

IES INDOOR REPORT**PHOTOMETRIC FILENAME : RDXX6XT-10LXXKMDE1-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-10L

[MANUFAC] Spectrum Lighting

[LUMCAT] RDxx6LEDXT-10L-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: 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	735
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	66
Total Luminaire Watts	11.1
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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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	1157.421	1157.421	1157.421	1157.421	1157.421
5	1168.586	1161.930	1182.941	1163.516	1180.762
10	1106.774	1094.995	1107.762	1115.233	1111.070
15	956.406	956.892	952.837	951.436	944.615
20	742.689	738.924	740.620	742.251	738.800
25	511.545	515.468	512.344	508.879	522.762
30	293.105	291.845	293.250	291.131	292.133
35	99.051	99.484	100.752	99.933	101.215
40	45.421	44.992	45.816	45.336	44.039
45	41.076	39.787	40.049	39.540	40.648
50	34.256	34.124	33.877	34.250	33.883
55	20.178	20.981	20.145	19.534	21.249
60	1.907	1.558	1.575	1.621	1.530
65	0.272	0.272	0.205	0.160	0.243
70	0.166	0.162	0.195	0.104	0.178
75	0.073	0.160	0.093	0.106	0.127
80	0.095	0.052	0.035	0.060	0.050
85	0.010	0.010	0.015	0.025	0.010
90	0.000	0.000	0.000	0.012	0.000

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	371.06	N.A.	50.50
0-30	604.55	N.A.	82.30
0-40	686.55	N.A.	93.40
0-60	734.23	N.A.	99.90
0-80	734.90	N.A.	100.00
0-90	734.92	N.A.	100.00
10-90	625.61	N.A.	85.10
20-40	315.50	N.A.	42.90
20-50	346.27	N.A.	47.10
40-70	48.23	N.A.	6.60
60-80	0.66	N.A.	0.10
70-80	0.12	N.A.	0.00
80-90	0.02	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	734.92	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	109.31
10-20	261.75
20-30	233.49
30-40	82.01
40-50	30.77
50-60	16.91
60-70	0.54
70-80	0.12
80-90	0.02
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

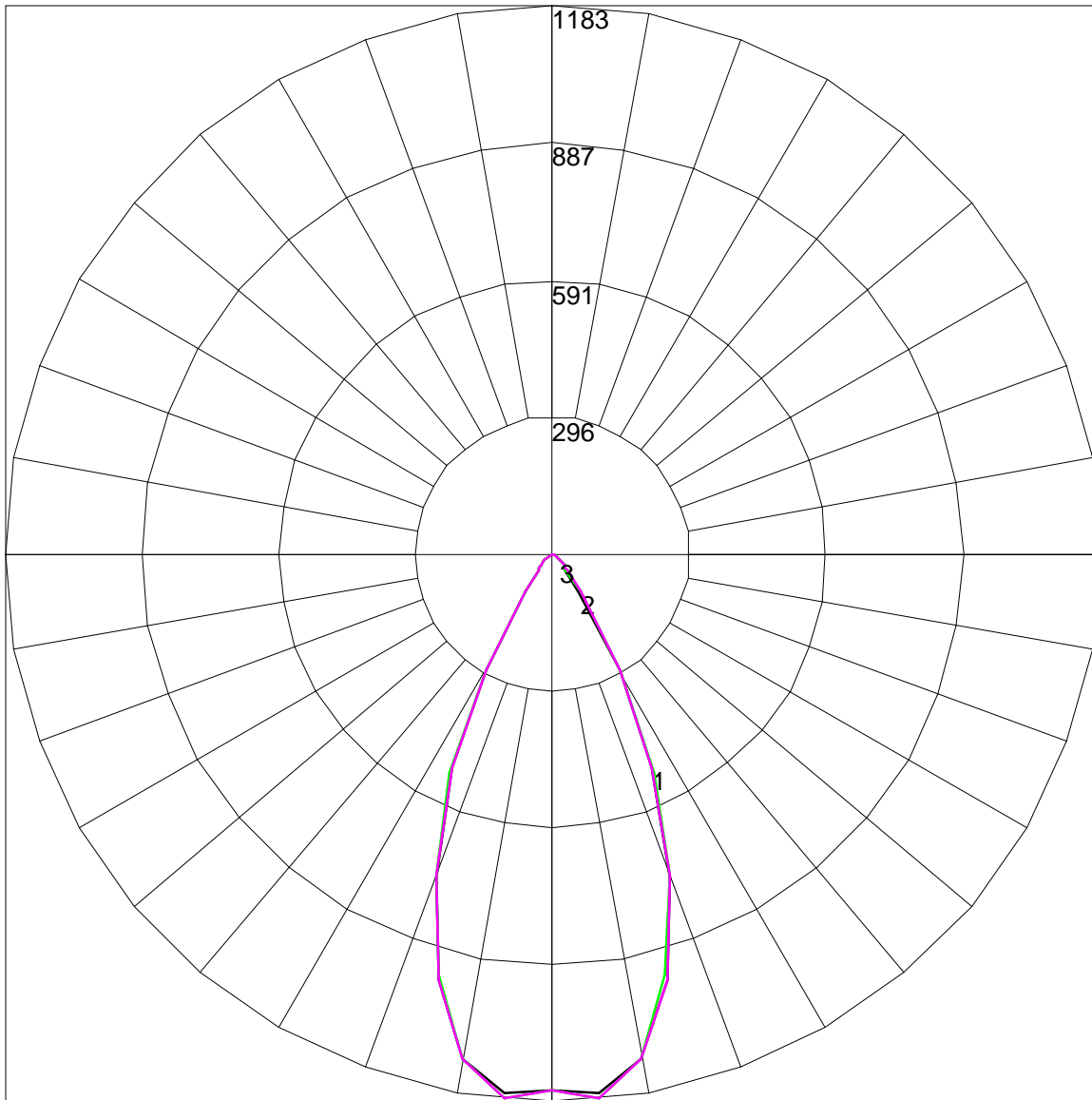
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	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	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	65	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 = 1182.941 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)