

IES INDOOR REPORT**PHOTOMETRIC FILENAME : RDXX4XT-20LXXKNDE1-RD4XSGGLX.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002

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

[ISSUEDATE]

[TESTDATE] Tue Sep 08 2015

[UPDATE] Wed Nov 4 2015

[TEST] SP-00480_4_M-20L

[MANUFAC] Spectrum Lighting

[LUMCAT] RDxx4LEDXT-20L-xxK-ND-E1-RD4x-SG-GLX

[LUMINAIRE] 4" aperture, Narrow Beam

[TRIM] Semi-diffuse, regressed clear glass 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 GLX or GLW

[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	1715
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	72
Total Luminaire Watts	23.7
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.46
Spacing Criterion (90-270)	0.46
Spacing Criterion (Diagonal)	0.46
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	6480.340	6480.340	6480.340	6480.340	6480.340
5	6194.716	6197.816	6212.832	6241.824	6243.548
10	4662.876	4690.828	4709.560	4691.916	4652.492
15	2613.508	2627.180	2633.396	2629.416	2646.632
20	1155.196	1170.060	1173.220	1171.324	1171.516
25	688.808	688.548	687.732	691.836	693.476
30	372.588	371.668	371.300	374.876	373.348
35	63.432	65.736	65.508	62.484	64.032
40	18.964	18.288	18.832	17.224	16.520
45	11.252	9.828	9.864	8.252	8.480
50	7.840	6.716	6.224	6.176	5.808
55	6.204	4.968	4.592	5.332	5.488
60	3.100	3.220	3.236	3.816	3.860
65	1.916	2.448	2.704	2.792	3.144
70	0.360	0.668	0.624	1.300	2.108
75	0.240	0.892	0.700	3.700	4.996
80	0.128	3.580	2.268	4.784	5.520
85	0.104	0.288	0.608	0.624	0.688
90	0.020	0.056	0.296	0.384	0.340

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	1289.13	N.A.	75.20
0-30	1618.6	N.A.	94.40
0-40	1696.7	N.A.	98.90
0-60	1709.54	N.A.	99.70
0-80	1714.11	N.A.	99.90
0-90	1715.35	N.A.	100.00
10-90	1173.43	N.A.	68.40
20-40	407.58	N.A.	23.80
20-50	415.88	N.A.	24.20
40-70	15.22	N.A.	0.90
60-80	4.57	N.A.	0.30
70-80	2.20	N.A.	0.10
80-90	1.24	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	1715.35	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	541.92
10-20	747.20
20-30	329.47
30-40	78.11
40-50	8.31
50-60	4.53
60-70	2.38
70-80	2.20
80-90	1.24
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

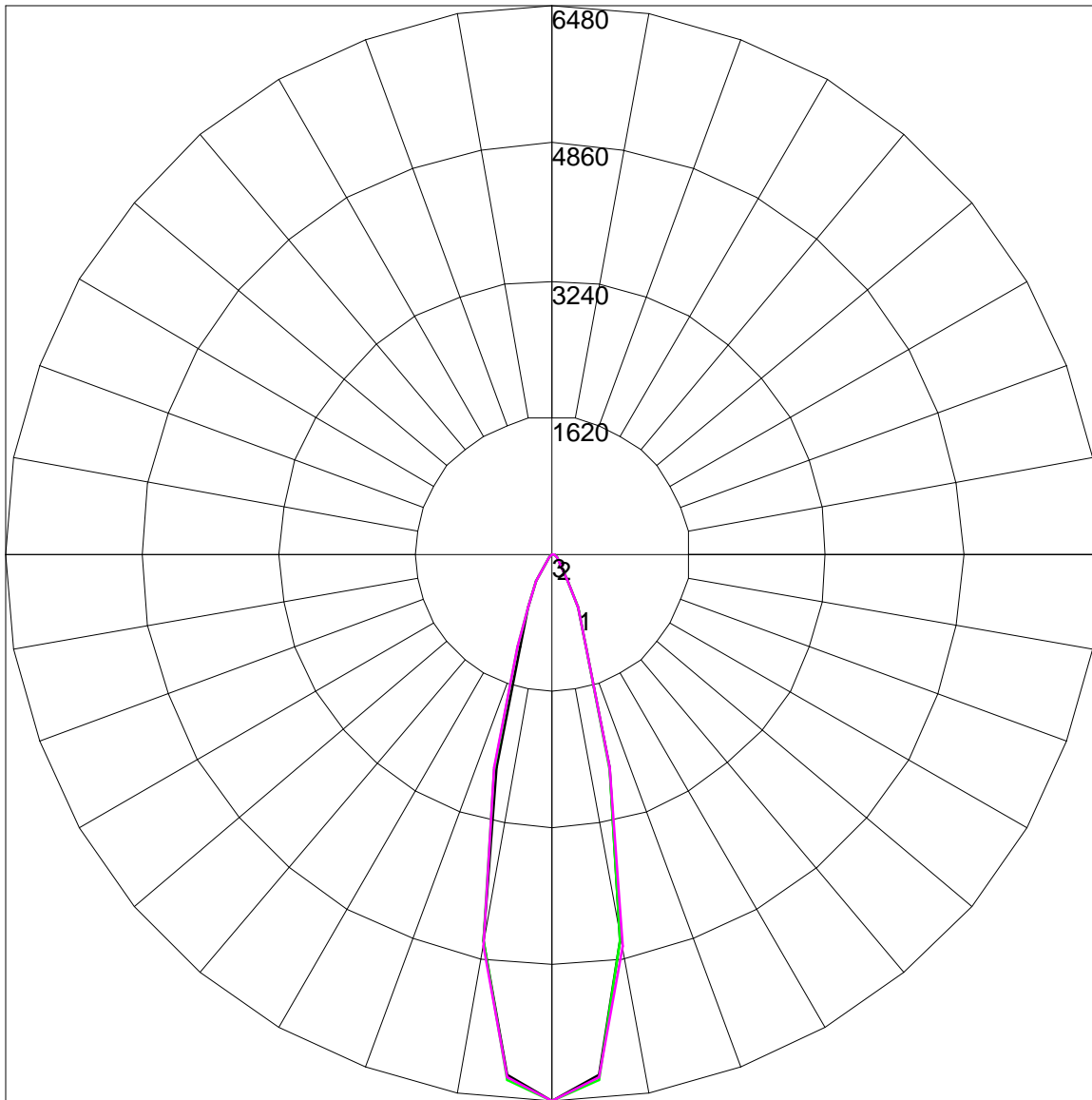
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	115	113	111	109	112	111	109	107	107	105	104	103	102	101	100	99	98	96
2	111	107	104	101	109	106	103	100	102	100	98	100	98	96	97	95	94	93
3	107	102	99	96	105	101	98	95	99	96	93	96	94	92	94	92	91	89
4	104	98	94	91	102	97	93	90	95	92	89	93	91	88	91	89	87	86
5	100	94	90	87	99	93	89	87	92	88	86	90	87	85	89	86	84	83
6	97	91	87	83	96	90	86	83	89	85	83	88	84	82	86	84	82	80
7	94	88	83	80	93	87	83	80	86	82	80	85	82	79	84	81	79	78
8	92	85	80	78	91	84	80	77	83	80	77	82	79	77	82	79	76	75
9	89	82	78	75	88	82	78	75	81	77	75	80	77	74	79	76	74	73
10	87	80	75	73	86	79	75	73	79	75	72	78	75	72	77	74	72	71

POLAR GRAPH



Maximum Candela = 6480.34 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)