

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : RDXX6XT-13LXXKXNE1-RD6XSGGLX.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002

[TESTLAB] Photopia 2015.1.1 see: www.ltiopics.com/ies

[ISSUE DATE]

[TEST DATE] Fri Aug 05 2016

[UPDATE] Thu Sep 29 2016

[TEST] SP-00476\_31\_M-13L

[MANUFAC] Spectrum Lighting

[[LUMCAT] RDxx6LEDXT-13L-xxK-XN-E1-RD6x-SG-GLX

[LUMINAIRE] 6" aperture, Xtra Narrow Beam

[TRIM] Semi-diffuse, regressed clear glass lens

[LAMP] N/A, 9mm, Min. 83 CRI

[LAMPCAT] N/A

[OTHER] Total Luminaire Watts is approximate

[OTHER] For Housings: RDFI6, RDFO6, RDZI6, 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 20L

**CHARACTERISTICS**

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	879
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	43
Total Luminaire Watts	20.4
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.20
Spacing Criterion (90-270)	0.22
Spacing Criterion (Diagonal)	0.22
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>
<b>0</b>	10481.646	10481.646	10481.646	10481.646	10481.646
<b>5</b>	5906.511	5931.503	5890.527	5991.804	6110.266
<b>10</b>	946.484	1198.847	1457.332	1272.271	1070.985
<b>15</b>	439.491	437.222	452.881	449.949	425.984
<b>20</b>	361.088	356.037	361.549	359.866	359.164
<b>25</b>	325.123	322.296	328.009	323.557	322.192
<b>30</b>	278.921	278.245	277.595	279.084	276.757
<b>35</b>	178.795	183.072	187.616	184.769	187.356
<b>40</b>	26.981	28.684	31.336	29.906	26.708
<b>45</b>	3.737	3.984	3.978	3.874	3.419
<b>50</b>	1.501	1.378	1.417	1.410	1.423
<b>55</b>	0.494	0.526	0.370	0.494	0.520
<b>60</b>	0.182	0.162	0.117	0.084	0.130
<b>65</b>	0.032	0.019	0.065	0.039	0.071
<b>70</b>	0.019	0.013	0.045	0.019	0.052
<b>75</b>	0.006	0.013	0.026	0.000	0.019
<b>80</b>	0.000	0.019	0.006	0.013	0.000
<b>85</b>	0.013	0.006	0.000	0.000	0.000
<b>90</b>	0.000	0.000	0.000	0.000	0.000

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	619.36	N.A.	70.50
0-30	767.33	N.A.	87.30
0-40	871.16	N.A.	99.10
0-60	878.89	N.A.	100.00
0-80	878.97	N.A.	100.00
0-90	878.97	N.A.	100.00
10-90	425.27	N.A.	48.40
20-40	251.80	N.A.	28.60
20-50	258.98	N.A.	29.50
40-70	7.79	N.A.	0.90
60-80	0.08	N.A.	0.00
70-80	0.02	N.A.	0.00
80-90	0.00	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	878.97	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	453.71
10-20	165.65
20-30	147.97
30-40	103.83
40-50	7.18
50-60	0.55
60-70	0.06
70-80	0.02
80-90	0.00
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

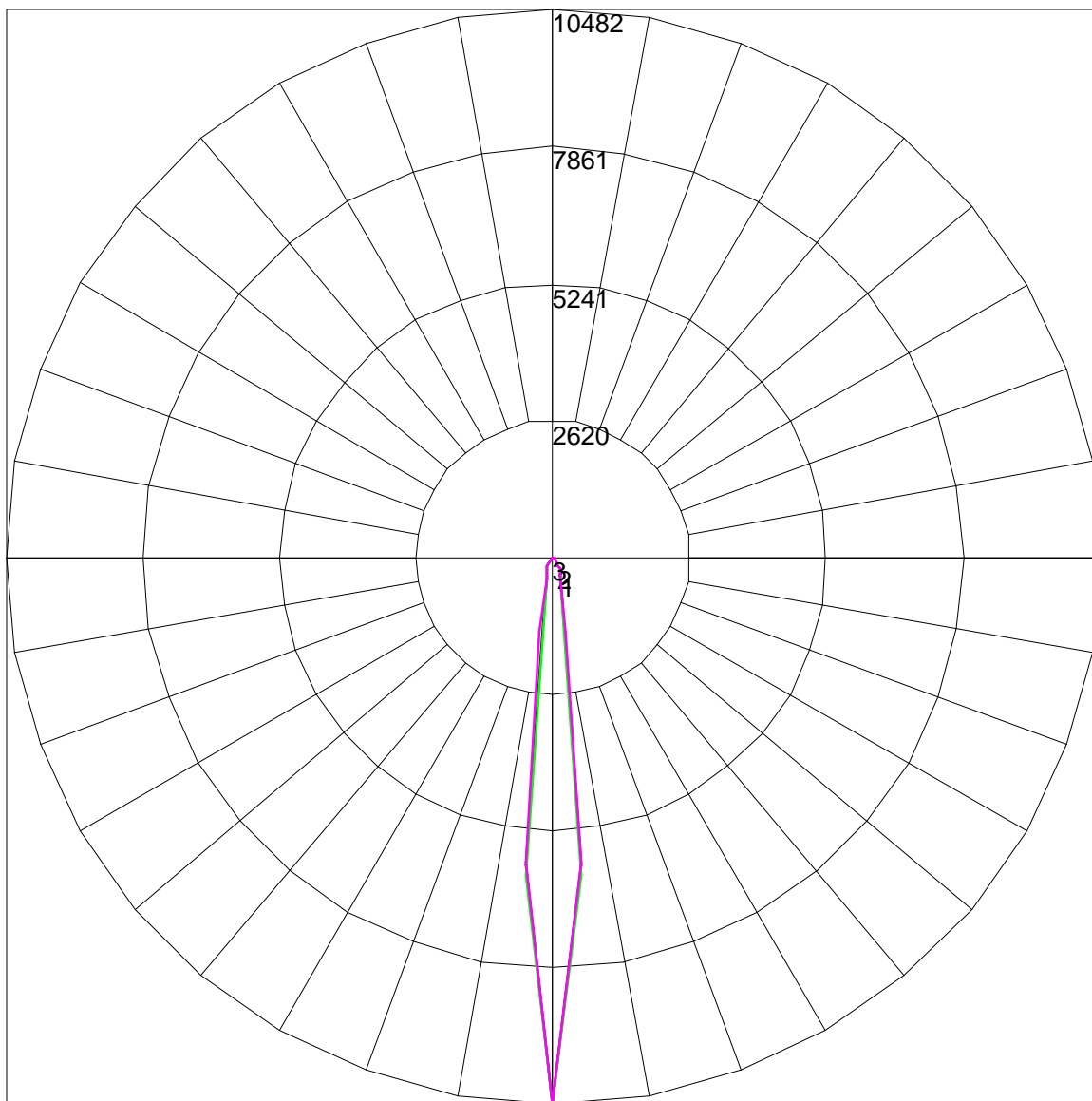
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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	110	113	111	109	108	107	106	105	103	102	101	100	99	99	97
2	111	108	105	103	109	106	104	101	103	101	99	100	99	97	98	96	95	94
3	108	103	100	97	106	102	99	96	100	97	95	97	95	93	95	94	92	91
4	105	99	96	93	103	98	95	92	96	93	91	95	92	90	93	91	89	88
5	102	96	92	89	100	95	91	89	94	90	88	92	89	87	91	88	86	85
6	99	93	89	86	98	92	88	86	91	88	85	90	87	85	89	86	84	83
7	96	90	86	83	95	90	86	83	88	85	83	87	84	82	86	84	82	81
8	94	88	84	81	93	87	83	81	86	83	80	85	82	80	84	82	80	79
9	92	85	81	79	91	85	81	79	84	81	78	83	80	78	83	80	78	77
10	90	83	79	77	89	83	79	77	82	79	77	82	78	76	81	78	76	75

POLAR GRAPH



Maximum Candela = 10481.646 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)