

IES INDOOR REPORT**PHOTOMETRIC FILENAME : RDXX4XT-40LXXKNDE1-RD4XSGGLX.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002

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

[ISSUE DATE]

[TEST DATE] Tue Sep 08 2015

[UPDATE] Thu Jan 21 2016

[TEST] SP-00480_4_M-40L

[MANUFAC] Spectrum Lighting

[LUMCAT] RDxx4LEDXT-40L-xxK-ND-E1-RD4x-SG-GLX

[LUMINAIRE] 4" aperture, Narrow Beam

[TRIM] Semi-diffuse, regressed clear glass 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 GLX or GLW

[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	3302
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	83
Total Luminaire Watts	39.9
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.46
Spacing Criterion (90-270)	0.46
Spacing Criterion (Diagonal)	0.46
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>
0	12474.6541	12474.6541	12474.6541	12474.6541	12474.654
5	11924.8281	1930.7961	1959.7011	2015.5111	2018.830
10	8976.036	9029.844	9065.903	9031.938	8956.047
15	5031.003	5057.321	5069.287	5061.626	5094.766
20	2223.752	2252.365	2258.448	2254.799	2255.168
25	1325.955	1325.455	1323.884	1331.784	1334.941
30	717.232	715.461	714.752	721.636	718.695
35	122.107	126.542	126.103	120.282	123.262
40	36.506	35.204	36.252	33.156	31.801
45	21.660	18.919	18.988	15.885	16.324
50	15.092	12.928	11.981	11.889	11.180
55	11.943	9.563	8.840	10.264	10.564
60	5.967	6.198	6.229	7.346	7.430
65	3.688	4.712	5.205	5.375	6.052
70	0.693	1.286	1.201	2.502	4.058
75	0.462	1.717	1.347	7.122	9.617
80	0.246	6.891	4.366	9.209	10.626
85	0.200	0.554	1.170	1.201	1.324
90	0.038	0.108	0.570	0.739	0.654

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	2481.57	N.A.	75.20
0-30	3115.8	N.A.	94.40
0-40	3266.15	N.A.	98.90
0-60	3290.87	N.A.	99.70
0-80	3299.67	N.A.	99.90
0-90	3302.05	N.A.	100.00
10-90	2258.85	N.A.	68.40
20-40	784.58	N.A.	23.80
20-50	800.58	N.A.	24.20
40-70	29.29	N.A.	0.90
60-80	8.80	N.A.	0.30
70-80	4.23	N.A.	0.10
80-90	2.38	N.A.	0.10
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	3302.05	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	1043.2
10-20	1438.36
20-30	634.23
30-40	150.36
40-50	15.99
50-60	8.72
60-70	4.58
70-80	4.23
80-90	2.38
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

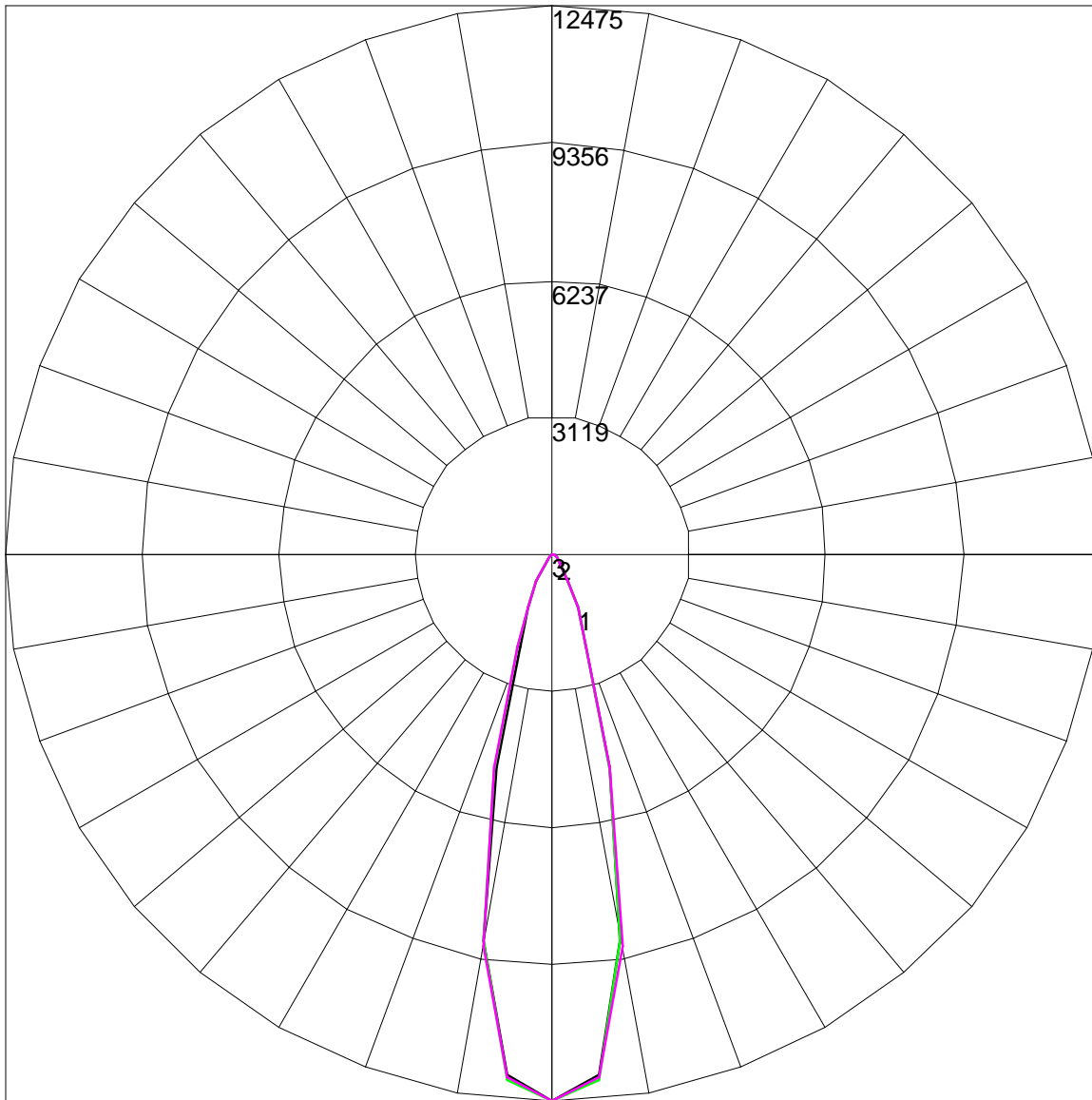
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	115	113	111	109	112	111	109	107	107	105	104	103	102	101	99	99	98	96
2	111	107	104	101	109	105	103	100	102	100	98	99	98	96	97	95	94	93
3	107	102	99	96	105	101	98	95	99	96	93	96	94	92	94	92	91	89
4	104	98	94	91	102	97	93	90	95	92	89	93	91	88	91	89	87	86
5	100	94	90	87	99	93	89	86	92	88	86	90	87	85	89	86	84	83
6	97	91	86	83	96	90	86	83	89	85	83	88	84	82	86	84	82	80
7	94	88	83	80	93	87	83	80	86	82	80	85	82	79	84	81	79	78
8	92	85	80	77	91	84	80	77	83	80	77	82	79	77	82	79	76	75
9	89	82	78	75	88	82	78	75	81	77	75	80	77	74	79	76	74	73
10	87	80	75	73	86	79	75	73	79	75	72	78	75	72	77	74	72	71

POLAR GRAPH



Maximum Candela = 12474.654 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)