

IES INDOOR REPORT
PHOTOMETRIC FILENAME : RDFO6LEDXT-13LXXKWDE1-RD6FMWSO-FACY4.IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

 [TESTLAB] Photopia 2015.1.1 see: www.ltioptics.com/ies

[ISSUE DATE]

[TEST DATE] Fri Jun 10 2016

[UPDATE] Wed Sep 28 2016

[TEST] SP-00476_26_M-13L

[MANUFAC] Spectrum Lighting

[LUMCAT] RDFO6LEDXT-13L-xxK-WD-E1-RD6F-MW-SO-FACY4

[LUMINAIRE] 6" aperture recessed LED downlight w/ 4"H Frosted Clear Acrylic Cylinder Element

[OTHER] Wide Beam upper reflector, regressed Solite lens, Matte White lower cone

[LAMP] N/A, Min. 83 CRI

[LAMPCAT] N/A

[OTHER] Total Luminaire Watts is approximate

[OTHER] LEDXT lumen output is the same for all available color temperatures

[OTHER] This report prepared by Spectrum Lighting, scaled from 50L

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	905
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	60
Total Luminaire Watts	15
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.72
Spacing Criterion (90-270)	0.72
Spacing Criterion (Diagonal)	0.66
Basic Luminous Shape	Circular w/ Sides
Luminous Length (0-180)	0.50 ft (Diameter)
Luminous Width (90-270)	0.50 ft (Diameter)
Luminous Height	0.33 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	3946	3927	3962
55	2939	2892	2795
65	2163	2125	2205
75	1736	1773	1703
85	1507	1496	1474

IES INDOOR REPORT**PHOTOMETRIC FILENAME : RDFO6LEDXT-13LXXKWDE1-RD6FMWSO-FACY4.IES****CANDELA TABULATION**

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0	1139.172	1139.172	1139.172	1139.172	1139.172
5	1162.655	1157.941	1141.101	1178.299	1151.121
10	1177.056	1168.658	1174.321	1164.441	1185.665
15	1056.697	1073.423	1064.913	1066.590	1061.133
20	627.372	633.129	633.404	630.466	638.375
25	353.392	353.829	352.768	355.768	355.722
30	217.022	212.482	216.546	218.410	217.285
35	153.590	151.572	150.285	152.498	149.646
40	117.484	114.036	114.837	114.972	116.524
45	94.195	94.869	93.735	96.437	94.580
50	80.759	81.045	81.481	82.303	82.248
55	68.102	66.825	66.999	67.735	64.763
60	55.409	55.866	56.659	54.909	55.962
65	47.065	46.426	46.238	47.375	47.996
70	40.674	40.071	39.957	41.272	39.980
75	34.195	34.822	34.926	34.515	33.540
80	29.011	29.796	29.632	29.554	28.870
85	25.659	25.046	25.472	24.916	25.106
90	20.472	22.706	22.836	22.844	24.045

IES INDOOR REPORT**PHOTOMETRIC FILENAME : RDFO6LEDXT-13LXXKWDE1-RD6FMWSO-FACY4.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	383.59	N.A.	42.40
0-30	559.26	N.A.	61.80
0-40	657.89	N.A.	72.70
0-60	793.13	N.A.	87.70
0-80	876.91	N.A.	96.90
0-90	904.87	N.A.	100.00
10-90	794.02	N.A.	87.70
20-40	274.30	N.A.	30.30
20-50	348.85	N.A.	38.60
40-70	182.30	N.A.	20.10
60-80	83.78	N.A.	9.30
70-80	36.72	N.A.	4.10
80-90	27.97	N.A.	3.10
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	904.87	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	110.85
10-20	272.74
20-30	175.67
30-40	98.64
40-50	74.55
50-60	60.69
60-70	47.06
70-80	36.72
80-90	27.97
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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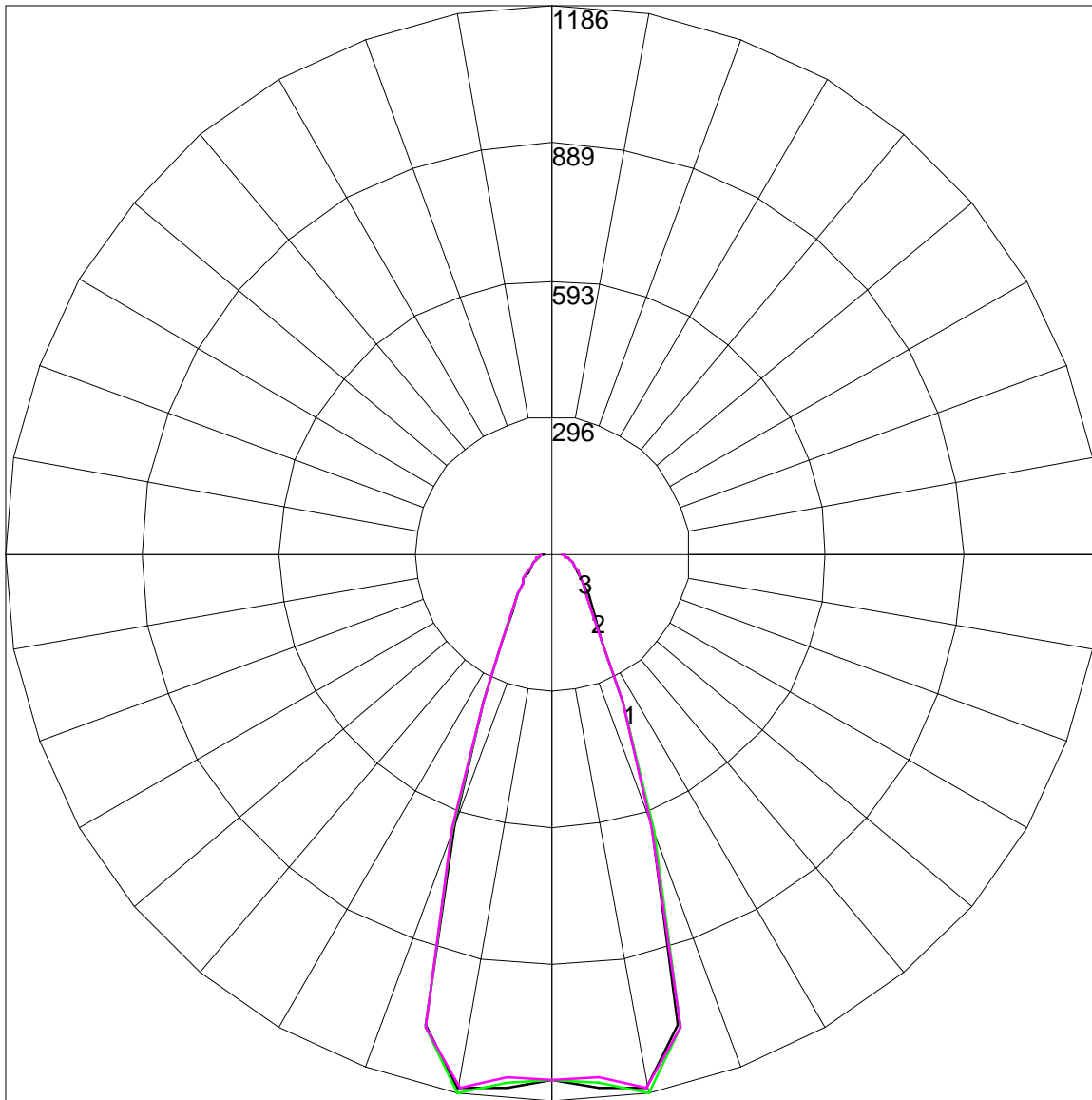
PHOTOMETRIC FILENAME : RDFS06LEDXT-13LXXKWDE1-RD6FMWSO-FACY4.IES

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	111	107	104	100	108	105	102	99	101	98	96	97	95	93	93	92	90	88
2	104	98	92	88	102	96	91	87	92	88	85	89	86	83	86	84	81	79
3	98	90	83	79	96	88	82	78	85	81	77	83	79	75	81	77	74	72
4	92	83	76	71	90	82	76	71	80	74	70	77	73	69	76	72	68	67
5	87	77	71	66	85	76	70	65	75	69	65	73	68	64	71	67	63	62
6	83	73	66	61	81	72	65	61	70	64	60	69	64	60	67	63	59	58
7	79	68	61	57	77	68	61	57	66	60	56	65	60	56	64	59	56	54
8	75	64	58	53	74	64	58	53	63	57	53	62	56	53	61	56	52	51
9	71	61	55	50	70	61	54	50	60	54	50	59	54	50	58	53	50	48
10	68	58	52	48	67	58	52	48	57	51	47	56	51	47	55	51	47	46

POLAR GRAPH



Maximum Candela = 1185.665 Located At Horizontal Angle = 90, 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)