

IES INDOOR REPORT**PHOTOMETRIC FILENAME : RDXX4XT-10LXXKNDE1-RD4XSGGLX.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002

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

[ISSUE DATE]

[TEST DATE] Tue Sep 08 2015

[UPDATE] Wed Nov 4 2015

[TEST] SP-00480_4_M-10L

[MANUFAC] Spectrum Lighting

[LUMCAT] RDxx4LEDXT-10L-xxK-ND-E1-RD4x-SG-GLX

[LUMINAIRE] 4" aperture, Narrow Beam

[TRIM] Semi-diffuse, regressed clear glass Lens

[LAMP] N/A, Min. 83 CRI

[LAMPCAT] N/A

[OTHER] Total Luminaire Watts is approximate

[OTHER] For Housings: RDFI4, RDFO4, RDZI4, and RDZO4 series

[OTHER] For Trims: RD4F and RD4N series with GLX or GLW

[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	828
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	75
Total Luminaire Watts	11.1
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.46
Spacing Criterion (90-270)	0.46
Spacing Criterion (Diagonal)	0.46
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	3126.764	3126.764	3126.764	3126.764	3126.764
5	2988.951	2990.446	2997.691	3011.680	3012.512
10	2249.838	2263.325	2272.363	2263.850	2244.827
15	1261.018	1267.614	1270.614	1268.693	1277.000
20	557.382	564.554	566.079	565.164	565.256
25	332.350	332.224	331.831	333.811	334.602
30	179.774	179.330	179.152	180.878	180.140
35	30.606	31.718	31.608	30.149	30.895
40	9.150	8.824	9.086	8.311	7.971
45	5.429	4.742	4.759	3.982	4.092
50	3.783	3.240	3.003	2.980	2.802
55	2.993	2.397	2.216	2.573	2.648
60	1.496	1.554	1.561	1.841	1.862
65	0.924	1.181	1.305	1.347	1.517
70	0.174	0.322	0.301	0.627	1.017
75	0.116	0.430	0.338	1.785	2.411
80	0.062	1.727	1.094	2.308	2.663
85	0.050	0.139	0.293	0.301	0.332
90	0.010	0.027	0.143	0.185	0.164

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	622.00	N.A.	75.20
0-30	780.97	N.A.	94.40
0-40	818.66	N.A.	98.90
0-60	824.85	N.A.	99.70
0-80	827.06	N.A.	99.90
0-90	827.66	N.A.	100.00
10-90	566.18	N.A.	68.40
20-40	196.66	N.A.	23.80
20-50	200.66	N.A.	24.20
40-70	7.34	N.A.	0.90
60-80	2.21	N.A.	0.30
70-80	1.06	N.A.	0.10
80-90	0.60	N.A.	0.10
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	827.66	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	261.48
10-20	360.53
20-30	158.97
30-40	37.69
40-50	4.01
50-60	2.19
60-70	1.15
70-80	1.06
80-90	0.60
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

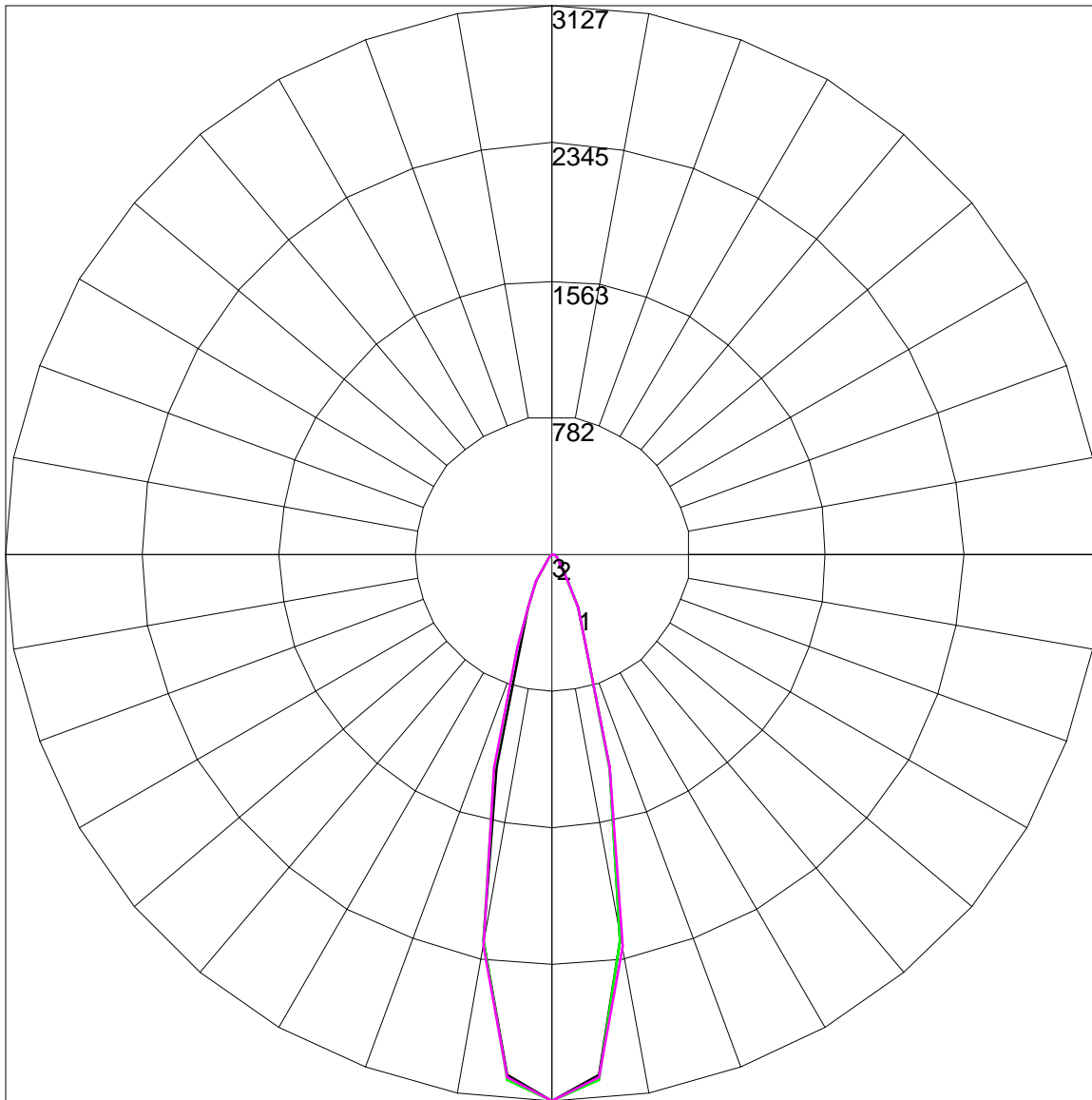
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	115	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	96
2	111	107	104	101	109	105	103	100	102	100	98	99	98	96	97	95	94	93
3	107	102	99	96	105	101	98	95	99	96	93	96	94	92	94	92	91	89
4	104	98	94	91	102	97	93	90	95	92	89	93	90	88	91	89	87	86
5	100	94	90	87	99	93	89	86	92	88	86	90	87	85	89	86	84	83
6	97	91	86	83	96	90	86	83	89	85	83	87	84	82	86	84	82	80
7	94	88	83	80	93	87	83	80	86	82	80	85	82	79	84	81	79	78
8	92	85	80	77	91	84	80	77	83	80	77	82	79	77	82	79	76	75
9	89	82	78	75	88	82	78	75	81	77	75	80	77	74	79	76	74	73
10	86	80	75	73	86	79	75	73	78	75	72	78	75	72	77	74	72	71

POLAR GRAPH



Maximum Candela = 3126.764 Located At Horizontal Angle = 0, Vertical Angle = 0

- # 1 - Vertical Plane Through Horizontal Angles (0 - 180)
- # 2 - Vertical Plane Through Horizontal Angles (90 - 270)
- # 3 - Vertical Plane Through Horizontal Angles (45 - 225)