

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : RDXX6XT-30LXXKWDE1-RD6XSGSOX.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002

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

[ISSUEDATE]

[TESTDATE] Fri Jun 19 2015

[UPDATE] Thu Jan 21 2016

[TEST] SP-00476\_3\_M-30L

[MANUFAC] Spectrum Lighting

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

**CHARACTERISTICS**

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2343
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	68
Total Luminaire Watts	34.6
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-30LXXKWDE1-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>	3096.846	3096.846	3096.846	3096.846	3096.846
<b>5</b>	3168.588	3255.672	3181.872	3197.718	3221.604
<b>10</b>	3295.254	3271.536	3256.344	3273.306	3294.150
<b>15</b>	3123.198	3048.366	3057.828	3070.182	3088.296
<b>20</b>	2565.630	2553.288	2546.520	2560.206	2570.310
<b>25</b>	1818.972	1798.032	1782.768	1807.974	1807.572
<b>30</b>	971.364	964.950	964.482	953.946	947.778
<b>35</b>	316.416	320.904	316.092	316.104	318.900
<b>40</b>	142.866	135.942	139.044	137.742	137.592
<b>45</b>	102.210	101.034	97.506	102.768	102.444
<b>50</b>	83.082	82.656	82.356	80.808	80.592
<b>55</b>	49.242	51.912	50.904	50.970	51.720
<b>60</b>	5.190	4.638	4.866	4.944	4.752
<b>65</b>	0.954	0.852	0.828	0.672	0.816
<b>70</b>	0.420	0.366	0.426	0.456	0.738
<b>75</b>	0.426	0.312	0.276	0.468	0.366
<b>80</b>	0.054	0.120	0.240	0.228	0.240
<b>85</b>	0.066	0.048	0.096	0.108	0.096
<b>90</b>	0.072	0.030	0.000	0.000	0.000

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	1147.37	N.A.	49.00
0-30	1953.83	N.A.	83.40
0-40	2218.16	N.A.	94.70
0-60	2341.22	N.A.	99.90
0-80	2343.28	N.A.	100.00
0-90	2343.38	N.A.	100.00
10-90	2036.15	N.A.	86.90
20-40	1070.79	N.A.	45.70
20-50	1152.01	N.A.	49.20
40-70	124.76	N.A.	5.30
60-80	2.06	N.A.	0.10
70-80	0.36	N.A.	0.00
80-90	0.10	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	2343.38	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	307.23
10-20	840.14
20-30	806.46
30-40	264.33
40-50	81.22
50-60	41.84
60-70	1.70
70-80	0.36
80-90	0.10
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

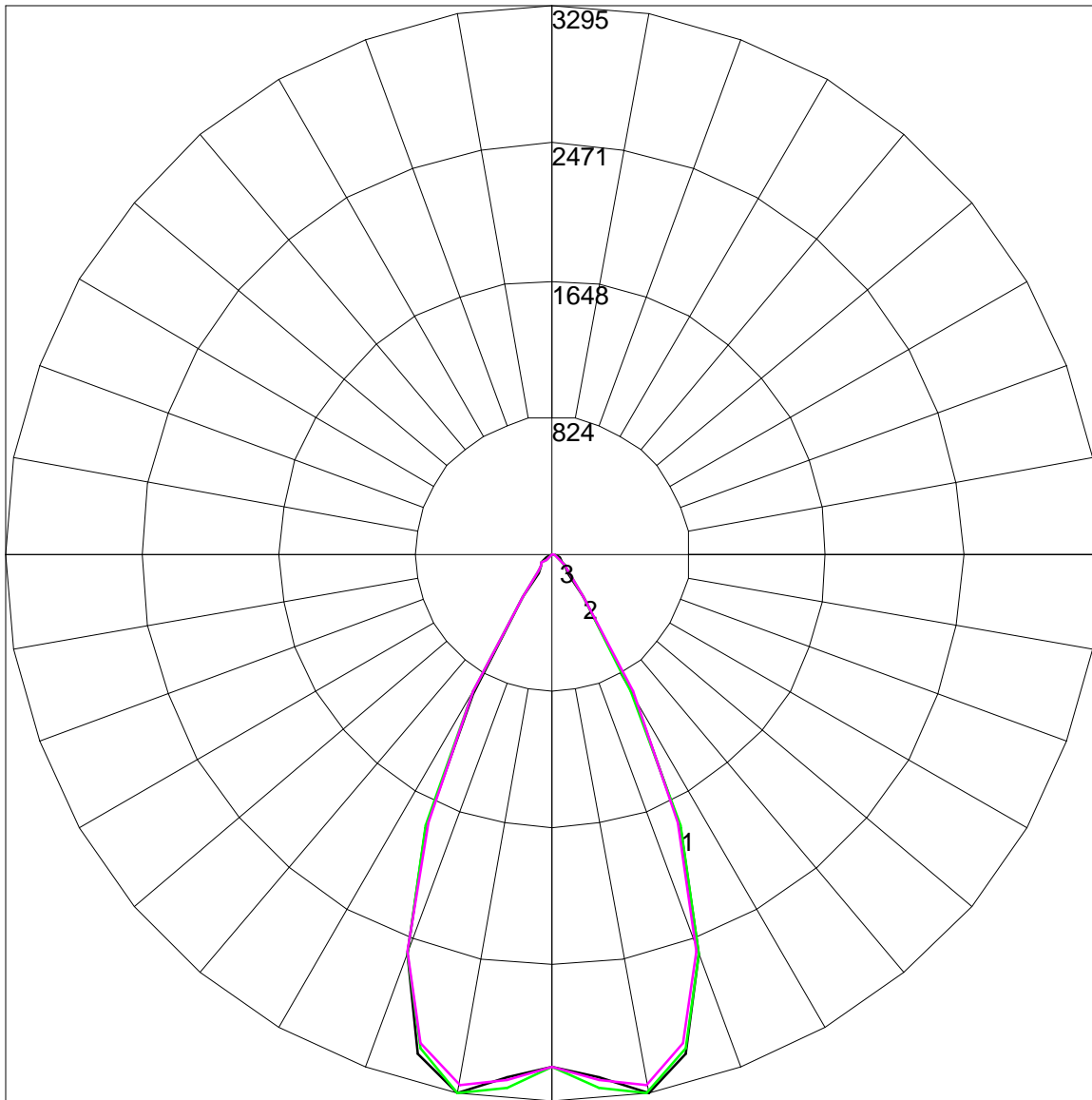
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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	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	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	65	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 = 3295.254 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)