

IES INDOOR REPORT**PHOTOMETRIC FILENAME : RDXX6XT-30LXXKXWE1-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-30L

[MANUFAC] Spectrum Lighting

[LUMCAT] RDxx6LEDXT-30L-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	2388
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	69
Total Luminaire Watts	34.6
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	3147.942	3147.942	3147.942	3147.942	3147.942
5	3303.750	3172.488	3182.688	3179.334	3147.996
10	3201.768	3252.438	3218.754	3162.246	3188.292
15	2968.842	2960.964	2965.278	2972.850	2983.914
20	2489.478	2481.102	2468.034	2492.118	2501.286
25	1818.564	1836.948	1828.992	1815.024	1844.970
30	1062.450	1053.276	1063.146	1062.900	1070.178
35	408.330	405.456	400.782	408.510	408.474
40	179.994	184.086	185.784	182.832	180.624
45	122.958	120.978	117.618	119.568	122.244
50	76.212	74.916	72.486	72.060	74.196
55	44.208	45.852	47.964	45.792	42.960
60	4.464	4.686	4.812	4.146	4.482
65	0.822	0.930	0.804	0.696	0.558
70	0.612	0.612	0.522	0.558	0.558
75	0.312	0.408	0.276	0.246	0.306
80	0.228	0.150	0.162	0.252	0.144
85	0.120	0.090	0.060	0.054	0.030
90	0.000	0.000	0.030	0.000	0.000

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	1120.38	N.A.	46.90
0-30	1938.34	N.A.	81.20
0-40	2252.68	N.A.	94.30
0-60	2385.64	N.A.	99.90
0-80	2387.64	N.A.	100.00
0-90	2387.73	N.A.	100.00
10-90	2083.11	N.A.	87.20
20-40	1132.3	N.A.	47.40
20-50	1227.65	N.A.	51.40
40-70	134.60	N.A.	5.60
60-80	2.00	N.A.	0.10
70-80	0.36	N.A.	0.00
80-90	0.09	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	2387.73	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	304.62
10-20	815.76
20-30	817.97
30-40	314.33
40-50	95.36
50-60	37.61
60-70	1.63
70-80	0.36
80-90	0.09
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

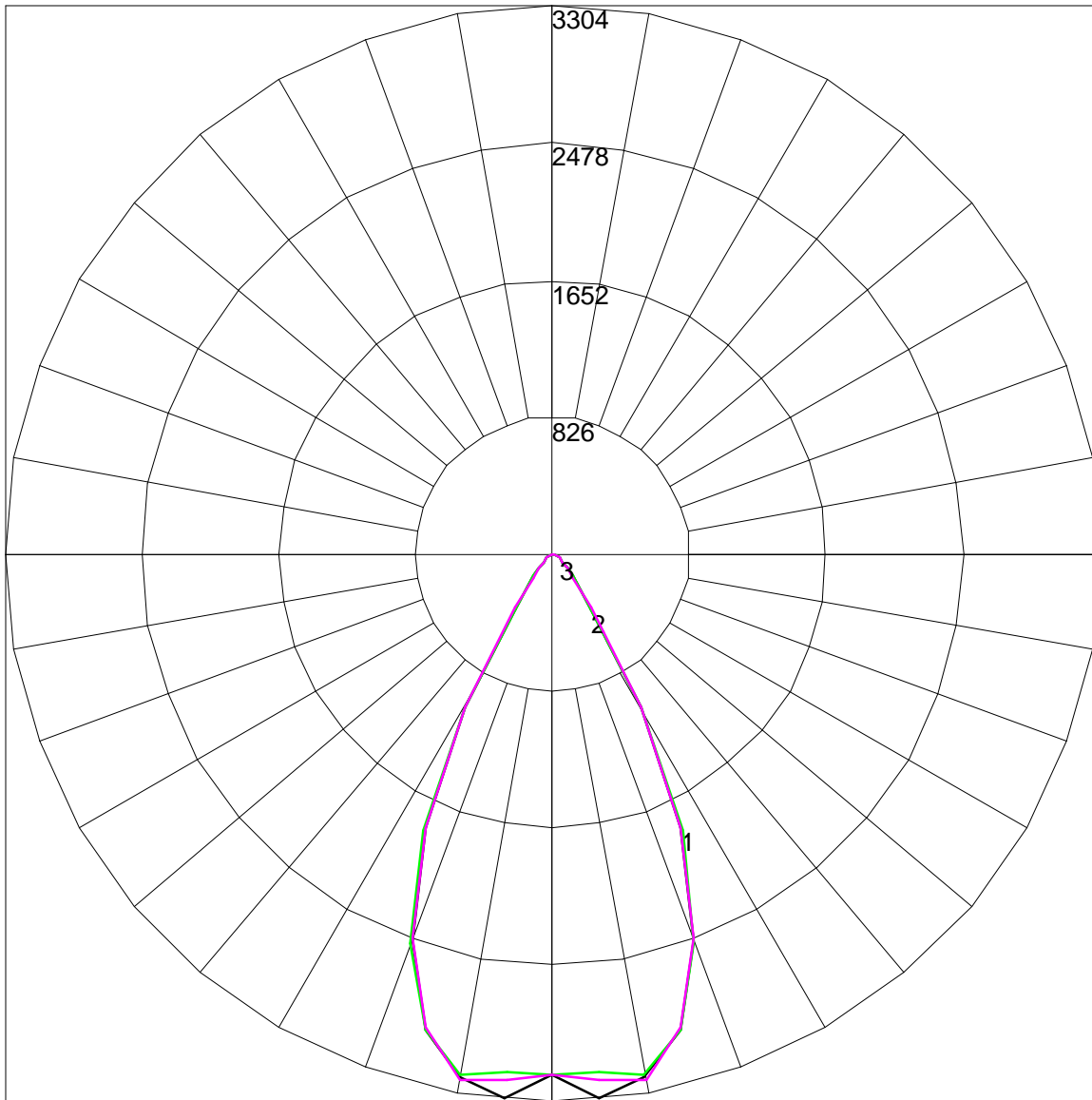
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	66	63	70	66	63	62
9	79	70	64	61	78	69	64	60	68	64	60	67	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 = 3303.75 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)