



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

**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
[TEST]LED-5790A  
[TESTLAB]LSI INDUSTRIES, INC  
[ISSUE DATE]06/26/16  
[TEST DATE]07/09/14  
[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-SS-WW

**CHARACTERISTICS**

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	3533
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	100
Total Luminaire Watts	35.3
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	1294	1502	1653
55	1195	1523	1791
65	1084	1559	1985
75	947	1664	2348
85	731	1938	2526

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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>	1068.11	1068.11	1068.11	1068.11	1068.11
<b>2.5</b>	1095.92	1080.47	1067.08	1054.72	1046.48
<b>5.0</b>	1092.83	1078.41	1066.05	1054.72	1046.48
<b>7.5</b>	1086.65	1073.26	1061.93	1052.66	1046.48
<b>10.0</b>	1078.41	1066.05	1056.78	1049.57	1044.42
<b>12.5</b>	1067.08	1055.75	1050.60	1045.45	1041.33
<b>15.0</b>	1052.66	1044.42	1041.33	1040.30	1037.21
<b>17.5</b>	1035.15	1028.97	1031.03	1033.09	1031.03
<b>20.0</b>	1014.55	1011.46	1018.67	1024.85	1024.85
<b>22.5</b>	992.92	991.89	1004.25	1015.58	1016.61
<b>25.0</b>	965.11	969.23	987.77	1005.28	1007.34
<b>27.5</b>	937.30	943.48	969.23	991.89	996.01
<b>30.0</b>	906.40	915.67	948.63	978.50	983.65
<b>32.5</b>	873.44	885.80	925.97	962.02	969.23
<b>35.0</b>	836.36	854.90	902.28	943.48	952.75
<b>37.5</b>	800.31	821.94	876.53	923.91	935.24
<b>40.0</b>	761.17	786.92	848.72	902.28	914.64
<b>42.5</b>	722.03	750.87	819.88	879.62	891.98
<b>45.0</b>	680.83	712.76	790.01	853.87	869.32
<b>47.5</b>	639.63	674.65	757.05	827.09	844.60
<b>50.0</b>	597.40	634.48	722.03	799.28	819.88
<b>52.5</b>	553.11	592.25	687.01	769.41	793.10
<b>55.0</b>	509.85	550.02	649.93	738.51	764.26
<b>57.5</b>	467.62	505.73	610.79	705.55	733.36
<b>60.0</b>	423.33	463.50	571.65	670.53	700.40
<b>62.5</b>	382.13	421.27	532.51	633.45	663.32
<b>65.0</b>	340.93	379.04	490.28	595.34	624.18
<b>67.5</b>	299.73	337.84	449.08	554.14	585.04
<b>70.0</b>	260.59	296.64	406.85	512.94	543.84
<b>72.5</b>	219.39	255.44	363.59	469.68	500.58
<b>75.0</b>	182.31	215.27	320.33	423.33	452.17
<b>77.5</b>	146.26	176.13	276.04	370.80	399.64
<b>80.0</b>	109.18	140.08	228.66	315.18	337.84
<b>82.5</b>	76.22	104.03	179.22	249.26	260.59
<b>85.0</b>	47.38	67.98	125.66	162.74	163.77
<b>87.5</b>	22.66	33.99	54.59	53.56	46.35
<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	396.12	N.A.	11.20
0-30	851.28	N.A.	24.10
0-40	1413.92	N.A.	40.00
0-60	2593.57	N.A.	73.40
0-80	3410.89	N.A.	96.50
0-90	3532.86	N.A.	100.00
10-90	3431.28	N.A.	97.10
20-40	1017.81	N.A.	28.80
20-50	1621.98	N.A.	45.90
40-70	1661.51	N.A.	47.00
60-80	817.32	N.A.	23.10
70-80	335.46	N.A.	9.50
80-90	121.97	N.A.	3.50
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	3532.86	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	101.58
10-20	294.54
20-30	455.16
30-40	562.64
40-50	604.17
50-60	575.47
60-70	481.86
70-80	335.46
80-90	121.97
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

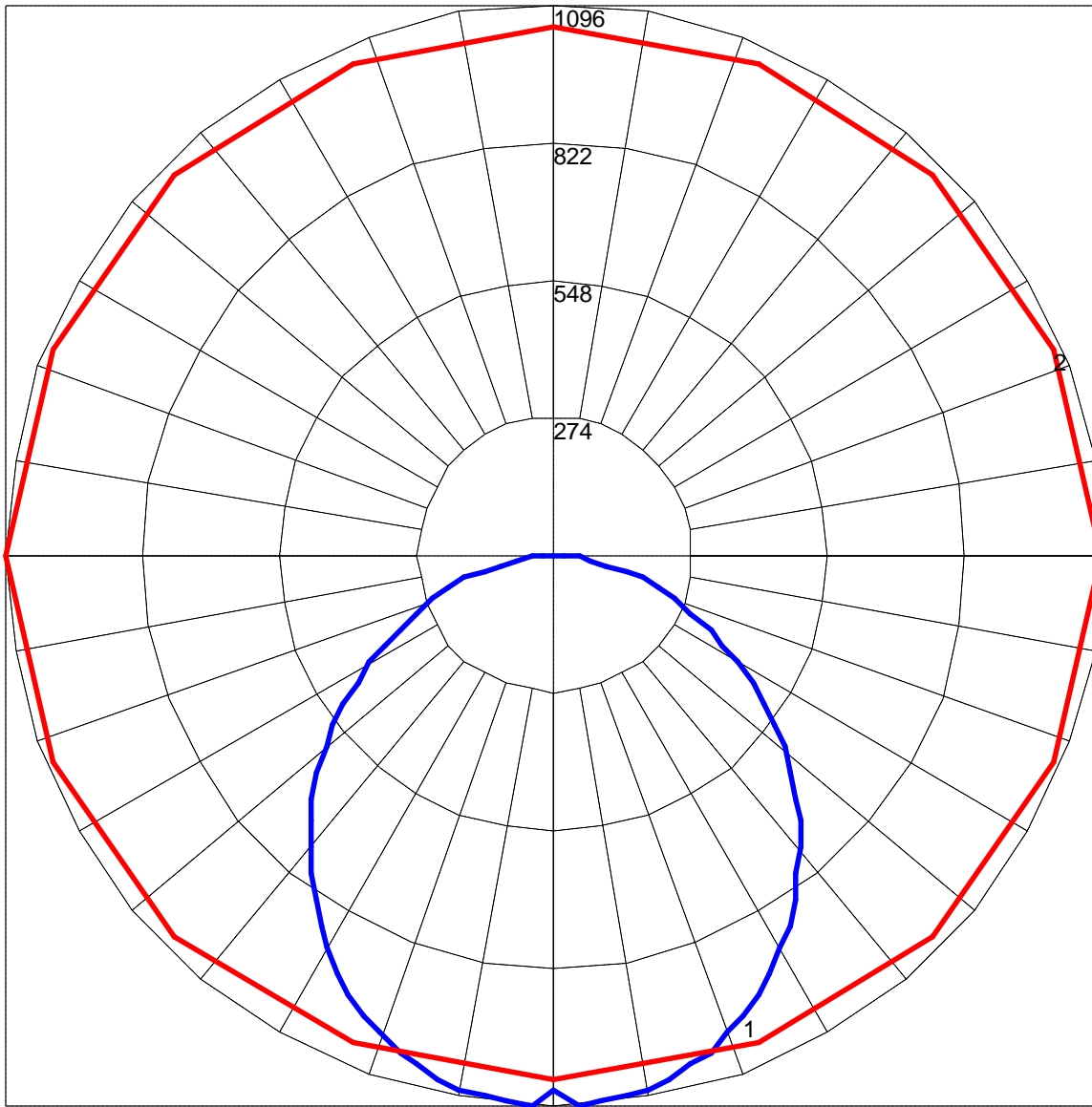
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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	95	92	89	92	89	86	88	85	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	61	57	55
4	80	67	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	38	33	45	38	33	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 = 1095.92 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.)