

IES INDOOR REPORT
PHOTOMETRIC FILENAME : RDFO6LEDXT-13LXXKNDE1-RD6FMWSO-FACY4.IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

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

[ISSUEDATE]

[TESTDATE] Fri May 13 2016

[UPDATE] Mon Jan 9 2017

[TEST] SP-00476_24_M-13L

[MANUFAC] Spectrum Lighting

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

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

[OTHER] Narrow 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 report

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1065
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	71
Total Luminaire Watts	15
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.52
Spacing Criterion (90-270)	0.52
Spacing Criterion (Diagonal)	0.50
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	2420	2566	2533
55	1873	1816	1825
65	1428	1421	1398
75	1167	1198	1178
85	981	987	1004

IES INDOOR REPORT**PHOTOMETRIC FILENAME : RDFO6LEDXT-13LXXKNDE1-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	3037.671	3037.671	3037.671	3037.671	3037.671
5	2801.456	2816.252	2821.405	2826.234	2821.301
10	2331.503	2323.134	2324.751	2332.138	2295.491
15	1587.123	1609.322	1608.724	1603.623	1612.156
20	745.719	753.735	747.297	753.704	759.088
25	262.025	257.117	261.365	260.824	261.425
30	146.679	147.612	148.148	147.178	149.565
35	99.320	104.632	101.899	101.855	104.052
40	75.590	73.783	74.654	73.029	72.709
45	57.754	58.973	61.240	57.928	60.455
50	51.810	50.573	50.721	52.393	50.708
55	43.384	41.727	42.078	43.259	42.281
60	35.347	35.170	36.923	36.767	35.617
65	31.067	29.292	30.919	30.100	30.420
70	26.871	26.010	25.753	26.801	26.835
75	22.989	22.922	23.587	23.382	23.195
80	18.762	19.318	20.181	20.319	19.170
85	16.702	16.806	16.804	16.775	17.105
90	15.943	15.223	15.155	15.569	15.530

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Zone	Lumens	%Lamp	%Fixt
0-20	681.27	N.A.	64.00
0-30	839.05	N.A.	78.80
0-40	905.34	N.A.	85.00
0-60	990.88	N.A.	93.10
0-80	1045.8	N.A.	98.20
0-90	1064.55	N.A.	100.00
10-90	810.59	N.A.	76.10
20-40	224.07	N.A.	21.00
20-50	271.07	N.A.	25.50
40-70	116.00	N.A.	10.90
60-80	54.92	N.A.	5.20
70-80	24.45	N.A.	2.30
80-90	18.75	N.A.	1.80
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	1064.55	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	253.97
10-20	427.31
20-30	157.78
30-40	66.29
40-50	47.00
50-60	38.53
60-70	30.47
70-80	24.45
80-90	18.75
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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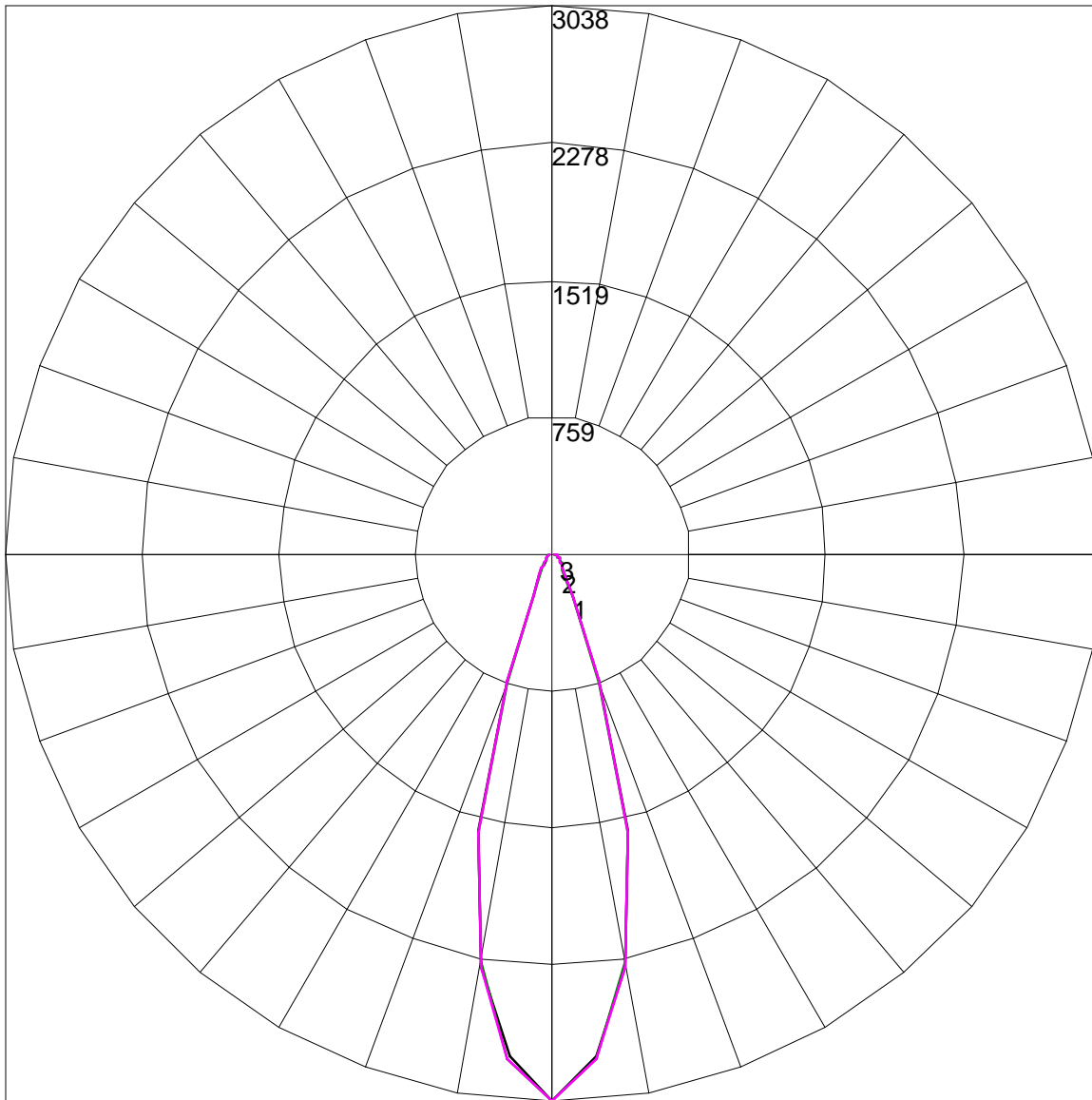
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	113	110	107	105	110	108	105	103	104	102	100	100	98	97	96	95	94	92
2	107	102	98	95	105	101	97	94	97	94	92	94	92	90	92	90	88	86
3	103	96	91	87	101	95	90	87	92	88	85	90	87	84	88	85	83	81
4	98	91	86	82	96	90	85	81	88	84	80	86	82	79	84	81	78	77
5	94	86	81	77	93	86	80	77	84	79	76	82	78	75	81	77	75	73
6	91	82	77	73	89	82	77	73	80	76	72	79	75	72	78	74	71	70
7	87	79	74	70	86	78	73	70	77	72	69	76	72	69	75	71	68	67
8	84	76	70	67	83	75	70	67	74	70	66	73	69	66	72	69	66	65
9	81	73	68	64	80	72	67	64	72	67	64	71	67	64	70	66	63	62
10	79	70	65	62	78	70	65	62	69	65	62	68	64	61	68	64	61	60

POLAR GRAPH



Maximum Candela = 3037.671 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)