

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : RDXX6XT-10LXXKNDE1-RD6XSGGLX.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002

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

[ISSUEDATE]

[TESTDATE] Thu Jun 25 2015

[UPDATE] Thu Oct 22 2015

[TEST] SP-00476\_7\_M-10L

[MANUFAC] Spectrum Lighting

[LUMCAT] RDxx6LEDXT-10L-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	855
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	77
Total Luminaire Watts	11.1
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>
<b>0</b>	3159.279	3159.279	3159.279	3159.279	3159.279
<b>5</b>	3015.872	3072.217	3050.639	3055.549	3080.220
<b>10</b>	2314.969	2318.310	2288.820	2309.054	2289.194
<b>15</b>	1249.185	1250.567	1243.233	1257.984	1257.781
<b>20</b>	609.403	610.347	608.643	607.915	605.124
<b>25</b>	377.101	372.733	379.382	374.814	378.525
<b>30</b>	229.475	227.669	232.787	230.824	229.570
<b>35</b>	27.831	27.269	28.000	27.881	27.225
<b>40</b>	3.026	3.567	3.391	2.951	2.993
<b>45</b>	0.886	0.971	0.803	1.017	0.988
<b>50</b>	0.484	0.560	0.546	0.608	0.517
<b>55</b>	0.201	0.230	0.197	0.226	0.210
<b>60</b>	0.122	0.145	0.170	0.110	0.122
<b>65</b>	0.050	0.100	0.058	0.127	0.056
<b>70</b>	0.044	0.064	0.071	0.048	0.079
<b>75</b>	0.039	0.035	0.029	0.073	0.054
<b>80</b>	0.010	0.027	0.014	0.012	0.015
<b>85</b>	0.035	0.012	0.000	0.010	0.000
<b>90</b>	0.000	0.012	0.000	0.000	0.000

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	630.31	N.A.	73.70
0-30	810.32	N.A.	94.80
0-40	853.45	N.A.	99.80
0-60	854.77	N.A.	100.00
0-80	854.91	N.A.	100.00
0-90	854.92	N.A.	100.00
10-90	588.82	N.A.	68.90
20-40	223.15	N.A.	26.10
20-50	224.22	N.A.	26.20
40-70	1.41	N.A.	0.20
60-80	0.14	N.A.	0.00
70-80	0.04	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	854.92	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	266.10
10-20	364.21
20-30	180.02
30-40	43.13
40-50	1.07
50-60	0.25
60-70	0.09
70-80	0.04
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

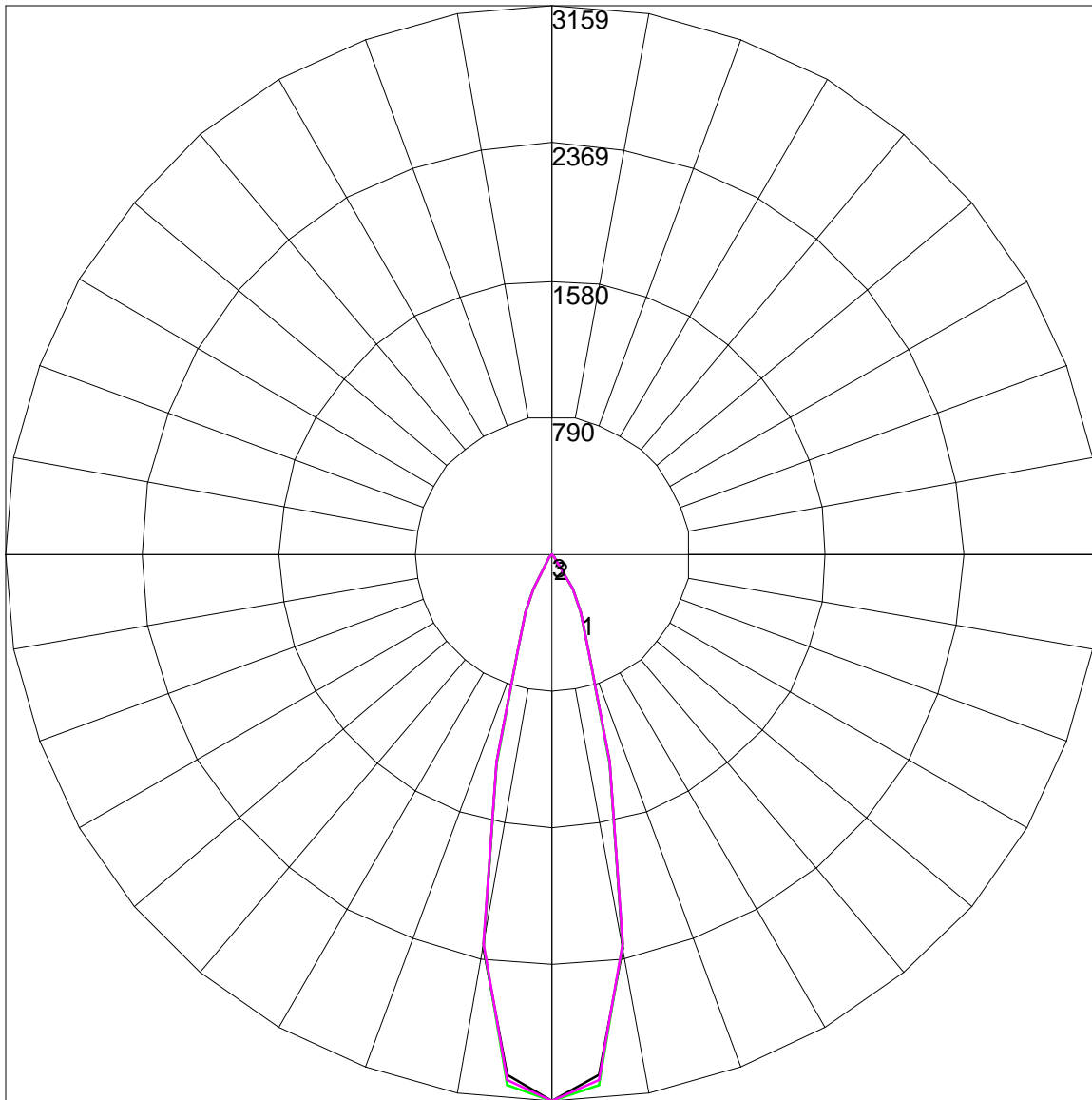
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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	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 = 3159.279 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)