

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : RDXX6XT-40LXXKMDE1-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-40L

[MANUFAC] Spectrum Lighting

[LUMCAT] RDxx6LEDXT-40L-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	2932
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	73
Total Luminaire Watts	39.9
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>	4617.690	4617.690	4617.690	4617.690	4617.690
<b>5</b>	4662.234	4635.677	4719.507	4642.006	4710.814
<b>10</b>	4415.626	4368.633	4419.569	4449.376	4432.767
<b>15</b>	3815.712	3817.652	3801.475	3795.884	3768.673
<b>20</b>	2963.060	2948.037	2954.806	2961.312	2947.545
<b>25</b>	2040.877	2056.531	2044.065	2030.244	2085.630
<b>30</b>	1169.384	1164.355	1169.961	1161.506	1165.503
<b>35</b>	395.179	396.904	401.963	398.698	403.811
<b>40</b>	181.212	179.502	182.790	180.873	175.699
<b>45</b>	163.879	158.735	159.783	157.750	162.170
<b>50</b>	136.667	136.144	135.158	136.644	135.181
<b>55</b>	80.503	83.707	80.373	77.932	84.777
<b>60</b>	7.608	6.214	6.283	6.468	6.106
<b>65</b>	1.086	1.086	0.816	0.639	0.970
<b>70</b>	0.662	0.647	0.778	0.416	0.708
<b>75</b>	0.293	0.639	0.370	0.423	0.508
<b>80</b>	0.377	0.208	0.139	0.239	0.200
<b>85</b>	0.038	0.038	0.062	0.100	0.038
<b>90</b>	0.000	0.000	0.000	0.046	0.000

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	1480.38	N.A.	50.50
0-30	2411.92	N.A.	82.30
0-40	2739.1	N.A.	93.40
0-60	2929.33	N.A.	99.90
0-80	2931.97	N.A.	100.00
0-90	2932.06	N.A.	100.00
10-90	2495.97	N.A.	85.10
20-40	1258.72	N.A.	42.90
20-50	1381.49	N.A.	47.10
40-70	192.40	N.A.	6.60
60-80	2.64	N.A.	0.10
70-80	0.47	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	2932.06	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	436.09
10-20	1044.29
20-30	931.54
30-40	327.18
40-50	122.76
50-60	67.46
60-70	2.17
70-80	0.47
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

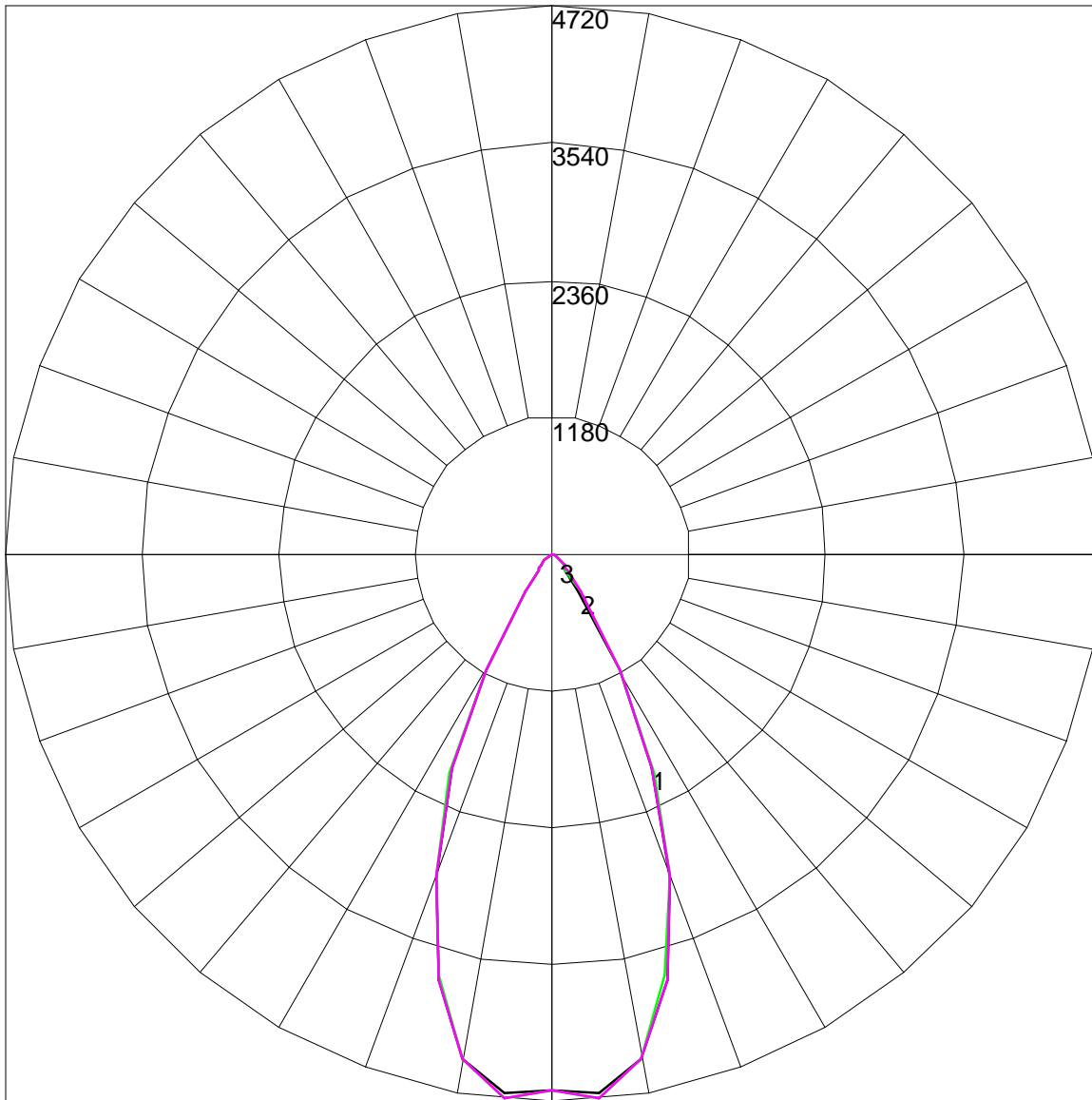
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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	84
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 = 4719.507 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)