

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP-00545_43 ~ SR3DMX-XT10LE1-RDD3X-XXK-MDMWSO.IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] SP-00545_43_M-10L
 [TESTLAB] VLS-245-981
 [MANUFAC] Spectrum Lighting
 [ISSUEDATE] 2/15/2017
 [UPDATE] 4/26/2017
 [LUMCAT] SR3DMx-XT10L-E1-RDD3x-xxK-MD-MW-SO
 [LUMINAIRE] Nom. 3" Round Downlight, Deep profile, Medium Beam
 [OTHER] Matte White Trim, Solite Lens
 [OTHER] 45.6 Degree Beam Angle
 [LAMP] N/A, 19mm
 [LAMPCAT] N/A, Min. 83 CRI
 [OTHER] Total Luminaire Watts is approximate
 [OTHER] For New Construction Non-IC Housing: SR3DMO-XT-series
 [OTHER] For New Construction IC Rated Housing: SR3DMI-XT-Series
 [OTHER] For Remodel/Retrofit Housing: SR3DMR-XT-Series
 [OTHER] For RDD3F or RDD3N Downlight Trim
 [OTHER] LEDXT lumen output is the same for all available CCT's
 [OTHER] This report prepared by Spectrum Lighting, scaled from 20L

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	895
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	81
Total Luminaire Watts	11.1
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.68
Spacing Criterion (90-270)	0.68
Spacing Criterion (Diagonal)	0.76
Basic Luminous Shape	Circular
Luminous Length (0-180)	0.00 ft
Luminous Width (90-270)	0.29 ft (Diameter)
Luminous Height	0.00 ft

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00545_43 ~ SR3DMX-XT10LE1-RDD3X-XXK-MDMWSO.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	5021	6529	5021
55	3795	4410	3795
65	2572	3392	2572
75	1218	1681	1218
85	1697	1651	1697

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00545_43 ~ SR3DMX-XT10LE1-RDD3X-XXK-MDMWSO.IES****CANDELA TABULATION**

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0	1567.468	1567.468	1567.468	1567.468	1567.468
5	1480.457	1512.985	1544.684	1512.985	1480.457
10	1300.390	1359.261	1409.960	1359.261	1300.390
15	1090.496	1157.907	1212.793	1157.907	1090.496
20	849.983	930.795	991.428	930.795	849.983
25	567.725	656.672	732.046	656.672	567.725
30	268.086	348.937	422.967	348.937	268.086
35	82.454	122.605	160.738	122.605	82.454
40	33.992	42.761	54.090	42.761	33.992
45	22.110	25.200	28.750	25.200	22.110
50	16.958	18.242	20.894	18.242	16.958
55	13.555	14.759	15.753	14.759	13.555
60	10.017	11.769	12.655	11.769	10.017
65	6.769	7.355	8.928	7.355	6.769
70	3.425	4.396	5.470	4.396	3.425
75	1.963	2.508	2.709	2.508	1.963
80	1.427	1.775	1.173	1.775	1.427
85	0.921	0.933	0.896	0.933	0.921
90	0.000	0.000	0.000	0.000	0.000

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Zone	Lumens	%Lamp	%Fixt
0-20	459.97	N.A.	51.40
0-30	752.19	N.A.	84.00
0-40	848.92	N.A.	94.80
0-60	883.82	N.A.	98.70
0-80	894.37	N.A.	99.90
0-90	895.29	N.A.	100.00
10-90	755.80	N.A.	84.40
20-40	388.95	N.A.	43.40
20-50	410.55	N.A.	45.90
40-70	42.60	N.A.	4.80
60-80	10.55	N.A.	1.20
70-80	2.85	N.A.	0.30
80-90	0.92	N.A.	0.10
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	895.29	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	139.49
10-20	320.47
20-30	292.23
30-40	96.73
40-50	21.59
50-60	13.31
60-70	7.70
70-80	2.85
80-90	0.92
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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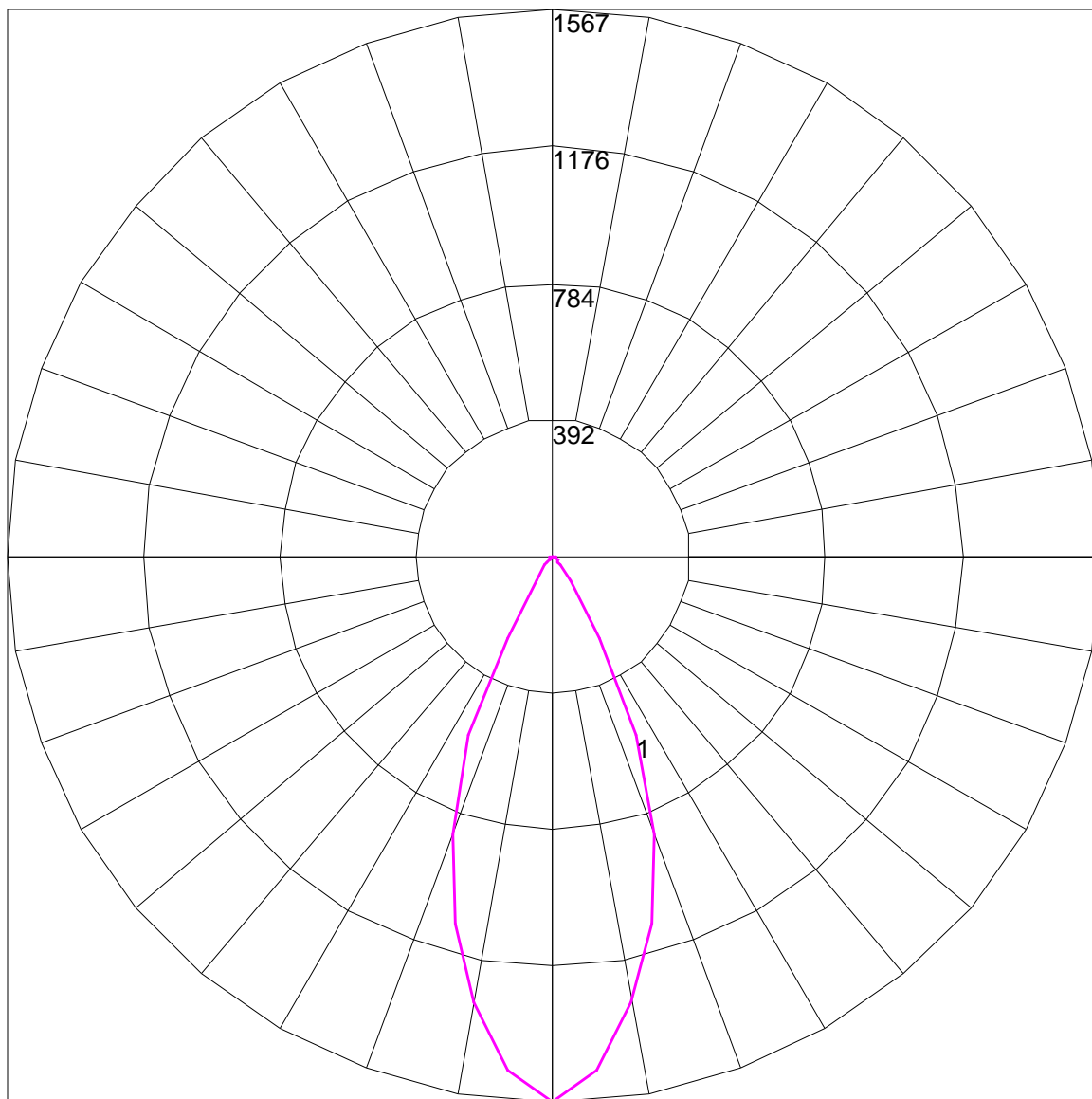
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	114	111	109	107	111	109	107	105	105	103	102	101	100	99	98	97	96	94
2	109	104	101	97	107	103	99	96	99	97	94	96	94	92	94	92	90	89
3	104	98	94	90	102	97	93	89	94	91	88	92	89	86	90	87	85	84
4	99	93	88	84	98	91	87	83	89	85	82	87	84	81	86	83	80	79
5	95	88	82	78	94	87	82	78	85	81	77	83	80	77	82	79	76	75
6	91	83	78	74	90	82	77	73	81	76	73	79	75	72	78	75	72	71
7	87	79	73	70	86	78	73	69	77	72	69	76	72	69	75	71	68	67
8	84	75	70	66	83	75	69	66	73	69	66	73	68	65	72	68	65	64
9	80	72	66	63	79	71	66	63	70	66	62	69	65	62	69	65	62	61
10	77	68	63	60	76	68	63	60	67	63	59	66	62	59	66	62	59	58

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POLAR GRAPH



Maximum Candela = 1567.468 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)