



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

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]LED-5197B
[TESTLAB]LSI INDUSTRIES
[ISSUE DATE]05/14/14
[TEST DATE]02/25/14
[MANUFACTURER]LSI INDUSTRIES
[LUMEN CATEGORY]LXC2-12-LED-WW-24
[ABSOLUTE]NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.
[OTHER]TEST PROCEDURE: IESNA LM-79-08
[ABSOLUTE LUMENS]858

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	858
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	105
Total Luminaire Watts	8.2
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.34
Spacing Criterion (90-270)	1.28
Spacing Criterion (Diagonal)	1.42
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	25920	24903	24284
55	24757	24102	23721
65	21536	22351	22425
75	16435	18369	15952
85	10049	5024	4307

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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	293.029	293.029	293.029	293.029	293.029
2.5	301.028	295.938	292.666	289.757	286.122
5.0	300.664	295.574	292.302	289.394	286.122
7.5	299.573	294.484	291.575	288.667	285.395
10.0	298.119	293.029	290.121	287.212	283.940
12.5	295.938	290.848	287.940	285.031	282.486
15.0	293.029	288.303	285.031	282.123	279.578
17.5	289.757	285.395	282.123	278.851	276.306
20.0	285.395	281.395	278.123	274.851	272.306
22.5	280.668	277.033	273.761	270.125	267.217
25.0	275.578	272.306	268.671	264.308	261.400
27.5	269.762	266.853	262.854	258.128	255.219
30.0	263.217	260.309	256.310	251.584	248.311
32.5	256.673	253.401	249.039	244.312	241.404
35.0	249.402	246.130	241.040	236.678	234.133
37.5	241.404	238.132	232.678	228.316	225.771
40.0	231.951	229.406	223.589	219.954	217.409
42.5	222.862	219.954	214.500	210.865	208.683
45.0	213.046	210.138	204.684	201.412	199.594
47.5	201.776	199.594	194.141	191.596	190.142
50.0	190.505	187.961	183.598	181.416	179.962
52.5	178.508	175.963	172.327	170.510	169.055
55.0	165.056	162.875	160.694	159.603	158.149
57.5	151.241	149.787	148.332	148.332	146.878
60.0	136.699	135.244	135.971	135.971	134.517
62.5	121.065	120.702	123.247	123.610	122.520
65.0	105.796	106.887	109.795	110.522	110.159
67.5	91.254	93.435	95.980	97.798	97.434
70.0	76.711	79.256	82.528	84.709	84.346
72.5	61.078	65.441	69.076	70.894	70.167
75.0	49.444	52.716	55.261	55.625	47.990
77.5	38.901	42.173	45.445	31.266	24.359
80.0	27.631	30.539	25.813	13.452	7.998
82.5	17.087	21.086	9.453	4.726	4.726
85.0	10.180	10.907	5.090	4.363	4.363
87.5	5.817	5.090	4.363	3.999	3.999
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	108.50	N.A.	12.60
0-30	232.24	N.A.	27.10
0-40	383.20	N.A.	44.70
0-60	685.56	N.A.	79.90
0-80	848.62	N.A.	98.90
0-90	857.86	N.A.	100.00
10-90	830.00	N.A.	96.80
20-40	274.70	N.A.	32.00
20-50	433.18	N.A.	50.50
40-70	410.02	N.A.	47.80
60-80	163.06	N.A.	19.00
70-80	55.39	N.A.	6.50
80-90	9.25	N.A.	1.10
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	857.86	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	27.86
10-20	80.64
20-30	123.73
30-40	150.97
40-50	158.48
50-60	143.88
60-70	107.67
70-80	55.39
80-90	9.25
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

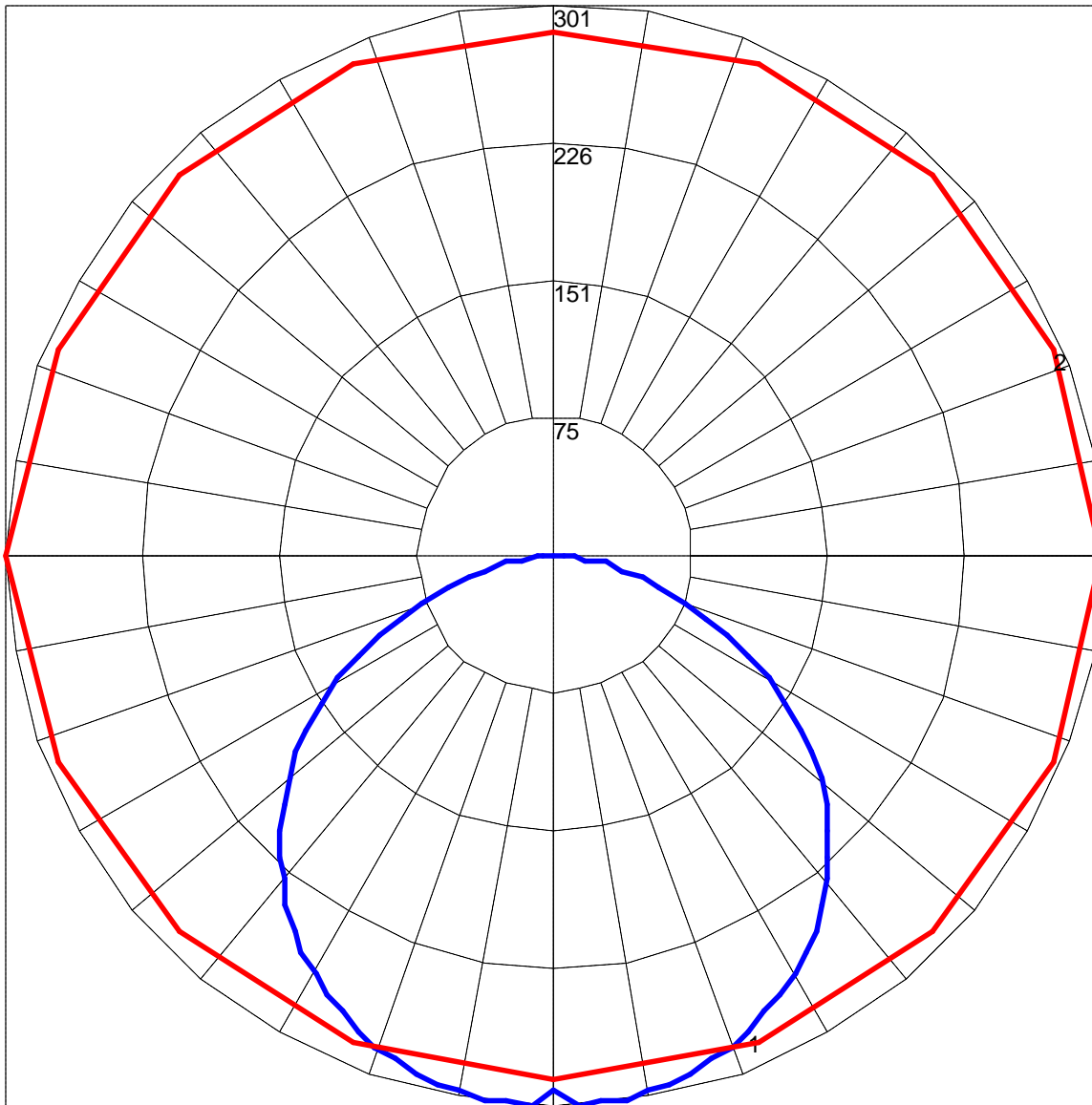
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	96	106	102	98	95	98	95	92	94	91	89	90	88	86	84
2	99	91	84	79	96	89	83	78	86	80	76	82	78	74	79	76	72	70
3	90	80	72	65	88	78	71	65	75	69	63	72	67	62	70	65	61	59
4	83	71	62	55	80	69	61	55	67	60	54	64	58	53	62	57	52	50
5	76	63	54	47	74	62	53	47	60	52	47	58	51	46	56	50	46	43
6	70	57	48	41	68	56	47	41	54	46	41	52	45	40	51	45	40	38
7	65	51	42	36	63	50	42	36	49	41	36	47	41	36	46	40	35	33
8	60	47	38	32	59	46	38	32	45	37	32	43	37	32	42	36	32	30
9	56	43	35	29	55	42	34	29	41	34	29	40	33	29	39	33	28	27
10	53	40	32	26	51	39	31	26	38	31	26	37	31	26	36	30	26	24

POLAR GRAPH



Maximum Candela = 301.028 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.)