

IES INDOOR REPORT**PHOTOMETRIC FILENAME : RDXX4XT-40LXXKXWE1-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] Thu Jan 21 2016

[TEST] SP-00480_M-40L

[MANUFAC] Spectrum Lighting

[LUMCAT] RDxx4LEDXT-40L-xxK-XW-E1-RD4x-SG-SOX

[LUMINAIRE] 4" aperture, Xtra 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	2813
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	71
Total Luminaire Watts	39.9
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.76
Spacing Criterion (90-270)	0.76
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>
0	4391.549	4391.549	4391.549	4391.549	4391.549
5	4265.138	4235.146	4248.105	4248.660	4218.283
10	3942.215	3952.171	3976.403	3957.669	3995.122
15	3423.990	3402.499	3399.750	3399.188	3407.435
20	2710.354	2707.936	2716.167	2712.802	2729.904
25	1931.799	1947.392	1932.238	1930.929	1941.794
30	1158.188	1150.280	1155.909	1151.905	1153.729
35	551.759	554.015	550.912	546.199	544.929
40	264.995	274.004	270.439	268.830	265.873
45	158.851	158.682	158.751	156.549	154.524
50	96.119	94.756	95.249	95.634	93.640
55	57.989	55.571	56.580	55.032	54.955
60	34.473	33.618	34.242	33.587	34.065
65	15.816	16.439	17.225	17.302	16.493
70	1.802	2.402	2.472	3.696	5.174
75	1.301	2.295	2.040	8.347	10.634
80	0.739	3.604	2.795	5.967	6.599
85	0.416	1.779	2.764	3.411	3.811
90	0.131	0.808	1.679	2.395	2.687

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	1338.14	N.A.	47.60
0-30	2217.04	N.A.	78.80
0-40	2604.61	N.A.	92.60
0-60	2788.43	N.A.	99.10
0-80	2810.1	N.A.	99.90
0-90	2812.99	N.A.	100.00
10-90	2416.17	N.A.	85.90
20-40	1266.47	N.A.	45.00
20-50	1396.68	N.A.	49.70
40-70	201.16	N.A.	7.20
60-80	21.67	N.A.	0.80
70-80	4.33	N.A.	0.20
80-90	2.89	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	2812.99	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	396.82
10-20	941.32
20-30	878.90
30-40	387.57
40-50	130.21
50-60	53.61
60-70	17.34
70-80	4.33
80-90	2.89
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

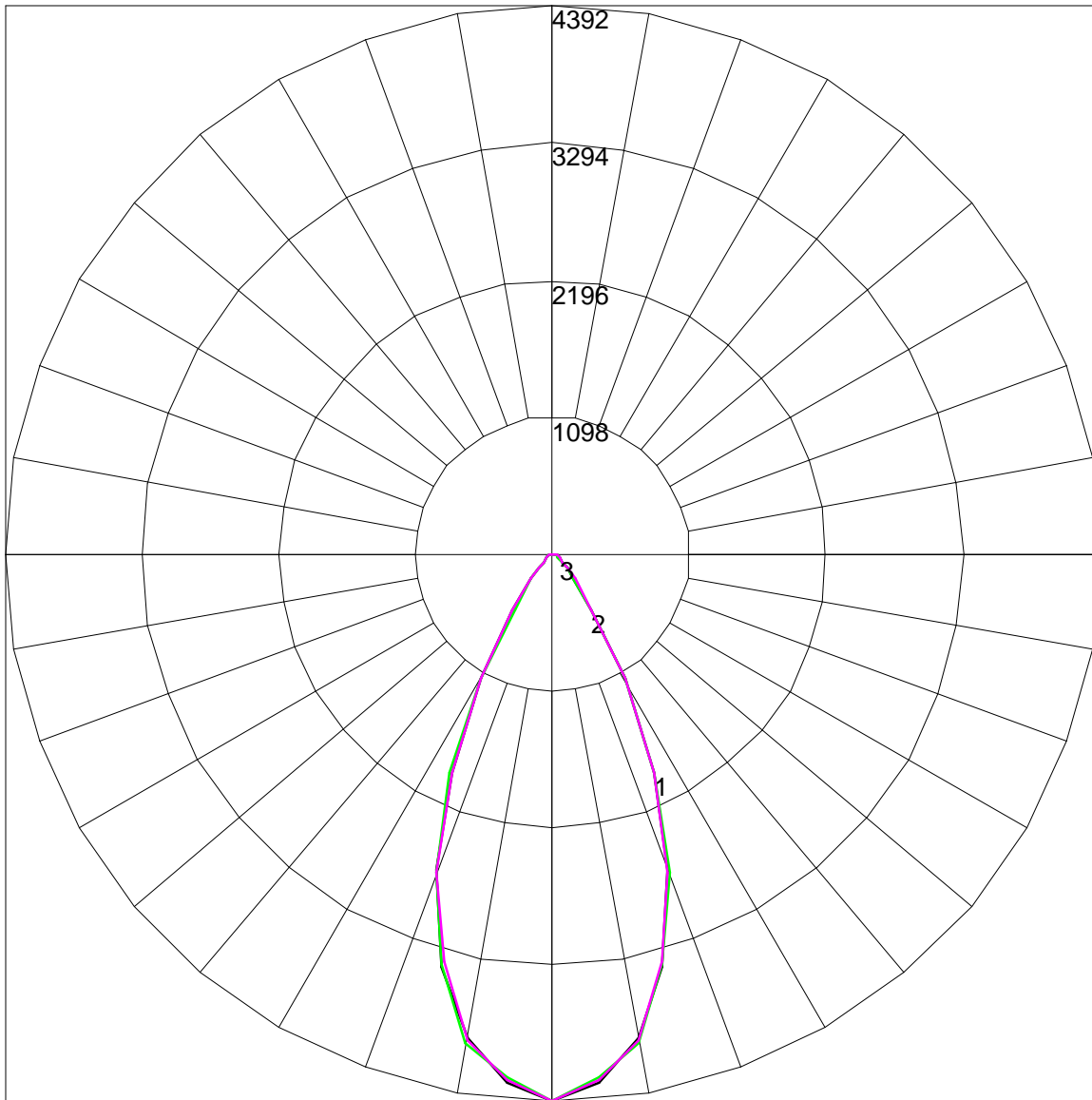
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	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	91	86	82	97	90	85	82	88	84	81	86	83	80	84	81	79	77
5	94	86	81	77	92	85	80	76	83	79	76	82	78	75	80	77	74	73
6	90	81	76	72	88	81	75	71	79	74	71	78	74	71	76	73	70	69
7	86	77	71	67	84	76	71	67	75	70	67	74	70	67	73	69	66	65
8	82	73	67	64	81	73	67	64	71	67	63	70	66	63	70	66	63	61
9	79	69	64	60	77	69	64	60	68	63	60	67	63	60	66	62	60	58
10	75	66	61	57	74	66	61	57	65	60	57	64	60	57	64	59	57	55

POLAR GRAPH



Maximum Candela = 4391.549 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)