

IES INDOOR REPORT**PHOTOMETRIC FILENAME : RDXX6XT-13LXXKNDE1-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-13L

[MANUFAC] Spectrum Lighting

[LUMCAT] RDxx6LEDXT-13L-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	1152
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	77
Total Luminaire Watts	15
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	4256.023	4256.023	4256.023	4256.023	4256.023
5	4062.833	4138.737	4109.669	4116.283	4149.519
10	3118.611	3123.112	3083.384	3110.642	3083.888
15	1682.840	1684.701	1674.821	1694.693	1694.420
20	820.958	822.229	819.933	818.953	815.194
25	508.011	502.128	511.085	504.930	509.930
30	309.137	306.704	313.599	310.955	309.265
35	37.492	36.735	37.721	37.560	36.676
40	4.077	4.805	4.568	3.975	4.033
45	1.193	1.308	1.082	1.370	1.331
50	0.653	0.754	0.736	0.819	0.697
55	0.270	0.309	0.265	0.304	0.283
60	0.164	0.195	0.229	0.148	0.164
65	0.068	0.135	0.078	0.172	0.075
70	0.060	0.086	0.096	0.065	0.107
75	0.052	0.047	0.039	0.099	0.073
80	0.013	0.036	0.018	0.016	0.021
85	0.047	0.016	0.000	0.013	0.000
90	0.000	0.016	0.000	0.000	0.000

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	849.12	N.A.	73.70
0-30	1091.63	N.A.	94.80
0-40	1149.73	N.A.	99.80
0-60	1151.51	N.A.	100.00
0-80	1151.69	N.A.	100.00
0-90	1151.7	N.A.	100.00
10-90	793.23	N.A.	68.90
20-40	300.61	N.A.	26.10
20-50	302.05	N.A.	26.20
40-70	1.90	N.A.	0.20
60-80	0.18	N.A.	0.00
70-80	0.06	N.A.	0.00
80-90	0.01	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	1151.7	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	358.47
10-20	490.65
20-30	242.51
30-40	58.10
40-50	1.44
50-60	0.33
60-70	0.12
70-80	0.06
80-90	0.01
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

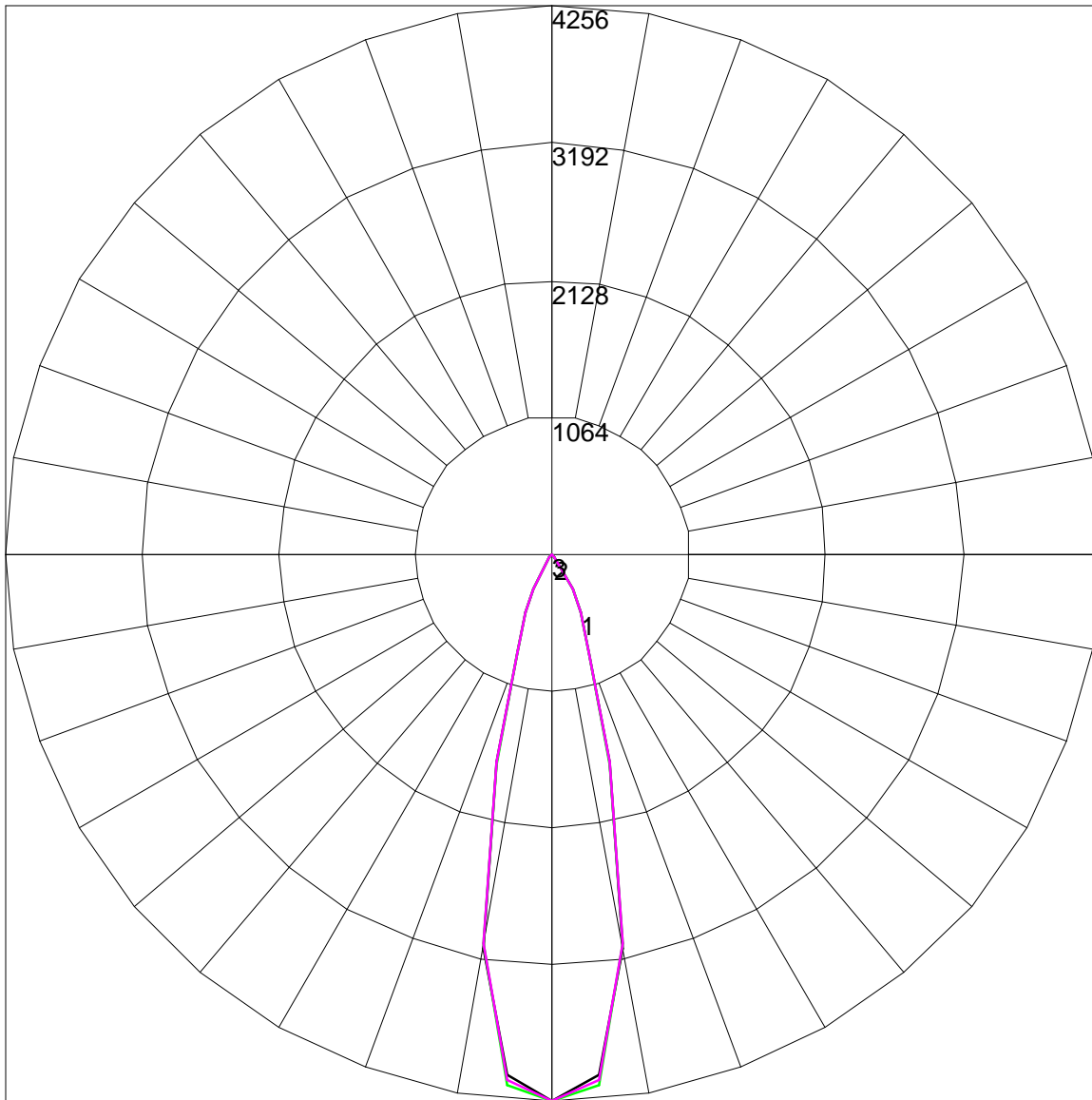
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	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	89	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	81	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 = 4256.023 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)