

IES INDOOR REPORT
PHOTOMETRIC FILENAME : RDFO6LEDXT-20LXXKMDE1-RD6FMWSO-FACY2.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] Tue Jun 14 2016

[TEST] SP-00476_23_M-20L

[MANUFAC] Spectrum Lighting

[LUMCAT] RDFO6LEDXT-20L-xxK-MD-E1-RD6F-MW-SO-FACY2

[LUMINAIRE] 6" aperture recessed LED downlight w/ 2"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	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)	0.72
Spacing Criterion (90-270)	0.72
Spacing Criterion (Diagonal)	0.68
Basic Luminous Shape	Circular w/ Sides
Luminous Length (0-180)	0.50 ft (Diameter)
Luminous Width (90-270)	0.50 ft (Diameter)
Luminous Height	0.17 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	6051	6087	6026
55	4563	4549	4515
65	3614	3357	3597
75	2725	2694	2797
85	2160	2208	2235

IES INDOOR REPORT**PHOTOMETRIC FILENAME : RDFO6LEDXT-20LXXKMDE1-RD6FMWSO-FACY2.IES****CANDELA TABULATION**

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0	2141.364	2141.364	2141.364	2141.364	2141.364
5	2099.360	2069.164	2040.648	2100.416	2077.464
10	1946.756	1932.640	1929.920	1938.224	1923.136
15	1635.576	1632.476	1646.536	1635.380	1628.524
20	1226.132	1233.256	1221.596	1228.936	1230.912
25	757.248	762.252	757.920	757.252	743.428
30	371.324	369.988	370.408	373.996	375.348
35	236.228	233.916	227.712	233.544	234.296
40	148.784	152.608	152.136	155.356	151.488
45	111.284	109.792	111.944	110.920	110.828
50	95.720	92.324	90.976	91.732	90.316
55	76.744	76.012	76.512	76.472	75.936
60	63.216	63.516	62.648	62.664	58.216
65	53.268	51.668	49.476	50.584	53.024
70	41.872	41.792	41.304	41.304	40.652
75	33.280	32.060	32.892	31.600	34.148
80	25.772	26.196	26.004	26.512	26.944
85	20.108	22.020	20.556	21.340	20.808
90	17.700	18.560	18.960	17.792	19.188

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Zone	Lumens	%Lamp	%Fixt
0-20	641.69	N.A.	45.40
0-30	992.75	N.A.	70.20
0-40	1146.03	N.A.	81.00
0-60	1304.49	N.A.	92.20
0-80	1390.65	N.A.	98.30
0-90	1414.34	N.A.	100.00
10-90	1220.54	N.A.	86.30
20-40	504.34	N.A.	35.70
20-50	594.13	N.A.	42.00
40-70	209.54	N.A.	14.80
60-80	86.15	N.A.	6.10
70-80	35.08	N.A.	2.50
80-90	23.69	N.A.	1.70
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	1414.34	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	193.80
10-20	447.89
20-30	351.05
30-40	153.29
40-50	89.79
50-60	68.67
60-70	51.07
70-80	35.08
80-90	23.69
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

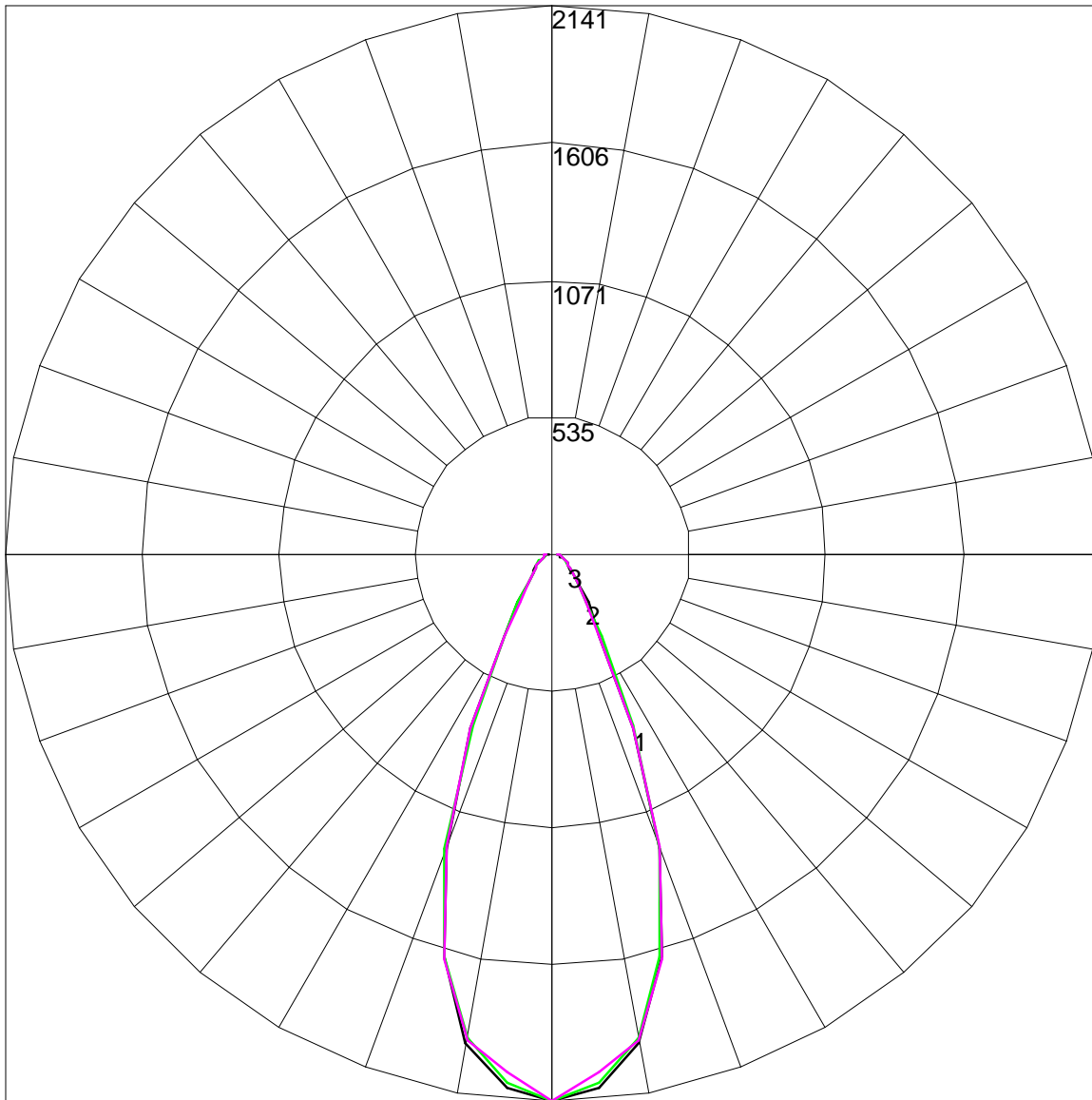
Effective Floor Cavity Reflectance 0.20

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	112	109	106	103	110	107	104	102	103	100	98	99	97	95	95	94	93	91
2	106	100	96	92	104	99	94	91	95	92	89	92	89	87	89	87	85	83
3	100	93	87	83	98	92	87	82	89	85	81	86	83	80	84	81	79	77
4	95	87	81	76	93	86	80	76	83	79	75	81	77	74	79	76	73	71
5	90	81	75	71	89	80	75	70	79	73	70	77	72	69	75	71	68	67
6	86	77	70	66	84	76	70	66	74	69	65	73	68	65	71	67	64	63
7	82	72	66	62	81	72	66	62	70	65	61	69	64	61	68	64	61	59
8	78	68	62	58	77	68	62	58	67	62	58	66	61	58	65	60	57	56
9	75	65	59	55	74	65	59	55	64	58	55	63	58	55	62	58	54	53
10	72	62	56	52	71	62	56	52	61	56	52	60	55	52	59	55	52	50

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PHOTOMETRIC FILENAME : RDF06LEDXT-20LXXKMDE1-RD6FMWSO-FACY2.IES

POLAR GRAPH



Maximum Candela = 2141.364 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)