

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : RDXX6XT-10LXXKXNE1-RD6XSGGLX.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002

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

[ISSUE DATE]

[TEST DATE] Fri Aug 05 2016

[UPDATE] Thu Sep 29 2016

[TEST] SP-00476\_31\_M-10L

[MANUFAC] Spectrum Lighting

[[LUMCAT] RDxx6LEDXT-10L-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: 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 20L

**CHARACTERISTICS**

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	652
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	44
Total Luminaire Watts	14.8
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>	7780.607	7780.607	7780.607	7780.607	7780.607
<b>5</b>	4384.448	4403.001	4372.584	4447.762	4535.698
<b>10</b>	702.583	889.913	1081.789	944.417	795.001
<b>15</b>	326.238	324.554	336.177	334.001	316.211
<b>20</b>	268.038	264.289	268.381	267.131	266.610
<b>25</b>	241.342	239.243	243.484	240.179	239.166
<b>30</b>	207.046	206.544	206.061	207.166	205.439
<b>35</b>	132.721	135.896	139.269	137.155	139.076
<b>40</b>	20.029	21.293	23.261	22.200	19.826
<b>45</b>	2.774	2.958	2.953	2.876	2.538
<b>50</b>	1.115	1.023	1.052	1.047	1.057
<b>55</b>	0.367	0.391	0.275	0.367	0.386
<b>60</b>	0.135	0.121	0.087	0.063	0.096
<b>65</b>	0.024	0.014	0.048	0.029	0.053
<b>70</b>	0.014	0.010	0.034	0.014	0.039
<b>75</b>	0.005	0.010	0.019	0.000	0.014
<b>80</b>	0.000	0.014	0.005	0.010	0.000
<b>85</b>	0.010	0.005	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	459.75	N.A.	70.50
0-30	569.59	N.A.	87.30
0-40	646.67	N.A.	99.10
0-60	652.41	N.A.	100.00
0-80	652.47	N.A.	100.00
0-90	652.47	N.A.	100.00
10-90	315.68	N.A.	48.40
20-40	186.91	N.A.	28.60
20-50	192.25	N.A.	29.50
40-70	5.79	N.A.	0.90
60-80	0.06	N.A.	0.00
70-80	0.01	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	652.47	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	336.79
10-20	122.97
20-30	109.84
30-40	77.07
40-50	5.33
50-60	0.41
60-70	0.04
70-80	0.01
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

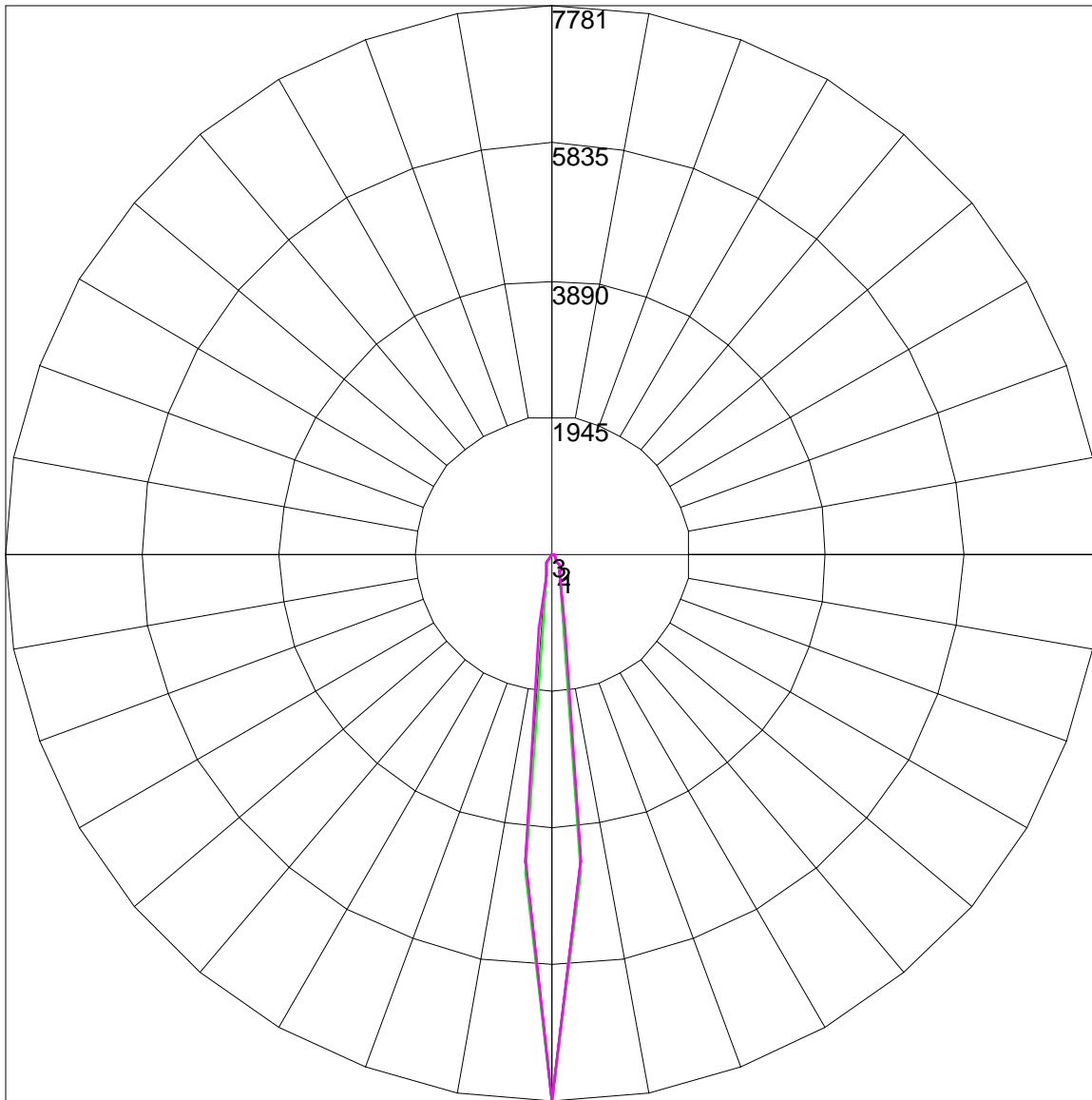
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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	102	100	99	99	97
2	112	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	100	96	93	103	99	95	92	97	94	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	87	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	87	84	82	81
8	94	88	84	81	93	87	83	81	86	83	80	85	82	80	85	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	79	76	81	78	76	75

POLAR GRAPH



Maximum Candela = 7780.607 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)