

IES INDOOR REPORT**PHOTOMETRIC FILENAME : RDXX4XT-30LXXKXWE1-RD4XSGSOX.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002

[TESTLAB] Photopia 2014.1.0 see: www.ltioptics.com/ies

[ISSUE DATE]

[TEST DATE] Tue Jul 14 2015

[UPDATE] Thu Jan 21 2016

[TEST] SP-00480_M-30L

[MANUFAC] Spectrum Lighting

[LUMCAT] RDxx4LEDXT-30L-xxK-XW-E1-RD4x-SG-SOX

[LUMINAIRE] 4" aperture, Xtra Wide Beam

[TRIM] Semi-diffuse, regressed Solite Lens

[LAMP] N/A, Min. 83 CRI

[LAMPCAT] N/A

[OTHER] Total Luminaire Watts is approximate

[OTHER] For Housings: RDFO4 and RDZO4 series

[OTHER] For Trims: RD4F and RD4N series with SOX or SOW

[OTHER] LEDXT lumen output is the same for all available color temperatures

[OTHER] This report prepared by Spectrum Lighting, scaled from 50L report

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2192
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	63
Total Luminaire Watts	34.6
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.76
Spacing Criterion (90-270)	0.76
Spacing Criterion (Diagonal)	0.74
Basic Luminous Shape	Point
Luminous Length (0-180)	0.00 ft
Luminous Width (90-270)	0.00 ft
Luminous Height	0.00 ft

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LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	0	0	0
55	0	0	0
65	0	0	0
75	0	0	0
85	0	0	0

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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	3421.986	3421.986	3421.986	3421.986	3421.986
5	3323.484	3300.114	3310.212	3310.644	3286.974
10	3071.856	3079.614	3098.496	3083.898	3113.082
15	2668.044	2651.298	2649.156	2648.718	2655.144
20	2111.964	2110.080	2116.494	2113.872	2127.198
25	1505.298	1517.448	1505.640	1504.620	1513.086
30	902.484	896.322	900.708	897.588	899.010
35	429.942	431.700	429.282	425.610	424.620
40	206.490	213.510	210.732	209.478	207.174
45	123.780	123.648	123.702	121.986	120.408
50	74.898	73.836	74.220	74.520	72.966
55	45.186	43.302	44.088	42.882	42.822
60	26.862	26.196	26.682	26.172	26.544
65	12.324	12.810	13.422	13.482	12.852
70	1.404	1.872	1.926	2.880	4.032
75	1.014	1.788	1.590	6.504	8.286
80	0.576	2.808	2.178	4.650	5.142
85	0.324	1.386	2.154	2.658	2.970
90	0.102	0.630	1.308	1.866	2.094

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	1042.71	N.A.	47.60
0-30	1727.57	N.A.	78.80
0-40	2029.57	N.A.	92.60
0-60	2172.8	N.A.	99.10
0-80	2189.69	N.A.	99.90
0-90	2191.94	N.A.	100.00
10-90	1882.73	N.A.	85.90
20-40	986.86	N.A.	45.00
20-50	1088.32	N.A.	49.70
40-70	156.74	N.A.	7.20
60-80	16.88	N.A.	0.80
70-80	3.37	N.A.	0.20
80-90	2.25	N.A.	0.10
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	2191.94	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	309.21
10-20	733.50
20-30	684.86
30-40	302.00
40-50	101.46
50-60	41.77
60-70	13.51
70-80	3.37
80-90	2.25
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

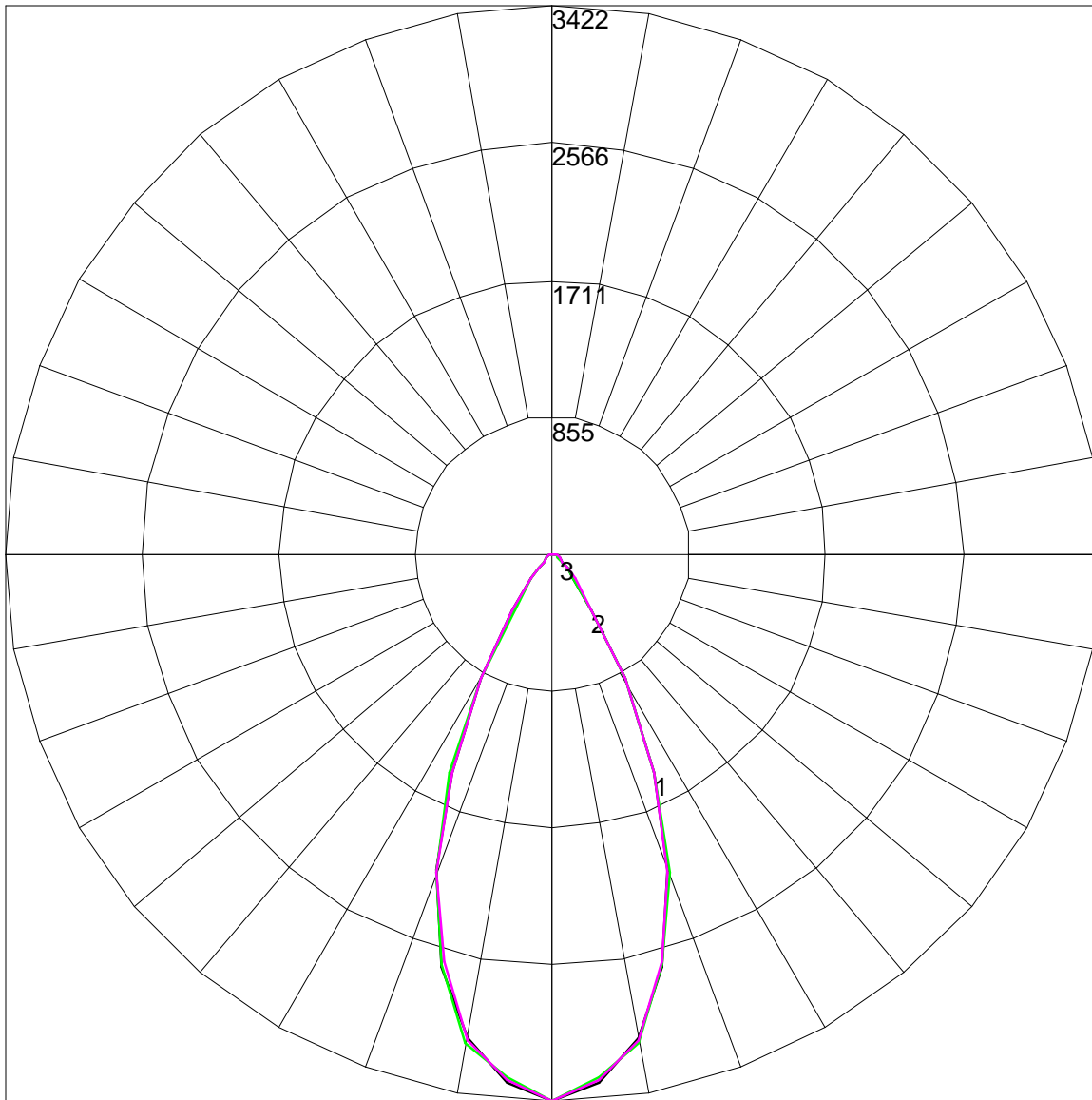
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	114	111	109	107	111	109	107	105	105	103	102	101	100	99	98	97	96	94
2	108	104	100	97	106	102	99	96	99	96	94	96	94	92	93	91	90	88
3	103	97	93	89	101	96	92	88	93	90	87	91	88	85	89	86	84	83
4	99	91	86	82	97	90	85	82	88	84	81	86	83	80	84	81	79	77
5	94	86	81	77	92	85	80	76	83	79	76	82	78	75	80	77	74	73
6	90	81	76	72	88	81	75	71	79	74	71	78	74	71	76	73	70	69
7	86	77	71	67	84	76	71	67	75	70	67	74	70	67	73	69	66	65
8	82	73	67	64	81	73	67	63	71	67	63	70	66	63	70	66	63	61
9	79	69	64	60	77	69	64	60	68	63	60	67	63	60	66	62	60	58
10	75	66	61	57	74	66	61	57	65	60	57	64	60	57	64	59	57	55

POLAR GRAPH



Maximum Candela = 3421.986 Located At Horizontal Angle = 0, Vertical Angle = 0

1 - Vertical Plane Through Horizontal Angles (0 - 180)

2 - Vertical Plane Through Horizontal Angles (90 - 270)

3 - Vertical Plane Through Horizontal Angles (45 - 225)