

IES INDOOR REPORT
PHOTOMETRIC FILENAME : RDFO4LEDXT-40LXXKXWE1-RD4FMWSO-FACY4.IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

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

[ISSUEDATE]

[TESTDATE] Fri Jun 10 2016

[UPDATE] Tue Jan 10 2017

[TEST] SP-00480_16

[MANUFAC] Spectrum Lighting

[LUMCAT] RDFO4LEDXT-40L-xxK-XW-E1-RD4F-MW-SO-FACY4

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

[OTHER] Xtra 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

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2341
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	59
Total Luminaire Watts	39.9
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.60
Spacing Criterion (90-270)	0.60
Spacing Criterion (Diagonal)	0.60
Basic Luminous Shape	Circular w/ Sides
Luminous Length (0-180)	0.33 ft (Diameter)
Luminous Width (90-270)	0.33 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	19844	20188	20376
55	15723	15651	15770
65	12070	12225	12295
75	9414	9607	9599
85	7244	7349	7281

IES INDOOR REPORT**PHOTOMETRIC FILENAME : RDFO4LEDXT-40LXXKXWE1-RD4FMWSO-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	3491.63	3491.63	3491.63	3491.63	3491.63
5	3417.79	3349.65	3350.19	3392.10	3361.94
10	3105.39	3122.24	3094.33	3115.84	3094.54
15	2263.09	2249.43	2245.66	2262.60	2247.00
20	1421.77	1438.47	1429.03	1432.76	1435.54
25	814.22	812.94	804.36	815.38	804.10
30	511.09	506.88	515.99	512.68	521.96
35	387.19	381.61	379.06	378.97	376.87
40	308.88	310.54	309.56	306.91	306.98
45	258.48	263.15	262.95	263.95	265.40
50	232.57	234.11	233.52	231.16	230.01
55	205.98	202.76	205.04	205.46	206.60
60	178.43	179.12	180.00	179.01	178.13
65	154.22	157.03	156.21	155.37	157.10
70	134.08	134.15	132.91	134.48	134.17
75	113.59	116.15	115.92	114.86	115.82
80	98.30	95.54	96.28	96.21	95.43
85	79.60	79.92	80.75	79.57	80.01
90	67.99	71.30	72.03	70.52	70.35

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Zone	Lumens	%Lamp	%Fixt
0-20	935.55	N.A.	40.00
0-30	1338.25	N.A.	57.20
0-40	1584.8	N.A.	67.70
0-60	1974.65	N.A.	84.40
0-80	2251.35	N.A.	96.20
0-90	2340.52	N.A.	100.00
10-90	2026.73	N.A.	86.60
20-40	649.25	N.A.	27.70
20-50	855.24	N.A.	36.50
40-70	544.76	N.A.	23.30
60-80	276.70	N.A.	11.80
70-80	121.80	N.A.	5.20
80-90	89.17	N.A.	3.80
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	2340.52	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	313.79
10-20	621.76
20-30	402.70
30-40	246.54
40-50	205.99
50-60	183.87
60-70	154.91
70-80	121.80
80-90	89.17
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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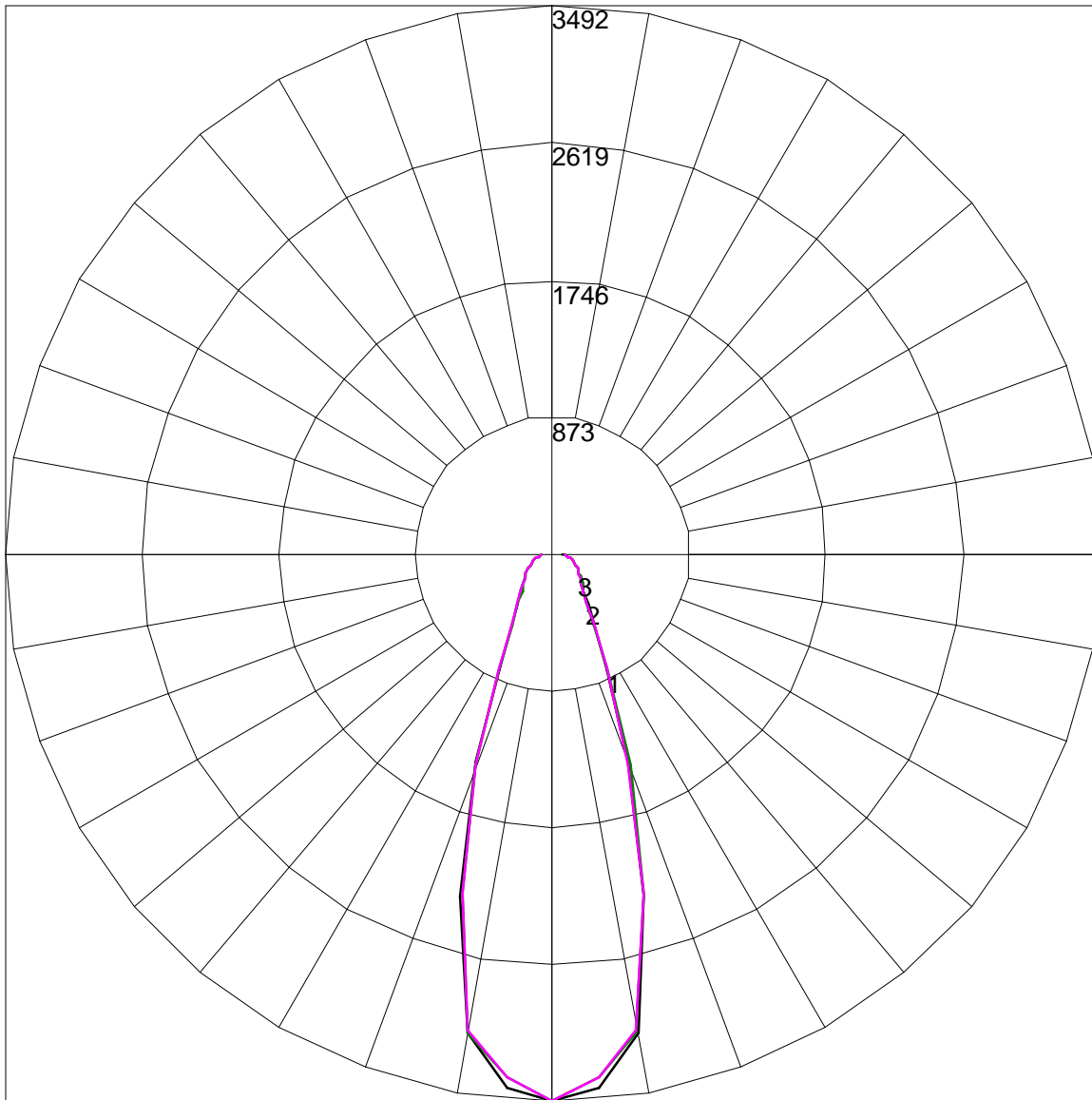
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	110	106	102	99	108	104	100	97	100	97	94	96	93	91	92	90	89	87
2	103	96	90	86	100	94	89	85	91	86	83	88	84	81	85	82	79	77
3	96	88	81	76	94	86	80	75	83	78	74	81	76	73	78	75	72	70
4	91	81	74	69	88	80	73	68	77	72	67	75	70	66	73	69	66	64
5	85	75	68	63	84	74	67	62	72	66	62	70	65	61	69	64	61	59
6	81	70	63	58	79	69	63	58	68	62	57	66	61	57	65	60	57	55
7	77	66	59	54	75	65	59	54	64	58	54	63	57	53	61	57	53	51
8	73	62	56	51	72	62	55	51	61	55	50	59	54	50	58	54	50	48
9	70	59	52	48	69	58	52	48	57	52	48	57	51	48	56	51	47	46
10	67	56	50	45	66	56	50	45	55	49	45	54	49	45	53	48	45	44

POLAR GRAPH



Maximum Candela = 3491.63 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)