



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : LXC2-36-LED-CW-24.IES**

**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
[TEST]LED-5198A  
[TESTLAB]LSI INDUSTRIES  
[ISSUE DATE]02/25/14  
[TEST DATE]02/25/14  
[MANUFACTURER]LSI INDUSTRIES  
[LUMEN CATEGORY]LXC2-36-LED-CW-24  
[ABSOLUTE]NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.  
[OTHER]TEST PROCEDURE: IESNA LM-79-08  
[ABSOLUTE LUMENS]2628

**CHARACTERISTICS**

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2628
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	135
Total Luminaire Watts	19.5
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)	2.75 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	29156	27828	27209
55	28089	27162	26725
65	25094	25390	25538
75	18010	21032	18131
85	8256	2513	1795

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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>	881	881	881	881	881
<b>2.5</b>	909	893	878	869	861
<b>5.0</b>	908	892	878	868	860
<b>7.5</b>	906	889	875	865	858
<b>10.0</b>	901	885	871	862	855
<b>12.5</b>	895	879	864	856	849
<b>15.0</b>	888	872	857	848	842
<b>17.5</b>	879	862	848	838	832
<b>20.0</b>	868	852	838	826	822
<b>22.5</b>	856	840	826	813	807
<b>25.0</b>	842	826	811	798	791
<b>27.5</b>	825	810	795	781	774
<b>30.0</b>	807	793	777	764	756
<b>32.5</b>	786	773	757	743	736
<b>35.0</b>	763	752	736	722	715
<b>37.5</b>	740	729	712	698	692
<b>40.0</b>	716	703	686	673	668
<b>42.5</b>	689	676	658	646	642
<b>45.0</b>	659	646	629	619	615
<b>47.5</b>	629	615	599	590	586
<b>50.0</b>	595	582	567	560	554
<b>52.5</b>	555	546	533	528	522
<b>55.0</b>	515	509	498	495	490
<b>57.5</b>	473	468	462	460	456
<b>60.0</b>	428	426	425	423	420
<b>62.5</b>	384	380	384	384	384
<b>65.0</b>	339	336	343	346	345
<b>67.5</b>	293	291	301	306	303
<b>70.0</b>	246	248	258	265	261
<b>72.5</b>	194	204	215	224	215
<b>75.0</b>	149	161	174	164	150
<b>77.5</b>	111	123	131	100	75
<b>80.0</b>	77	87	82	42	35
<b>82.5</b>	45	57	30	10	8
<b>85.0</b>	23	30	7	5	5
<b>87.5</b>	8	7	5	4	4
<b>90.0</b>	0	0	0	0	0

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	326.85	N.A.	12.40
0-30	701.68	N.A.	26.70
0-40	1162.81	N.A.	44.20
0-60	2097.83	N.A.	79.80
0-80	2605.68	N.A.	99.10
0-90	2628.44	N.A.	100.00
10-90	2544.62	N.A.	96.80
20-40	835.95	N.A.	31.80
20-50	1323.91	N.A.	50.40
40-70	1272.46	N.A.	48.40
60-80	507.85	N.A.	19.30
70-80	170.42	N.A.	6.50
80-90	22.76	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	2628.44	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	83.83
10-20	243.03
20-30	374.83
30-40	461.13
40-50	487.96
50-60	447.06
60-70	337.44
70-80	170.42
80-90	22.76
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

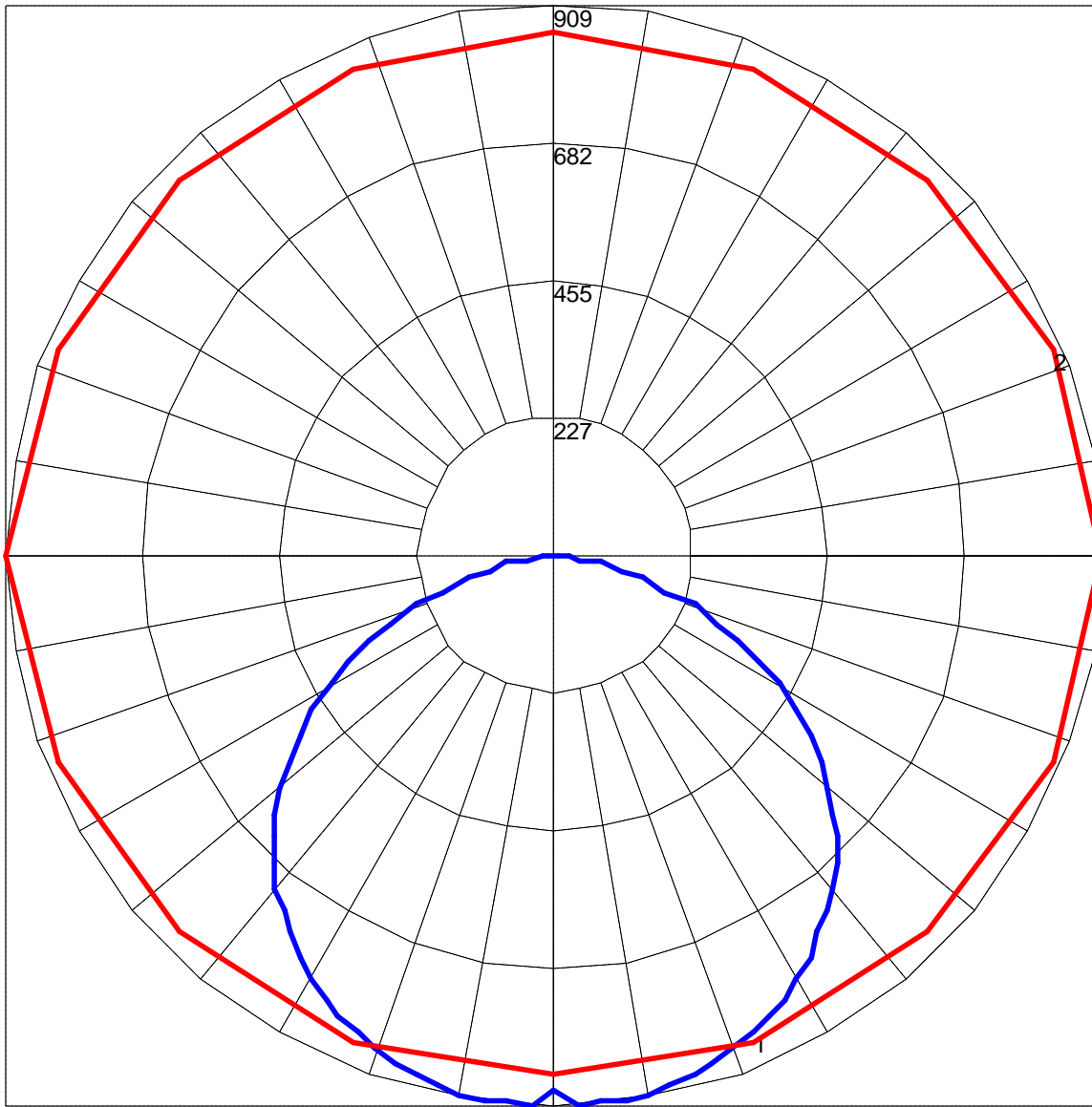
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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 = 909 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.)