

IES INDOOR REPORT**PHOTOMETRIC FILENAME : RDXX6XT-40LXXKXWE1-RD6XSGSOX.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002

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

[ISSUE DATE]

[TEST DATE] Fri Jun 19 2015

[UPDATE] Thu Jan 21 2016

[TEST] SP-00476_2_M-40L

[MANUFAC] Spectrum Lighting

[LUMCAT] RDxx6LEDXT-40L-xxK-XW-E1-RD6x-SG-SOX

[LUMINAIRE] 6" 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: RDFO6 and RDZO6 series

[OTHER] For Trims: RD6F and RD6N 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	3064
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	77
Total Luminaire Watts	39.9
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.88
Spacing Criterion (90-270)	0.88
Spacing Criterion (Diagonal)	0.80
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	4039.859	4039.859	4039.859	4039.859	4039.859
5	4239.812	4071.359	4084.449	4080.145	4039.928
10	4108.935	4173.962	4130.734	4058.216	4091.641
15	3810.014	3799.904	3805.440	3815.157	3829.356
20	3194.830	3184.081	3167.310	3198.218	3209.984
25	2333.824	2357.417	2347.206	2329.281	2367.711
30	1363.477	1351.704	1364.371	1364.055	1373.395
35	524.023	520.335	514.337	524.254	524.208
40	230.992	236.244	238.423	234.634	231.801
45	157.796	155.255	150.943	153.446	156.880
50	97.805	96.142	93.024	92.477	95.218
55	56.734	58.843	61.554	58.766	55.132
60	5.729	6.014	6.175	5.321	5.752
65	1.055	1.193	1.032	0.893	0.716
70	0.785	0.785	0.670	0.716	0.716
75	0.400	0.524	0.354	0.316	0.393
80	0.293	0.192	0.208	0.323	0.185
85	0.154	0.115	0.077	0.069	0.038
90	0.000	0.000	0.038	0.000	0.000

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	1437.82	N.A.	46.90
0-30	2487.54	N.A.	81.20
0-40	2890.93	N.A.	94.30
0-60	3061.57	N.A.	99.90
0-80	3064.13	N.A.	100.00
0-90	3064.25	N.A.	100.00
10-90	2673.32	N.A.	87.20
20-40	1453.11	N.A.	47.40
20-50	1575.49	N.A.	51.40
40-70	172.73	N.A.	5.60
60-80	2.56	N.A.	0.10
70-80	0.47	N.A.	0.00
80-90	0.12	N.A.	0.00
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	3064.25	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	390.93
10-20	1046.89
20-30	1049.72
30-40	403.39
40-50	122.37
50-60	48.26
60-70	2.09
70-80	0.47
80-90	0.12
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

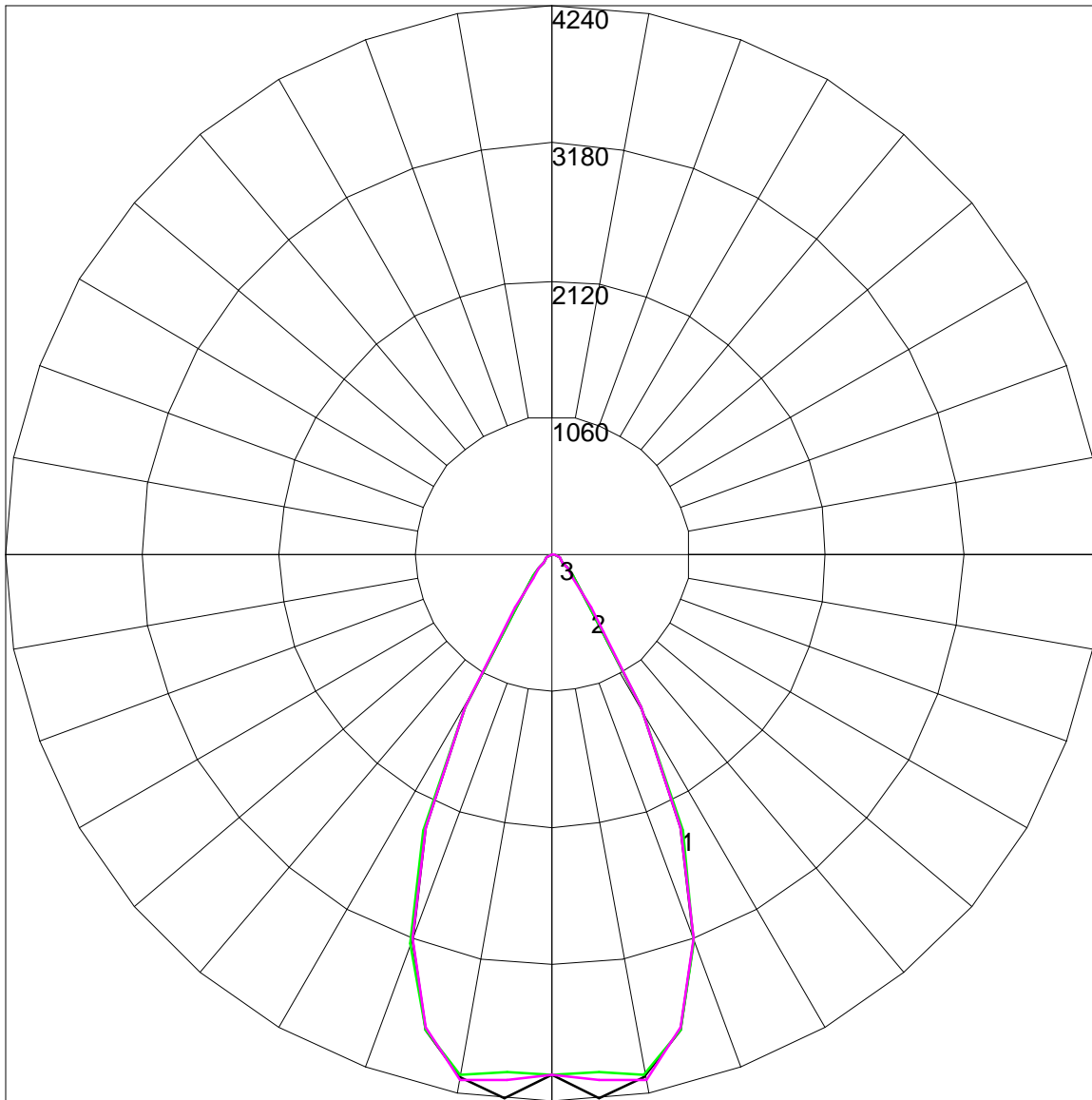
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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

POLAR GRAPH



Maximum Candela = 4239.812 Located At Horizontal Angle = 0, Vertical Angle = 5

1 - Vertical Plane Through Horizontal Angles (0 - 180)

2 - Vertical Plane Through Horizontal Angles (90 - 270)

3 - Vertical Plane Through Horizontal Angles (45 - 225)