



IES INDOOR REPORT

PHOTOMETRIC FILENAME : LPASC22-LED-70L-40.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] LED-8808_scaled

[TESTLAB] LSI INDUSTRIES, INC

[ISSUEDATE] 05/07/19

[TESTDATE] 04/21/17

[MANUFAC] LSI INDUSTRIES, INC

[LUMCAT] LPASC22-LED-70L-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	7026
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	119
Total Luminaire Watts	59
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.26
Spacing Criterion (90-270)	1.44
Spacing Criterion (Diagonal)	1.46
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	1.98 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	4981	5921	6833
55	4628	5997	7428
65	4300	6327	8354
75	3914	7234	10862
85	3181	8253	9733

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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	2066	2066	2066	2066	2066
2.5	2113	2096	2069	2042	2032
5.0	2109	2093	2069	2046	2036
7.5	2103	2086	2066	2049	2039
10.0	2086	2076	2062	2049	2046
12.5	2066	2056	2052	2049	2046
15.0	2036	2032	2039	2046	2049
17.5	2002	2002	2022	2039	2049
20.0	1962	1968	2002	2032	2042
22.5	1911	1928	1975	2019	2032
25.0	1861	1884	1945	2002	2022
27.5	1804	1831	1908	1978	2005
30.0	1737	1774	1868	1955	1985
32.5	1666	1713	1821	1918	1958
35.0	1592	1646	1763	1881	1928
37.5	1518	1579	1710	1841	1891
40.0	1438	1505	1649	1794	1851
42.5	1360	1434	1589	1747	1807
45.0	1283	1360	1525	1696	1760
47.5	1203	1283	1458	1639	1713
50.0	1122	1206	1391	1585	1663
52.5	1041	1125	1323	1528	1609
55.0	967	1048	1253	1471	1552
57.5	883	971	1182	1407	1491
60.0	810	897	1112	1340	1431
62.5	732	820	1041	1273	1360
65.0	662	746	974	1199	1286
67.5	588	675	900	1129	1219
70.0	514	601	826	1058	1169
72.5	440	527	752	998	1122
75.0	369	457	682	917	1024
77.5	296	390	615	840	944
80.0	228	319	531	695	726
82.5	165	249	413	494	514
85.0	101	165	262	296	309
87.5	47	67	114	148	171
90.0	0	0	0	0	0

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	773.85	N.A.	11.00
0-30	1669.34	N.A.	23.80
0-40	2772.87	N.A.	39.50
0-60	5074.88	N.A.	72.20
0-80	6762.33	N.A.	96.30
0-90	7025.72	N.A.	100.00
10-90	6828.35	N.A.	97.20
20-40	1999.02	N.A.	28.50
20-50	3176.26	N.A.	45.20
40-70	3266.67	N.A.	46.50
60-80	1687.44	N.A.	24.00
70-80	722.78	N.A.	10.30
80-90	263.40	N.A.	3.70
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	7025.72	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	197.37
10-20	576.48
20-30	895.49
30-40	1103.53
40-50	1177.24
50-60	1124.77
60-70	964.66
70-80	722.78
80-90	263.40
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

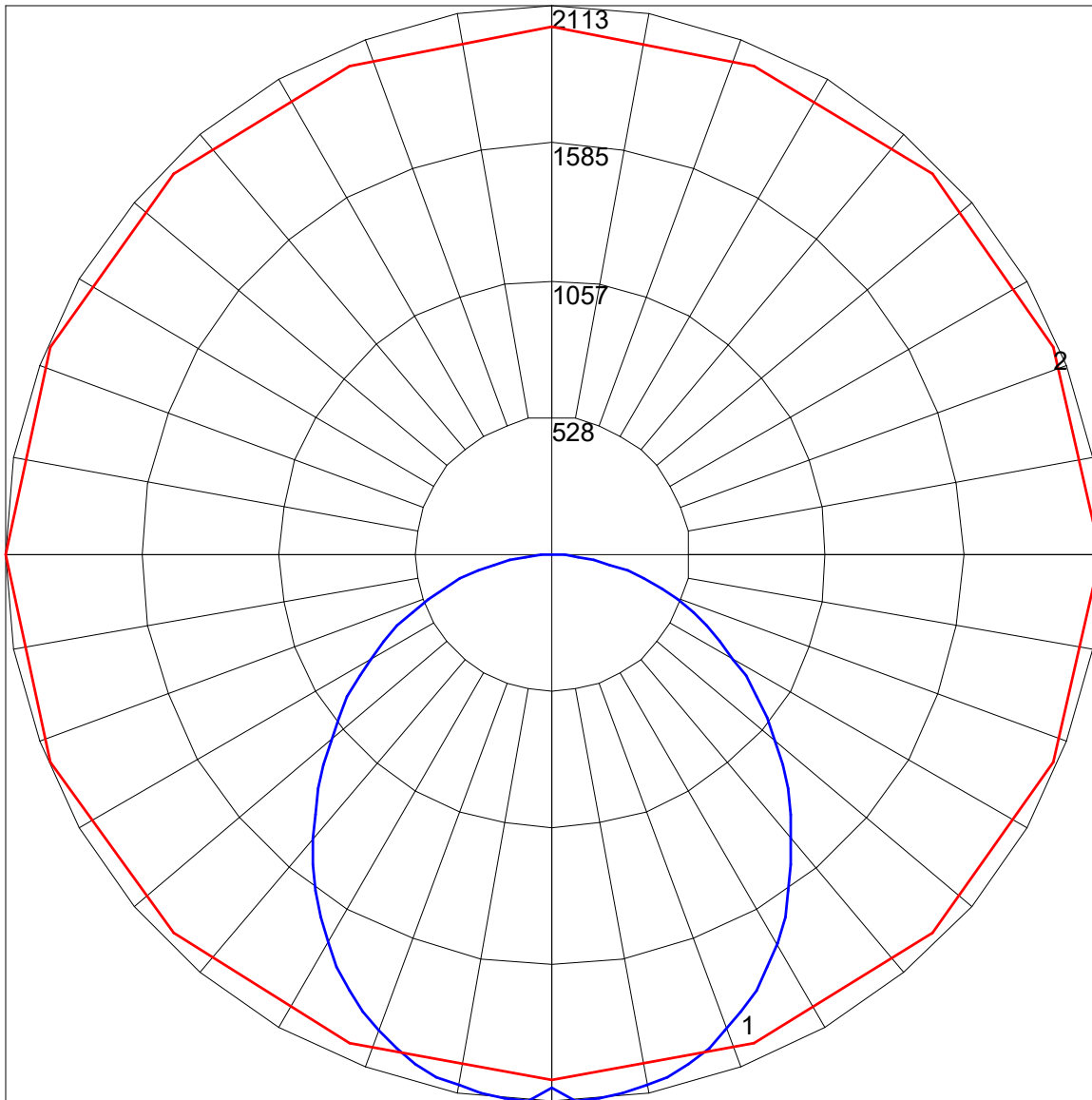
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	92	104	99	95	91	95	91	88	91	88	85	87	85	83	81
2	97	87	80	74	94	86	79	73	82	76	71	79	74	69	75	71	68	65
3	88	76	67	60	85	74	66	60	71	64	59	69	63	57	66	61	56	54
4	80	67	58	50	77	66	57	50	63	55	49	61	54	49	58	53	48	46
5	73	60	50	43	71	58	49	43	56	48	42	54	47	42	52	46	41	39
6	67	53	44	37	65	52	44	37	51	43	37	49	42	36	47	41	36	34
7	62	48	39	33	61	47	39	33	46	38	32	44	37	32	43	37	32	30
8	58	44	35	29	56	43	35	29	42	34	29	41	34	29	39	33	28	26
9	54	40	32	26	53	40	32	26	39	31	26	37	31	26	36	30	26	24
10	51	37	29	24	49	37	29	23	36	28	23	35	28	23	34	28	23	21

POLAR GRAPH



Maximum Candela = 2113 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.)