

IES INDOOR REPORT**PHOTOMETRIC FILENAME : RDXX6XT-20LXXKMDE1-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_4_M-20L

[MANUFAC] Spectrum Lighting

[LUMCAT] RDxx6LEDXT-20L-xxK-MD-E1-RD6x-SG-SOX

[LUMINAIRE] 6" aperture, Medium 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: RDFI6, RDFO6, RDZI6, 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	1523
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	64
Total Luminaire Watts	23.7
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.76
Spacing Criterion (90-270)	0.76
Spacing Criterion (Diagonal)	0.74
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	2398.800	2398.800	2398.800	2398.800	2398.800
5	2421.940	2408.144	2451.692	2411.432	2447.176
10	2293.832	2269.420	2295.880	2311.364	2302.736
15	1982.188	1983.196	1974.792	1971.888	1957.752
20	1539.252	1531.448	1534.964	1538.344	1531.192
25	1060.196	1068.328	1061.852	1054.672	1083.444
30	607.472	604.860	607.772	603.380	605.456
35	205.288	206.184	208.812	207.116	209.772
40	94.136	93.248	94.956	93.960	91.272
45	85.132	82.460	83.004	81.948	84.244
50	70.996	70.724	70.212	70.984	70.224
55	41.820	43.484	41.752	40.484	44.040
60	3.952	3.228	3.264	3.360	3.172
65	0.564	0.564	0.424	0.332	0.504
70	0.344	0.336	0.404	0.216	0.368
75	0.152	0.332	0.192	0.220	0.264
80	0.196	0.108	0.072	0.124	0.104
85	0.020	0.020	0.032	0.052	0.020
90	0.000	0.000	0.000	0.024	0.000

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	769.03	N.A.	50.50
0-30	1252.94	N.A.	82.30
0-40	1422.91	N.A.	93.40
0-60	1521.73	N.A.	99.90
0-80	1523.1	N.A.	100.00
0-90	1523.15	N.A.	100.00
10-90	1296.61	N.A.	85.10
20-40	653.88	N.A.	42.90
20-50	717.66	N.A.	47.10
40-70	99.95	N.A.	6.60
60-80	1.37	N.A.	0.10
70-80	0.24	N.A.	0.00
80-90	0.05	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	1523.15	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	226.54
10-20	542.49
20-30	483.92
30-40	169.97
40-50	63.77
50-60	35.05
60-70	1.13
70-80	0.24
80-90	0.05
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

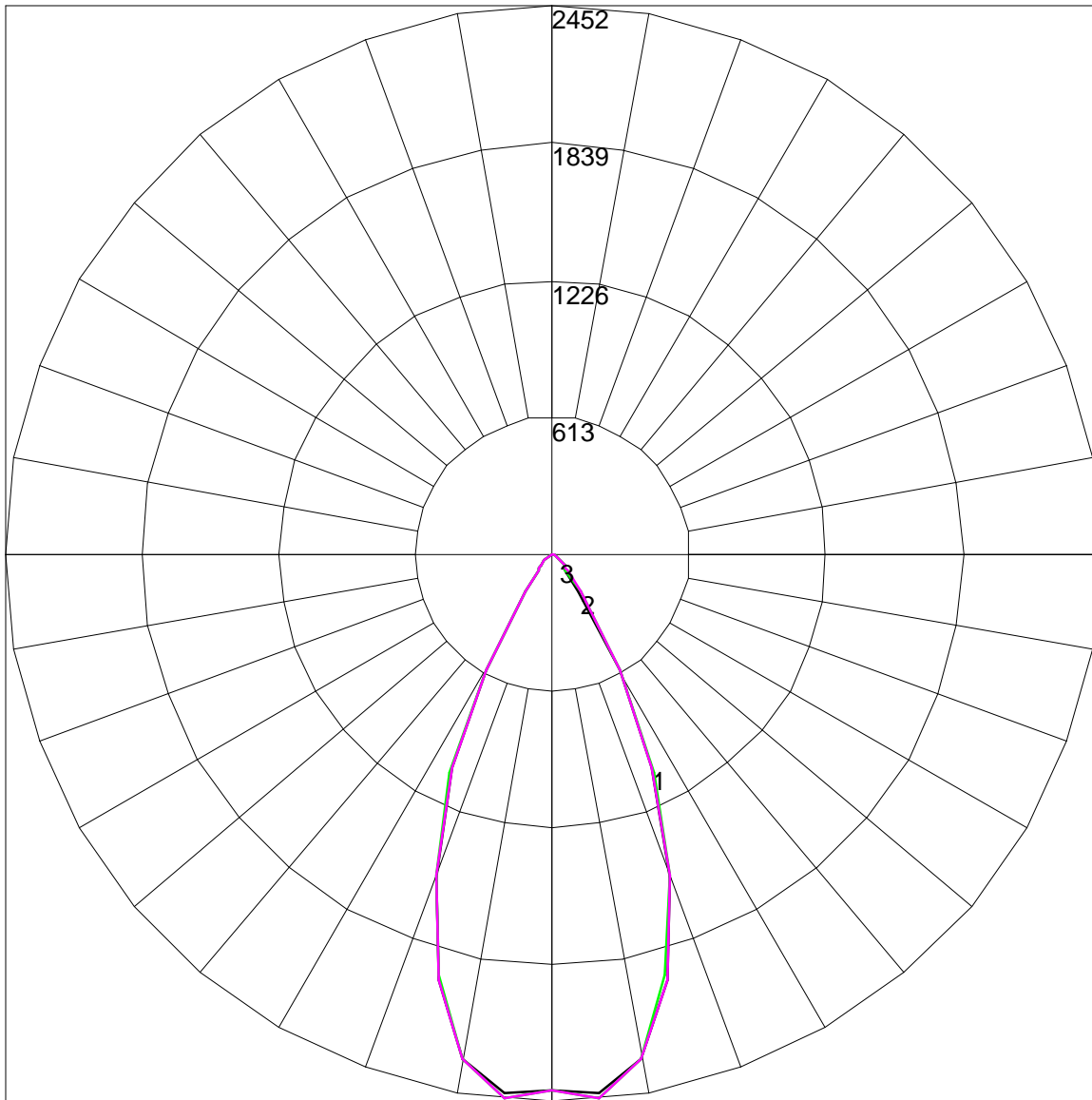
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	97	94	92	94	92	90	89
3	104	98	93	90	102	97	92	89	94	91	88	92	89	86	90	87	85	84
4	99	92	87	83	98	91	87	83	89	85	82	87	84	81	85	82	80	79
5	95	87	82	78	93	86	81	78	85	80	77	83	79	76	81	78	76	74
6	91	83	77	73	89	82	77	73	80	76	72	79	75	72	78	74	71	70
7	87	78	73	69	86	78	72	69	76	72	68	75	71	68	74	71	68	66
8	83	74	69	65	82	74	69	65	73	68	65	72	68	65	71	67	64	63
9	80	71	66	62	79	70	65	62	70	65	62	69	64	61	68	64	61	60
10	76	68	62	59	76	67	62	59	66	62	59	66	61	58	65	61	58	57

POLAR GRAPH



Maximum Candela = 2451.692 Located At Horizontal Angle = 45, 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)