

IES INDOOR REPORT**PHOTOMETRIC FILENAME : RDXX6XT-20LXXKXWE1-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 Oct 22 2015

[TEST] SP-00476_2_M-20L

[MANUFAC] Spectrum Lighting

[LUMCAT] RDxx6LEDXT-20L-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: RDFl6, RDFO6, RDZl6, 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	1592
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	67
Total Luminaire Watts	23.7
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	2098.628	2098.628	2098.628	2098.628	2098.628
5	2202.500	2114.992	2121.792	2119.556	2098.664
10	2134.512	2168.292	2145.836	2108.164	2125.528
15	1979.228	1973.976	1976.852	1981.900	1989.276
20	1659.652	1654.068	1645.356	1661.412	1667.524
25	1212.376	1224.632	1219.328	1210.016	1229.980
30	708.300	702.184	708.764	708.600	713.452
35	272.220	270.304	267.188	272.340	272.316
40	119.996	122.724	123.856	121.888	120.416
45	81.972	80.652	78.412	79.712	81.496
50	50.808	49.944	48.324	48.040	49.464
55	29.472	30.568	31.976	30.528	28.640
60	2.976	3.124	3.208	2.764	2.988
65	0.548	0.620	0.536	0.464	0.372
70	0.408	0.408	0.348	0.372	0.372
75	0.208	0.272	0.184	0.164	0.204
80	0.152	0.100	0.108	0.168	0.096
85	0.080	0.060	0.040	0.036	0.020
90	0.000	0.000	0.020	0.000	0.000

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	746.92	N.A.	46.90
0-30	1292.23	N.A.	81.20
0-40	1501.78	N.A.	94.30
0-60	1590.43	N.A.	99.90
0-80	1591.76	N.A.	100.00
0-90	1591.82	N.A.	100.00
10-90	1388.74	N.A.	87.20
20-40	754.86	N.A.	47.40
20-50	818.44	N.A.	51.40
40-70	89.73	N.A.	5.60
60-80	1.33	N.A.	0.10
70-80	0.24	N.A.	0.00
80-90	0.06	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	1591.82	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	203.08
10-20	543.84
20-30	545.31
30-40	209.55
40-50	63.57
50-60	25.07
60-70	1.09
70-80	0.24
80-90	0.06
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

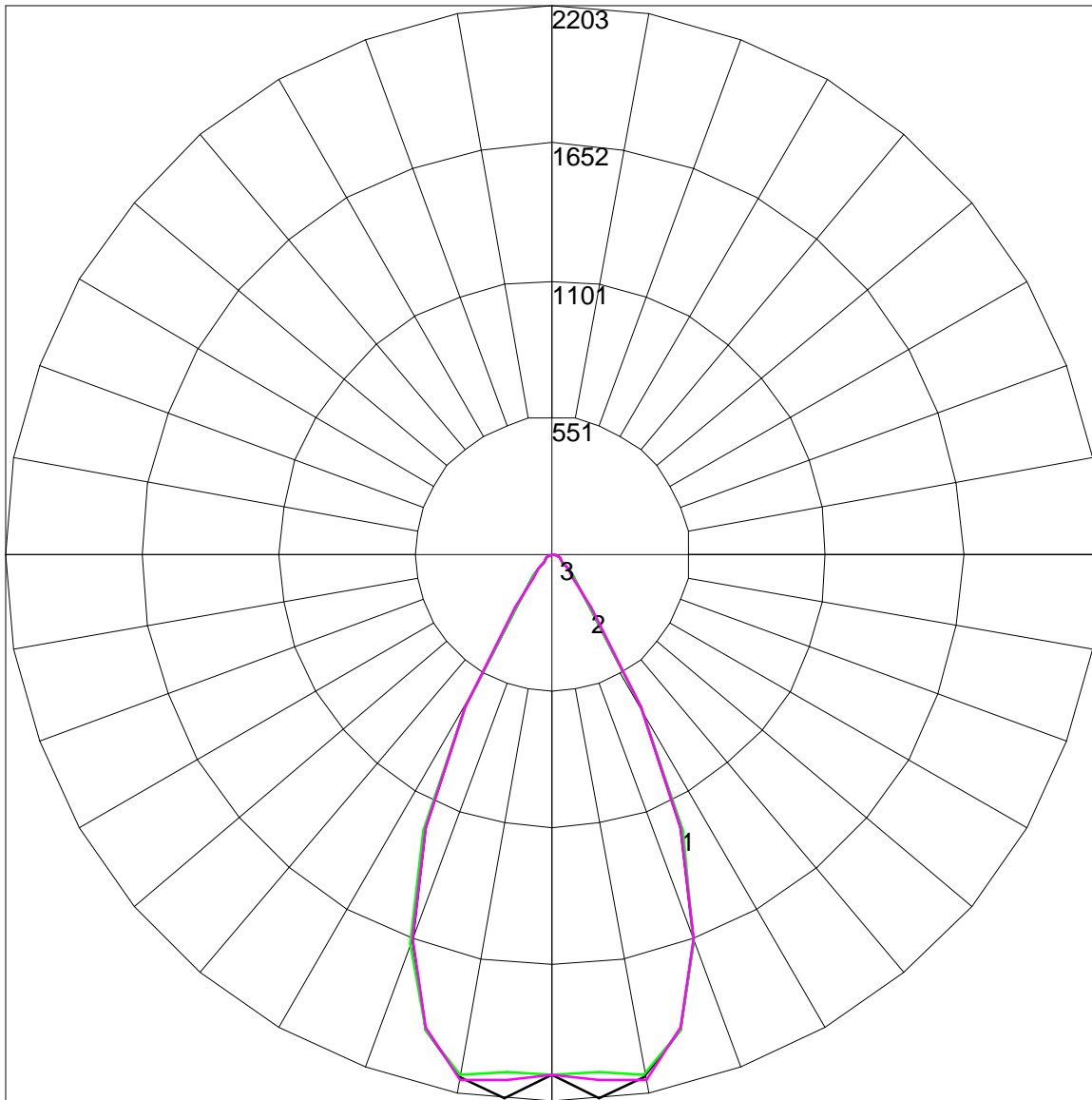
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 2202.5 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)