

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : RDXX6XT-30LXXKMDE1-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 Jan 21 2016

[TEST] SP-00476\_4\_M-30L

[MANUFAC] Spectrum Lighting

[LUMCAT] RDxx6LEDXT-30L-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: 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, scaled from 50L report

**CHARACTERISTICS**

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2285
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	66
Total Luminaire Watts	34.6
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

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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>	3598.200	3598.200	3598.200	3598.200	3598.200
<b>5</b>	3632.910	3612.216	3677.538	3617.148	3670.764
<b>10</b>	3440.748	3404.130	3443.820	3467.046	3454.104
<b>15</b>	2973.282	2974.794	2962.188	2957.832	2936.628
<b>20</b>	2308.878	2297.172	2302.446	2307.516	2296.788
<b>25</b>	1590.294	1602.492	1592.778	1582.008	1625.166
<b>30</b>	911.208	907.290	911.658	905.070	908.184
<b>35</b>	307.932	309.276	313.218	310.674	314.658
<b>40</b>	141.204	139.872	142.434	140.940	136.908
<b>45</b>	127.698	123.690	124.506	122.922	126.366
<b>50</b>	106.494	106.086	105.318	106.476	105.336
<b>55</b>	62.730	65.226	62.628	60.726	66.060
<b>60</b>	5.928	4.842	4.896	5.040	4.758
<b>65</b>	0.846	0.846	0.636	0.498	0.756
<b>70</b>	0.516	0.504	0.606	0.324	0.552
<b>75</b>	0.228	0.498	0.288	0.330	0.396
<b>80</b>	0.294	0.162	0.108	0.186	0.156
<b>85</b>	0.030	0.030	0.048	0.078	0.030
<b>90</b>	0.000	0.000	0.000	0.036	0.000

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	1153.54	N.A.	50.50
0-30	1879.42	N.A.	82.30
0-40	2134.36	N.A.	93.40
0-60	2282.59	N.A.	99.90
0-80	2284.65	N.A.	100.00
0-90	2284.72	N.A.	100.00
10-90	1944.91	N.A.	85.10
20-40	980.82	N.A.	42.90
20-50	1076.48	N.A.	47.10
40-70	149.92	N.A.	6.60
60-80	2.06	N.A.	0.10
70-80	0.36	N.A.	0.00
80-90	0.07	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	2284.72	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	339.81
10-20	813.73
20-30	725.88
30-40	254.95
40-50	95.66
50-60	52.57
60-70	1.69
70-80	0.36
80-90	0.07
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

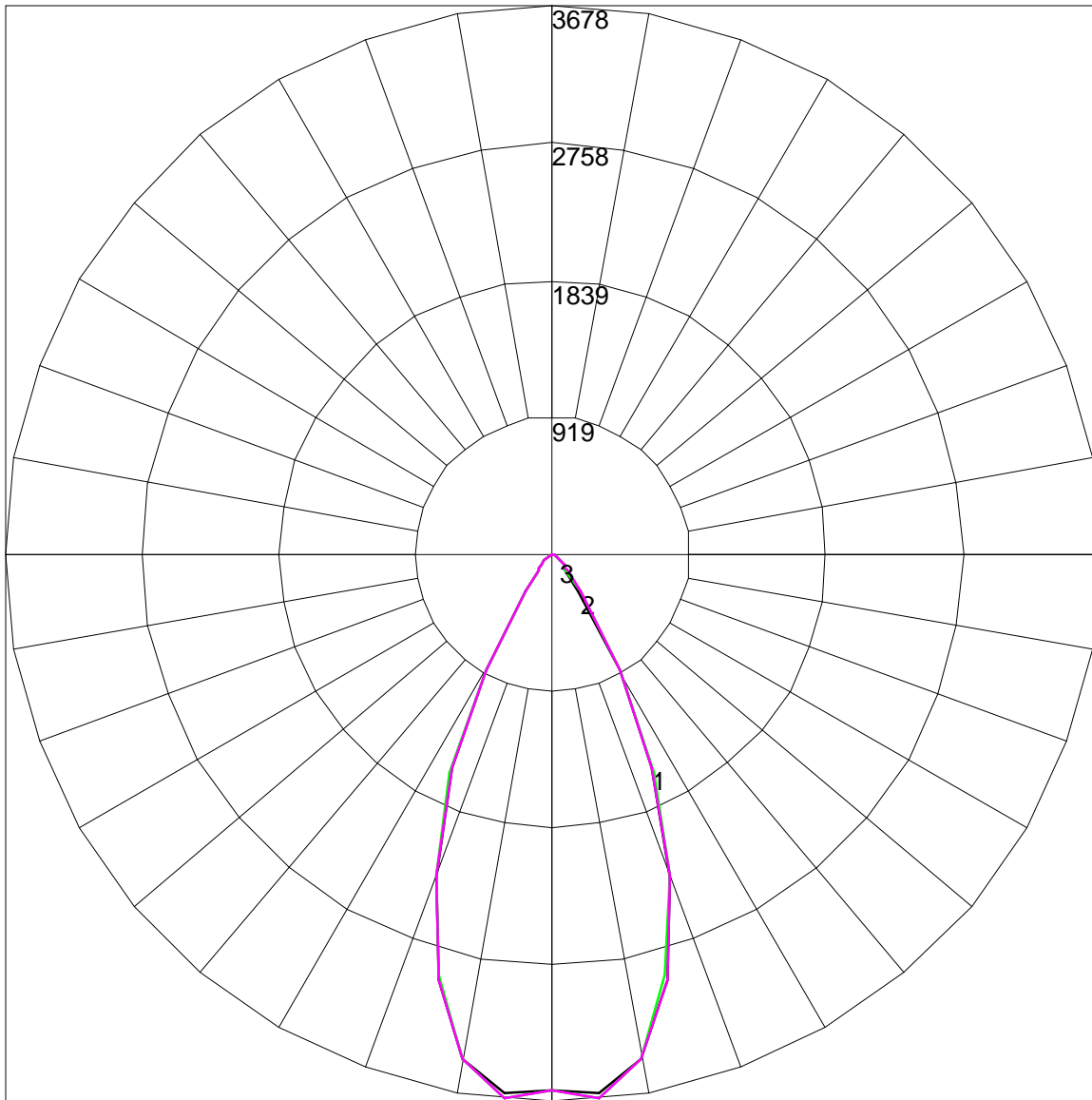
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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	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	65	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 = 3677.538 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)