



IES INDOOR REPORT

PHOTOMETRIC FILENAME : LPASC24-LED-90L-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-90L-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	8405
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	112
Total Luminaire Watts	75
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	3106	3562	3930
55	2868	3571	4128
65	2652	3687	4474
75	2414	4209	5490
85	2151	5533	5533

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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	2529	2529	2529	2529	2529
2.5	2595	2556	2533	2513	2492
5.0	2589	2552	2531	2513	2494
7.5	2581	2548	2529	2513	2496
10.0	2566	2533	2521	2508	2496
12.5	2543	2515	2508	2504	2492
15.0	2510	2486	2490	2494	2486
17.5	2473	2453	2467	2480	2473
20.0	2428	2416	2438	2461	2459
22.5	2376	2370	2405	2438	2442
25.0	2317	2321	2364	2411	2420
27.5	2251	2263	2323	2378	2391
30.0	2172	2195	2269	2339	2358
32.5	2096	2125	2213	2298	2317
35.0	2007	2046	2152	2248	2273
37.5	1916	1962	2083	2193	2226
40.0	1824	1875	2011	2137	2170
42.5	1718	1782	1935	2073	2112
45.0	1617	1685	1854	2003	2046
47.5	1512	1590	1772	1933	1976
50.0	1411	1493	1683	1857	1904
52.5	1308	1394	1595	1770	1821
55.0	1211	1300	1508	1687	1743
57.5	1112	1203	1415	1603	1654
60.0	1013	1106	1326	1512	1566
62.5	918	1011	1236	1425	1477
65.0	825	914	1147	1339	1392
67.5	728	821	1056	1250	1300
70.0	631	730	965	1157	1209
72.5	547	648	883	1077	1124
75.0	460	567	802	988	1046
77.5	375	489	722	912	963
80.0	297	415	644	782	790
82.5	219	338	528	596	586
85.0	138	254	355	361	355
87.5	68	138	161	182	194
90.0	0	0	0	0	0

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	945.72	N.A.	11.30
0-30	2036.48	N.A.	24.20
0-40	3379.23	N.A.	40.20
0-60	6137.15	N.A.	73.00
0-80	8073.04	N.A.	96.00
0-90	8405.38	N.A.	100.00
10-90	8163.76	N.A.	97.10
20-40	2433.51	N.A.	29.00
20-50	3856.56	N.A.	45.90
40-70	3873.66	N.A.	46.10
60-80	1935.88	N.A.	23.00
70-80	820.15	N.A.	9.80
80-90	332.34	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	8405.38	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	241.62
10-20	704.10
20-30	1090.76
30-40	1342.75
40-50	1423.05
50-60	1334.87
60-70	1115.74
70-80	820.15
80-90	332.34
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

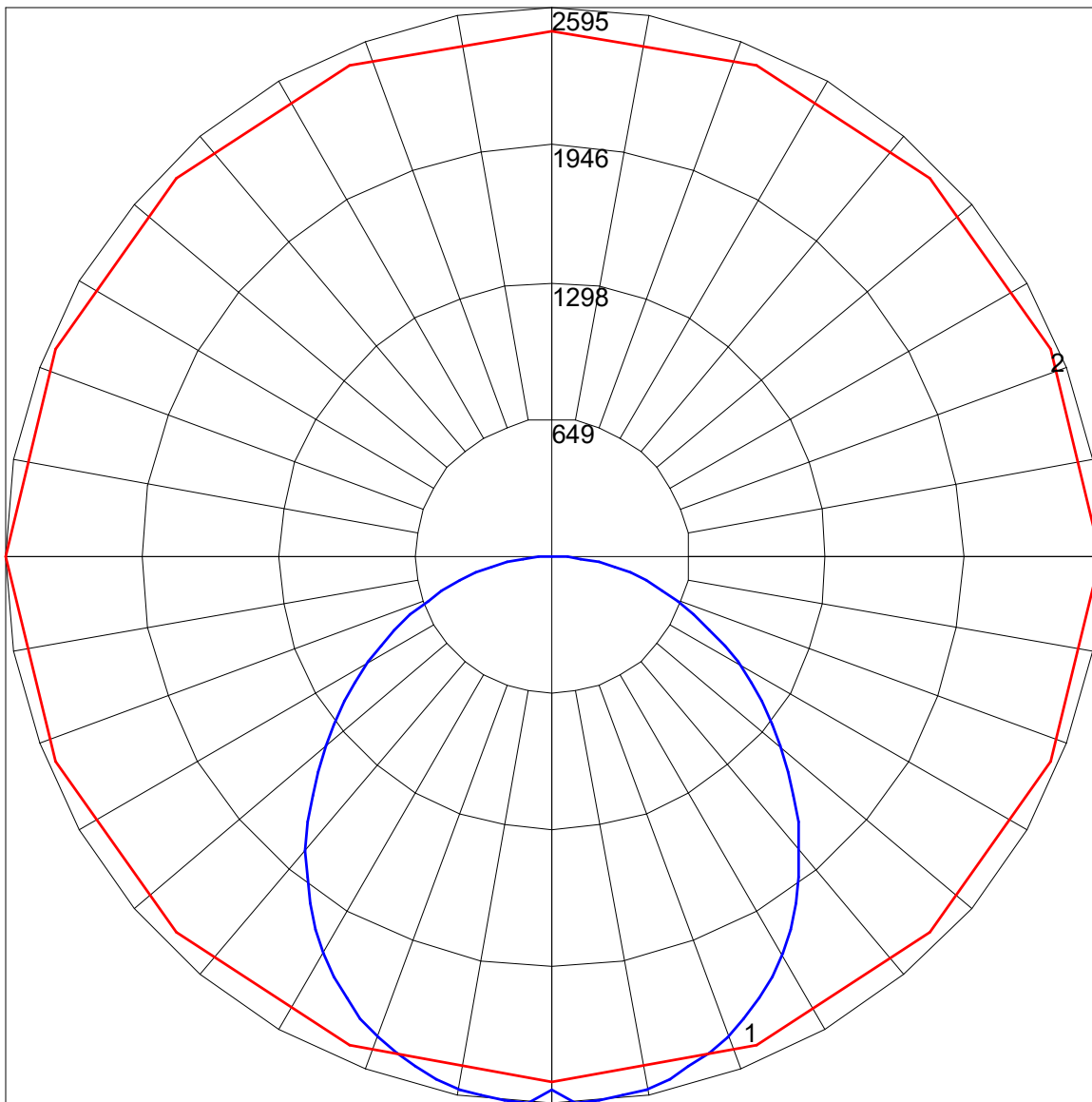
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 2595 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.)