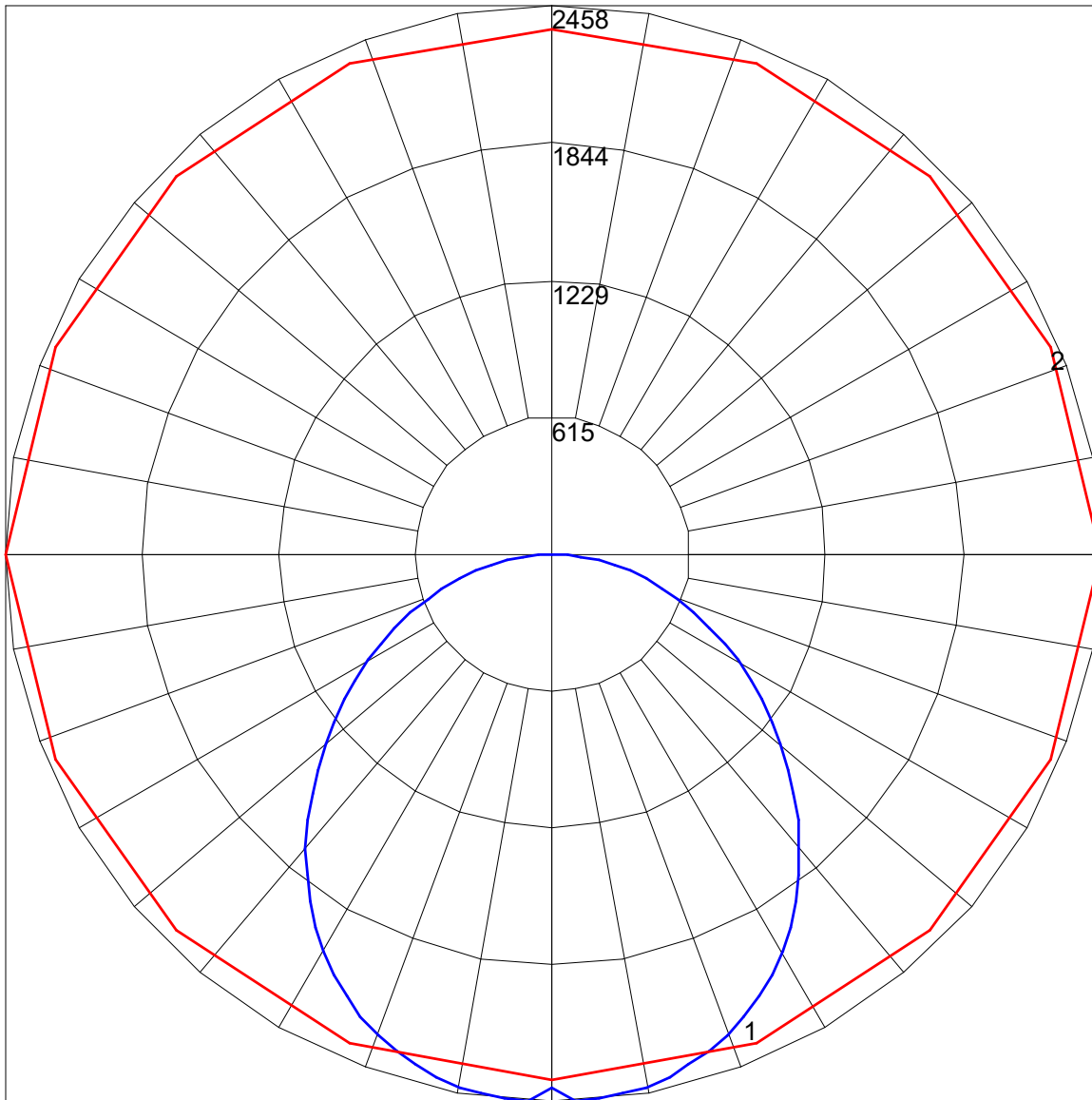
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	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 = 2458 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.)