



IES INDOOR REPORT

PHOTOMETRIC FILENAME : LPASC22-LED-20L-50.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST]LED-9033R Report: LSI-PH0405

[TESTLAB]LSI INDUSTRIES, INC

[ISSUE DATE]06/20/17

[TEST DATE]06/20/17

[MANUFACT]LSI INDUSTRIES, INC

[LUMCAT]LPASC22-LED-20L-50

[_ABSOLUTE]NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.

[OTHER]TEST PROCEDURE: IESNA LM-79-08

[_SEARCH_SOURCETYPE] LED

[_SEARCH_APPLICATION] Indoor

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2231
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	117
Total Luminaire Watts	19.1
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)	2.00 ft
Luminous Width (90-270)	2.00 ft
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	1555	1844	2129
55	1439	1865	2306
65	1336	1959	2602
75	1205	2233	3355
85	987	2529	3023

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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	659	659	659	659	659
2.5	674	669	660	652	648
5.0	673	668	660	652	650
7.5	670	665	659	653	650
10.0	665	661	657	653	651
12.5	658	655	654	653	652
15.0	648	648	650	651	652
17.5	638	638	644	650	652
20.0	624	627	638	647	651
22.5	609	614	629	643	648
25.0	592	600	619	637	643
27.5	573	584	607	630	638
30.0	553	565	594	621	631
32.5	531	546	579	610	623
35.0	508	525	562	598	613
37.5	483	503	544	585	601
40.0	459	480	525	570	588
42.5	433	456	504	555	574
45.0	409	433	485	539	560
47.5	382	407	464	522	544
50.0	357	382	442	504	528
52.5	331	357	420	485	511
55.0	307	333	398	467	492
57.5	282	309	376	446	474
60.0	258	285	354	426	453
62.5	234	261	331	404	432
65.0	210	237	308	381	409
67.5	186	214	286	358	387
70.0	162	190	262	335	365
72.5	139	167	238	318	359
75.0	116	146	215	290	323
77.5	94	124	193	265	296
80.0	72	102	168	209	222
82.5	52	80	127	155	161
85.0	32	51	82	94	98
87.5	14	20	36	49	54
90.0	0	0	0	0	0

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	246.58	N.A.	11.10
0-30	531.66	N.A.	23.80
0-40	882.88	N.A.	39.60
0-60	1614.44	N.A.	72.40
0-80	2148.83	N.A.	96.30
0-90	2231.31	N.A.	100.00
10-90	2168.38	N.A.	97.20
20-40	636.30	N.A.	28.50
20-50	1010.58	N.A.	45.30
40-70	1037.72	N.A.	46.50
60-80	534.40	N.A.	24.00
70-80	228.23	N.A.	10.20
80-90	82.47	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	2231.31	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	62.93
10-20	183.65
20-30	285.08
30-40	351.22
40-50	374.28
50-60	357.28
60-70	306.17
70-80	228.23
80-90	82.47
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

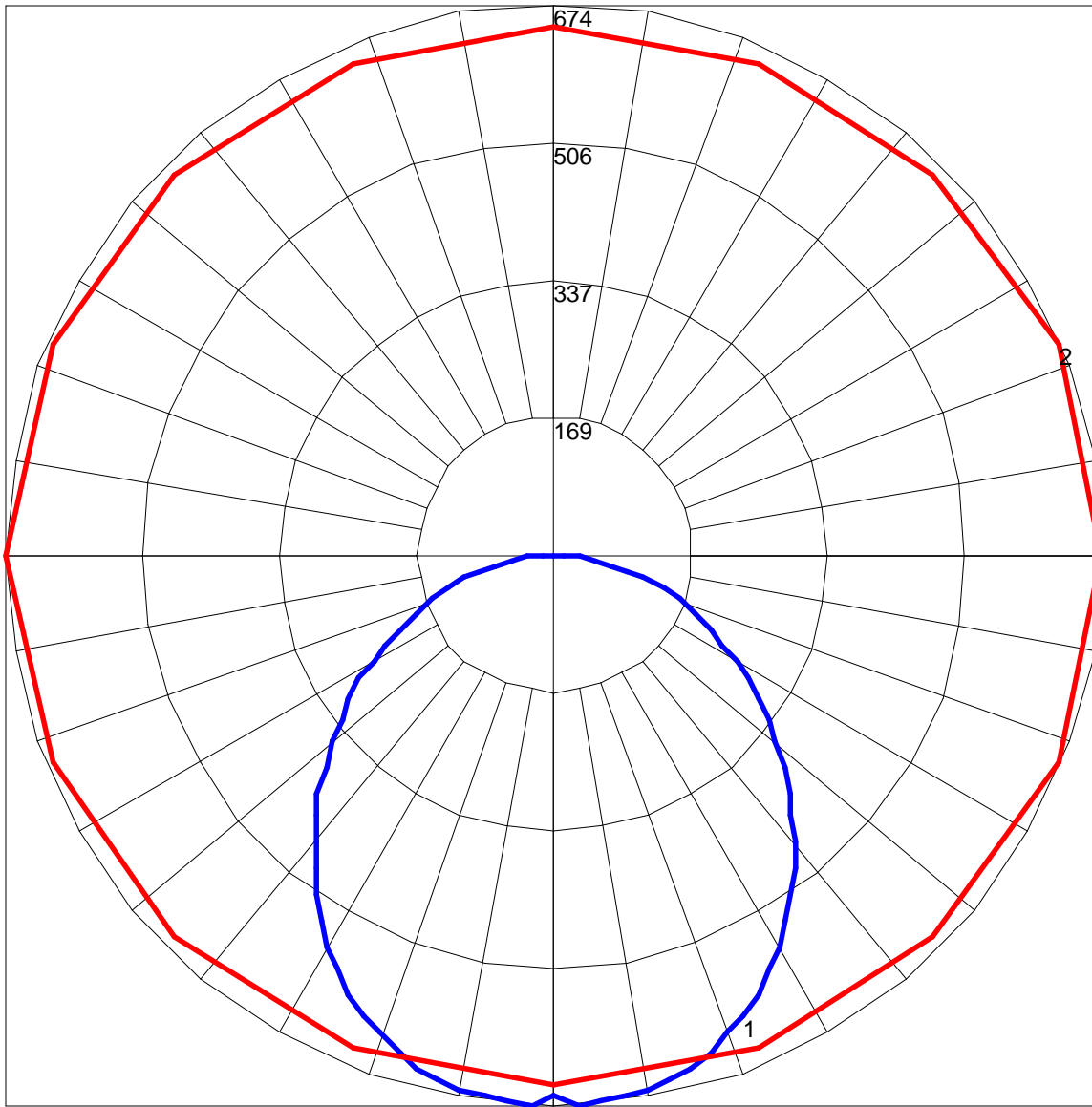
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	91	88	91	88	85	88	85	83	81
2	97	88	80	74	94	86	79	73	82	76	71	79	74	69	76	71	68	66
3	88	76	67	60	85	75	66	60	71	64	59	69	63	58	66	61	57	54
4	80	67	58	50	78	66	57	50	63	55	49	61	54	49	58	53	48	46
5	73	60	50	43	71	58	50	43	56	48	42	54	47	42	52	46	41	39
6	68	54	44	37	66	53	44	37	51	43	37	49	42	36	47	41	36	34
7	63	48	39	33	61	48	39	33	46	38	32	44	37	32	43	37	32	30
8	58	44	35	29	57	43	35	29	42	34	29	41	34	29	40	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	50	37	29	24	36	28	23	35	28	23	34	28	23	21

POLAR GRAPH



Maximum Candela = 674 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.)