

IES INDOOR REPORT**PHOTOMETRIC FILENAME : RDXX4XT-40LXXKMDE1-RD4XSGSOX.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002

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

[ISSUEDATE]

[TESTDATE] Tue Jul 14 2015

[UPDATE] Tue Feb 9 2016

[TEST] SP-00480_2_M-40L

[MANUFAC] Spectrum Lighting

[LUMCAT] RDxx4LEXT-40L-xxK-MD-E1-RD4x-SG-SOX

[LUMINAIRE] 4" 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: 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	2560
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	64
Total Luminaire Watts	39.9
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.64
Spacing Criterion (90-270)	0.64
Spacing Criterion (Diagonal)	0.70
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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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	4671.844	4671.844	4671.844	4671.844	4671.844
5	4446.388	4445.141	4395.861	4400.242	4400.442
10	3832.251	3845.095	3836.048	3865.000	3867.702
15	3082.202	3069.151	3062.929	3065.362	3070.929
20	2310.962	2317.022	2334.070	2326.262	2318.046
25	1682.843	1683.643	1689.388	1689.449	1703.194
30	1001.531	1010.740	1003.117	1004.881	1003.903
35	447.670	452.714	455.147	447.924	443.443
40	218.218	220.158	220.836	219.658	216.108
45	145.738	146.077	149.103	142.758	148.995
50	100.262	103.403	101.332	101.725	99.392
55	68.592	67.952	69.269	68.299	67.991
60	44.329	43.443	44.968	45.168	46.115
65	18.803	20.520	21.545	20.105	19.481
70	1.925	2.402	2.541	4.766	6.637
75	1.594	2.379	2.418	10.457	14.730
80	1.224	7.169	6.129	11.866	13.621
85	0.639	2.102	3.011	3.596	3.442
90	0.169	1.324	2.279	2.495	2.603

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	1258.99	N.A.	49.20
0-30	2020.72	N.A.	78.90
0-40	2346.83	N.A.	91.70
0-60	2527.77	N.A.	98.70
0-80	2555.8	N.A.	99.80
0-90	2560.00	N.A.	100.00
10-90	2155.68	N.A.	84.20
20-40	1087.84	N.A.	42.50
20-50	1205.66	N.A.	47.10
40-70	202.78	N.A.	7.90
60-80	28.03	N.A.	1.10
70-80	6.19	N.A.	0.20
80-90	4.19	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	2560.00	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	404.32
10-20	854.68
20-30	761.73
30-40	326.11
40-50	117.82
50-60	63.12
60-70	21.84
70-80	6.19
80-90	4.19
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

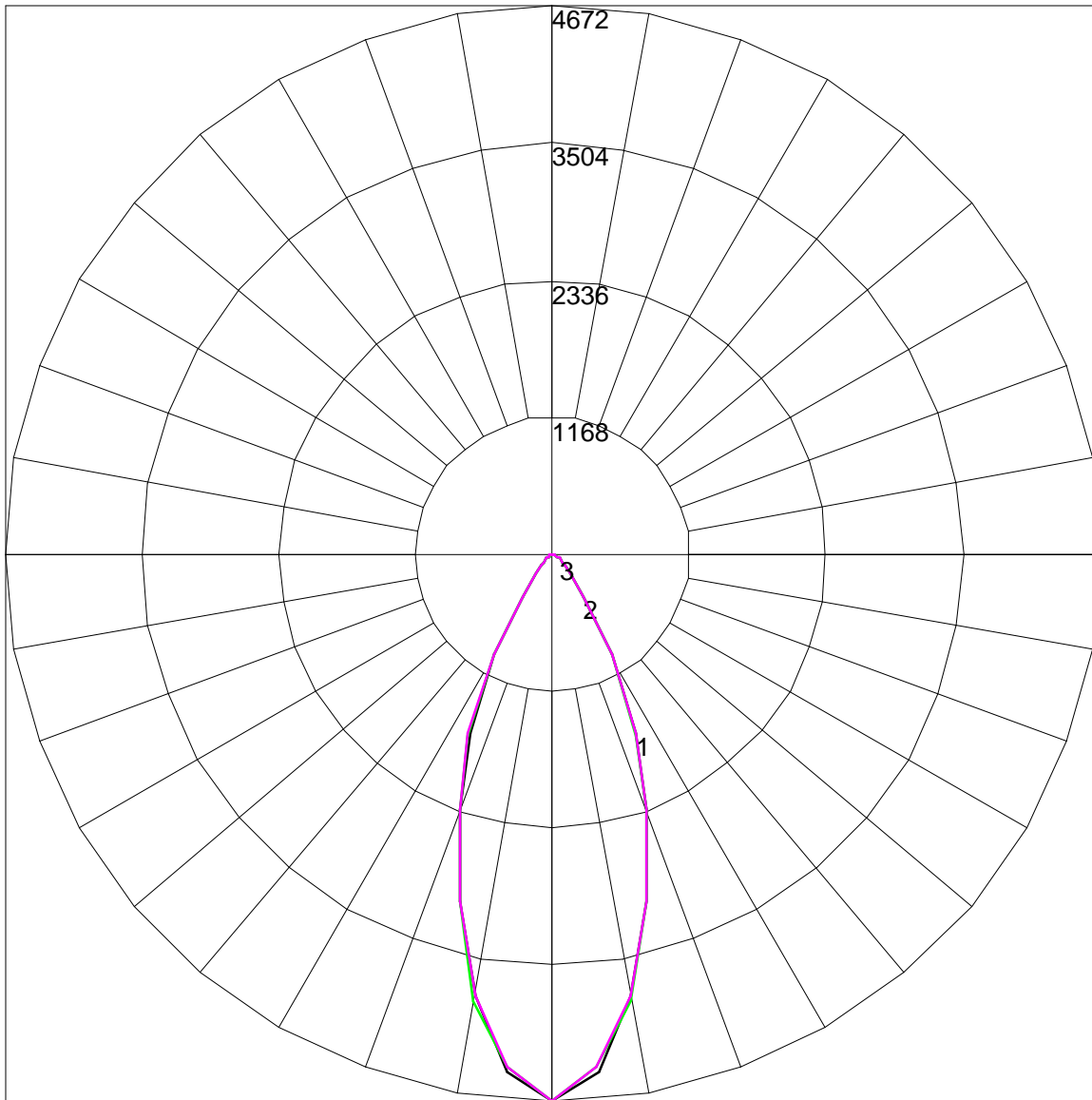
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	106	111	109	107	105	105	103	102	101	100	99	98	97	96	94
2	108	104	100	97	106	102	99	96	99	96	94	96	94	92	93	91	90	88
3	103	97	93	89	101	96	92	88	93	90	87	91	88	85	89	86	84	83
4	99	92	86	82	97	90	86	82	88	84	81	86	83	80	84	81	79	78
5	94	86	81	77	93	85	80	76	84	79	76	82	78	75	80	77	74	73
6	90	82	76	72	89	81	76	72	79	75	71	78	74	71	77	73	70	69
7	86	77	72	68	85	77	71	68	75	71	67	74	70	67	73	69	67	65
8	82	74	68	64	81	73	68	64	72	67	64	71	67	63	70	66	63	62
9	79	70	65	61	78	70	64	61	69	64	61	68	63	60	67	63	60	59
10	76	67	61	58	75	66	61	58	66	61	58	65	60	57	64	60	57	56

POLAR GRAPH



Maximum Candela = 4671.844 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)