IES INDOOR REPORT
PHOTOMETRIC FILENAME : XIRR-S-LED-12-35.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]LED-8215
[TESTLAB]LSI INDUSTRIES, INC
[ISSUEDATE]10/13/16
[TESTDATE]10/13/16
[MANUFAC]LSI INDUSTRIES, INC
[LUMCAT]XIRR-S-LED-12-35
[_ABSOLUTE]NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.
[OTHER]TEST PROCEDURE: IESNA LM-79-08
[_SEARCH_SOURCETYPE] LED
[_SEARCH_APPLICATION] Indoor

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	11929
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	106
Total Luminaire Watts	112.5
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.22
Spacing Criterion (90-270)	1.22
Spacing Criterion (Diagonal)	1.30
Basic Luminous Shape	Circular
Luminous Length (0-180)	1.13 ft (Diameter)
Luminous Width (90-270)	1.13 ft (Diameter)
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	42243	42411	42594
55	38006	38213	38421
65	33509	33739	33995
75	27337	27546	27797
85	15764	16013	16137

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CANDELA TABULATION

	0.0	22.5	45.0	67.5	90.0
0.0	4735	4735	4735	4735	4735
2.5	4742	4742	4743	4743	4743
5.0	4732	4733	4733	4732	4733
7.5	4706	4706	4706	4706	4707
10.0	4664	4662	4665	4665	4666
12.5	4605	4605	4608	4610	4610
15.0	4535	4533	4539	4541	4542
17.5	4446	4448	4453	4457	4459
20.0	4348	4350	4356	4362	4363
22.5	4237	4240	4244	4250	4255
25.0	4113	4117	4121	4129	4128
27.5	3977	3981	3986	3995	3994
30.0	3828	3833	3838	3844	3847
32.5	3668	3672	3678	3680	3679
35.0	3497	3502	3503	3506	3509
37.5	3321	3325	3322	3329	3333
40.0	3139	3139	3140	3148	3152
42.5	2946	2946	2957	2965	2969
45.0	2761	2761	2772	2780	2784
47.5	2566	2570	2582	2594	2598
50.0	2381	2385	2392	2405	2413
52.5	2197	2201	2208	2220	2219
55.0	2015	2020	2026	2029	2037
57.5	1836	1841	1847	1850	1849
60.0	1660	1666	1663	1669	1673
62.5	1488	1488	1489	1495	1499
65.0	1309	1309	1318	1324	1328
67.5	1141	1136	1145	1155	1158
70.0	969	972	976	985	984
72.5	809	811	815	820	822
75.0	654	656	659	660	665
77.5	505	507	507	507	507
80.0	365	367	367	367	367
82.5	232	238	238	240	240
85.0	127	123	129	127	130
87.5	38	40	43	45	47
90.0	0	0	0	0	0

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	1728.32	N.A.	14.50
0-30	3624.94	N.A.	30.40
0-40	5814.43	N.A.	48.70
0-60	9764.25	N.A.	81.90
0-80	11768.61	N.A.	98.70
0-90	11929.28	N.A.	100.00
10-90	11479.77	N.A.	96.20
20-40	4086.12	N.A.	34.30
20-50	6223.17	N.A.	52.20
40-70	5254.94	N.A.	44.10
60-80	2004.36	N.A.	16.80
70-80	699.24	N.A.	5.90
80-90	160.67	N.A.	1.30
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	11929.28	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	449.51
10-20	1278.81
20-30	1896.62
30-40	2189.5
40-50	2137.05
50-60	1812.76
60-70	1305.13
70-80	699.24
80-90	160.67
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	105	101	97	107	103	99	95	98	95	92	94	92	90	91	89	87	85
2	100	92	85	80	97	90	84	79	87	81	77	83	79	75	80	77	74	72
3	91	81	73	67	89	80	72	66	77	70	65	74	69	64	71	67	63	61
4	84	72	64	57	82	71	63	57	68	61	56	66	60	55	64	59	55	52
5	77	65	56	50	75	64	55	49	62	54	49	60	53	48	58	52	48	46
6	71	58	50	44	70	58	49	43	56	48	43	54	48	43	53	47	42	40
7	66	53	45	39	65	52	44	38	51	44	38	49	43	38	48	42	38	36
8	62	49	40	35	60	48	40	34	47	39	34	45	39	34	44	38	34	32
9	58	45	37	31	56	44	36	31	43	36	31	42	35	31	41	35	31	29
10	54	41	34	28	53	41	33	28	40	33	28	39	33	28	38	32	28	26

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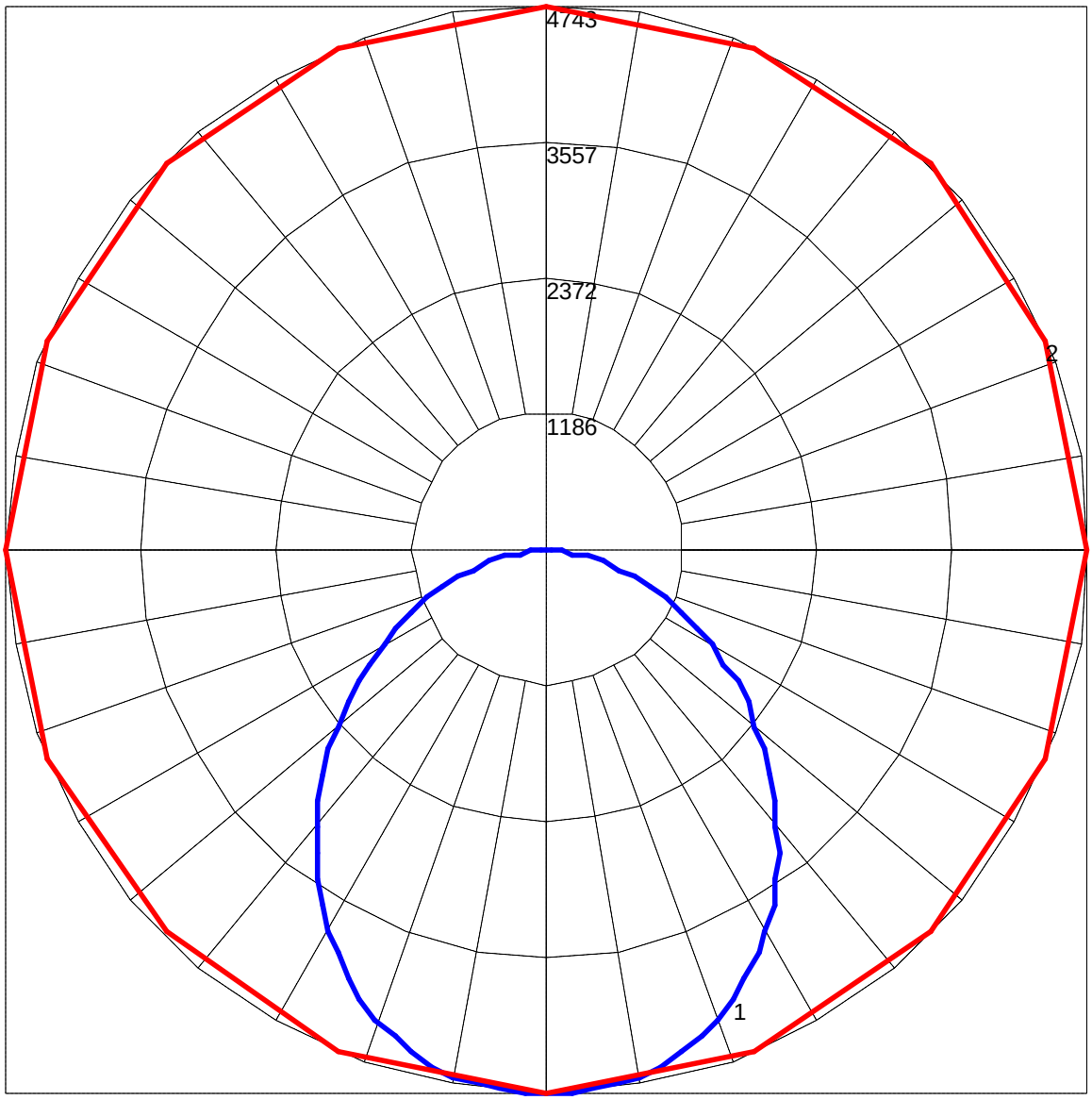
POLAR GRAPH



Maximum Candela = 4743 Located At Horizontal Angle = 45, Vertical Angle = 2.5
1 - Vertical Plane Through Horizontal Angles (45 - 225) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (2.5) (Through Max. Cd.)