



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

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]LED-5171B
[TESTLAB]LSI INDUSTRIES
[ISSUE DATE]05/14/14
[TEST DATE]02/19/14
[MANUFACTURER]LSI INDUSTRIES
[LUMEN CATEGORY]LXC2-12-LED-NW-24
[ABSOLUTE]NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.
[OTHER]TEST PROCEDURE: IESNA LM-79-08
[ABSOLUTE LUMENS]866

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	866
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	106
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	26418	25135	24559
55	25476	24385	24058
65	22212	22804	22878
75	16321	19223	16200
85	6103	2872	1436

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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	294.969	294.969	294.969	294.969	294.969
2.5	304.789	298.606	294.605	291.332	288.422
5.0	304.062	298.242	294.241	291.332	288.058
7.5	302.970	297.515	293.514	290.604	287.331
10.0	301.516	295.696	291.695	289.149	285.876
12.5	299.333	293.878	289.513	286.967	284.057
15.0	296.787	290.968	286.967	284.057	281.148
17.5	293.514	287.695	283.330	280.420	277.874
20.0	289.877	283.694	279.329	276.420	273.510
22.5	285.149	279.329	274.601	271.691	268.782
25.0	280.057	274.601	269.509	266.599	263.326
27.5	274.237	269.145	263.690	260.780	257.143
30.0	267.691	262.962	257.143	254.233	250.960
32.5	260.780	256.052	250.232	246.959	244.049
35.0	253.506	248.414	242.595	239.685	236.411
37.5	244.777	240.412	234.229	231.683	228.774
40.0	236.411	231.683	225.136	222.591	220.408
42.5	226.955	222.227	216.044	213.498	211.679
45.0	217.135	212.407	206.587	204.041	201.859
47.5	206.587	201.859	196.040	194.221	192.403
50.0	194.949	190.584	185.492	184.037	181.855
52.5	183.310	178.582	173.853	173.126	171.307
55.0	169.853	165.852	162.578	162.215	160.396
57.5	155.668	152.394	150.212	150.576	149.121
60.0	139.665	138.574	137.846	138.210	137.846
62.5	124.753	124.025	125.116	125.844	125.844
65.0	109.113	109.113	112.023	113.114	112.386
67.5	94.201	94.565	98.565	100.020	99.657
70.0	78.561	80.380	84.744	86.563	85.472
72.5	62.922	66.559	70.923	70.560	62.922
75.0	49.101	52.374	57.830	50.556	48.737
77.5	34.916	39.644	39.281	33.098	30.915
80.0	23.641	28.369	25.096	17.094	16.003
82.5	13.457	17.822	11.275	8.002	4.365
85.0	6.183	8.002	2.910	1.819	1.455
87.5	1.455	1.819	1.091	1.091	1.091
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	109.33	N.A.	12.60
0-30	234.05	N.A.	27.00
0-40	386.60	N.A.	44.60
0-60	693.27	N.A.	80.00
0-80	858.43	N.A.	99.10
0-90	866.10	N.A.	100.00
10-90	838.02	N.A.	96.80
20-40	277.28	N.A.	32.00
20-50	437.72	N.A.	50.50
40-70	416.68	N.A.	48.10
60-80	165.16	N.A.	19.10
70-80	55.14	N.A.	6.40
80-90	7.68	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	866.10	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	28.08
10-20	81.24
20-30	124.73
30-40	152.55
40-50	160.44
50-60	146.22
60-70	110.01
70-80	55.14
80-90	7.68
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

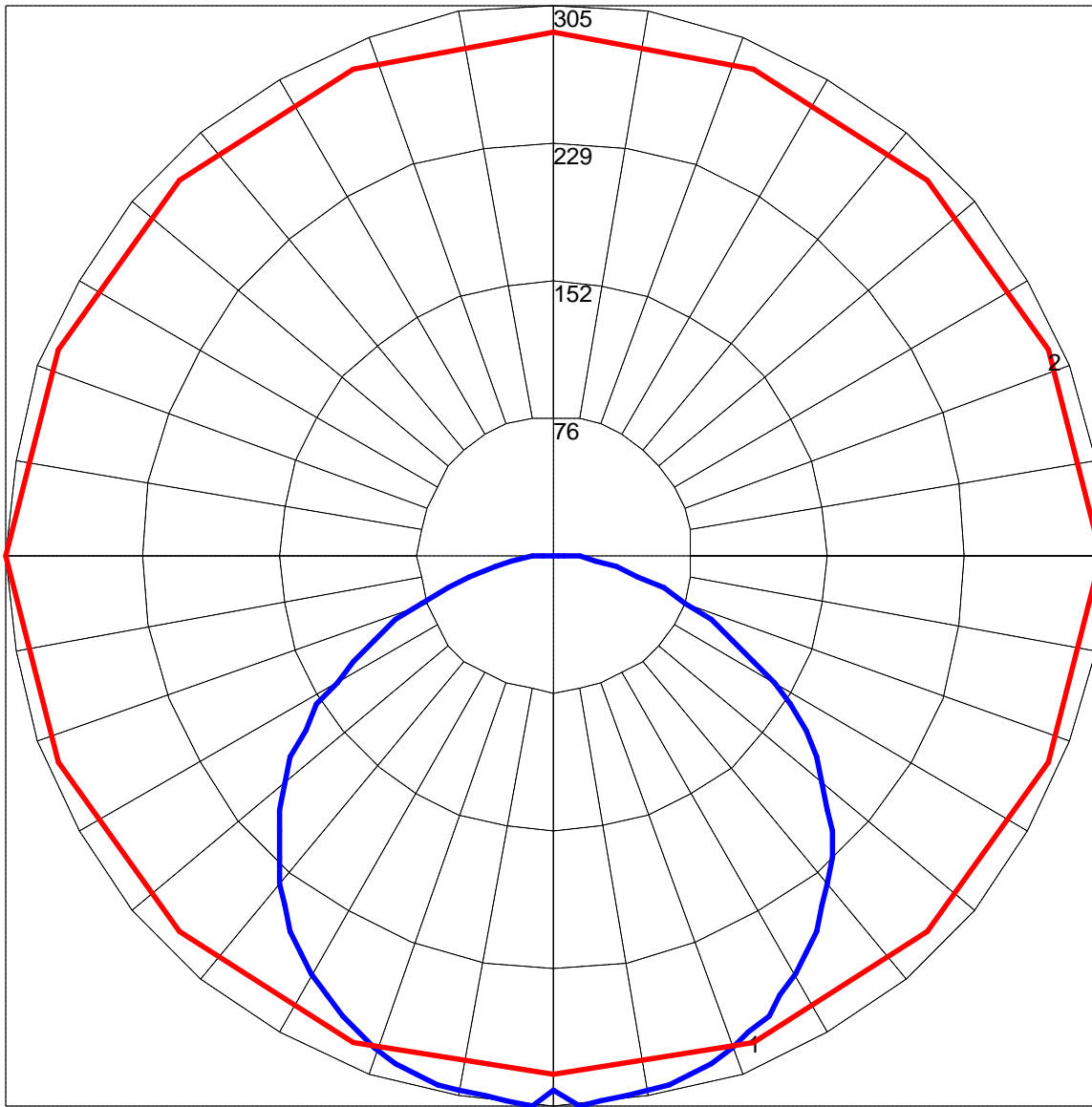
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	92	89	90	88	87	84
2	99	91	84	79	97	89	83	78	86	80	76	82	78	74	79	76	73	70
3	90	80	72	65	88	78	71	65	75	69	64	73	67	62	70	65	61	59
4	83	71	62	55	80	69	61	55	67	60	54	64	58	53	62	57	53	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 = 304.789 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.)