



IES INDOOR REPORT
PHOTOMETRIC FILENAME : LPASC14-LED-20L-40.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]LED-8850
[TESTLAB]LSI INDUSTRIES, INC
[ISSUE DATE]04/28/17
[TEST DATE]04/28/17
[MANUFACTURER]LSI INDUSTRIES, INC
[LUMEN CATEGORY]LPASC14-LED-20L-40
[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	2018
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	124
Total Luminaire Watts	16.3
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	1566	1753	1905
55	1453	1744	1978
65	1349	1775	2036
75	1236	1766	1714
85	1141	1604	1789

IES INDOOR REPORT
PHOTOMETRIC FILENAME : LPASC14-LED-20L-40.IES

CANDELA TABULATION

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0.0	637	637	637	637	637
2.5	653	643	638	632	629
5.0	651	642	638	632	627
7.5	648	640	636	631	628
10.0	648	638	635	631	627
12.5	641	632	631	628	625
15.0	634	626	627	627	623
17.5	626	619	620	622	620
20.0	613	608	611	615	614
22.5	600	597	602	609	608
25.0	587	584	593	601	601
27.5	569	569	581	592	594
30.0	550	554	568	582	585
32.5	529	534	553	570	573
35.0	509	516	538	559	563
37.5	485	494	520	544	549
40.0	463	473	503	529	535
42.5	436	448	482	510	518
45.0	412	424	461	493	501
47.5	386	402	441	476	485
50.0	360	377	418	455	463
52.5	335	353	397	433	444
55.0	310	328	372	411	422
57.5	285	305	351	389	400
60.0	261	281	326	364	376
62.5	235	255	302	339	348
65.0	212	231	279	314	320
67.5	186	205	253	280	283
70.0	162	184	227	245	242
72.5	141	163	200	209	204
75.0	119	141	170	169	165
77.5	98	121	139	135	129
80.0	76	96	106	102	100
82.5	55	73	78	77	77
85.0	37	49	52	55	58
87.5	19	25	25	27	28
90.0	0	0	0	0	0

IES INDOOR REPORT
PHOTOMETRIC FILENAME : LPASC14-LED-20L-40.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	237.82	N.A.	11.80
0-30	511.10	N.A.	25.30
0-40	846.75	N.A.	42.00
0-60	1531.81	N.A.	75.90
0-80	1964.22	N.A.	97.30
0-90	2018.24	N.A.	100.00
10-90	1957.46	N.A.	97.00
20-40	608.93	N.A.	30.20
20-50	963.26	N.A.	47.70
40-70	952.62	N.A.	47.20
60-80	432.41	N.A.	21.40
70-80	164.85	N.A.	8.20
80-90	54.02	N.A.	2.70
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	2018.24	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	60.78
10-20	177.04
20-30	273.27
30-40	335.65
40-50	354.33
50-60	330.73
60-70	267.56
70-80	164.85
80-90	54.02
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

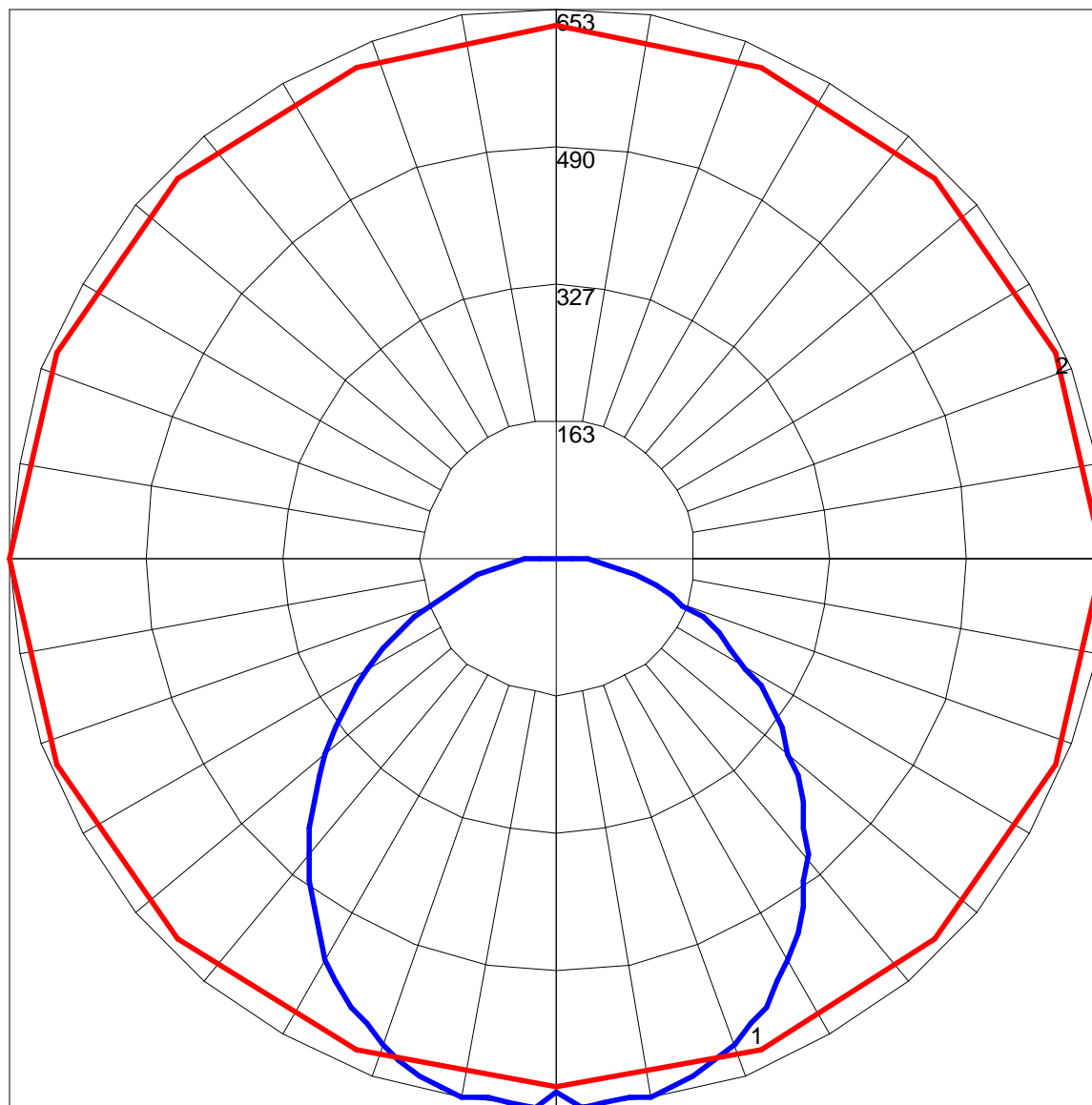
IES INDOOR REPORT
PHOTOMETRIC FILENAME : LPASC14-LED-20L-40.IES

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	98	94	105	101	97	93	96	93	90	92	90	87	89	87	84	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	66	61	70	65	60	68	63	59	56
4	81	69	60	53	79	67	59	52	65	57	52	62	56	51	60	55	50	48
5	74	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	44	38	34	31
8	59	45	37	31	58	45	36	31	43	36	30	42	35	30	41	35	30	28
9	55	42	33	27	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 = 653 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.)