



IES INDOOR REPORT
PHOTOMETRIC FILENAME : LPASC24-LED-55L-40.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]LED-8791
[TESTLAB]LSI INDUSTRIES, INC
[ISSUE DATE]04/19/17
[TEST DATE]04/19/17
[MANUFACTURER]LSI INDUSTRIES, INC
[LUMEN CATEGORY]LPASC24-LED-55L-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	5570
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	126
Total Luminaire Watts	44.2
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.28
Spacing Criterion (90-270)	1.40
Spacing Criterion (Diagonal)	1.44
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	4.00 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	2054	2357	2601
55	1902	2368	2731
65	1739	2443	2960
75	1601	2792	3621
85	1434	3772	3741

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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	1673	1673	1673	1673	1673
2.5	1714	1688	1674	1659	1646
5.0	1713	1688	1674	1660	1648
7.5	1708	1683	1671	1660	1648
10.0	1697	1674	1665	1658	1647
12.5	1680	1661	1656	1654	1645
15.0	1661	1644	1646	1648	1641
17.5	1637	1623	1631	1640	1635
20.0	1607	1597	1612	1628	1626
22.5	1573	1568	1590	1613	1613
25.0	1534	1535	1565	1595	1598
27.5	1489	1497	1536	1573	1580
30.0	1440	1453	1503	1549	1559
32.5	1387	1405	1464	1522	1533
35.0	1330	1354	1424	1489	1504
37.5	1271	1297	1379	1454	1472
40.0	1203	1238	1331	1415	1436
42.5	1135	1177	1280	1373	1396
45.0	1069	1116	1227	1328	1354
47.5	1002	1053	1172	1279	1309
50.0	935	989	1116	1227	1258
52.5	869	925	1059	1174	1208
55.0	803	861	1000	1119	1153
57.5	738	798	940	1063	1097
60.0	673	731	879	1005	1039
62.5	607	667	820	947	981
65.0	541	605	760	888	921
67.5	480	544	699	828	861
70.0	420	486	644	770	804
72.5	361	429	586	716	745
75.0	305	376	532	658	690
77.5	249	324	479	606	640
80.0	197	272	427	523	528
82.5	140	222	352	402	395
85.0	92	171	242	244	240
87.5	46	97	111	125	132
90.0	0	0	0	0	0

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	625.09	N.A.	11.20
0-30	1346.64	N.A.	24.20
0-40	2235.39	N.A.	40.10
0-60	4062.28	N.A.	72.90
0-80	5346.37	N.A.	96.00
0-90	5569.57	N.A.	100.00
10-90	5409.9	N.A.	97.10
20-40	1610.29	N.A.	28.90
20-50	2552.01	N.A.	45.80
40-70	2566.42	N.A.	46.10
60-80	1284.09	N.A.	23.10
70-80	544.57	N.A.	9.80
80-90	223.20	N.A.	4.00
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	5569.57	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	159.67
10-20	465.43
20-30	721.55
30-40	888.74
40-50	941.72
50-60	885.17
60-70	739.53
70-80	544.57
80-90	223.20
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

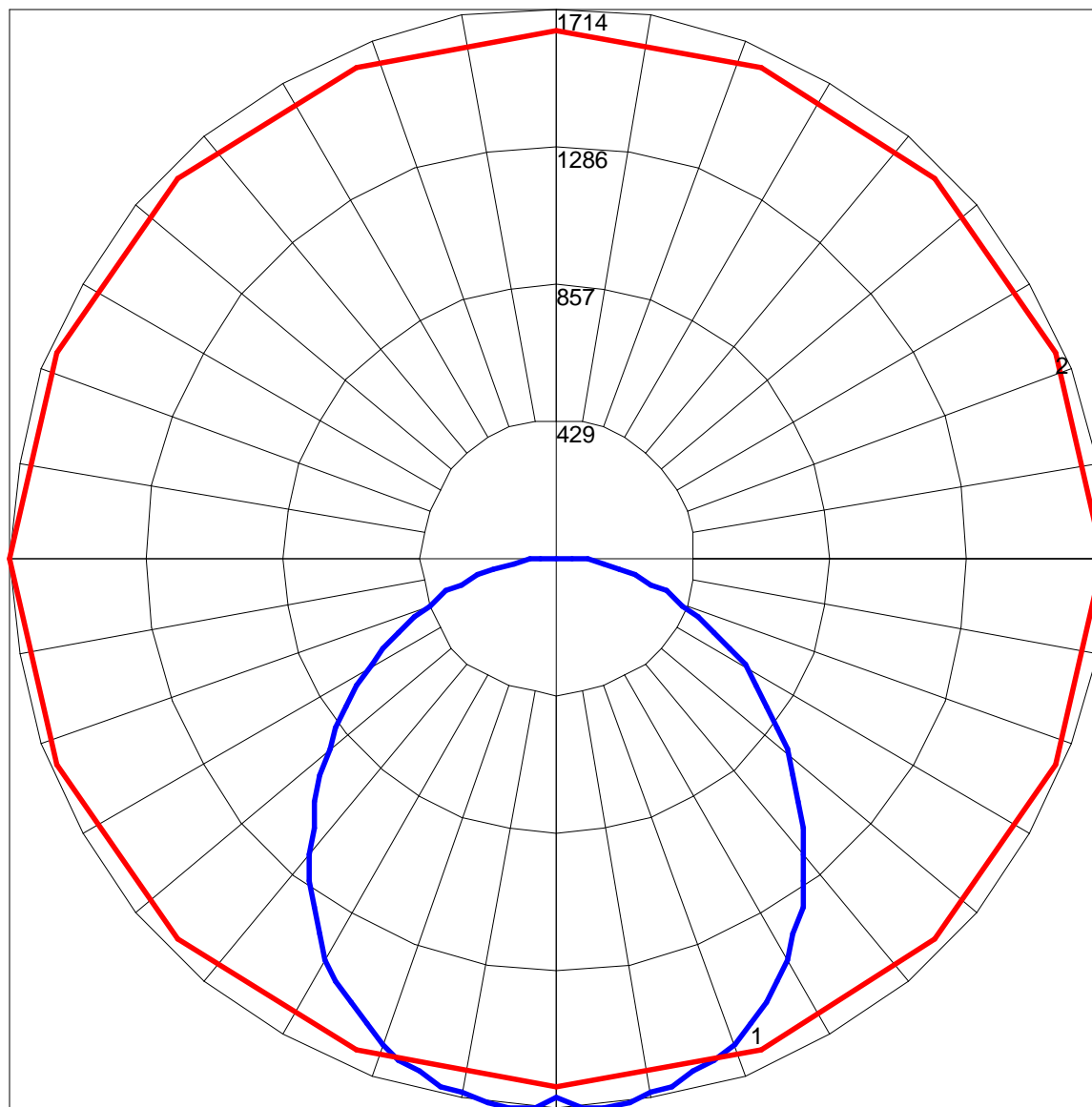
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	92	88	91	88	85	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	55
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	57	49	43	55	48	42	53	47	42	39
6	68	54	44	38	66	53	44	38	51	43	37	49	42	37	48	41	36	34
7	63	49	40	33	61	48	39	33	46	38	33	45	38	32	43	37	32	30
8	58	44	36	29	57	44	35	29	42	35	29	41	34	29	40	33	29	27
9	54	41	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	24	34	28	23	22

POLAR GRAPH



Maximum Candela = 1714 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.)