

IES INDOOR REPORT**PHOTOMETRIC FILENAME : RDX4XT-10LXXKWDE1-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_1_M-10L

[MANUFAC] Spectrum Lighting

[LUMCAT] RDxx4LEDXT-10L-xxK-WD-E1-RD4x-SG-SOX

[LUMINAIRE] 4" aperture, 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	682
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	61
Total Luminaire Watts	11.1
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.78
Spacing Criterion (90-270)	0.78
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	1061.583	1061.583	1061.583	1061.583	1061.583
5	1036.424	1041.627	1037.263	1035.997	1044.782
10	990.688	982.970	995.177	988.600	987.826
15	877.967	874.244	877.965	876.519	864.163
20	686.789	692.828	693.874	695.991	690.730
25	459.938	462.876	463.789	462.671	460.751
30	252.019	254.339	254.525	255.080	253.372
35	113.422	113.635	113.891	113.947	112.019
40	56.072	56.124	55.956	55.466	55.599
45	35.987	35.622	35.564	35.578	35.251
50	24.378	23.372	23.243	23.583	23.700
55	15.284	14.975	14.793	14.853	14.880
60	9.391	9.712	9.405	9.629	9.698
65	4.667	4.634	5.037	5.086	4.891
70	0.490	0.648	0.731	1.117	1.644
75	0.353	0.558	0.620	2.876	3.725
80	0.376	1.834	1.594	3.003	3.433
85	0.145	0.604	0.938	1.079	1.096
90	0.027	0.284	0.641	0.677	0.776

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	337.43	N.A.	49.50
0-30	549.28	N.A.	80.50
0-40	631.69	N.A.	92.60
0-60	674.61	N.A.	98.90
0-80	681.18	N.A.	99.80
0-90	682.33	N.A.	100.00
10-90	584.67	N.A.	85.70
20-40	294.26	N.A.	43.10
20-50	323.15	N.A.	47.40
40-70	47.89	N.A.	7.00
60-80	6.57	N.A.	1.00
70-80	1.60	N.A.	0.20
80-90	1.15	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	682.33	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	97.65
10-20	239.78
20-30	211.85
30-40	82.41
40-50	28.88
50-60	14.03
60-70	4.98
70-80	1.60
80-90	1.15
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

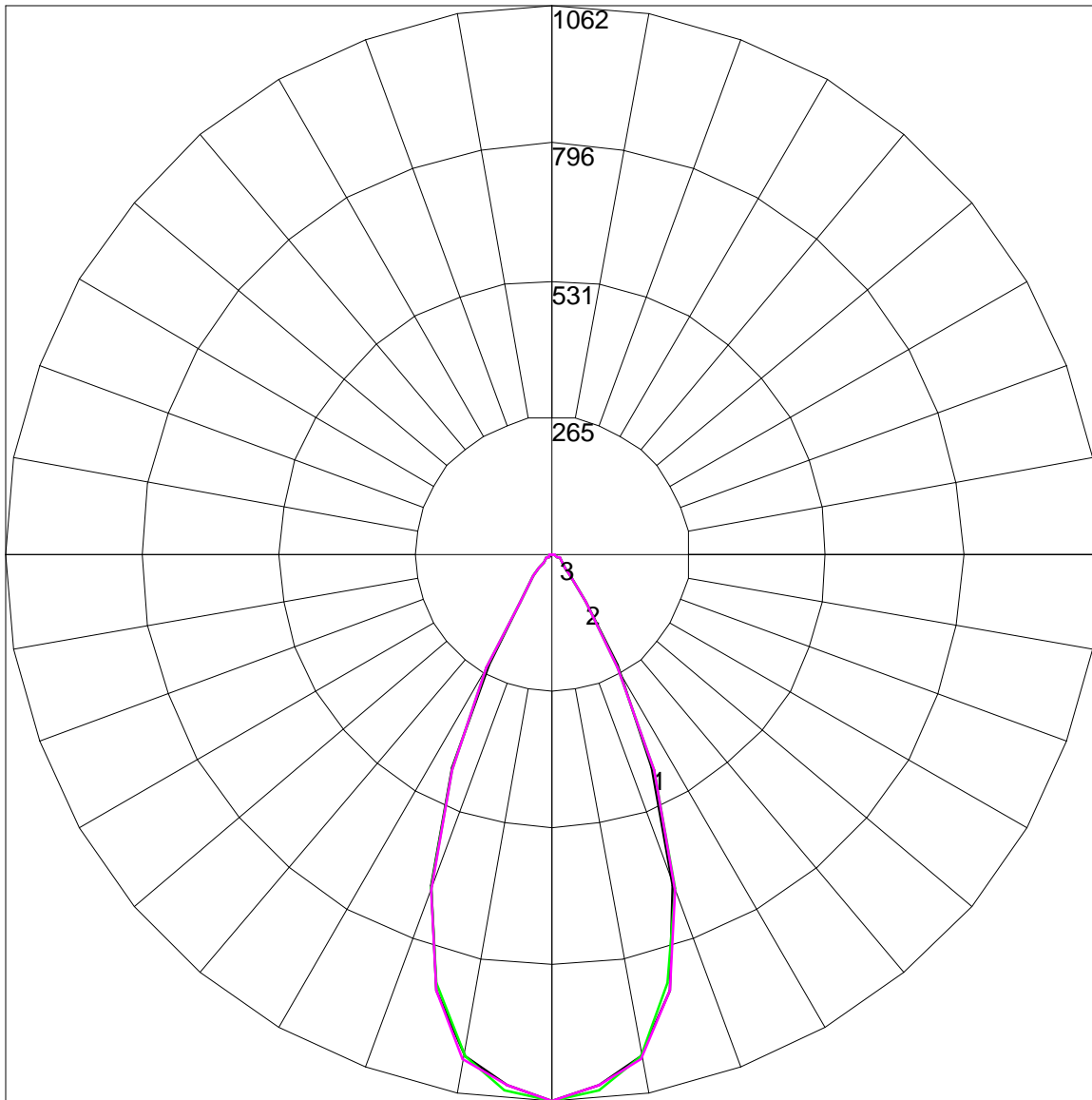
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	109	104	100	97	106	102	99	96	99	96	94	96	94	92	93	91	90	88
3	104	97	93	89	102	96	92	88	94	90	87	91	88	86	89	86	84	83
4	99	92	87	83	97	91	86	82	88	84	81	87	83	80	85	82	79	78
5	94	87	81	77	93	86	81	77	84	79	76	82	78	75	81	77	75	73
6	90	82	76	72	89	81	76	72	80	75	72	78	74	71	77	73	71	69
7	86	78	72	68	85	77	72	68	76	71	68	75	70	67	73	70	67	65
8	82	74	68	64	81	73	68	64	72	67	64	71	67	64	70	66	63	62
9	79	70	65	61	78	70	64	61	69	64	61	68	64	60	67	63	60	59
10	76	67	61	58	75	66	61	58	66	61	58	65	61	58	64	60	57	56

POLAR GRAPH



Maximum Candela = 1061.583 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)