

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : RDX4XT-30LXXKWDE1-RD4XSGSOX.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] Tue Jul 14 2015

[UPDATE] Thu Jan 21 2016

[TEST] SP-00480\_1\_M-30L

[MANUFAC] Spectrum Lighting

[LUMCAT] RDxx4LEDXT-30L-xxK-WD-E1-RD4x-SG-SOX

[LUMINAIRE] 4" 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: RDFO4 and RDZO4 series

[OTHER] For Trims: RD4F and RD4N 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	2121
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	61
Total Luminaire Watts	34.6
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.78
Spacing Criterion (90-270)	0.78
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>	3300.258	3300.258	3300.258	3300.258	3300.258
<b>5</b>	3222.042	3238.218	3224.652	3220.716	3248.028
<b>10</b>	3079.860	3055.866	3093.816	3073.368	3070.962
<b>15</b>	2729.430	2717.856	2729.424	2724.930	2686.518
<b>20</b>	2135.094	2153.868	2157.120	2163.702	2147.346
<b>25</b>	1429.860	1438.992	1441.830	1438.356	1432.386
<b>30</b>	783.480	790.692	791.268	792.996	787.686
<b>35</b>	352.608	353.268	354.066	354.240	348.246
<b>40</b>	174.318	174.480	173.958	172.434	172.848
<b>45</b>	111.876	110.742	110.562	110.604	109.590
<b>50</b>	75.786	72.660	72.258	73.314	73.680
<b>55</b>	47.514	46.554	45.990	46.176	46.260
<b>60</b>	29.196	30.192	29.238	29.934	30.150
<b>65</b>	14.508	14.406	15.660	15.810	15.204
<b>70</b>	1.524	2.016	2.274	3.474	5.112
<b>75</b>	1.098	1.734	1.926	8.940	11.580
<b>80</b>	1.170	5.700	4.956	9.336	10.674
<b>85</b>	0.450	1.878	2.916	3.354	3.408
<b>90</b>	0.084	0.882	1.992	2.106	2.412

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	1049.01	N.A.	49.50
0-30	1707.62	N.A.	80.50
0-40	1963.81	N.A.	92.60
0-60	2097.23	N.A.	98.90
0-80	2117.66	N.A.	99.80
0-90	2121.22	N.A.	100.00
10-90	1817.63	N.A.	85.70
20-40	914.80	N.A.	43.10
20-50	1004.6	N.A.	47.40
40-70	148.89	N.A.	7.00
60-80	20.43	N.A.	1.00
70-80	4.96	N.A.	0.20
80-90	3.56	N.A.	0.20
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	2121.22	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	303.59
10-20	745.42
20-30	658.61
30-40	256.20
40-50	89.80
50-60	43.62
60-70	15.47
70-80	4.96
80-90	3.56
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

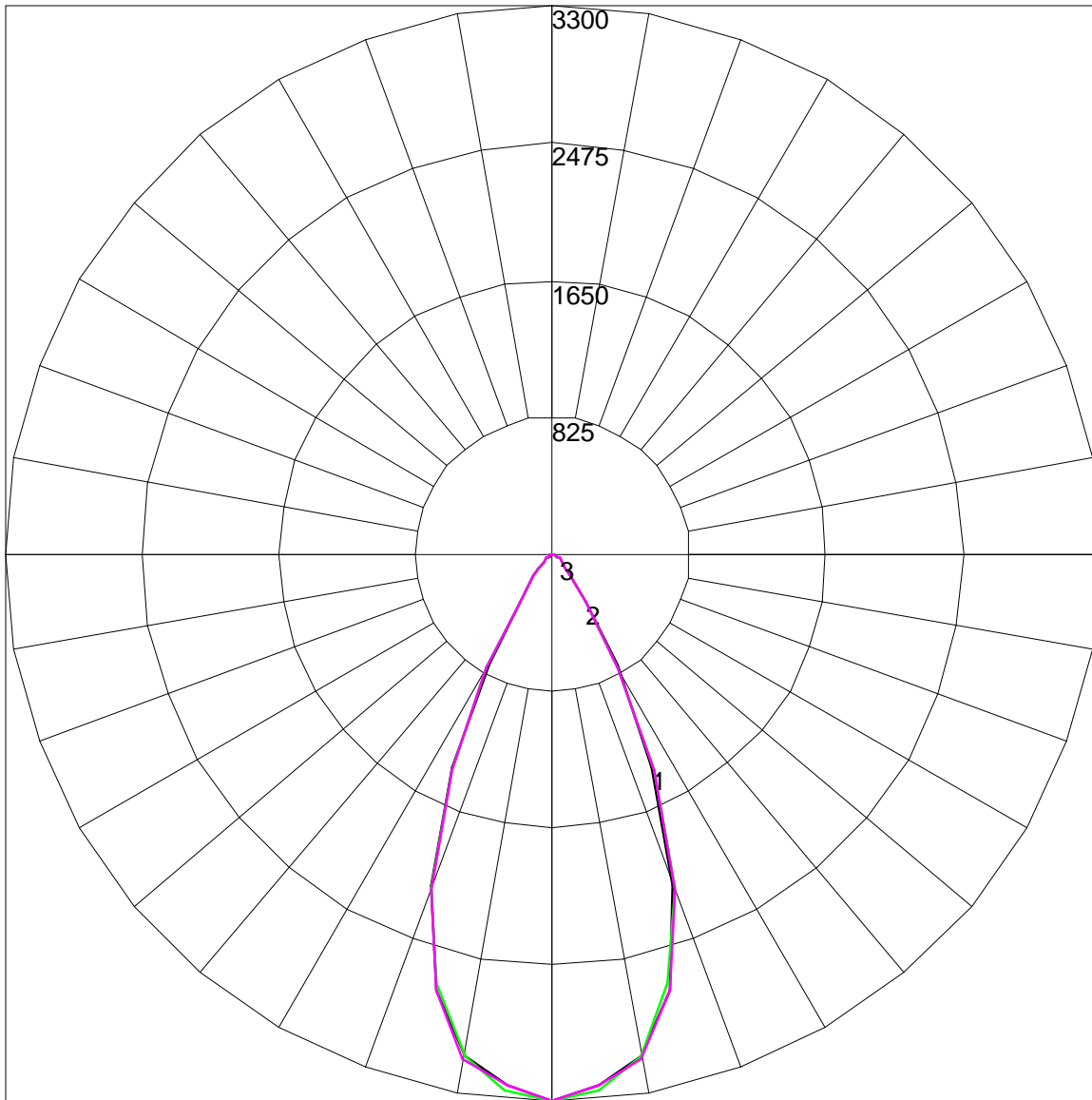
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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	106	102	99	96	99	96	94	96	94	92	93	91	90	88
3	104	97	93	89	102	96	92	88	93	90	87	91	88	86	89	86	84	83
4	99	92	86	83	97	91	86	82	88	84	81	86	83	80	85	82	79	78
5	94	86	81	77	93	86	80	77	84	79	76	82	78	75	81	77	75	73
6	90	82	76	72	89	81	76	72	80	75	71	78	74	71	77	73	71	69
7	86	78	72	68	85	77	72	68	76	71	67	74	70	67	73	70	67	65
8	82	74	68	64	81	73	68	64	72	67	64	71	67	64	70	66	63	62
9	79	70	65	61	78	70	64	61	69	64	61	68	64	60	67	63	60	59
10	76	67	61	58	75	66	61	58	66	61	58	65	61	57	64	60	57	56

POLAR GRAPH



Maximum Candela = 3300.258 Located At Horizontal Angle = 0, Vertical Angle = 0

# 1 - Vertical Plane Through Horizontal Angles (0 - 180)

# 2 - Vertical Plane Through Horizontal Angles (90 - 270)

# 3 - Vertical Plane Through Horizontal Angles (45 - 225)