

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : RDXX6XT-10LXXKWDE1-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)

[ISSUEDATE]

[TESTDATE] Fri Jun 19 2015

[UPDATE] Thu Oct 22 2015

[TEST] SP-00476\_3\_M-10L

[MANUFAC] Spectrum Lighting

[LUMCAT] RDxx6LEDXT-10L-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: 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	754
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	68
Total Luminaire Watts	11.1
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

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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>	996.152	996.152	996.152	996.152	996.152
<b>5</b>	1019.229	1047.241	1023.502	1028.599	1036.283
<b>10</b>	1059.973	1052.344	1047.457	1052.913	1059.618
<b>15</b>	1004.629	980.558	983.601	987.575	993.402
<b>20</b>	825.278	821.308	819.131	823.533	826.783
<b>25</b>	585.103	578.367	573.457	581.565	581.436
<b>30</b>	312.455	310.392	310.242	306.853	304.869
<b>35</b>	101.780	103.224	101.676	101.680	102.580
<b>40</b>	45.955	43.728	44.726	44.307	44.259
<b>45</b>	32.878	32.499	31.364	33.057	32.953
<b>50</b>	26.725	26.588	26.491	25.993	25.924
<b>55</b>	15.840	16.698	16.374	16.395	16.637
<b>60</b>	1.669	1.492	1.565	1.590	1.529
<b>65</b>	0.307	0.274	0.266	0.216	0.262
<b>70</b>	0.135	0.118	0.137	0.147	0.237
<b>75</b>	0.137	0.100	0.089	0.151	0.118
<b>80</b>	0.017	0.039	0.077	0.073	0.077
<b>85</b>	0.021	0.015	0.031	0.035	0.031
<b>90</b>	0.023	0.010	0.000	0.000	0.000

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	369.07	N.A.	49.00
0-30	628.48	N.A.	83.40
0-40	713.51	N.A.	94.70
0-60	753.09	N.A.	99.90
0-80	753.75	N.A.	100.00
0-90	753.79	N.A.	100.00
10-90	654.96	N.A.	86.90
20-40	344.44	N.A.	45.70
20-50	370.56	N.A.	49.20
40-70	40.13	N.A.	5.30
60-80	0.66	N.A.	0.10
70-80	0.12	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	753.79	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	98.83
10-20	270.24
20-30	259.41
30-40	85.02
40-50	26.13
50-60	13.46
60-70	0.55
70-80	0.12
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

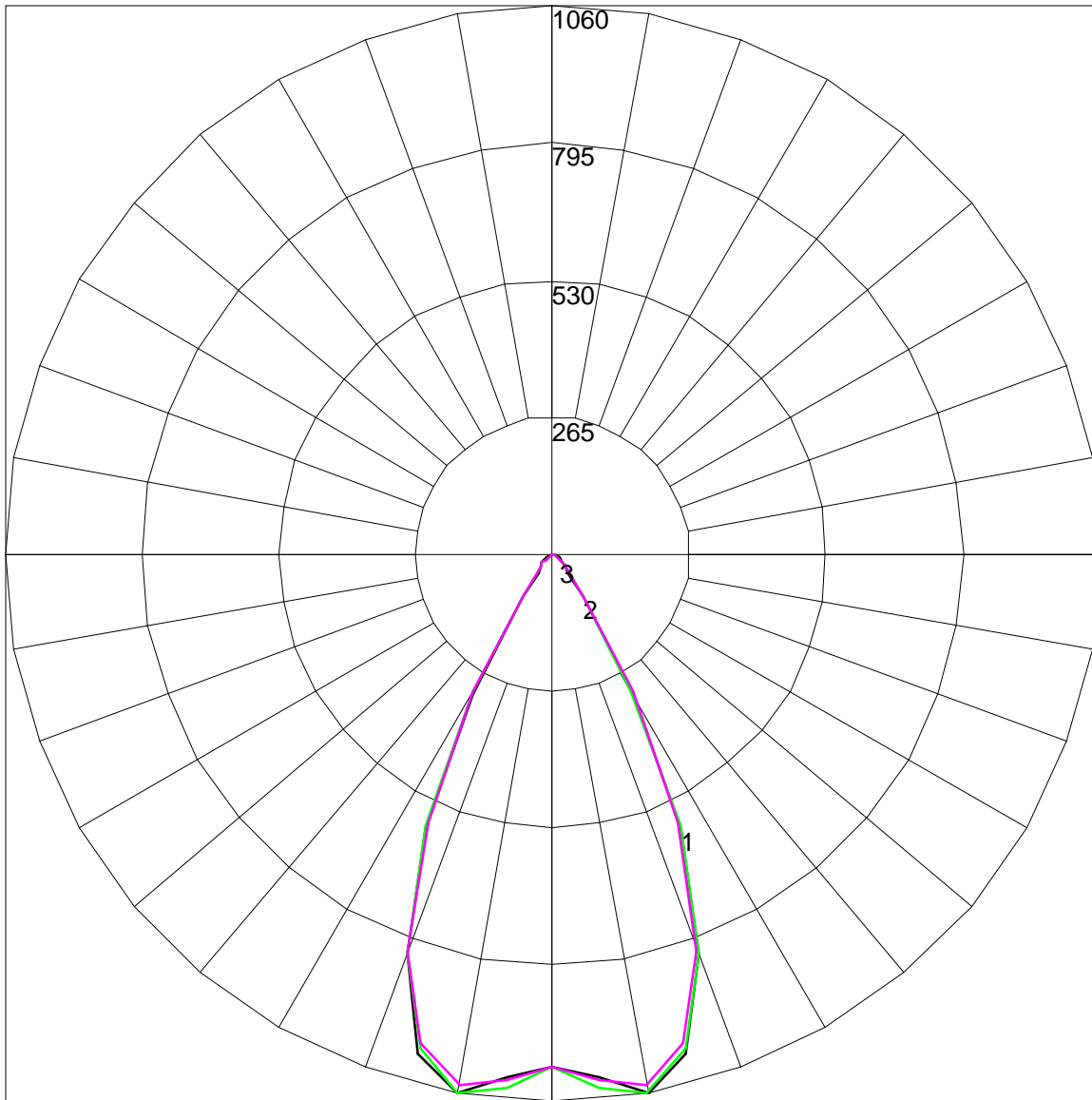
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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	111	109	107	105	105	103	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	67	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 = 1059.973 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)