

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : RDXX6XT-10LXXKXWE1-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\_2\_M-10L

[MANUFAC] Spectrum Lighting

[LUMCAT] RDxx6LEDXT-10L-xxK-XW-E1-RD6x-SG-SOX

[LUMINAIRE] 6" aperture, Xtra 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	768
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	69
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)	0.80
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>	1012.588	1012.588	1012.588	1012.588	1012.588
<b>5</b>	1062.706	1020.484	1023.765	1022.686	1012.605
<b>10</b>	1029.902	1046.201	1035.366	1017.189	1025.567
<b>15</b>	954.978	952.443	953.831	956.267	959.826
<b>20</b>	800.782	798.088	793.884	801.631	804.580
<b>25</b>	584.971	590.885	588.326	583.833	593.465
<b>30</b>	341.755	338.804	341.979	341.900	344.241
<b>35</b>	131.346	130.422	128.918	131.404	131.392
<b>40</b>	57.898	59.214	59.761	58.811	58.101
<b>45</b>	39.551	38.915	37.834	38.461	39.322
<b>50</b>	24.515	24.098	23.316	23.179	23.866
<b>55</b>	14.220	14.749	15.428	14.730	13.819
<b>60</b>	1.436	1.507	1.548	1.334	1.442
<b>65</b>	0.264	0.299	0.259	0.224	0.179
<b>70</b>	0.197	0.197	0.168	0.179	0.179
<b>75</b>	0.100	0.131	0.089	0.079	0.098
<b>80</b>	0.073	0.048	0.052	0.081	0.046
<b>85</b>	0.039	0.029	0.019	0.017	0.010
<b>90</b>	0.000	0.000	0.010	0.000	0.000

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	360.39	N.A.	46.90
0-30	623.50	N.A.	81.20
0-40	724.61	N.A.	94.30
0-60	767.38	N.A.	99.90
0-80	768.02	N.A.	100.00
0-90	768.05	N.A.	100.00
10-90	670.07	N.A.	87.20
20-40	364.22	N.A.	47.40
20-50	394.90	N.A.	51.40
40-70	43.30	N.A.	5.60
60-80	0.64	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	768.05	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	97.99
10-20	262.40
20-30	263.11
30-40	101.11
40-50	30.67
50-60	12.10
60-70	0.53
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

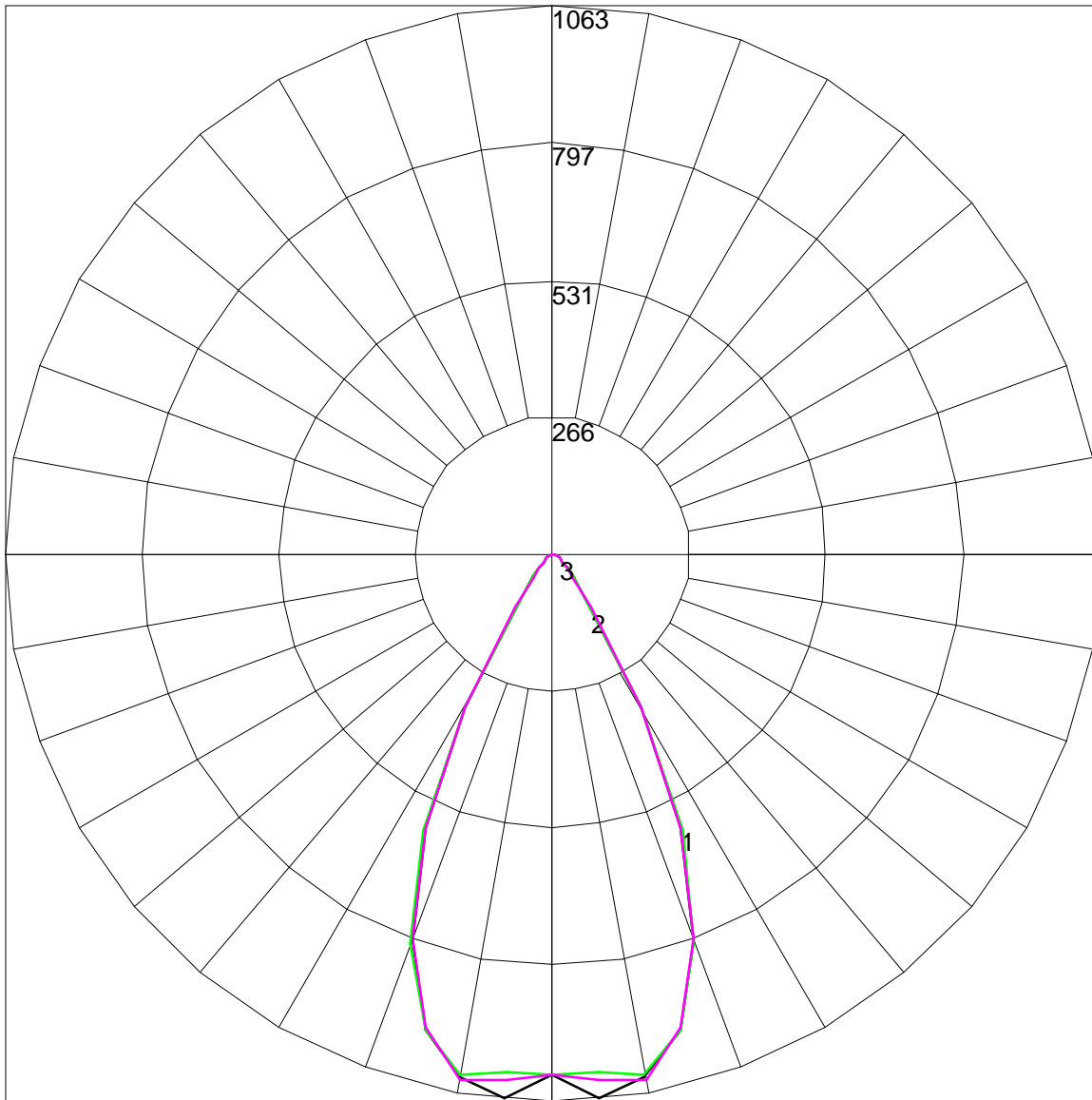
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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	100	97	107	102	99	96	99	96	94	96	94	92	94	92	90	88
3	104	98	93	89	102	96	92	89	94	90	87	91	88	86	89	87	85	83
4	99	92	87	83	97	91	86	82	89	85	81	87	83	80	85	82	79	78
5	94	87	81	77	93	86	81	77	84	80	76	82	78	75	81	77	75	73
6	90	82	76	72	89	81	76	72	80	75	72	78	74	71	77	73	71	69
7	86	77	72	68	85	77	71	68	76	71	67	74	70	67	73	70	67	65
8	82	73	68	64	81	73	68	64	72	67	64	71	67	63	70	66	63	62
9	79	70	64	61	78	69	64	60	68	64	60	68	63	60	67	63	60	59
10	75	66	61	57	74	66	61	57	65	60	57	64	60	57	64	60	57	56

POLAR GRAPH



Maximum Candela = 1062.706 Located At Horizontal Angle = 0, 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)