

IES INDOOR REPORT
PHOTOMETRIC FILENAME : RDFO6LEDXT-13LXXKMDE1-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_25_M-13L

[MANUFAC] Spectrum Lighting

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

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

[OTHER] Medium 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	882
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	59
Total Luminaire Watts	15
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.64
Spacing Criterion (90-270)	0.64
Spacing Criterion (Diagonal)	0.62
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	3538	3527	3514
55	2584	2552	2508
65	1936	1953	1851
75	1570	1562	1474
85	1212	1276	1281

IES INDOOR REPORT**PHOTOMETRIC FILENAME : RDFO6LEDXT-13LXXKMDE1-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	1397.334	1397.334	1397.334	1397.334	1397.334
5	1341.769	1348.396	1355.546	1356.202	1385.899
10	1261.733	1251.630	1266.210	1255.319	1257.955
15	1010.305	1001.845	1009.031	1007.812	990.194
20	626.382	630.906	627.110	629.338	628.012
25	348.936	348.504	352.797	354.663	353.350
30	227.887	232.190	231.317	232.344	225.971
35	136.521	135.923	134.732	134.423	134.233
40	101.293	102.749	100.386	100.799	103.436
45	84.451	85.667	84.193	83.816	83.884
50	70.447	71.399	70.879	72.023	71.003
55	59.860	59.816	59.121	58.583	58.110
60	49.018	49.288	48.222	49.249	50.300
65	42.130	42.177	42.492	41.764	40.282
70	35.659	35.240	34.596	35.693	36.343
75	30.917	29.944	30.758	29.630	29.026
80	24.882	25.363	25.444	25.719	24.700
85	20.636	21.520	21.739	22.038	21.809
90	19.263	19.170	18.881	18.972	18.507

IES INDOOR REPORT**PHOTOMETRIC FILENAME : RDFS06LEDXT-13LXXKMDE1-RD6FMWSO-FACY4.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	395.29	N.A.	44.80
0-30	571.83	N.A.	64.80
0-40	665.18	N.A.	75.40
0-60	784.46	N.A.	88.90
0-80	858.09	N.A.	97.30
0-90	881.97	N.A.	100.00
10-90	755.54	N.A.	85.70
20-40	269.90	N.A.	30.60
20-50	335.81	N.A.	38.10
40-70	160.97	N.A.	18.30
60-80	73.63	N.A.	8.30
70-80	31.93	N.A.	3.60
80-90	23.88	N.A.	2.70
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	881.97	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	126.44
10-20	268.85
20-30	176.54
30-40	93.36
40-50	65.91
50-60	53.37
60-70	41.70
70-80	31.93
80-90	23.88
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

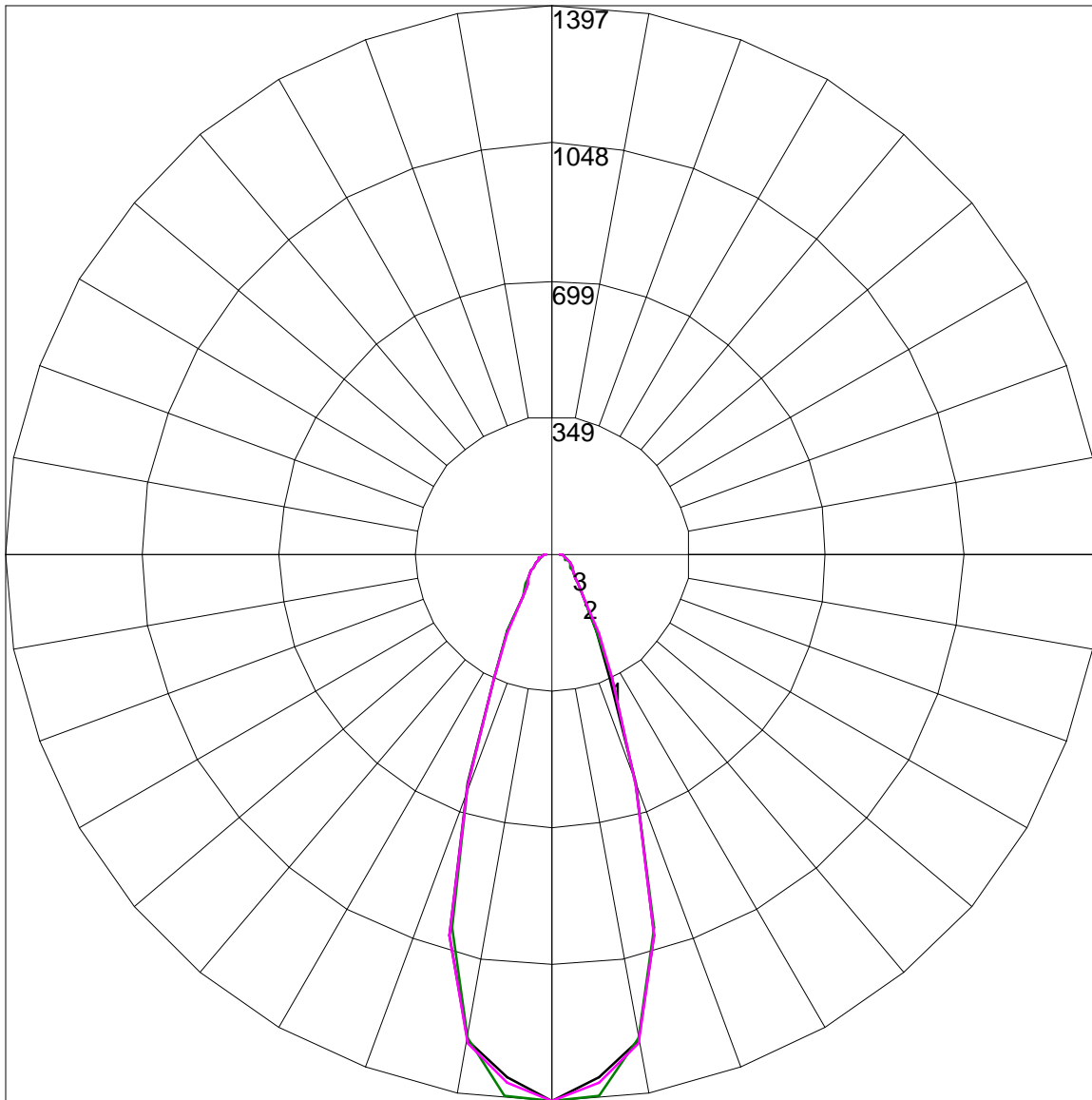
Effective Floor Cavity Reflectance 0.20

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	111	108	104	101	109	105	102	100	101	99	97	97	96	94	94	92	91	89
2	105	99	94	89	102	97	92	88	93	90	86	90	87	84	87	85	83	81
3	99	91	85	80	97	90	84	80	87	82	78	84	80	77	82	79	76	74
4	93	85	78	73	91	83	77	73	81	76	72	79	75	71	77	73	70	69
5	88	79	72	68	87	78	72	67	76	71	67	74	70	66	73	69	65	64
6	84	74	68	63	83	73	67	63	72	66	62	70	66	62	69	65	61	60
7	80	70	64	59	79	69	63	59	68	63	59	67	62	58	66	61	58	56
8	76	66	60	56	75	66	60	55	65	59	55	64	59	55	63	58	55	53
9	73	63	57	53	72	63	57	53	62	56	52	61	56	52	60	55	52	51
10	70	60	54	50	69	60	54	50	59	53	50	58	53	50	57	53	50	48

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POLAR GRAPH



Maximum Candela = 1397.334 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)