

IES INDOOR REPORT**PHOTOMETRIC FILENAME : RDXX6XT-20LXXKNDE1-RD6XSGGLX.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002

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

[ISSUEDATE]

[TESTDATE] Thu Jun 25 2015

[UPDATE] Thu Oct 22 2015

[TEST] SP-00476_7_M-20L

[MANUFAC] Spectrum Lighting

[[LUMCAT] RDxx6LEDXT-20L-xxK-ND-E1-RD6x-SG-GLX

[LUMINAIRE] 6" 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: RDFl6, RDFO6, RDZl6, and RDZO6 series

[OTHER] For Trims: RD6F and RD6N 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	1772
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	75
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	6547.728	6547.728	6547.728	6547.728	6547.728
5	6250.512	6367.288	6322.568	6332.744	6383.876
10	4797.864	4804.788	4743.668	4785.604	4744.444
15	2588.984	2591.848	2576.648	2607.220	2606.800
20	1263.012	1264.968	1261.436	1259.928	1254.144
25	781.556	772.504	786.284	776.816	784.508
30	475.596	471.852	482.460	478.392	475.792
35	57.680	56.516	58.032	57.784	56.424
40	6.272	7.392	7.028	6.116	6.204
45	1.836	2.012	1.664	2.108	2.048
50	1.004	1.160	1.132	1.260	1.072
55	0.416	0.476	0.408	0.468	0.436
60	0.252	0.300	0.352	0.228	0.252
65	0.104	0.208	0.120	0.264	0.116
70	0.092	0.132	0.148	0.100	0.164
75	0.080	0.072	0.060	0.152	0.112
80	0.020	0.056	0.028	0.024	0.032
85	0.072	0.024	0.000	0.020	0.000
90	0.000	0.024	0.000	0.000	0.000

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	1306.33	N.A.	73.70
0-30	1679.43	N.A.	94.80
0-40	1768.82	N.A.	99.80
0-60	1771.55	N.A.	100.00
0-80	1771.83	N.A.	100.00
0-90	1771.85	N.A.	100.00
10-90	1220.36	N.A.	68.90
20-40	462.48	N.A.	26.10
20-50	464.70	N.A.	26.20
40-70	2.92	N.A.	0.20
60-80	0.28	N.A.	0.00
70-80	0.09	N.A.	0.00
80-90	0.02	N.A.	0.00
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	1771.85	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	551.49
10-20	754.84
20-30	373.10
30-40	89.39
40-50	2.22
50-60	0.51
60-70	0.19
70-80	0.09
80-90	0.02
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

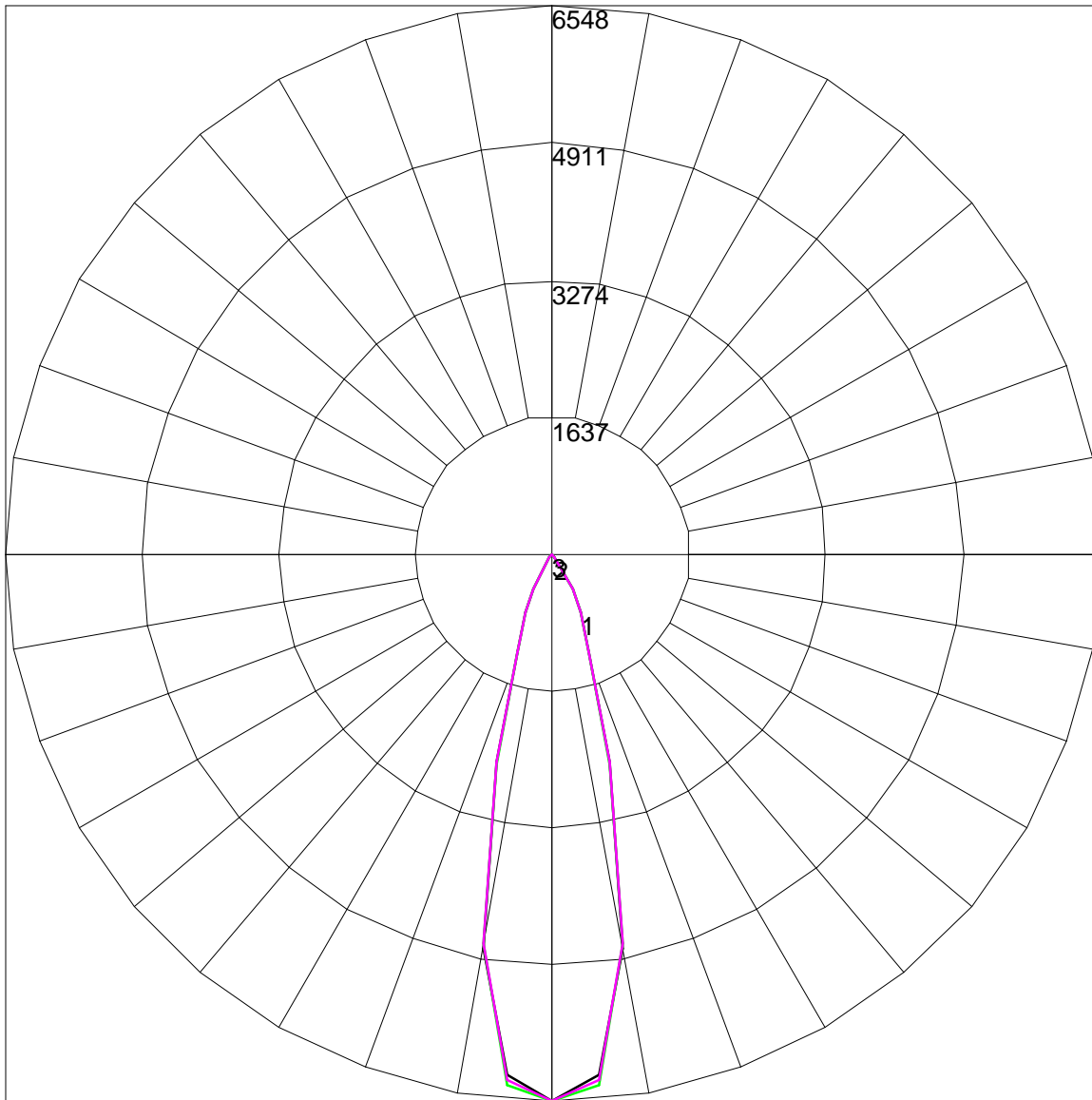
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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

POLAR GRAPH



Maximum Candela = 6547.728 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)