

IES INDOOR REPORT**PHOTOMETRIC FILENAME : RDXX4XT-13LXXKMDE1-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] Tue Feb 9 2016

[TEST] SP-00480_2_M-13L

[MANUFAC] Spectrum Lighting

[LUMCAT] RDxx4LEXT-13L-xxK-MD-E1-RD4x-SG-SOX

[LUMINAIRE] 4" aperture, Medium 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	864
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	58
Total Luminaire Watts	15
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.64
Spacing Criterion (90-270)	0.64
Spacing Criterion (Diagonal)	0.70
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	1577.506	1577.506	1577.506	1577.506	1577.506
5	1501.378	1500.957	1484.317	1485.796	1485.864
10	1294.007	1298.344	1295.289	1305.065	1305.977
15	1040.744	1036.337	1034.236	1035.057	1036.937
20	780.325	782.371	788.128	785.491	782.717
25	568.233	568.503	570.443	570.463	575.104
30	338.179	341.289	338.715	339.310	338.980
35	151.161	152.864	153.686	151.247	149.734
40	73.684	74.339	74.568	74.170	72.972
45	49.210	49.325	50.346	48.204	50.310
50	33.855	34.915	34.216	34.349	33.561
55	23.161	22.945	23.390	23.062	22.958
60	14.968	14.669	15.184	15.252	15.571
65	6.349	6.929	7.275	6.789	6.578
70	0.650	0.811	0.858	1.609	2.241
75	0.538	0.803	0.816	3.531	4.974
80	0.413	2.421	2.070	4.007	4.599
85	0.216	0.710	1.017	1.214	1.162
90	0.057	0.447	0.770	0.842	0.879

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	425.11	N.A.	49.20
0-30	682.32	N.A.	78.90
0-40	792.44	N.A.	91.70
0-60	853.53	N.A.	98.70
0-80	863.00	N.A.	99.80
0-90	864.41	N.A.	100.00
10-90	727.89	N.A.	84.20
20-40	367.32	N.A.	42.50
20-50	407.10	N.A.	47.10
40-70	68.47	N.A.	7.90
60-80	9.47	N.A.	1.10
70-80	2.09	N.A.	0.20
80-90	1.42	N.A.	0.20
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	864.41	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	136.52
10-20	288.59
20-30	257.21
30-40	110.12
40-50	39.78
50-60	21.31
60-70	7.38
70-80	2.09
80-90	1.42
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

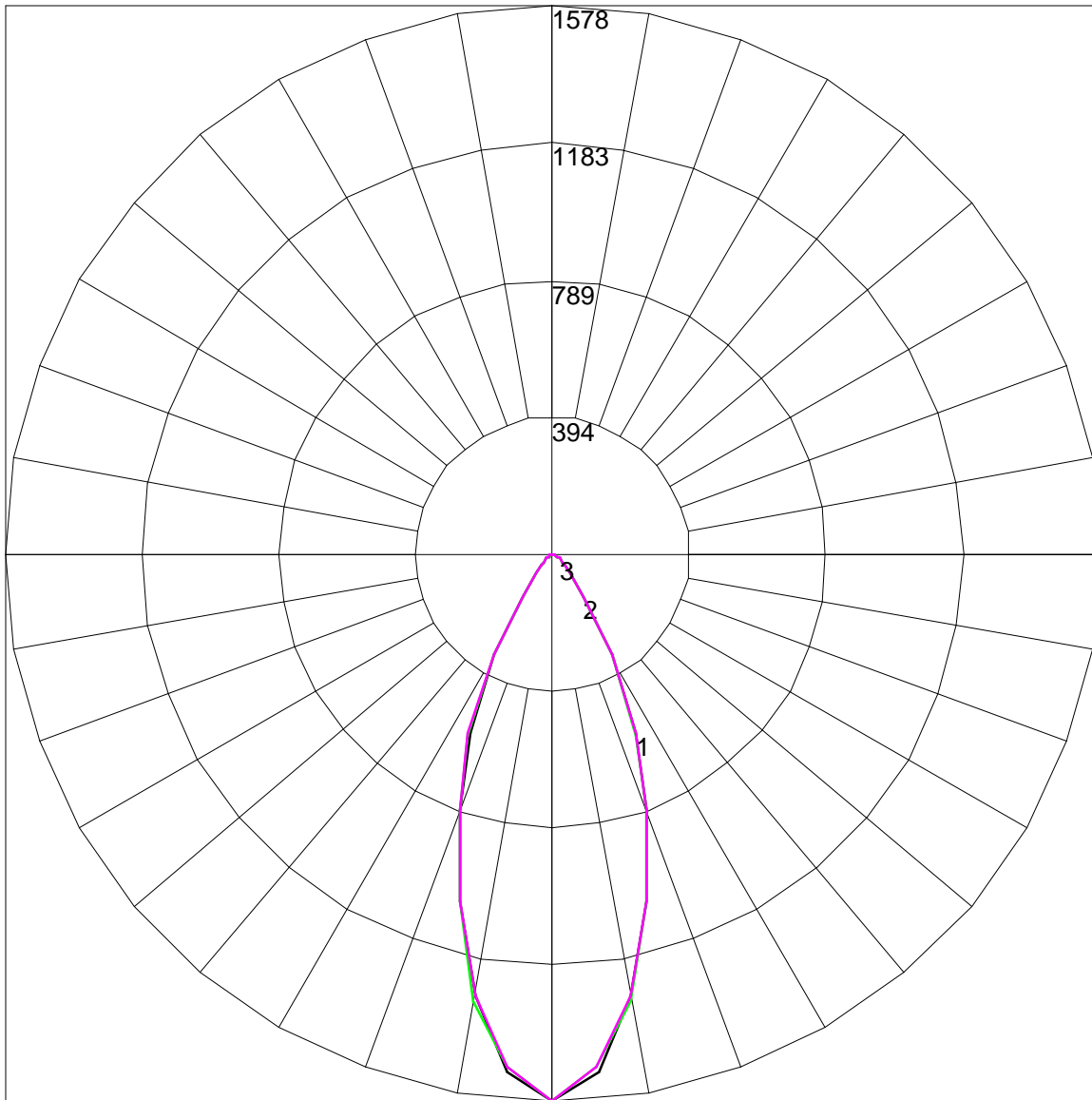
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	92	86	82	97	90	86	82	88	84	81	86	83	80	85	82	79	78
5	94	86	81	77	93	85	80	76	84	79	76	82	78	75	81	77	75	73
6	90	82	76	72	89	81	76	72	79	75	71	78	74	71	77	73	70	69
7	86	77	72	68	85	77	71	68	76	71	67	74	70	67	73	70	67	65
8	82	74	68	64	81	73	68	64	72	67	64	71	67	63	70	66	63	62
9	79	70	65	61	78	70	64	61	69	64	61	68	63	60	67	63	60	59
10	76	67	61	58	75	66	61	58	66	61	58	65	61	57	64	60	57	56

POLAR GRAPH



Maximum Candela = 1577.506 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)