

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : RDXX6XT-13LXXKMDE1-RD6XSGSOX.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002

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

[ISSUE DATE]

[TEST DATE] Fri Jun 19 2015

[UPDATE] Thu Oct 22 2015

[TEST] SP-00476\_4\_M-13L

[MANUFAC] Spectrum Lighting

[LUMCAT] RDxx6LEDXT-13L-xxK-MD-E1-RD6x-SG-SOX

[LUMINAIRE] 6" aperture, Medium Beam

[TRIM] Semi-diffuse, regressed Solite 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 SOX or SOW

[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	990
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	66
Total Luminaire Watts	15
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.76
Spacing Criterion (90-270)	0.76
Spacing Criterion (Diagonal)	0.74
Basic Luminous Shape	Point
Luminous Length (0-180)	0.00 ft
Luminous Width (90-270)	0.00 ft
Luminous Height	0.00 ft

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : RDXX6XT-13LXXKMDE1-RD6XSGSOX.IES****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>	1559.220	1559.220	1559.220	1559.220	1559.220
<b>5</b>	1574.261	1565.294	1593.600	1567.431	1590.664
<b>10</b>	1490.991	1475.123	1492.322	1502.387	1496.778
<b>15</b>	1288.422	1289.077	1283.615	1281.727	1272.539
<b>20</b>	1000.514	995.441	997.727	999.924	995.275
<b>25</b>	689.127	694.413	690.204	685.537	704.239
<b>30</b>	394.857	393.159	395.052	392.197	393.546
<b>35</b>	133.437	134.020	135.728	134.625	136.352
<b>40</b>	61.188	60.611	61.721	61.074	59.327
<b>45</b>	55.336	53.599	53.953	53.266	54.759
<b>50</b>	46.147	45.971	45.638	46.140	45.646
<b>55</b>	27.183	28.265	27.139	26.315	28.626
<b>60</b>	2.569	2.098	2.122	2.184	2.062
<b>65</b>	0.367	0.367	0.276	0.216	0.328
<b>70</b>	0.224	0.218	0.263	0.140	0.239
<b>75</b>	0.099	0.216	0.125	0.143	0.172
<b>80</b>	0.127	0.070	0.047	0.081	0.068
<b>85</b>	0.013	0.013	0.021	0.034	0.013
<b>90</b>	0.000	0.000	0.000	0.016	0.000

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	499.87	N.A.	50.50
0-30	814.41	N.A.	82.30
0-40	924.89	N.A.	93.40
0-60	989.12	N.A.	99.90
0-80	990.02	N.A.	100.00
0-90	990.05	N.A.	100.00
10-90	842.80	N.A.	85.10
20-40	425.02	N.A.	42.90
20-50	466.48	N.A.	47.10
40-70	64.97	N.A.	6.60
60-80	0.89	N.A.	0.10
70-80	0.16	N.A.	0.00
80-90	0.03	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	990.05	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	147.25
10-20	352.62
20-30	314.55
30-40	110.48
40-50	41.45
50-60	22.78
60-70	0.73
70-80	0.16
80-90	0.03
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

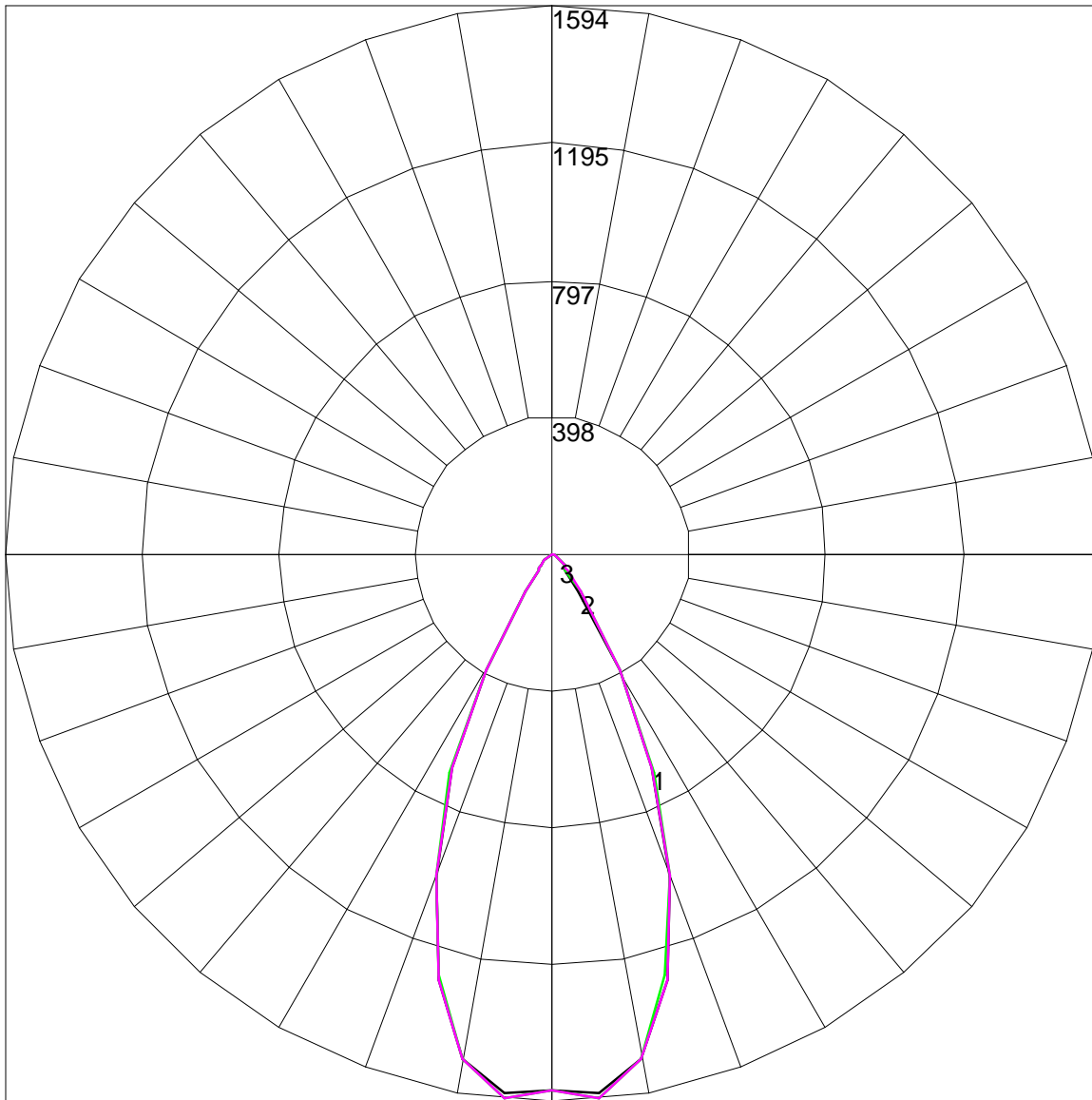
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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	114	111	109	107	112	109	107	105	105	104	102	101	100	99	98	97	96	94
2	109	104	101	97	107	103	99	96	99	97	94	97	94	92	94	92	90	89
3	104	98	93	90	102	97	92	89	94	91	88	92	89	86	89	87	85	84
4	99	92	87	83	98	91	87	83	89	85	82	87	84	81	85	82	80	79
5	95	87	82	78	93	86	81	78	85	80	77	83	79	76	81	78	76	74
6	91	83	77	73	89	82	77	73	80	76	72	79	75	72	78	74	71	70
7	87	78	73	69	86	78	72	69	76	72	68	75	71	68	74	71	68	66
8	83	74	69	65	82	74	69	65	73	68	65	72	68	65	71	67	64	63
9	80	71	66	62	79	70	65	62	70	65	62	69	64	61	68	64	61	60
10	76	68	62	59	76	67	62	59	66	62	59	66	61	58	65	61	58	57

POLAR GRAPH



Maximum Candela = 1593.6 Located At Horizontal Angle = 45, Vertical Angle = 5

# 1 - Vertical Plane Through Horizontal Angles (0 - 180)

# 2 - Vertical Plane Through Horizontal Angles (90 - 270)

# 3 - Vertical Plane Through Horizontal Angles (45 - 225)