

IES INDOOR REPORT**PHOTOMETRIC FILENAME : RDXX6XT-20LXXKWDE1-RD6XSGSOX.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002

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

[ISSUEDATE]

[TESTDATE] Fri Jun 19 2015

[UPDATE] Thu Oct 22 2015

[TEST] SP-00476_3_M-20L

[MANUFAC] Spectrum Lighting

[LUMCAT] RDxx6LEDXT-20L-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: 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	1562
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	66
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)	0.78
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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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	2064.564	2064.564	2064.564	2064.564	2064.564
5	2112.392	2170.448	2121.248	2131.812	2147.736
10	2196.836	2181.024	2170.896	2182.204	2196.100
15	2082.132	2032.244	2038.552	2046.788	2058.864
20	1710.420	1702.192	1697.680	1706.804	1713.540
25	1212.648	1198.688	1188.512	1205.316	1205.048
30	647.576	643.300	642.988	635.964	631.852
35	210.944	213.936	210.728	210.736	212.600
40	95.244	90.628	92.696	91.828	91.728
45	68.140	67.356	65.004	68.512	68.296
50	55.388	55.104	54.904	53.872	53.728
55	32.828	34.608	33.936	33.980	34.480
60	3.460	3.092	3.244	3.296	3.168
65	0.636	0.568	0.552	0.448	0.544
70	0.280	0.244	0.284	0.304	0.492
75	0.284	0.208	0.184	0.312	0.244
80	0.036	0.080	0.160	0.152	0.160
85	0.044	0.032	0.064	0.072	0.064
90	0.048	0.020	0.000	0.000	0.000

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	764.91	N.A.	49.00
0-30	1302.56	N.A.	83.40
0-40	1478.77	N.A.	94.70
0-60	1560.81	N.A.	99.90
0-80	1562.19	N.A.	100.00
0-90	1562.25	N.A.	100.00
10-90	1357.43	N.A.	86.90
20-40	713.86	N.A.	45.70
20-50	768.01	N.A.	49.20
40-70	83.17	N.A.	5.30
60-80	1.37	N.A.	0.10
70-80	0.24	N.A.	0.00
80-90	0.07	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	1562.25	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	204.82
10-20	560.09
20-30	537.64
30-40	176.22
40-50	54.15
50-60	27.89
60-70	1.13
70-80	0.24
80-90	0.07
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

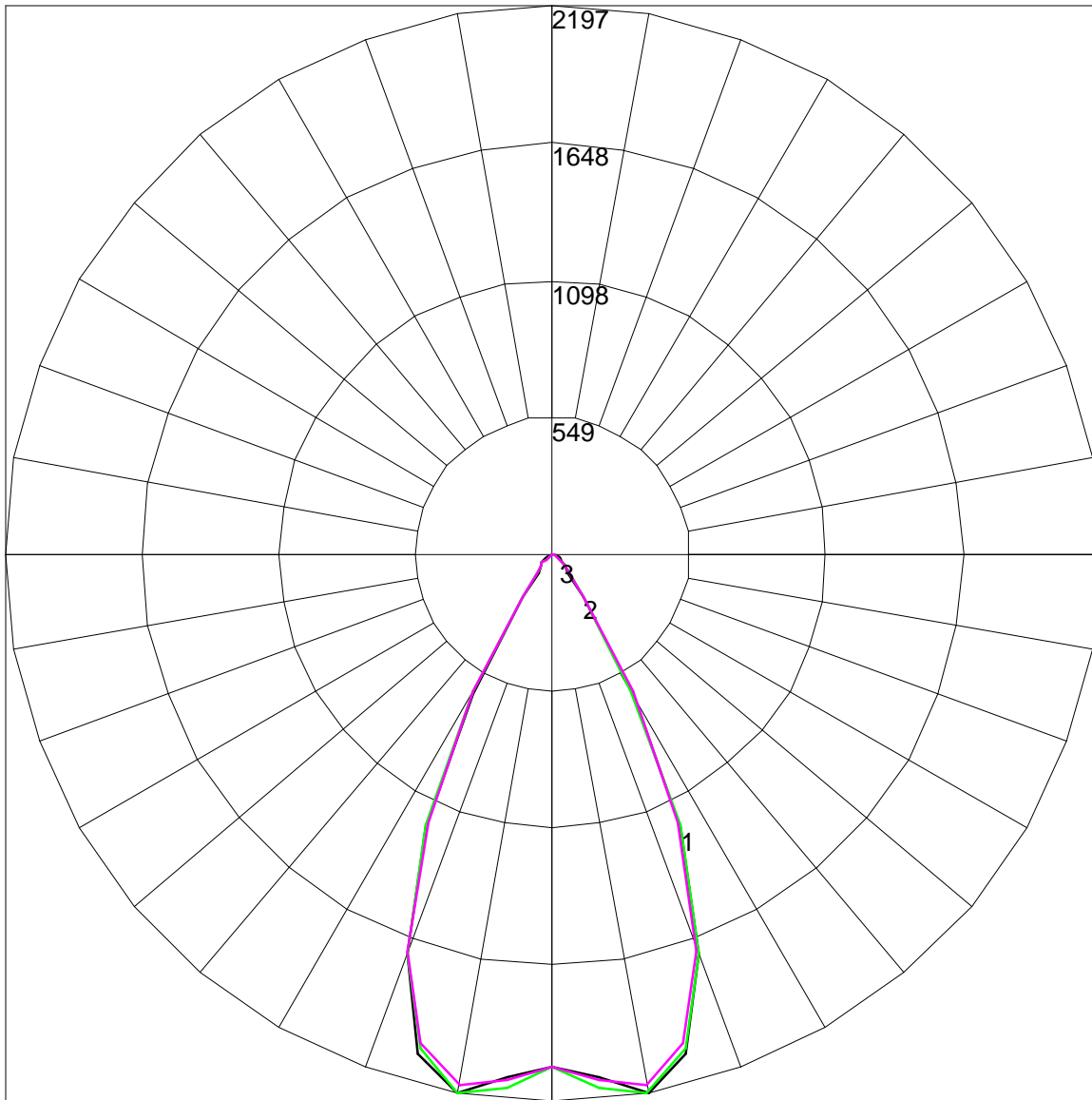
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 2196.836 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)