

IES INDOOR REPORT**PHOTOMETRIC FILENAME : RDXX4XT-30LXXKMDE1-RD4XSGSOX.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 Jul 14 2015

[UPDATE] Tue Feb 9 2016

[TEST] SP-00480_2_M-30L

[MANUFAC] Spectrum Lighting

[LUMCAT] RDxx4LEXT-30L-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	1995
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	58
Total Luminaire Watts	34.6
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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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	3640.398	3640.398	3640.398	3640.398	3640.398
5	3464.718	3463.746	3425.346	3428.760	3428.916
10	2986.170	2996.178	2989.128	3011.688	3013.794
15	2401.716	2391.546	2386.698	2388.594	2392.932
20	1800.750	1805.472	1818.756	1812.672	1806.270
25	1311.306	1311.930	1316.406	1316.454	1327.164
30	780.414	787.590	781.650	783.024	782.262
35	348.834	352.764	354.660	349.032	345.540
40	170.040	171.552	172.080	171.162	168.396
45	113.562	113.826	116.184	111.240	116.100
50	78.126	80.574	78.960	79.266	77.448
55	53.448	52.950	53.976	53.220	52.980
60	34.542	33.852	35.040	35.196	35.934
65	14.652	15.990	16.788	15.666	15.180
70	1.500	1.872	1.980	3.714	5.172
75	1.242	1.854	1.884	8.148	11.478
80	0.954	5.586	4.776	9.246	10.614
85	0.498	1.638	2.346	2.802	2.682
90	0.132	1.032	1.776	1.944	2.028

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	981.03	N.A.	49.20
0-30	1574.59	N.A.	78.90
0-40	1828.7	N.A.	91.70
0-60	1969.69	N.A.	98.70
0-80	1991.54	N.A.	99.80
0-90	1994.8	N.A.	100.00
10-90	1679.75	N.A.	84.20
20-40	847.67	N.A.	42.50
20-50	939.47	N.A.	47.10
40-70	158.01	N.A.	7.90
60-80	21.84	N.A.	1.10
70-80	4.82	N.A.	0.20
80-90	3.27	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	1994.8	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	315.05
10-20	665.98
20-30	593.55
30-40	254.11
40-50	91.81
50-60	49.19
60-70	17.02
70-80	4.82
80-90	3.27
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

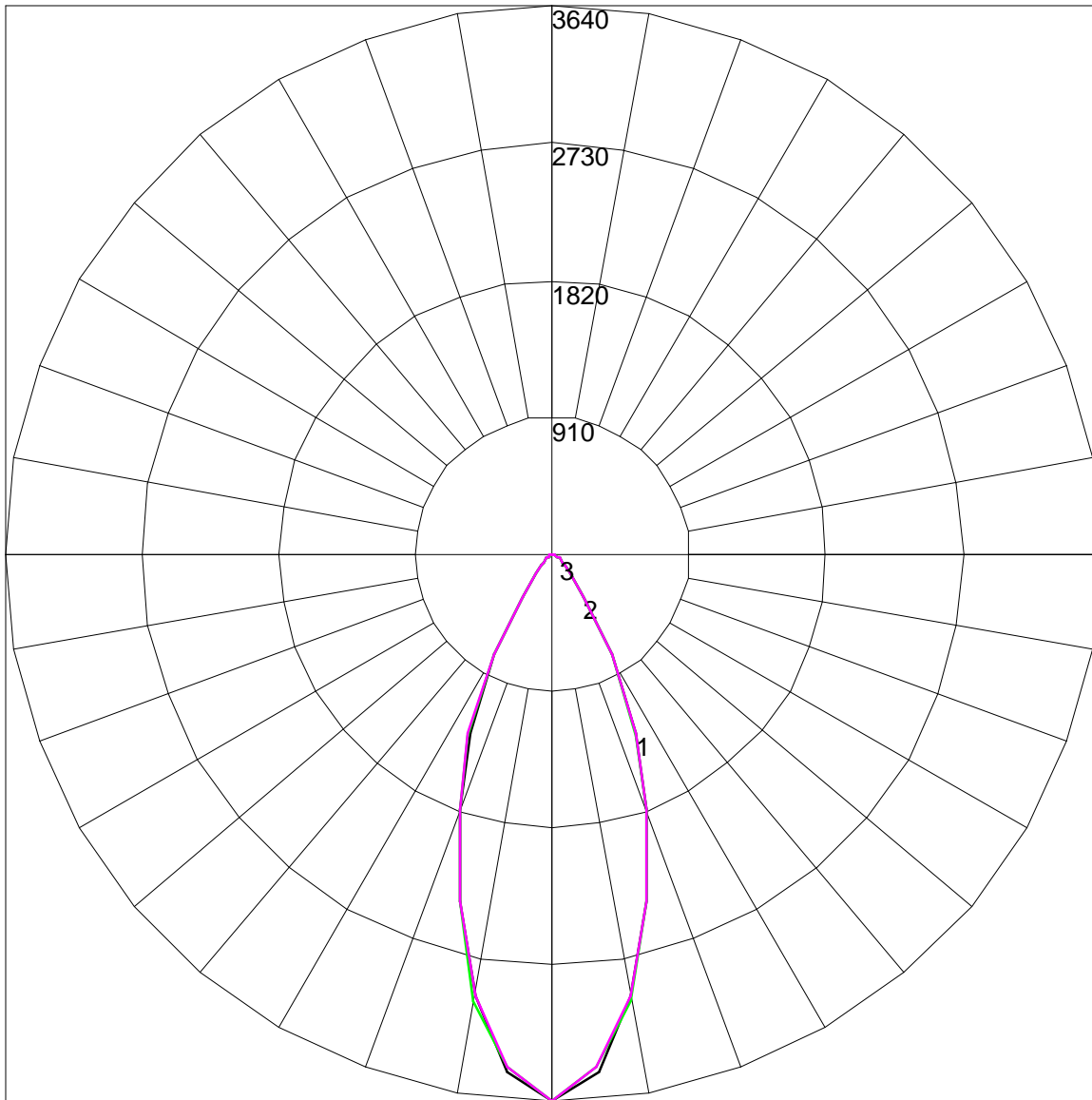
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	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 = 3640.398 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)