



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : LPASC22-LED-70L-35.IES

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] LED-8808\_scaled

[TESTLAB] LSI INDUSTRIES, INC

[ISSUEDATE] 05/07/19

[TESTDATE] 04/21/17

[MANUFAC] LSI INDUSTRIES, INC

[LUMCAT] LPASC22-LED-70L-35

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

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

[OTHER] SCALED FROM ORIGINAL TEST DATA

[SEARCH\_SOURCETYPE] LED

[SEARCH\_APPLICATION] Indoor

### CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	6910
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	117
Total Luminaire Watts	59
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)	1.98 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	4900	5824	6721
55	4552	5897	7304
65	4229	6223	8218
75	3850	7117	10692
85	3118	8127	9576

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**CANDELA TABULATION**

	<u><b>0.0</b></u>	<u><b>22.5</b></u>	<u><b>45.0</b></u>	<u><b>67.5</b></u>	<u><b>90.0</b></u>
<b>0.0</b>	2032	2032	2032	2032	2032
<b>2.5</b>	2078	2061	2035	2009	1999
<b>5.0</b>	2075	2058	2035	2012	2002
<b>7.5</b>	2068	2051	2032	2015	2005
<b>10.0</b>	2051	2042	2028	2015	2012
<b>12.5</b>	2032	2022	2018	2015	2012
<b>15.0</b>	2002	1999	2005	2012	2015
<b>17.5</b>	1969	1969	1989	2005	2015
<b>20.0</b>	1929	1936	1969	1999	2009
<b>22.5</b>	1880	1896	1942	1985	1999
<b>25.0</b>	1830	1853	1913	1969	1989
<b>27.5</b>	1774	1800	1876	1946	1972
<b>30.0</b>	1708	1744	1837	1923	1952
<b>32.5</b>	1639	1685	1791	1886	1926
<b>35.0</b>	1566	1619	1734	1850	1896
<b>37.5</b>	1493	1553	1682	1810	1860
<b>40.0</b>	1414	1480	1622	1764	1820
<b>42.5</b>	1338	1411	1563	1718	1777
<b>45.0</b>	1262	1338	1500	1668	1731
<b>47.5</b>	1183	1262	1434	1612	1685
<b>50.0</b>	1103	1186	1368	1559	1635
<b>52.5</b>	1024	1107	1302	1503	1582
<b>55.0</b>	951	1031	1232	1447	1526
<b>57.5</b>	869	955	1163	1384	1467
<b>60.0</b>	796	882	1093	1318	1407
<b>62.5</b>	720	806	1024	1252	1338
<b>65.0</b>	651	733	958	1179	1265
<b>67.5</b>	578	664	885	1110	1199
<b>70.0</b>	505	591	813	1041	1150
<b>72.5</b>	433	519	740	981	1103
<b>75.0</b>	363	449	671	902	1008
<b>77.5</b>	291	383	605	826	928
<b>80.0</b>	225	314	522	684	714
<b>82.5</b>	162	244	406	486	505
<b>85.0</b>	99	162	258	291	304
<b>87.5</b>	46	66	112	145	168
<b>90.0</b>	0	0	0	0	0

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	761.07	N.A.	11.00
0-30	1641.74	N.A.	23.80
0-40	2727.05	N.A.	39.50
0-60	4991.24	N.A.	72.20
0-80	6650.81	N.A.	96.30
0-90	6909.74	N.A.	100.00
10-90	6715.63	N.A.	97.20
20-40	1965.98	N.A.	28.50
20-50	3123.86	N.A.	45.20
40-70	3212.85	N.A.	46.50
60-80	1659.57	N.A.	24.00
70-80	710.92	N.A.	10.30
80-90	258.92	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	6909.74	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	194.10
10-20	566.96
20-30	880.68
30-40	1085.31
40-50	1157.87
50-60	1106.32
60-70	948.66
70-80	710.92
80-90	258.92
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

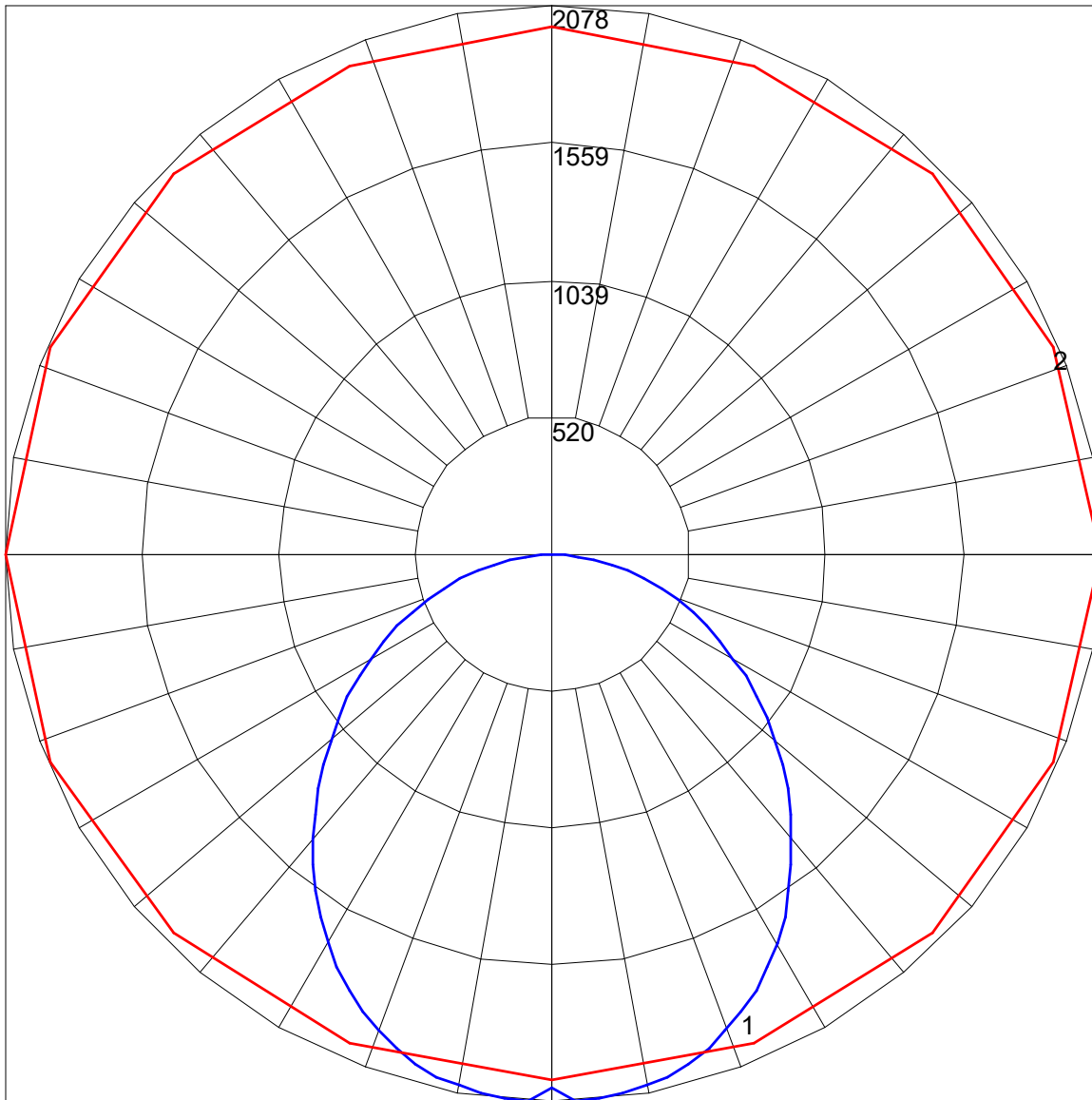
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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	92	104	99	95	91	95	91	88	91	88	85	87	85	83	81
2	97	87	80	74	94	86	79	73	82	76	71	79	74	69	75	71	68	65
3	88	76	67	60	85	74	66	60	71	64	59	69	63	57	66	61	56	54
4	80	67	58	50	77	66	57	50	63	55	49	61	54	49	58	53	48	46
5	73	60	50	43	71	58	49	43	56	48	42	54	47	42	52	46	41	39
6	67	53	44	37	65	52	44	37	51	43	37	49	42	36	47	41	36	34
7	62	48	39	33	61	47	39	33	46	38	32	44	37	32	43	37	32	30
8	58	44	35	29	56	43	35	29	42	34	29	41	34	29	39	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	49	37	29	23	36	28	23	35	28	23	34	28	23	21

POLAR GRAPH



Maximum Candela = 2078 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.)