

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : RDXX6XT-50LXXKWDE1-RD6XSGSOX.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002

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

[ISSUEDATE]

[TESTDATE] Fri Jun 19 2015

[UPDATE] Thu Jan 21 2016

[TEST] SP-00476\_3

[MANUFAC] Spectrum Lighting

[LUMCAT] RDxx6LEDXT-50L-xxK-WD-E1-RD6x-SG-SOX

[LUMINAIRE] 6" aperture, Wide 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: RDFO6 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

**CHARACTERISTICS**

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	3906
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	72
Total Luminaire Watts	54
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.88
Spacing Criterion (90-270)	0.88
Spacing Criterion (Diagonal)	0.78
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-50LXXKWDE1-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>	5161.41	5161.41	5161.41	5161.41	5161.41
<b>5</b>	5280.98	5426.12	5303.12	5329.53	5369.34
<b>10</b>	5492.09	5452.56	5427.24	5455.51	5490.25
<b>15</b>	5205.33	5080.61	5096.38	5116.97	5147.16
<b>20</b>	4276.05	4255.48	4244.20	4267.01	4283.85
<b>25</b>	3031.62	2996.72	2971.28	3013.29	3012.62
<b>30</b>	1618.94	1608.25	1607.47	1589.91	1579.63
<b>35</b>	527.36	534.84	526.82	526.84	531.50
<b>40</b>	238.11	226.57	231.74	229.57	229.32
<b>45</b>	170.35	168.39	162.51	171.28	170.74
<b>50</b>	138.47	137.76	137.26	134.68	134.32
<b>55</b>	82.07	86.52	84.84	84.95	86.20
<b>60</b>	8.65	7.73	8.11	8.24	7.92
<b>65</b>	1.59	1.42	1.38	1.12	1.36
<b>70</b>	0.70	0.61	0.71	0.76	1.23
<b>75</b>	0.71	0.52	0.46	0.78	0.61
<b>80</b>	0.09	0.20	0.40	0.38	0.40
<b>85</b>	0.11	0.08	0.16	0.18	0.16
<b>90</b>	0.12	0.05	0.00	0.00	0.00

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	1912.29	N.A.	49.00
0-30	3256.39	N.A.	83.40
0-40	3696.93	N.A.	94.70
0-60	3902.04	N.A.	99.90
0-80	3905.47	N.A.	100.00
0-90	3905.63	N.A.	100.00
10-90	3393.58	N.A.	86.90
20-40	1784.64	N.A.	45.70
20-50	1920.01	N.A.	49.20
40-70	207.93	N.A.	5.30
60-80	3.43	N.A.	0.10
70-80	0.60	N.A.	0.00
80-90	0.17	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	3905.63	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	512.06
10-20	1400.23
20-30	1344.1
30-40	440.54
40-50	135.37
50-60	69.73
60-70	2.83
70-80	0.60
80-90	0.17
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

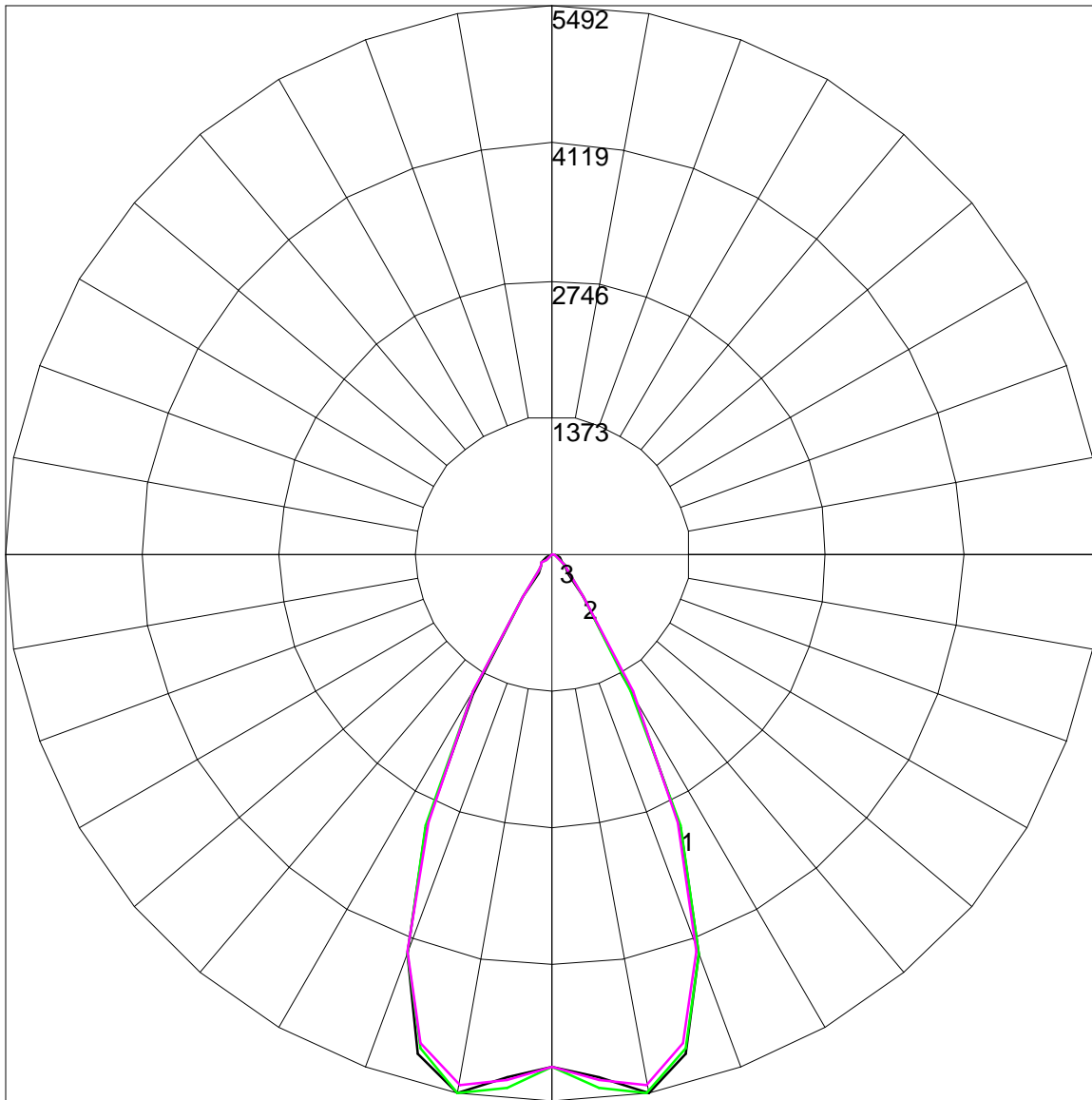
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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

POLAR GRAPH



Maximum Candela = 5492.09 Located At Horizontal Angle = 0, Vertical Angle = 10

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

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

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