

IES INDOOR REPORT**PHOTOMETRIC FILENAME : RDXX4XT-10LXXKMDE1-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] Wed Dec 23 2015

[TEST] SP-00480_2_M-10L

[MANUFAC] Spectrum Lighting

[LUMCAT] RDxx4LEXT-10L-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: RDFI4, RDFO4, RDZI4, 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	642
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	58
Total Luminaire Watts	11.1
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	1170.995	1170.995	1170.995	1170.995	1170.995
5	1114.484	1114.172	1101.820	1102.918	1102.968
10	960.551	963.771	961.503	968.760	969.437
15	772.552	769.281	767.721	768.331	769.726
20	579.241	580.760	585.033	583.076	581.017
25	421.803	422.004	423.444	423.459	426.904
30	251.033	253.341	251.431	251.873	251.628
35	112.208	113.472	114.082	112.272	111.149
40	54.696	55.183	55.352	55.057	54.167
45	36.529	36.614	37.373	35.782	37.346
50	25.131	25.918	25.399	25.497	24.912
55	17.192	17.032	17.362	17.119	17.042
60	11.111	10.889	11.271	11.321	11.559
65	4.713	5.143	5.400	5.039	4.883
70	0.483	0.602	0.637	1.195	1.664
75	0.400	0.596	0.606	2.621	3.692
80	0.307	1.797	1.536	2.974	3.414
85	0.160	0.527	0.755	0.901	0.863
90	0.042	0.332	0.571	0.625	0.652

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	315.57	N.A.	49.20
0-30	506.49	N.A.	78.90
0-40	588.23	N.A.	91.70
0-60	633.58	N.A.	98.70
0-80	640.61	N.A.	99.80
0-90	641.66	N.A.	100.00
10-90	540.32	N.A.	84.20
20-40	272.67	N.A.	42.50
20-50	302.20	N.A.	47.10
40-70	50.83	N.A.	7.90
60-80	7.03	N.A.	1.10
70-80	1.55	N.A.	0.20
80-90	1.05	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	641.66	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	101.34
10-20	214.22
20-30	190.93
30-40	81.74
40-50	29.53
50-60	15.82
60-70	5.47
70-80	1.55
80-90	1.05
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

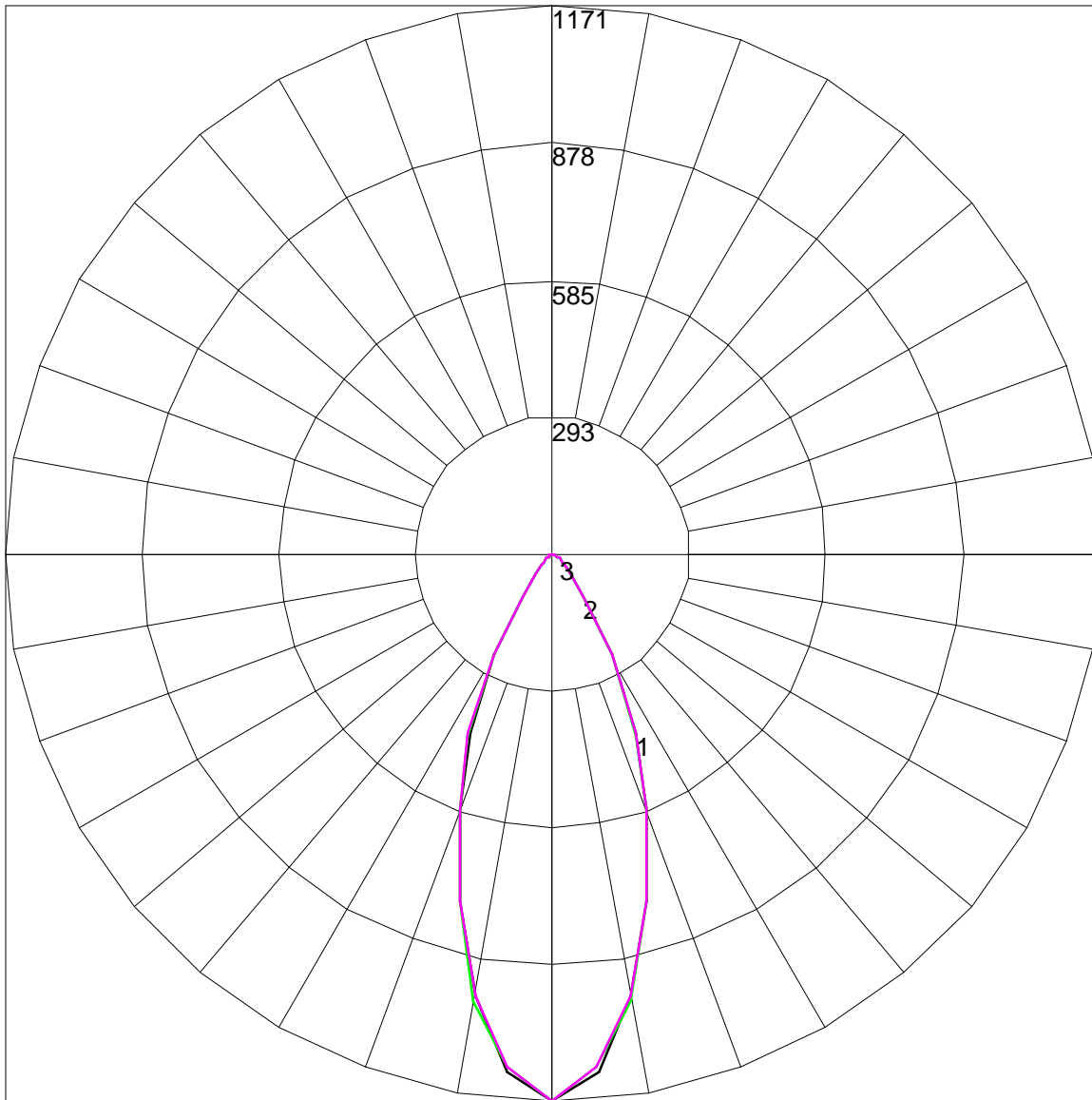
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	98	98	97	96	94
2	108	104	100	97	106	102	99	96	99	96	93	96	94	91	93	91	90	88
3	103	97	93	89	101	96	92	88	93	90	87	91	88	85	89	86	84	82
4	99	91	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	88	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	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	61	69	64	60	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 = 1170.995 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)