



IES INDOOR REPORT

PHOTOMETRIC FILENAME : LPASC22-LED-39L-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-39L-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	4050
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	123
Total Luminaire Watts	33
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	2873	3413	3941
55	2671	3456	4284
65	2475	3651	4820
75	2259	4169	6269
85	1827	4756	5607

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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	1191	1191	1191	1191	1191
2.5	1218	1208	1193	1177	1172
5.0	1216	1206	1193	1179	1173
7.5	1212	1203	1191	1181	1175
10.0	1203	1197	1189	1181	1179
12.5	1191	1185	1183	1181	1179
15.0	1173	1172	1175	1179	1181
17.5	1154	1154	1166	1175	1181
20.0	1131	1135	1154	1172	1177
22.5	1102	1112	1139	1164	1172
25.0	1073	1086	1121	1154	1166
27.5	1040	1055	1100	1141	1156
30.0	1001	1022	1077	1127	1144
32.5	960	988	1050	1106	1129
35.0	918	949	1017	1084	1112
37.5	875	910	986	1061	1090
40.0	829	868	951	1034	1067
42.5	784	827	916	1007	1042
45.0	740	784	879	978	1015
47.5	693	740	840	945	988
50.0	647	695	802	914	959
52.5	600	649	763	881	928
55.0	558	604	722	848	895
57.5	509	560	682	811	860
60.0	467	517	641	773	825
62.5	422	472	600	734	784
65.0	381	430	562	691	742
67.5	339	389	519	651	703
70.0	296	347	476	610	674
72.5	254	304	434	575	647
75.0	213	263	393	529	591
77.5	170	225	354	484	544
80.0	132	184	306	401	418
82.5	95	143	238	285	296
85.0	58	95	151	170	178
87.5	27	39	66	85	99
90.0	0	0	0	0	0

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	446.08	N.A.	11.00
0-30	962.36	N.A.	23.80
0-40	1598.57	N.A.	39.50
0-60	2925.83	N.A.	72.20
0-80	3898.64	N.A.	96.30
0-90	4050.42	N.A.	100.00
10-90	3936.64	N.A.	97.20
20-40	1152.48	N.A.	28.50
20-50	1831.2	N.A.	45.20
40-70	1883.39	N.A.	46.50
60-80	972.81	N.A.	24.00
70-80	416.68	N.A.	10.30
80-90	151.78	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	4050.42	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	113.77
10-20	332.31
20-30	516.28
30-40	636.21
40-50	678.72
50-60	648.54
60-70	556.13
70-80	416.68
80-90	151.78
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

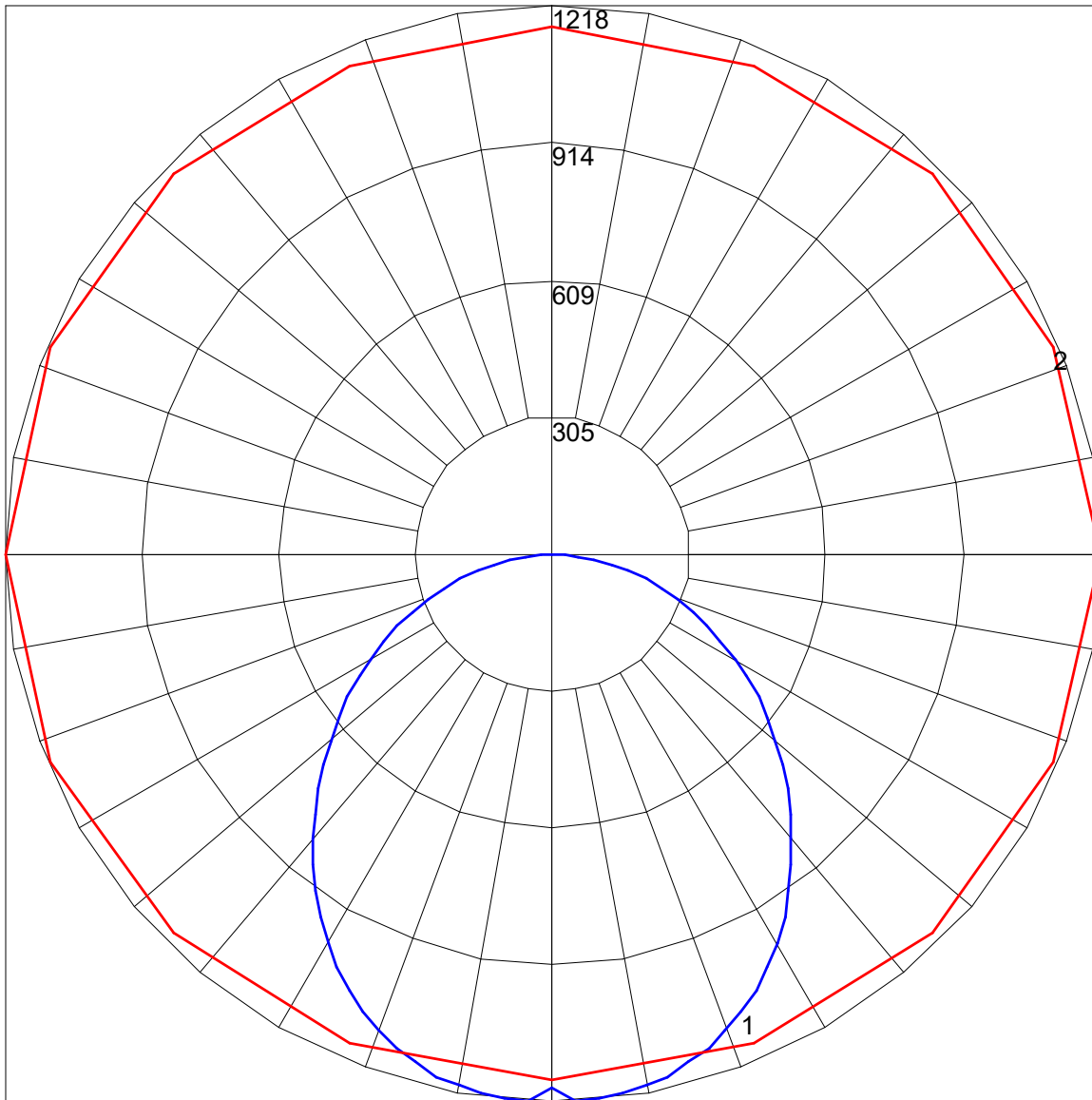
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	99	95	91	95	91	88	91	88	85	87	85	83	81
2	97	88	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 = 1218 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.)