

IES INDOOR REPORT**PHOTOMETRIC FILENAME : RDXX4XT-13LXXKXWE1-RD4XSGSOX.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002

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

[ISSUEDATE]

[TESTDATE] Tue Jul 14 2015

[UPDATE] Thu Oct 22 2015

[TEST] SP-00480_M-13L

[MANUFAC] Spectrum Lighting

[LUMCAT] RDxx4LEDXT-13L-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: RDFI4, RDFO4, RDZI4, 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	950
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	63
Total Luminaire Watts	15
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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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	1482.861	1482.861	1482.861	1482.861	1482.861
5	1440.176	1430.049	1434.425	1434.612	1424.355
10	1331.138	1334.499	1342.682	1336.356	1349.002
15	1156.152	1148.896	1147.968	1147.778	1150.562
20	915.184	914.368	917.147	916.011	921.786
25	652.296	657.561	652.444	652.002	655.671
30	391.076	388.406	390.307	388.955	389.571
35	186.308	187.070	186.022	184.431	184.002
40	89.479	92.521	91.317	90.774	89.775
45	53.638	53.581	53.604	52.861	52.177
50	32.456	31.996	32.162	32.292	31.619
55	19.581	18.764	19.105	18.582	18.556
60	11.640	11.352	11.562	11.341	11.502
65	5.340	5.551	5.816	5.842	5.569
70	0.608	0.811	0.835	1.248	1.747
75	0.439	0.775	0.689	2.818	3.591
80	0.250	1.217	0.944	2.015	2.228
85	0.140	0.601	0.933	1.152	1.287
90	0.044	0.273	0.567	0.809	0.907

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	451.84	N.A.	47.60
0-30	748.61	N.A.	78.80
0-40	879.48	N.A.	92.60
0-60	941.55	N.A.	99.10
0-80	948.86	N.A.	99.90
0-90	949.84	N.A.	100.00
10-90	815.85	N.A.	85.90
20-40	427.64	N.A.	45.00
20-50	471.61	N.A.	49.70
40-70	67.92	N.A.	7.20
60-80	7.32	N.A.	0.80
70-80	1.46	N.A.	0.20
80-90	0.98	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	949.84	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	133.99
10-20	317.85
20-30	296.77
30-40	130.87
40-50	43.97
50-60	18.10
60-70	5.85
70-80	1.46
80-90	0.98
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

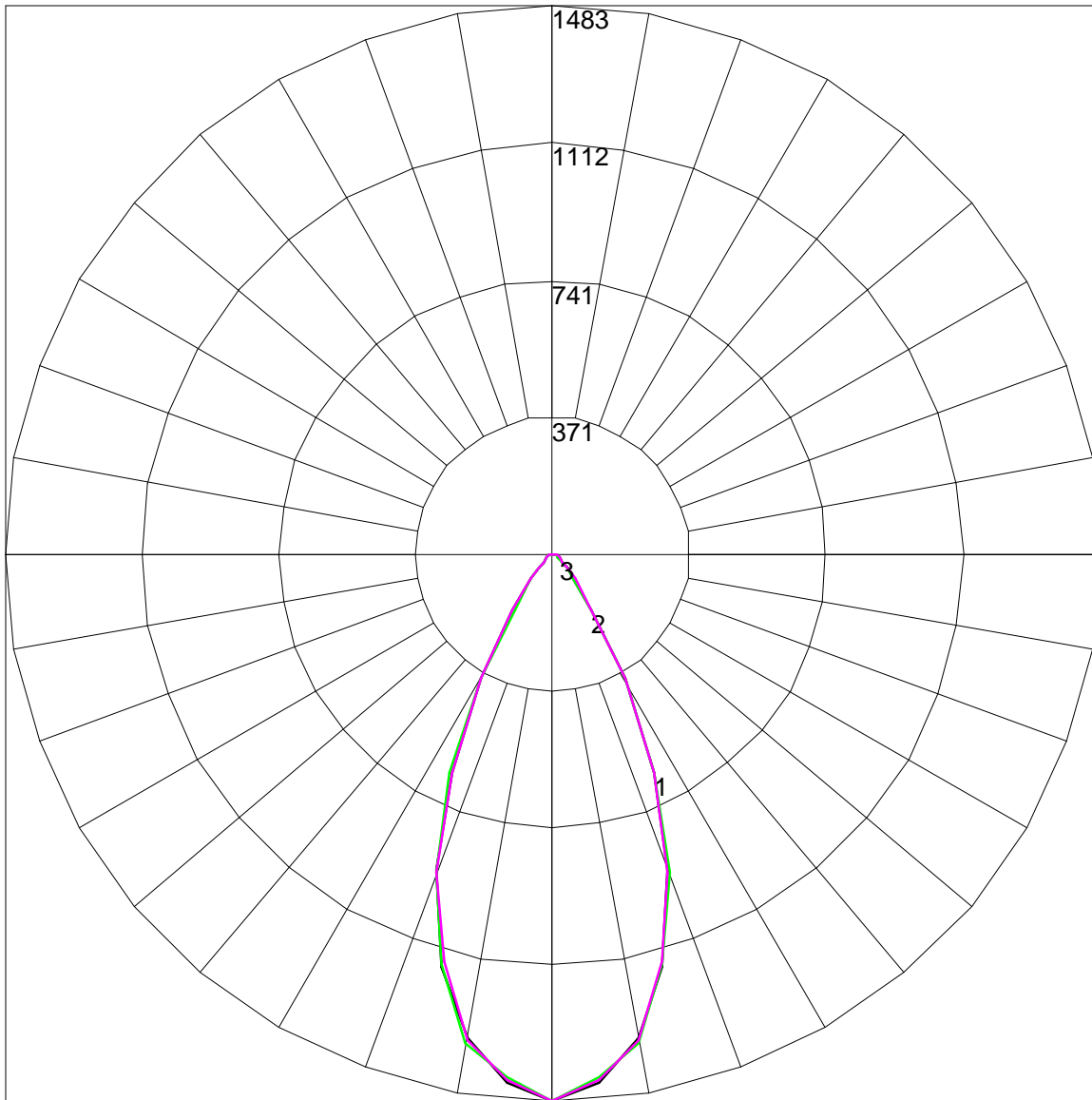
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	63	59	57	55

POLAR GRAPH



Maximum Candela = 1482.861 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)