

IES INDOOR REPORT**PHOTOMETRIC FILENAME : RDXX4XT-20LXXKMDE1-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-20L

[MANUFAC] Spectrum Lighting

[LUMCAT] RDxx4LEXT-20L-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	1330
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	56
Total Luminaire Watts	23.7
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	2426.932	2426.932	2426.932	2426.932	2426.932
5	2309.812	2309.164	2283.564	2285.840	2285.944
10	1990.780	1997.452	1992.752	2007.792	2009.196
15	1601.144	1594.364	1591.132	1592.396	1595.288
20	1200.500	1203.648	1212.504	1208.448	1204.180
25	874.204	874.620	877.604	877.636	884.776
30	520.276	525.060	521.100	522.016	521.508
35	232.556	235.176	236.440	232.688	230.360
40	113.360	114.368	114.720	114.108	112.264
45	75.708	75.884	77.456	74.160	77.400
50	52.084	53.716	52.640	52.844	51.632
55	35.632	35.300	35.984	35.480	35.320
60	23.028	22.568	23.360	23.464	23.956
65	9.768	10.660	11.192	10.444	10.120
70	1.000	1.248	1.320	2.476	3.448
75	0.828	1.236	1.256	5.432	7.652
80	0.636	3.724	3.184	6.164	7.076
85	0.332	1.092	1.564	1.868	1.788
90	0.088	0.688	1.184	1.296	1.352

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	654.02	N.A.	49.20
0-30	1049.72	N.A.	78.90
0-40	1219.13	N.A.	91.70
0-60	1313.13	N.A.	98.70
0-80	1327.69	N.A.	99.80
0-90	1329.87	N.A.	100.00
10-90	1119.83	N.A.	84.20
20-40	565.11	N.A.	42.50
20-50	626.31	N.A.	47.10
40-70	105.34	N.A.	7.90
60-80	14.56	N.A.	1.10
70-80	3.22	N.A.	0.20
80-90	2.18	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	1329.87	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	210.03
10-20	443.99
20-30	395.70
30-40	169.41
40-50	61.20
50-60	32.79
60-70	11.35
70-80	3.22
80-90	2.18
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

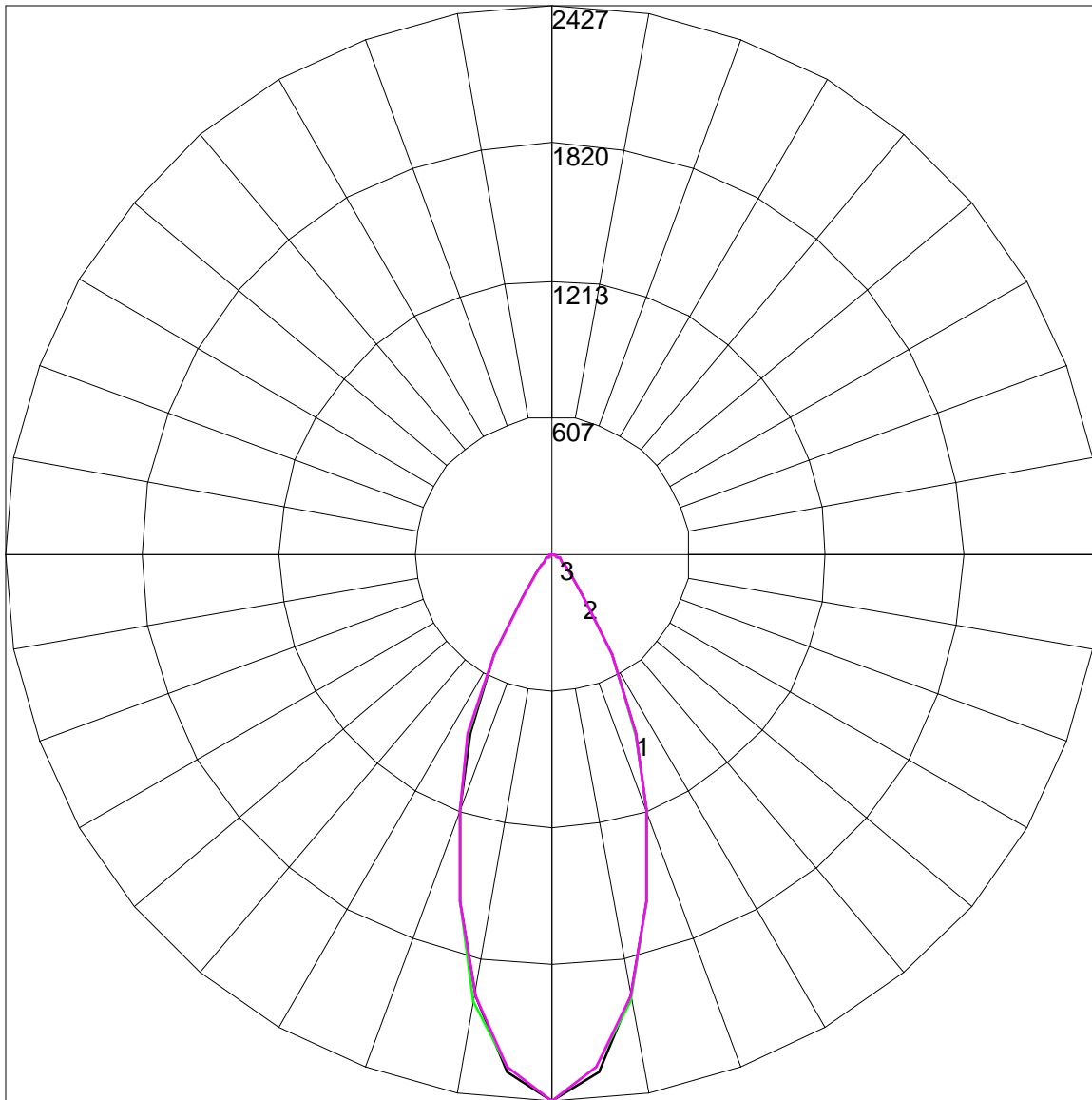
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	106	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	84	81	79	78
5	94	86	81	77	93	85	80	76	84	79	76	82	78	75	80	77	74	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	75	71	67	74	70	67	73	69	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	60	68	63	60	67	63	60	59
10	76	67	61	58	75	66	61	58	66	61	58	65	60	57	64	60	57	56

POLAR GRAPH



Maximum Candela = 2426.932 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)