



IES INDOOR REPORT
PHOTOMETRIC FILENAME : LPEC22-SM-LED-SS-CW.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]LED-5737A
[TESTLAB]LSI INDUSTRIES, INC
[ISSUE DATE]02/26/16
[TEST DATE]06/24/14
[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]LPEC22-SM-LED-SS-CW

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	3446
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	117
Total Luminaire Watts	29.4
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.24
Spacing Criterion (90-270)	1.40
Spacing Criterion (Diagonal)	1.44
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	2.00 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	2487	2929	3317
55	2288	2945	3587
65	2064	2988	4017
75	1819	3113	4665
85	1620	3209	3717

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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>
0.0	1059.87	1059.87	1059.87	1059.87	1059.87
2.5	1080.47	1072.23	1059.87	1047.51	1042.36
5.0	1078.41	1070.17	1057.81	1046.48	1042.36
7.5	1072.23	1066.05	1054.72	1044.42	1041.33
10.0	1063.99	1058.84	1050.60	1041.33	1038.24
12.5	1052.66	1048.54	1043.39	1037.21	1036.18
15.0	1038.24	1036.18	1034.12	1032.06	1032.06
17.5	1019.70	1019.70	1023.82	1024.85	1025.88
20.0	998.07	1001.16	1010.43	1016.61	1018.67
22.5	974.38	979.53	994.98	1007.34	1011.46
25.0	947.60	955.84	977.47	996.01	1003.22
27.5	917.73	929.06	957.90	983.65	991.89
30.0	885.80	900.22	936.27	969.23	979.53
32.5	851.81	868.29	912.58	952.75	966.14
35.0	815.76	835.33	887.86	935.24	950.69
37.5	778.68	800.31	861.08	915.67	933.18
40.0	737.48	765.29	832.24	894.04	914.64
42.5	697.31	728.21	802.37	870.35	895.07
45.0	654.05	689.07	770.44	845.63	872.41
47.5	612.85	649.93	736.45	818.85	848.72
50.0	571.65	608.73	702.46	791.04	824.00
52.5	530.45	567.53	665.38	761.17	795.16
55.0	488.22	526.33	628.30	730.27	765.29
57.5	447.02	484.10	589.16	696.28	734.39
60.0	404.79	441.87	550.02	661.26	702.46
62.5	364.62	401.70	509.85	624.18	667.44
65.0	324.45	360.50	469.68	585.04	631.39
67.5	284.28	321.36	427.45	543.84	592.25
70.0	247.20	281.19	385.22	502.64	551.05
72.5	211.15	241.02	342.99	457.32	502.64
75.0	175.10	203.94	299.73	407.88	449.08
77.5	142.14	165.83	255.44	353.29	391.40
80.0	110.21	131.84	206.00	293.55	323.42
82.5	80.34	99.91	158.62	218.36	234.84
85.0	52.53	65.92	104.03	120.51	120.51
87.5	27.81	33.99	40.17	24.72	20.60
90.0	0.00	0.00	0.00	0.00	0.00

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	392.90	N.A.	11.40
0-30	842.97	N.A.	24.50
0-40	1397.06	N.A.	40.50
0-60	2550.38	N.A.	74.00
0-80	3339.99	N.A.	96.90
0-90	3445.98	N.A.	100.00
10-90	3345.18	N.A.	97.10
20-40	1004.16	N.A.	29.10
20-50	1596.22	N.A.	46.30
40-70	1621.53	N.A.	47.10
60-80	789.61	N.A.	22.90
70-80	321.40	N.A.	9.30
80-90	105.98	N.A.	3.10
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	3445.98	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	100.80
10-20	292.11
20-30	450.06
30-40	554.09
40-50	592.06
50-60	561.26
60-70	468.21
70-80	321.40
80-90	105.98
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

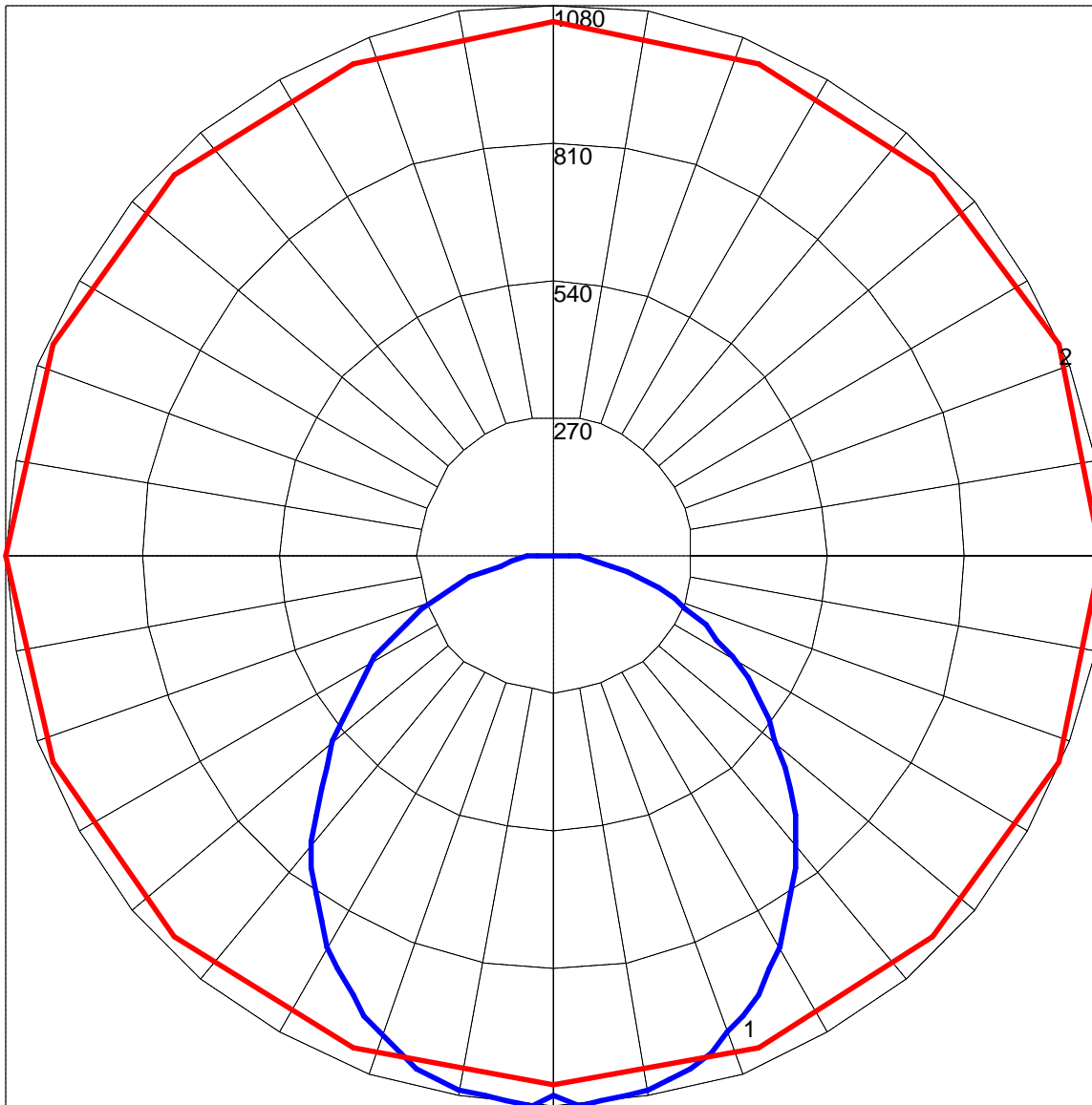
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	108	102	98	93	105	100	96	92	96	92	89	92	89	86	88	86	84	81
2	97	88	81	75	94	86	80	74	83	77	72	79	75	70	76	72	69	67
3	88	77	68	61	86	75	67	61	72	65	60	69	64	59	67	62	58	55
4	80	68	59	51	78	66	58	51	64	56	50	61	55	50	59	54	49	47
5	74	60	51	44	72	59	50	44	57	49	43	55	48	43	53	47	42	40
6	68	54	45	38	66	53	44	38	51	43	38	50	43	37	48	42	37	35
7	63	49	40	34	61	48	40	33	47	39	33	45	38	33	44	37	33	31
8	59	45	36	30	57	44	36	30	43	35	29	41	34	29	40	34	29	27
9	55	41	32	27	53	40	32	27	39	32	26	38	31	26	37	31	26	24
10	51	38	30	24	50	37	29	24	36	29	24	35	29	24	34	28	24	22

POLAR GRAPH



Maximum Candela = 1080.47 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.)