



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : LPASC22-LED-75L-30.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-75L-30

[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	6995
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	111
Total Luminaire Watts	63
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	4958	5894	6802
55	4609	5969	7395
65	4281	6301	8321
75	3903	7202	10819
85	3150	8221	9702

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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>	2057	2057	2057	2057	2057
<b>2.5</b>	2103	2087	2060	2033	2023
<b>5.0</b>	2100	2083	2060	2037	2027
<b>7.5</b>	2093	2077	2057	2040	2030
<b>10.0</b>	2077	2067	2053	2040	2037
<b>12.5</b>	2057	2047	2043	2040	2037
<b>15.0</b>	2027	2023	2030	2037	2040
<b>17.5</b>	1993	1993	2013	2030	2040
<b>20.0</b>	1953	1960	1993	2023	2033
<b>22.5</b>	1903	1920	1966	2010	2023
<b>25.0</b>	1853	1876	1936	1993	2013
<b>27.5</b>	1796	1823	1899	1970	1996
<b>30.0</b>	1729	1766	1859	1946	1976
<b>32.5</b>	1659	1706	1813	1910	1950
<b>35.0</b>	1585	1639	1756	1873	1920
<b>37.5</b>	1512	1572	1702	1833	1883
<b>40.0</b>	1431	1498	1642	1786	1843
<b>42.5</b>	1354	1428	1582	1739	1799
<b>45.0</b>	1277	1354	1518	1689	1752
<b>47.5</b>	1197	1277	1451	1632	1706
<b>50.0</b>	1117	1201	1384	1578	1655
<b>52.5</b>	1037	1120	1318	1522	1602
<b>55.0</b>	963	1043	1247	1465	1545
<b>57.5</b>	880	966	1177	1401	1485
<b>60.0</b>	806	893	1107	1334	1425
<b>62.5</b>	729	816	1037	1267	1354
<b>65.0</b>	659	742	970	1194	1281
<b>67.5</b>	585	672	896	1124	1214
<b>70.0</b>	512	599	823	1053	1164
<b>72.5</b>	438	525	749	993	1117
<b>75.0</b>	368	455	679	913	1020
<b>77.5</b>	294	388	612	836	940
<b>80.0</b>	227	318	528	692	722
<b>82.5</b>	164	247	411	492	512
<b>85.0</b>	100	164	261	294	308
<b>87.5</b>	47	67	114	147	171
<b>90.0</b>	0	0	0	0	0

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	770.44	N.A.	11.00
0-30	1661.96	N.A.	23.80
0-40	2760.71	N.A.	39.50
0-60	5052.58	N.A.	72.20
0-80	6732.59	N.A.	96.30
0-90	6994.75	N.A.	100.00
10-90	6798.25	N.A.	97.20
20-40	1990.28	N.A.	28.50
20-50	3162.25	N.A.	45.20
40-70	3252.3	N.A.	46.50
60-80	1680.02	N.A.	24.00
70-80	719.58	N.A.	10.30
80-90	262.15	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	6994.75	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	196.50
10-20	573.94
20-30	891.52
30-40	1098.75
40-50	1171.97
50-60	1119.89
60-70	960.44
70-80	719.58
80-90	262.15
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

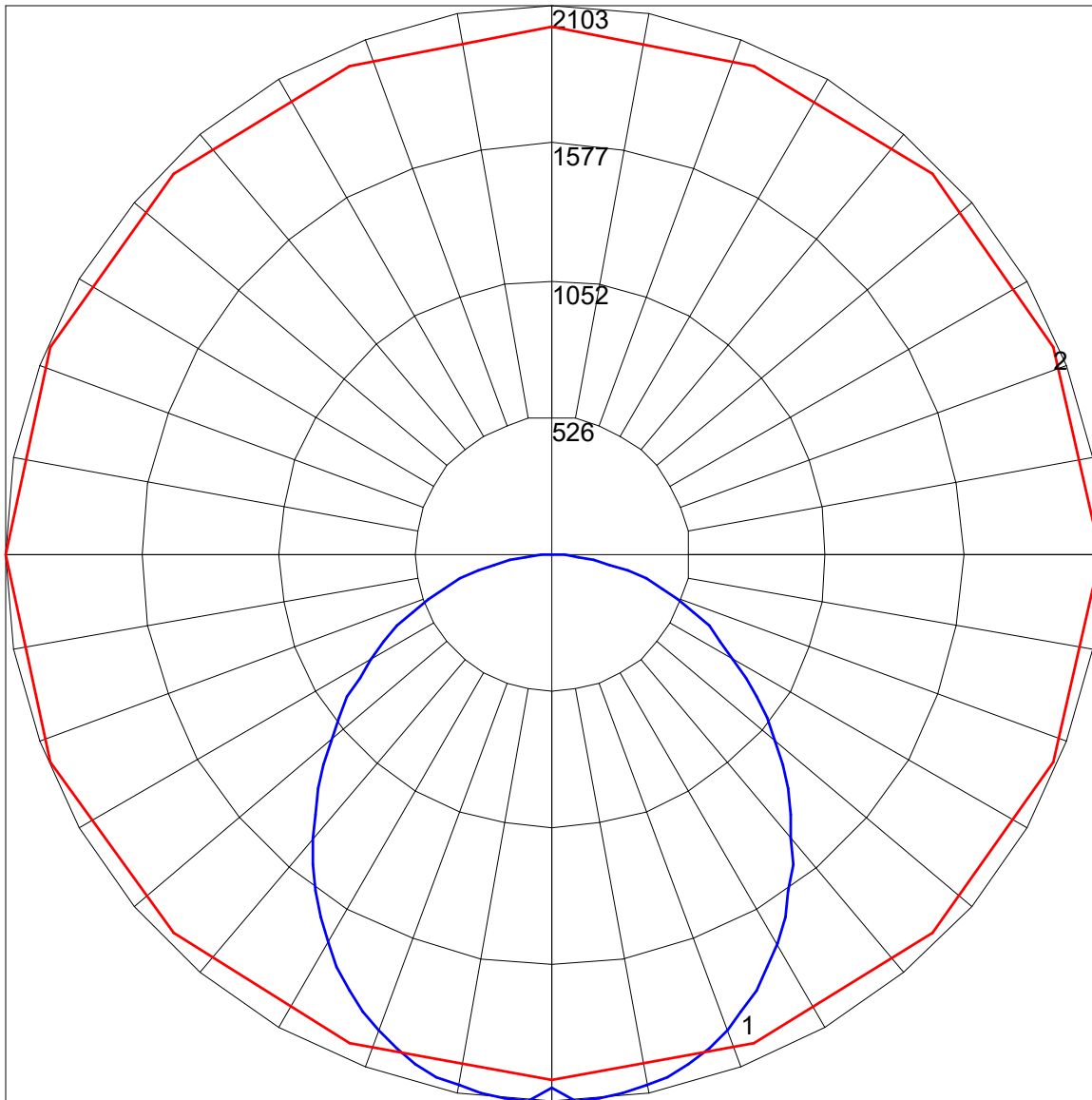
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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 = 2103 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.)