

IES INDOOR REPORT**PHOTOMETRIC FILENAME : RDX4XT-20LXXKWDE1-RD4XSGSOX.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002

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

[ISSUEDATE]

[TESTDATE] Tue Jul 14 2015

[UPDATE] Thu Oct 22 2015

[TEST] SP-00480_1_M-20L

[MANUFAC] Spectrum Lighting

[LUMCAT] RDxx4LEDXT-20L-xxK-WD-E1-RD4x-SG-SOX

[LUMINAIRE] 4" 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: RDFI4, RDFO4, RDZI4, and RDZO4 series

[OTHER] For Trims: RD4F and RD4N 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	1414
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	60
Total Luminaire Watts	23.7
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.78
Spacing Criterion (90-270)	0.78
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

IES INDOOR REPORT
PHOTOMETRIC FILENAME : RDX4XT-20LXXKWDE1-RD4XSGSOX.IES

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

IES INDOOR REPORT
PHOTOMETRIC FILENAME : RDX4XT-20LXXKWDE1-RD4XSGSOX.IES

CANDELA TABULATION

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0	2200.172	2200.172	2200.172	2200.172	2200.172
5	2148.028	2158.812	2149.768	2147.144	2165.352
10	2053.240	2037.244	2062.544	2048.912	2047.308
15	1819.620	1811.904	1819.616	1816.620	1791.012
20	1423.396	1435.912	1438.080	1442.468	1431.564
25	953.240	959.328	961.220	958.904	954.924
30	522.320	527.128	527.512	528.664	525.124
35	235.072	235.512	236.044	236.160	232.164
40	116.212	116.320	115.972	114.956	115.232
45	74.584	73.828	73.708	73.736	73.060
50	50.524	48.440	48.172	48.876	49.120
55	31.676	31.036	30.660	30.784	30.840
60	19.464	20.128	19.492	19.956	20.100
65	9.672	9.604	10.440	10.540	10.136
70	1.016	1.344	1.516	2.316	3.408
75	0.732	1.156	1.284	5.960	7.720
80	0.780	3.800	3.304	6.224	7.116
85	0.300	1.252	1.944	2.236	2.272
90	0.056	0.588	1.328	1.404	1.608

IES INDOOR REPORT
PHOTOMETRIC FILENAME : RDX4XT-20LXXKWDE1-RD4XSGSOX.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	699.34	N.A.	49.50
0-30	1138.41	N.A.	80.50
0-40	1309.21	N.A.	92.60
0-60	1398.15	N.A.	98.90
0-80	1411.77	N.A.	99.80
0-90	1414.15	N.A.	100.00
10-90	1211.76	N.A.	85.70
20-40	609.87	N.A.	43.10
20-50	669.73	N.A.	47.40
40-70	99.26	N.A.	7.00
60-80	13.62	N.A.	1.00
70-80	3.31	N.A.	0.20
80-90	2.37	N.A.	0.20
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	1414.15	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	202.39
10-20	496.95
20-30	439.07
30-40	170.80
40-50	59.86
50-60	29.08
60-70	10.31
70-80	3.31
80-90	2.37
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

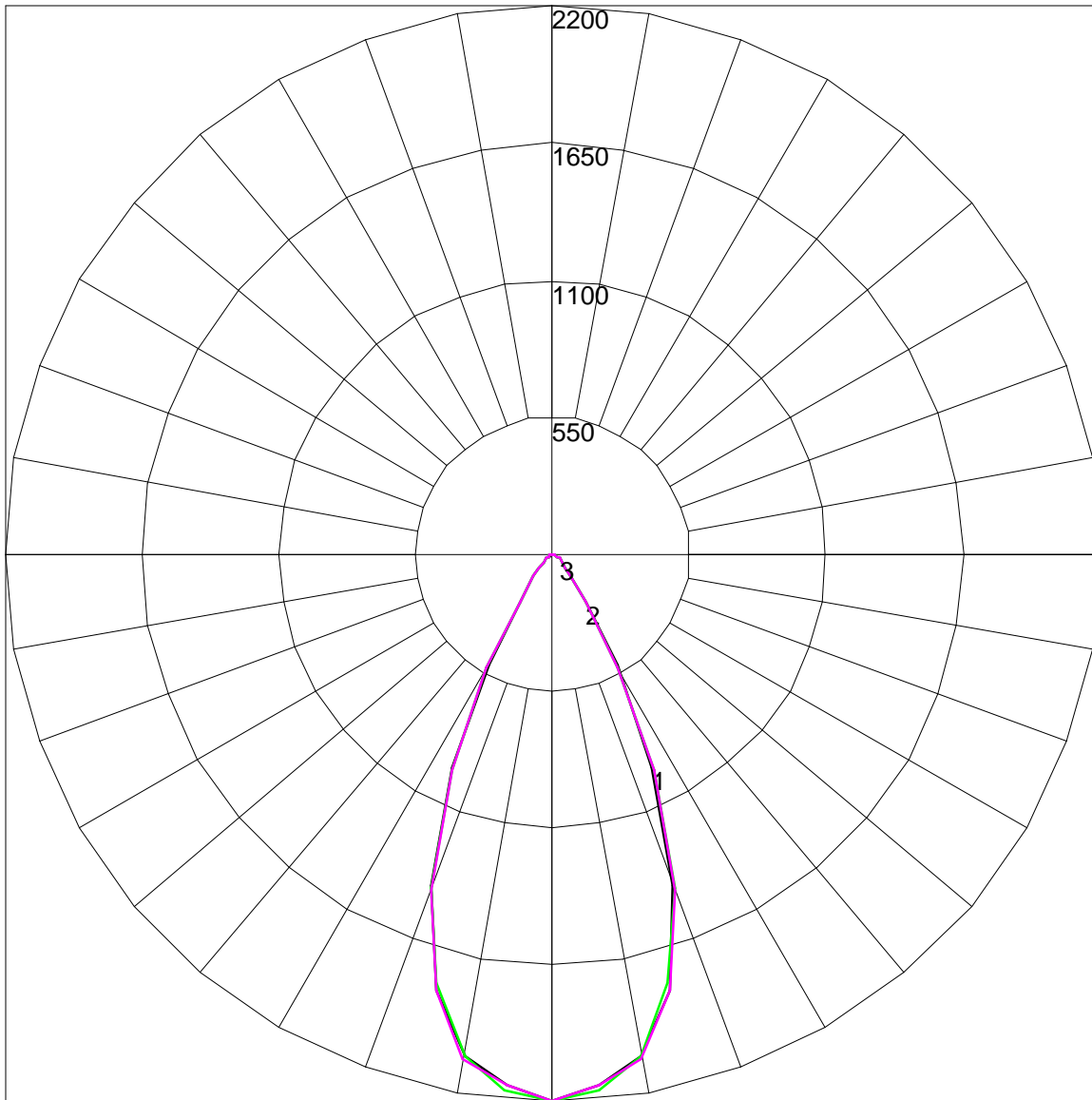
IES INDOOR REPORT
PHOTOMETRIC FILENAME : RDX4XT-20LXXKWDE1-RD4XSGSOX.IES

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	106	102	99	96	99	96	94	96	94	92	93	91	90	88
3	104	97	93	89	102	96	92	88	93	90	87	91	88	86	89	86	84	83
4	99	92	86	83	97	91	86	82	88	84	81	86	83	80	85	82	79	78
5	94	86	81	77	93	86	80	77	84	79	76	82	78	75	81	77	75	73
6	90	82	76	72	89	81	76	72	80	75	71	78	74	71	77	73	71	69
7	86	78	72	68	85	77	72	68	76	71	67	74	70	67	73	70	67	65
8	82	74	68	64	81	73	68	64	72	67	64	71	67	64	70	66	63	62
9	79	70	65	61	78	70	64	61	69	64	61	68	64	60	67	63	60	59
10	76	67	61	58	75	66	61	58	66	61	58	65	61	57	64	60	57	56

POLAR GRAPH



Maximum Candela = 2200.172 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)