



IES INDOOR REPORT

PHOTOMETRIC FILENAME : LPASC22-LED-70L-50.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] LED-8808_scaled

[TESTLAB] LSI INDUSTRIES, INC

[ISSUE DATE] 05/07/19

[TEST DATE] 04/21/17

[MANUFAC] LSI INDUSTRIES, INC

[LUMCAT] LPASC22-LED-70L-50

[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	7282
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	123
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	5164	6138	7082
55	4801	6218	7696
65	4456	6561	8659
75	4063	7499	11265
85	3276	8568	10080

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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	2141	2141	2141	2141	2141
2.5	2190	2172	2145	2117	2106
5.0	2186	2169	2145	2120	2110
7.5	2179	2162	2141	2124	2113
10.0	2162	2151	2138	2124	2120
12.5	2141	2131	2127	2124	2120
15.0	2110	2106	2113	2120	2124
17.5	2075	2075	2096	2113	2124
20.0	2033	2040	2075	2106	2117
22.5	1981	1998	2047	2092	2106
25.0	1929	1953	2016	2075	2096
27.5	1869	1897	1977	2051	2078
30.0	1800	1838	1936	2026	2057
32.5	1727	1775	1887	1988	2030
35.0	1650	1706	1828	1950	1998
37.5	1574	1636	1772	1908	1960
40.0	1490	1560	1709	1859	1918
42.5	1410	1487	1647	1810	1873
45.0	1330	1410	1581	1758	1824
47.5	1246	1330	1511	1699	1775
50.0	1163	1250	1441	1643	1723
52.5	1079	1166	1372	1584	1668
55.0	1003	1086	1299	1525	1608
57.5	916	1006	1225	1459	1546
60.0	839	930	1152	1389	1483
62.5	759	849	1079	1319	1410
65.0	686	773	1010	1243	1333
67.5	609	700	933	1170	1264
70.0	533	623	856	1097	1212
72.5	456	547	780	1034	1163
75.0	383	473	707	950	1062
77.5	306	404	637	870	978
80.0	237	331	550	721	752
82.5	171	258	428	512	533
85.0	104	171	272	306	320
87.5	49	70	118	153	178
90.0	0	0	0	0	0

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	802.05	N.A.	11.00
0-30	1730.13	N.A.	23.80
0-40	2873.85	N.A.	39.50
0-60	5259.92	N.A.	72.20
0-80	7008.87	N.A.	96.30
0-90	7281.88	N.A.	100.00
10-90	7077.32	N.A.	97.20
20-40	2071.81	N.A.	28.50
20-50	3291.98	N.A.	45.20
40-70	3385.92	N.A.	46.50
60-80	1748.95	N.A.	24.00
70-80	749.10	N.A.	10.30
80-90	273.00	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	7281.88	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	204.56
10-20	597.49
20-30	928.09
30-40	1143.72
40-50	1220.17
50-60	1165.9
60-70	999.85
70-80	749.10
80-90	273.00
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

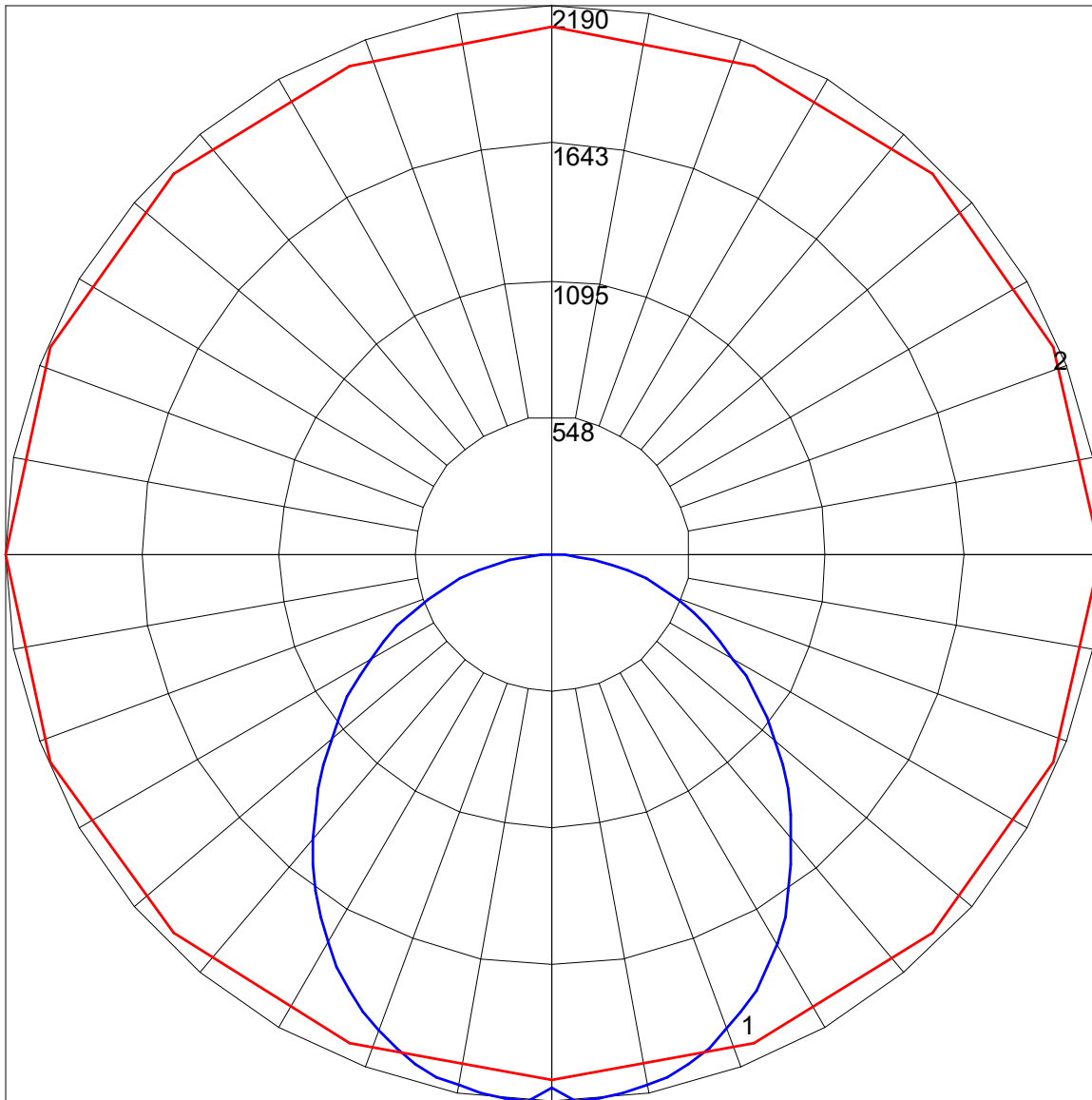
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 2190 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.)