



IES INDOOR REPORT
PHOTOMETRIC FILENAME : LXC2-12-LED-CW-24.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]LED-5198B
[TESTLAB]LSI INDUSTRIES
[ISSUE DATE]05/14/14
[TEST DATE]02/25/14
[MANUFACTURER]LSI INDUSTRIES
[LUMEN CATEGORY]LXC2-12-LED-CW-24
[ABSOLUTE]NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.
[OTHER]TEST PROCEDURE: IESNA LM-79-08
[ABSOLUTE LUMENS]956

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	956
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	117
Total Luminaire Watts	8.2
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.36
Spacing Criterion (90-270)	1.28
Spacing Criterion (Diagonal)	1.44
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	1.00 ft
Luminous Width (90-270)	0.13 ft
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	29166	27838	27219
55	28099	27172	26735
65	25103	25400	25548
75	18017	21039	18138
85	8259	2513	1796

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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	320.481	320.481	320.481	320.481	320.481
2.5	330.667	324.847	319.390	316.116	313.206
5.0	330.303	324.483	319.390	315.752	312.842
7.5	329.576	323.392	318.299	314.661	312.115
10.0	327.757	321.936	316.844	313.570	311.023
12.5	325.574	319.754	314.297	311.387	308.841
15.0	323.028	317.207	311.751	308.477	306.294
17.5	319.754	313.570	308.477	304.839	302.657
20.0	315.752	309.932	304.839	300.474	299.019
22.5	311.387	305.567	300.474	295.745	293.562
25.0	306.294	300.474	295.017	290.288	287.742
27.5	300.110	294.654	289.197	284.104	281.558
30.0	293.562	288.470	282.649	277.920	275.010
32.5	285.923	281.194	275.374	270.281	267.735
35.0	277.557	273.555	267.735	262.642	260.096
37.5	269.190	265.188	259.004	253.911	251.729
40.0	260.459	255.730	249.546	244.817	242.998
42.5	250.638	245.909	239.361	234.995	233.540
45.0	239.724	234.995	228.811	225.174	223.719
47.5	228.811	223.719	217.898	214.624	213.169
50.0	216.443	211.714	206.258	203.711	201.529
52.5	201.892	198.618	193.889	192.071	189.888
55.0	187.342	185.159	181.157	180.066	178.247
57.5	172.063	170.244	168.062	167.334	165.879
60.0	155.694	154.966	154.602	153.875	152.783
62.5	139.688	138.233	139.688	139.688	139.688
65.0	123.318	122.227	124.773	125.864	125.501
67.5	106.585	105.857	109.495	111.314	110.222
70.0	89.487	90.215	93.853	96.399	94.944
72.5	70.571	74.209	78.211	81.484	78.211
75.0	54.202	58.567	63.296	59.658	54.566
77.5	40.378	44.744	47.654	36.377	27.283
80.0	28.010	31.648	29.829	15.278	12.732
82.5	16.370	20.735	10.913	3.638	2.910
85.0	8.367	10.913	2.546	1.819	1.819
87.5	2.910	2.546	1.819	1.455	1.455
90.0	0.000	0.000	0.000	0.000	0.000

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	118.90	N.A.	12.40
0-30	255.25	N.A.	26.70
0-40	422.99	N.A.	44.20
0-60	763.13	N.A.	79.80
0-80	947.87	N.A.	99.10
0-90	956.15	N.A.	100.00
10-90	925.65	N.A.	96.80
20-40	304.09	N.A.	31.80
20-50	481.60	N.A.	50.40
40-70	462.88	N.A.	48.40
60-80	184.74	N.A.	19.30
70-80	61.99	N.A.	6.50
80-90	8.28	N.A.	0.90
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	956.15	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	30.49
10-20	88.41
20-30	136.35
30-40	167.74
40-50	177.50
50-60	162.63
60-70	122.75
70-80	61.99
80-90	8.28
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

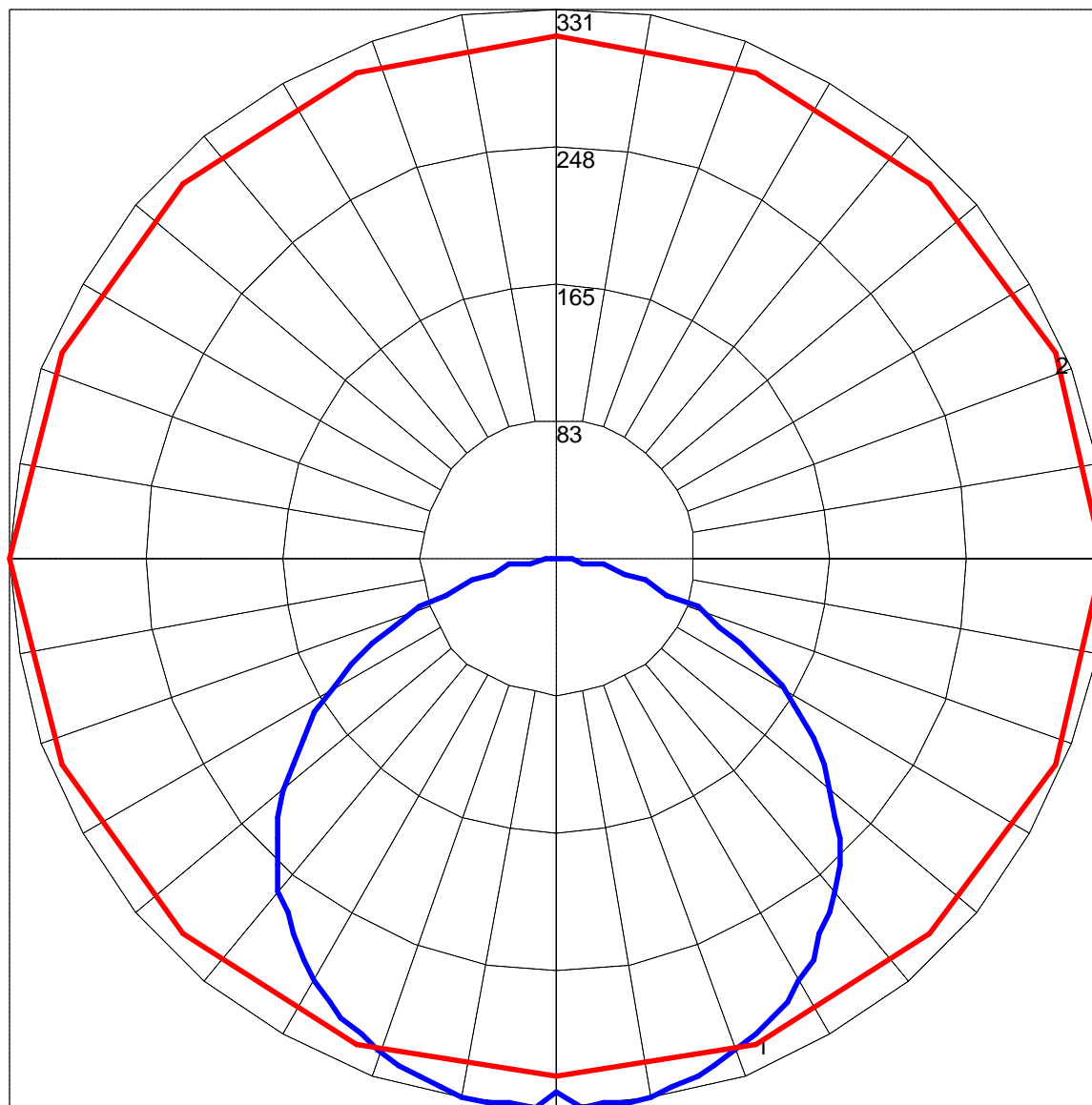
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	109	104	100	97	106	102	98	95	98	95	92	94	91	89	90	88	86	84
2	99	91	84	79	97	89	83	78	86	80	76	82	78	74	79	76	72	70
3	90	80	72	65	88	78	71	64	75	69	63	72	67	62	70	65	61	59
4	83	70	62	55	80	69	61	55	67	59	54	64	58	53	62	57	52	50
5	76	63	54	47	74	62	53	47	60	52	46	58	51	46	56	50	45	43
6	70	56	47	41	68	56	47	41	54	46	40	52	45	40	50	44	40	38
7	65	51	42	36	63	50	42	36	49	41	36	47	40	35	46	40	35	33
8	60	47	38	32	59	46	38	32	45	37	32	43	37	32	42	36	31	29
9	56	43	34	29	55	42	34	29	41	34	29	40	33	28	39	33	28	26
10	53	39	31	26	51	39	31	26	38	31	26	37	30	26	36	30	26	24

POLAR GRAPH



Maximum Candela = 330.667 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.)