



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : LPEC24-SM-LED-VHO-WW.IES**

**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
[TEST]LED-5818A  
[TESTLAB]LSI INDUSTRIES, INC  
[ISSUE DATE]02/26/16  
[TEST DATE]07/15/14  
[MANUFACTURER]LSI INDUSTRIES, INC  
[ABSOLUTE]NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.  
[OTHER]SCALED FROM ORIGINAL TEST DATA  
[OTHER]TEST PROCEDURE: IESNA LM-79-08  
[SEARCH\_SOURCETYPE] LED  
[SEARCH\_APPLICATION] Indoor  
[LUMCAT]LPEC24-SM-LED-VHO-WW

**CHARACTERISTICS**

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	5915
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	100
Total Luminaire Watts	59.3
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.26
Spacing Criterion (90-270)	1.38
Spacing Criterion (Diagonal)	1.46
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	4.00 ft
Luminous Width (90-270)	2.00 ft
Luminous Height	0.00 ft

**LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	2177	2512	2767
55	2001	2549	2996
65	1818	2608	3319
75	1573	2771	3910
85	1398	3114	4035

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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>
<b>0.0</b>	1795.29	1795.29	1795.29	1795.29	1795.29
<b>2.5</b>	1842.67	1816.92	1793.23	1773.66	1760.27
<b>5.0</b>	1837.52	1812.80	1791.17	1772.63	1759.24
<b>7.5</b>	1828.25	1804.56	1784.99	1769.54	1758.21
<b>10.0</b>	1813.83	1792.20	1775.72	1764.39	1754.09
<b>12.5</b>	1794.26	1774.69	1764.39	1756.15	1748.94
<b>15.0</b>	1770.57	1754.09	1748.94	1746.88	1741.73
<b>17.5</b>	1739.67	1729.37	1731.43	1734.52	1731.43
<b>20.0</b>	1705.68	1698.47	1710.83	1721.13	1720.10
<b>22.5</b>	1664.48	1664.48	1685.08	1704.65	1706.71
<b>25.0</b>	1621.22	1626.37	1658.30	1686.11	1690.23
<b>27.5</b>	1573.84	1584.14	1627.40	1664.48	1672.72
<b>30.0</b>	1521.31	1538.82	1592.38	1639.76	1651.09
<b>32.5</b>	1465.69	1489.38	1554.27	1612.98	1626.37
<b>35.0</b>	1406.98	1436.85	1514.10	1582.08	1595.47
<b>37.5</b>	1345.18	1381.23	1469.81	1547.06	1564.57
<b>40.0</b>	1280.29	1322.52	1423.46	1511.01	1530.58
<b>42.5</b>	1213.34	1260.72	1375.05	1470.84	1493.50
<b>45.0</b>	1145.36	1194.80	1321.49	1428.61	1455.39
<b>47.5</b>	1071.20	1129.91	1267.93	1384.32	1415.22
<b>50.0</b>	1001.16	1060.90	1210.25	1337.97	1371.96
<b>52.5</b>	925.97	989.83	1149.48	1288.53	1327.67
<b>55.0</b>	853.87	919.79	1087.68	1233.94	1278.23
<b>57.5</b>	782.80	849.75	1022.79	1177.29	1224.67
<b>60.0</b>	711.73	778.68	955.84	1117.55	1165.96
<b>62.5</b>	641.69	707.61	888.89	1056.78	1106.22
<b>65.0</b>	571.65	635.51	819.88	990.86	1043.39
<b>67.5</b>	503.67	563.41	748.81	924.94	977.47
<b>70.0</b>	433.63	492.34	678.77	855.93	907.43
<b>72.5</b>	365.65	423.33	604.61	782.80	833.27
<b>75.0</b>	302.82	358.44	533.54	700.40	752.93
<b>77.5</b>	244.11	295.61	459.38	612.85	655.08
<b>80.0</b>	188.49	235.87	379.04	518.09	552.08
<b>82.5</b>	136.99	178.19	297.67	403.76	425.39
<b>85.0</b>	90.64	120.51	201.88	261.62	261.62
<b>87.5</b>	42.23	60.77	93.73	101.97	89.61
<b>90.0</b>	0.00	0.00	0.00	0.00	0.00

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	665.54	N.A.	11.30
0-30	1429.54	N.A.	24.20
0-40	2373.62	N.A.	40.10
0-60	4348.64	N.A.	73.50
0-80	5711.04	N.A.	96.60
0-90	5914.76	N.A.	100.00
10-90	5744.01	N.A.	97.10
20-40	1708.08	N.A.	28.90
20-50	2720.29	N.A.	46.00
40-70	2779.98	N.A.	47.00
60-80	1362.41	N.A.	23.00
70-80	557.45	N.A.	9.40
80-90	203.72	N.A.	3.40
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	5914.76	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	170.75
10-20	494.79
20-30	763.99
30-40	944.08
40-50	1012.22
50-60	962.80
60-70	804.96
70-80	557.45
80-90	203.72
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

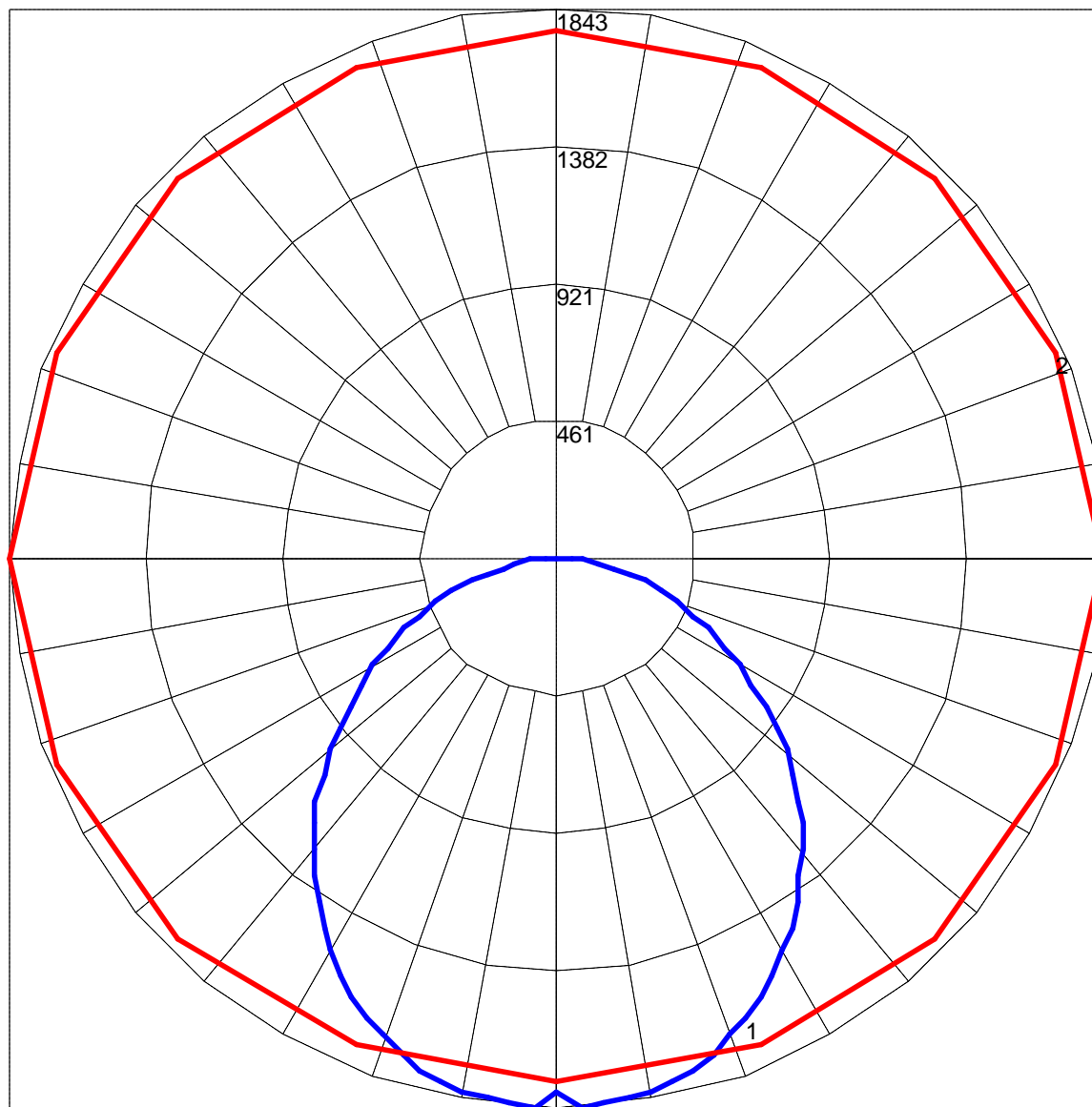
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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	105	100	95	92	96	92	89	92	89	86	88	86	83	81
2	97	88	81	74	94	86	79	73	82	77	72	79	74	70	76	72	68	66
3	88	77	68	61	85	75	67	60	72	65	59	69	63	58	67	62	57	55
4	80	68	58	51	78	66	57	51	64	56	50	61	55	49	59	53	49	46
5	74	60	51	44	71	59	50	43	57	49	43	55	48	42	53	47	42	40
6	68	54	45	38	66	53	44	38	51	43	37	49	42	37	48	41	37	34
7	63	49	40	33	61	48	39	33	46	39	33	45	38	33	43	37	32	30
8	58	44	36	30	57	44	35	29	42	35	29	41	34	29	40	34	29	27
9	55	41	32	26	53	40	32	26	39	31	26	38	31	26	37	31	26	24
10	51	37	29	24	50	37	29	24	36	29	24	35	28	24	34	28	24	22

POLAR GRAPH



Maximum Candela = 1842.67 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.)