



IES INDOOR REPORT

PHOTOMETRIC FILENAME : LPASC22-LED-20L-35.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]LED-9005
[TESTLAB]LSI INDUSTRIES, INC
[ISSUE DATE]06/13/17
[TEST DATE]06/13/17
[MANUFACTURER]LSI INDUSTRIES, INC
[LUMEN CATEGORY]LPASC22-LED-20L-35
[ABSOLUTE]NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.
[OTHER]TEST PROCEDURE: IESNA LM-79-08
[SEARCH SOURCE TYPE] LED
[SEARCH APPLICATION] Indoor

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2134
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	110
Total Luminaire Watts	19.4
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.24
Spacing Criterion (90-270)	1.42
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	1498	1772	2034
55	1392	1795	2208
65	1298	1896	2475
75	1195	2181	3106
85	1049	2252	2128

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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	635	635	635	635	635
2.5	649	643	635	626	625
5.0	647	642	635	628	625
7.5	645	640	634	628	626
10.0	640	636	632	628	626
12.5	634	631	630	628	627
15.0	625	624	625	627	628
17.5	614	614	620	625	627
20.0	601	603	613	621	625
22.5	587	591	604	618	623
25.0	570	577	595	612	618
27.5	552	562	585	606	613
30.0	532	544	571	596	605
32.5	511	525	556	586	596
35.0	488	505	541	574	587
37.5	466	485	523	561	576
40.0	442	463	506	547	564
42.5	418	439	486	532	550
45.0	394	416	466	515	535
47.5	368	392	445	499	520
50.0	345	369	425	482	504
52.5	320	345	404	464	488
55.0	297	323	383	447	471
57.5	273	300	362	428	451
60.0	249	276	341	407	431
62.5	227	254	319	386	410
65.0	204	231	298	365	389
67.5	183	209	277	344	368
70.0	158	187	254	321	345
72.5	137	164	232	297	327
75.0	115	144	210	274	299
77.5	93	123	187	244	251
80.0	73	103	161	189	190
82.5	53	81	119	123	117
85.0	34	55	73	70	69
87.5	16	25	27	23	18
90.0	0	0	0	0	0

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	237.26	N.A.	11.10
0-30	511.41	N.A.	24.00
0-40	848.95	N.A.	39.80
0-60	1551.8	N.A.	72.70
0-80	2063.5	N.A.	96.70
0-90	2134.34	N.A.	100.00
10-90	2073.79	N.A.	97.20
20-40	611.68	N.A.	28.70
20-50	971.07	N.A.	45.50
40-70	997.75	N.A.	46.70
60-80	511.70	N.A.	24.00
70-80	216.80	N.A.	10.20
80-90	70.84	N.A.	3.30
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	2134.34	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	60.54
10-20	176.72
20-30	274.15
30-40	337.54
40-50	359.38
50-60	343.47
60-70	294.89
70-80	216.80
80-90	70.84
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

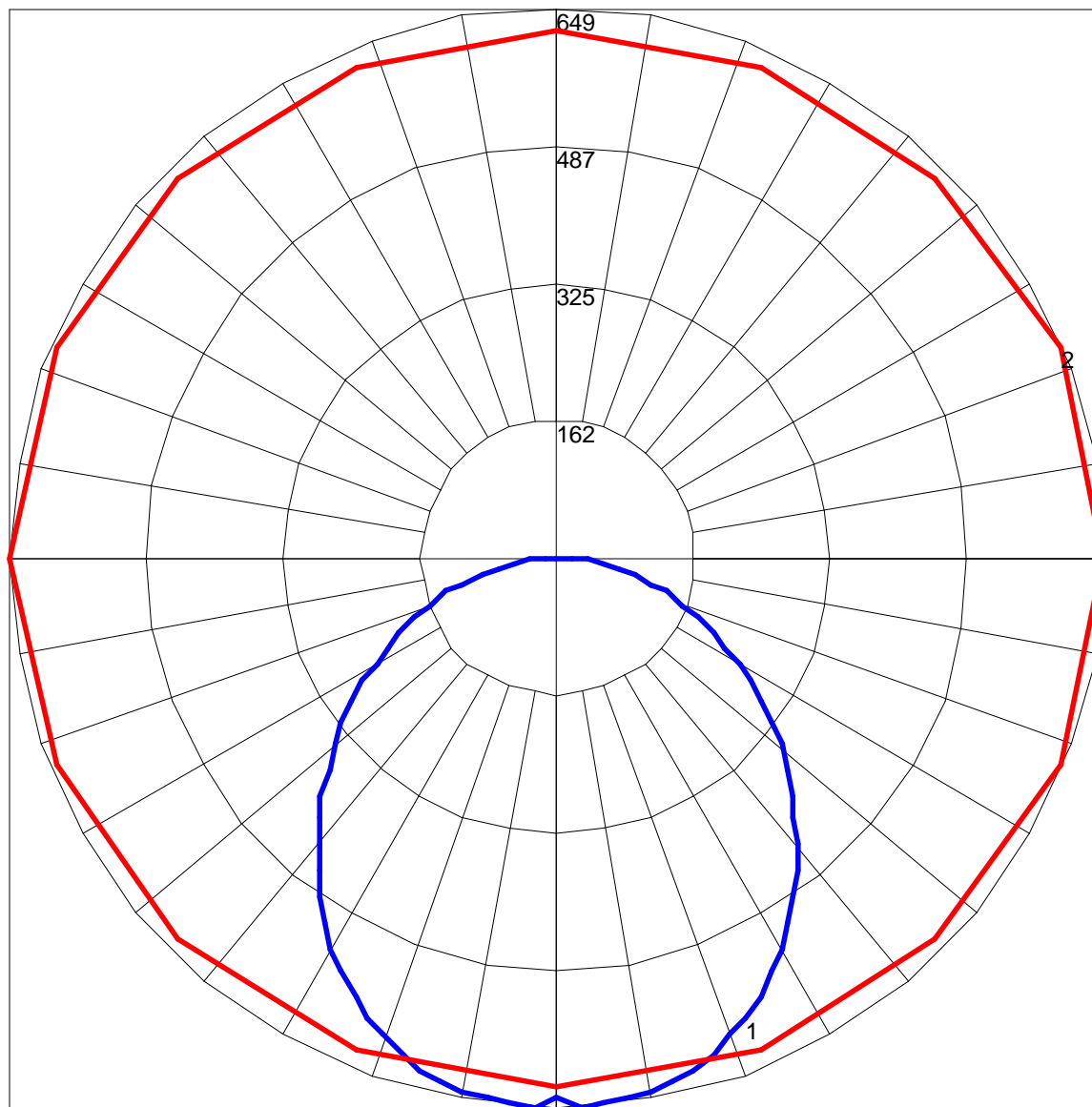
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	105	100	95	91	95	92	88	91	88	86	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	54
4	80	67	58	51	78	66	57	50	63	56	50	61	54	49	59	53	48	46
5	73	60	50	43	71	59	50	43	56	49	43	54	47	42	53	46	42	39
6	68	54	44	38	66	53	44	37	51	43	37	49	42	37	47	41	36	34
7	63	49	39	33	61	48	39	33	46	38	33	45	38	32	43	37	32	30
8	58	44	35	29	57	43	35	29	42	34	29	41	34	29	40	33	29	27
9	54	40	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	23	34	28	23	21

POLAR GRAPH



Maximum Candela = 649 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.)