



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : LPASC22-LED-80L-30.IES

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] LED-8808\_scaled

[TESTLAB] LSI INDUSTRIES, INC

[ISSUE DATE] 05/07/19

[TEST DATE] 04/21/17

[MANUFAC] LSI INDUSTRIES, INC

[LUMCAT] LPASC22-LED-80L-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	7475
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	108
Total Luminaire Watts	69
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	5300	6297	7272
55	4925	6380	7902
65	4573	6730	8893
75	4169	7690	11562
85	3370	8788	10363

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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>	2198	2198	2198	2198	2198
<b>2.5</b>	2248	2230	2201	2173	2162
<b>5.0</b>	2244	2226	2201	2176	2166
<b>7.5</b>	2237	2219	2198	2180	2169
<b>10.0</b>	2219	2208	2194	2180	2176
<b>12.5</b>	2198	2187	2183	2180	2176
<b>15.0</b>	2166	2162	2169	2176	2180
<b>17.5</b>	2130	2130	2151	2169	2180
<b>20.0</b>	2087	2094	2130	2162	2173
<b>22.5</b>	2033	2051	2101	2148	2162
<b>25.0</b>	1980	2005	2069	2130	2151
<b>27.5</b>	1919	1948	2030	2105	2133
<b>30.0</b>	1848	1887	1987	2080	2112
<b>32.5</b>	1773	1823	1937	2041	2083
<b>35.0</b>	1694	1751	1876	2001	2051
<b>37.5</b>	1615	1680	1819	1958	2012
<b>40.0</b>	1530	1601	1755	1908	1969
<b>42.5</b>	1447	1526	1690	1858	1923
<b>45.0</b>	1365	1447	1622	1805	1873
<b>47.5</b>	1279	1365	1551	1744	1823
<b>50.0</b>	1194	1283	1479	1687	1769
<b>52.5</b>	1108	1197	1408	1626	1712
<b>55.0</b>	1029	1115	1333	1565	1651
<b>57.5</b>	940	1033	1258	1497	1587
<b>60.0</b>	861	954	1183	1426	1522
<b>62.5</b>	779	872	1108	1354	1447
<b>65.0</b>	704	793	1036	1276	1369
<b>67.5</b>	625	718	958	1201	1297
<b>70.0</b>	547	640	879	1126	1244
<b>72.5</b>	468	561	800	1061	1194
<b>75.0</b>	393	486	725	976	1090
<b>77.5</b>	314	415	654	893	1004
<b>80.0</b>	243	339	565	740	772
<b>82.5</b>	175	264	440	525	547
<b>85.0</b>	107	175	279	314	329
<b>87.5</b>	50	71	122	157	182
<b>90.0</b>	0	0	0	0	0

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	823.25	N.A.	11.00
0-30	1775.97	N.A.	23.80
0-40	2950.00	N.A.	39.50
0-60	5399.21	N.A.	72.20
0-80	7194.43	N.A.	96.30
0-90	7474.5	N.A.	100.00
10-90	7264.54	N.A.	97.20
20-40	2126.76	N.A.	28.50
20-50	3379.21	N.A.	45.20
40-70	3475.52	N.A.	46.50
60-80	1795.21	N.A.	24.00
70-80	768.90	N.A.	10.30
80-90	280.08	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	7474.5	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	209.96
10-20	613.28
20-30	952.73
30-40	1174.03
40-50	1252.45
50-60	1196.76
60-70	1026.31
70-80	768.90
80-90	280.08
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

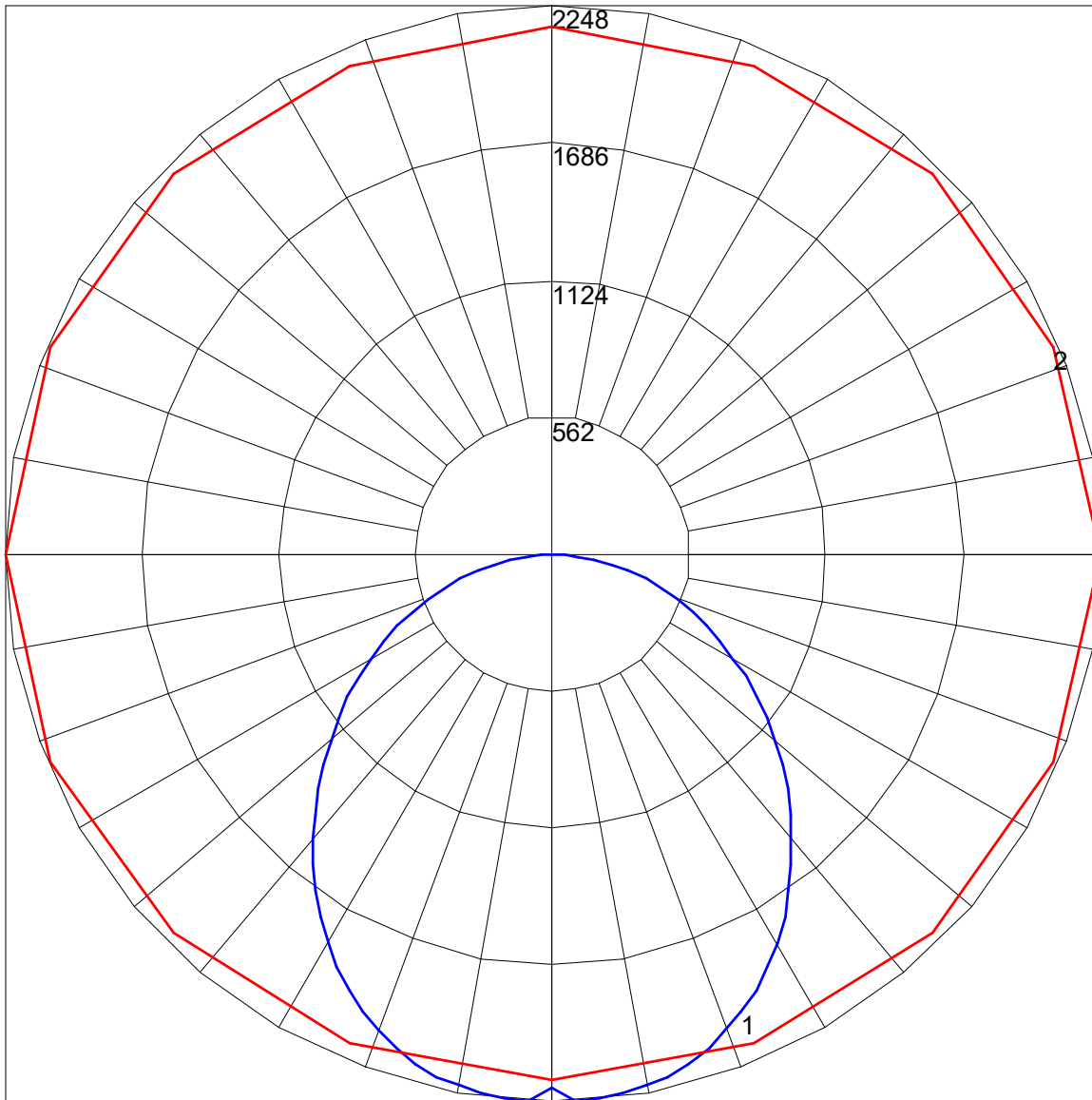
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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 = 2248 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.)