



IES INDOOR REPORT
PHOTOMETRIC FILENAME : LPASC14-LED-20L-35.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]LED-8932
[TESTLAB]LSI INDUSTRIES, INC
[ISSUE DATE]05/24/17
[TEST DATE]05/24/17
[MANUFACTURER]LSI INDUSTRIES, INC
[LUMEN CATEGORY]LPASC14-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	1963
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	113
Total Luminaire Watts	17.3
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.28
Spacing Criterion (90-270)	1.38
Spacing Criterion (Diagonal)	1.44
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	4.00 ft
Luminous Width (90-270)	1.00 ft
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	1521	1715	1871
55	1401	1706	1945
65	1298	1730	1985
75	1184	1724	1610
85	1049	1450	1450

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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	620	620	620	620	620
2.5	632	624	619	615	612
5.0	632	624	620	615	612
7.5	630	623	620	615	613
10.0	628	620	618	614	612
12.5	622	615	614	612	609
15.0	616	610	609	609	608
17.5	606	602	603	605	604
20.0	594	591	595	599	599
22.5	582	580	586	594	594
25.0	568	568	577	586	589
27.5	551	553	566	578	580
30.0	534	538	554	569	573
32.5	514	520	539	557	562
35.0	492	500	523	545	551
37.5	470	480	507	531	538
40.0	448	460	489	516	523
42.5	425	438	471	501	508
45.0	400	415	451	483	492
47.5	374	391	430	465	474
50.0	349	366	408	445	455
52.5	325	342	386	425	436
55.0	299	319	364	404	415
57.5	275	294	341	381	392
60.0	251	271	318	357	367
62.5	228	248	296	334	342
65.0	204	225	272	307	312
67.5	182	201	249	277	279
70.0	157	179	222	242	237
72.5	135	156	195	201	194
75.0	114	136	166	163	155
77.5	93	115	133	125	118
80.0	73	95	102	93	90
82.5	53	72	72	68	68
85.0	34	47	47	47	47
87.5	18	23	23	24	25
90.0	0	0	0	0	0

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	231.36	N.A.	11.80
0-30	497.45	N.A.	25.30
0-40	824.41	N.A.	42.00
0-60	1492.92	N.A.	76.10
0-80	1912.94	N.A.	97.50
0-90	1962.69	N.A.	100.00
10-90	1903.54	N.A.	97.00
20-40	593.05	N.A.	30.20
20-50	939.09	N.A.	47.80
40-70	930.29	N.A.	47.40
60-80	420.02	N.A.	21.40
70-80	158.25	N.A.	8.10
80-90	49.75	N.A.	2.50
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	1962.69	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	59.14
10-20	172.21
20-30	266.10
30-40	326.96
40-50	346.04
50-60	322.47
60-70	261.77
70-80	158.25
80-90	49.75
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

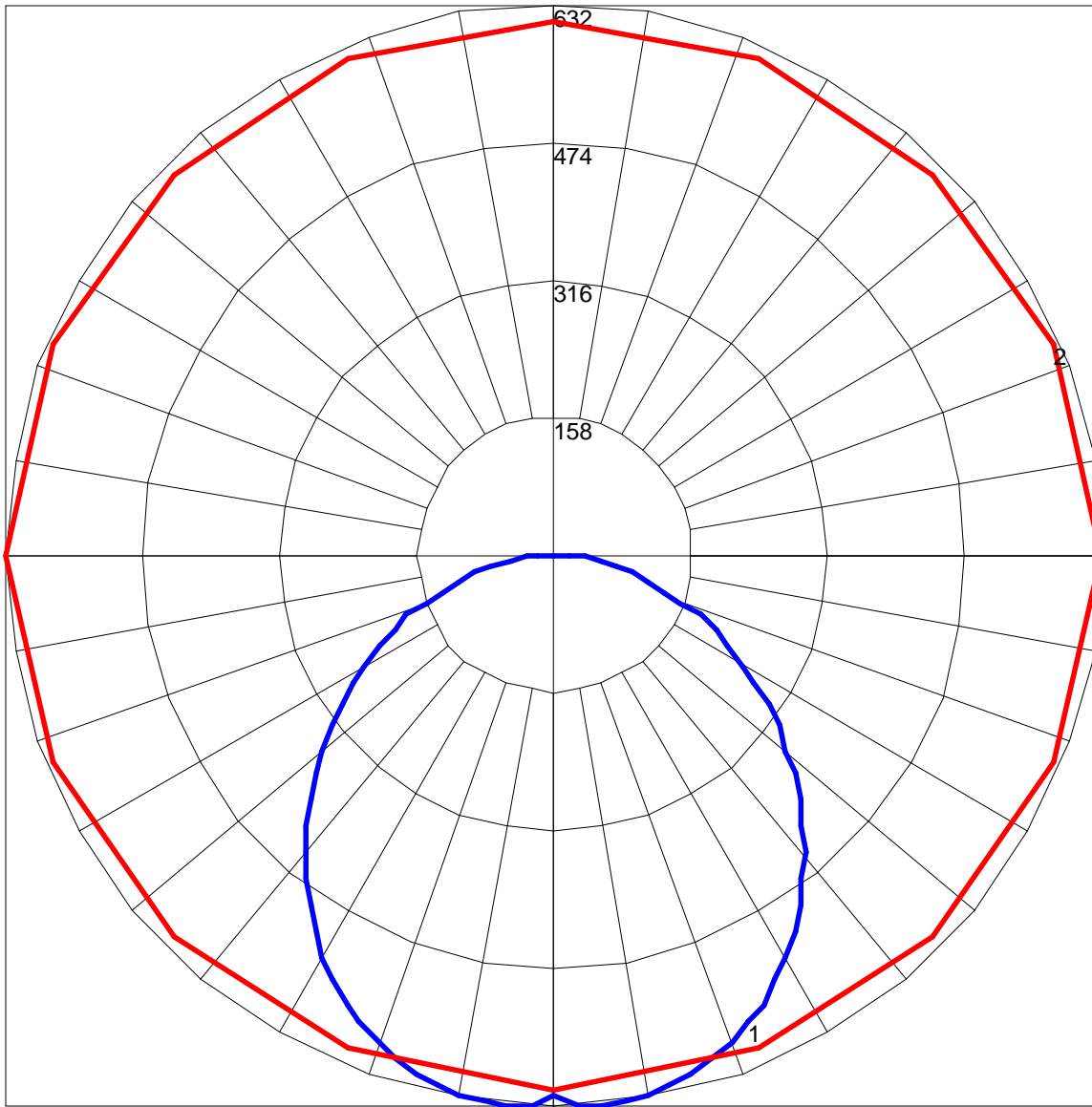
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	108	103	99	94	105	101	97	93	96	93	90	93	90	87	89	87	85	82
2	98	89	82	76	95	87	81	75	84	78	73	80	76	72	77	73	70	68
3	89	78	69	63	86	76	68	62	73	67	61	71	65	60	68	63	59	57
4	81	69	60	53	79	67	59	52	65	57	52	63	56	51	60	55	50	48
5	75	61	52	45	72	60	51	45	58	50	44	56	49	44	54	48	43	41
6	69	55	46	39	67	54	45	39	52	44	39	50	44	38	49	43	38	36
7	64	50	41	34	62	49	40	34	47	40	34	46	39	34	45	38	34	32
8	59	45	37	31	58	45	36	31	43	36	30	42	35	30	41	35	30	28
9	55	42	33	28	54	41	33	27	40	32	27	39	32	27	38	31	27	25
10	52	38	30	25	50	38	30	25	37	30	25	36	29	25	35	29	24	23

POLAR GRAPH



Maximum Candela = 632 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.)