

IES INDOOR REPORT**PHOTOMETRIC FILENAME : RDXX6XT-40LXXKWDE1-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_3_M-40L

[MANUFAC] Spectrum Lighting

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

[LUMINAIRE] 6" aperture, 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	3007
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	75
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)	0.78
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	3974.286	3974.286	3974.286	3974.286	3974.286
5	4066.354	4178.112	4083.402	4103.738	4134.392
10	4228.909	4198.471	4178.975	4200.743	4227.492
15	4008.104	3912.070	3924.213	3940.067	3963.313
20	3292.558	3276.720	3268.034	3285.598	3298.564
25	2334.347	2307.474	2287.886	2320.233	2319.717
30	1246.584	1238.352	1237.752	1224.231	1216.315
35	406.067	411.827	405.651	405.667	409.255
40	183.345	174.459	178.440	176.769	176.576
45	131.169	129.660	125.133	131.886	131.470
50	106.622	106.075	105.690	103.704	103.426
55	63.194	66.620	65.327	65.411	66.374
60	6.660	5.952	6.245	6.345	6.098
65	1.224	1.093	1.063	0.862	1.047
70	0.539	0.470	0.547	0.585	0.947
75	0.547	0.400	0.354	0.601	0.470
80	0.069	0.154	0.308	0.293	0.308
85	0.085	0.062	0.123	0.139	0.123
90	0.092	0.038	0.000	0.000	0.000

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	1472.46	N.A.	49.00
0-30	2507.42	N.A.	83.40
0-40	2846.64	N.A.	94.70
0-60	3004.57	N.A.	99.90
0-80	3007.21	N.A.	100.00
0-90	3007.34	N.A.	100.00
10-90	2613.05	N.A.	86.90
20-40	1374.18	N.A.	45.70
20-50	1478.41	N.A.	49.20
40-70	160.11	N.A.	5.30
60-80	2.64	N.A.	0.10
70-80	0.46	N.A.	0.00
80-90	0.13	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	3007.34	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	394.28
10-20	1078.18
20-30	1034.96
30-40	339.22
40-50	104.24
50-60	53.70
60-70	2.18
70-80	0.46
80-90	0.13
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

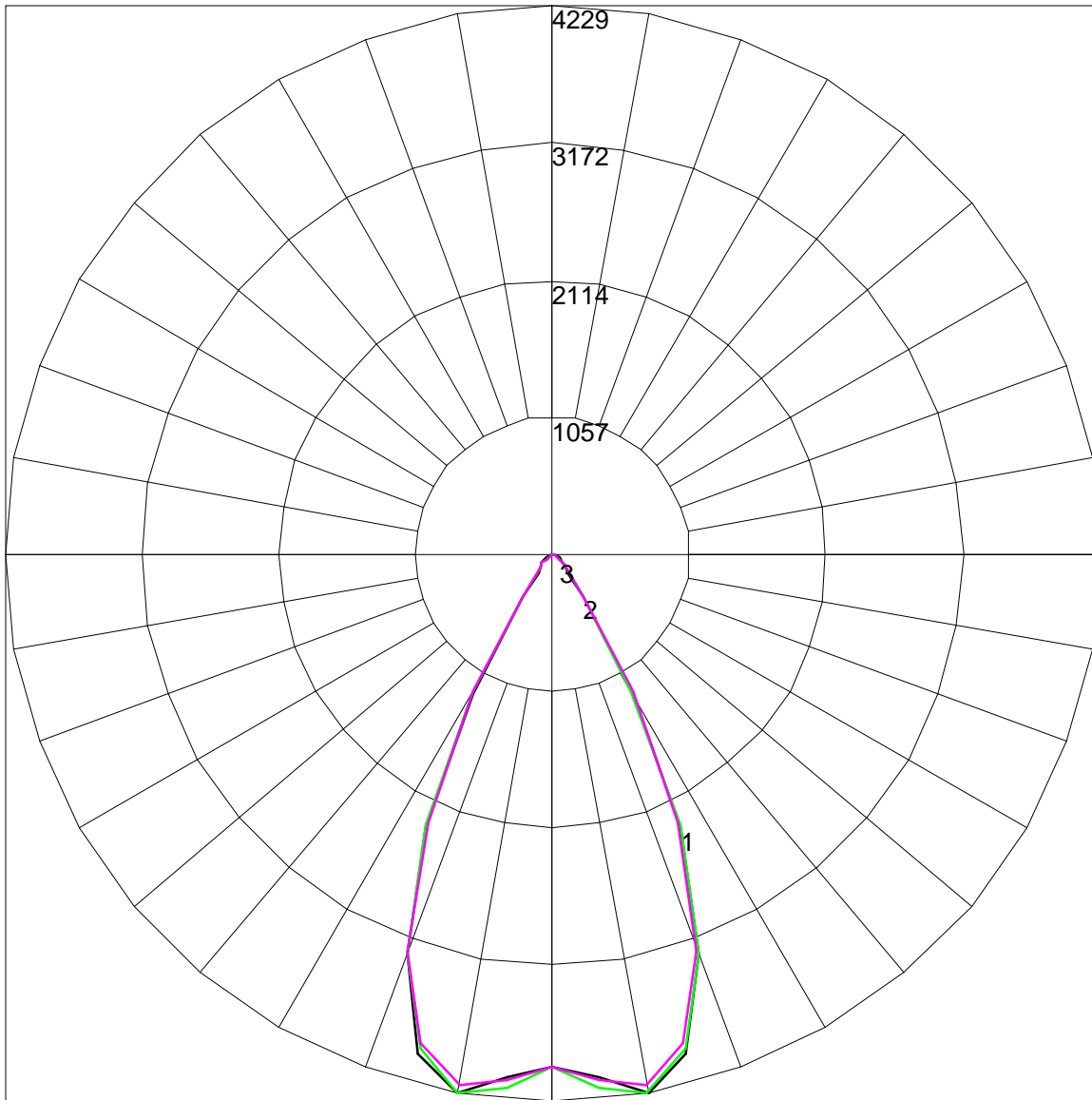
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	112	109	107	105	105	104	102	101	100	99	98	97	96	94
2	109	104	101	97	107	103	99	96	99	97	94	96	94	92	94	92	90	89
3	104	98	93	90	102	97	92	89	94	91	88	92	89	86	89	87	85	83
4	99	92	87	83	98	91	86	83	89	85	82	87	84	81	85	82	80	79
5	95	87	82	78	93	86	81	77	84	80	77	83	79	76	81	78	75	74
6	91	82	77	73	89	82	76	73	80	76	72	79	75	72	78	74	71	70
7	87	78	73	69	85	77	72	69	76	72	68	75	71	68	74	70	67	66
8	83	74	69	65	82	74	68	65	73	68	65	72	67	64	71	67	64	63
9	79	71	65	61	78	70	65	61	69	64	61	68	64	61	68	64	61	60
10	76	67	62	58	75	67	62	58	66	61	58	65	61	58	65	61	58	57

POLAR GRAPH



Maximum Candela = 4228.909 Located At Horizontal Angle = 0, Vertical Angle = 10

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

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

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