

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP-00545_44 ~ SR3DMX-XT10LE1-RDD3X-XXK-MDMWGL.IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] SP-00545_44_M-10L
 [TESTLAB] VLS-245-981
 [MANUFAC] Spectrum Lighting
 [ISSUEDATE] 2/14/2017
 [UPDATE] 4/27/2017
 [LUMCAT] SR3DMx-XT10L-E1-RDD3x-xxK-MD-MW-GL
 [LUMINAIRE] Nominal 3" Round Downlight, Deep profile, Medium Beam
 [OTHER] Matte White Trim, clear glass lens
 [OTHER] 46 Degree Beam Angle
 [LAMP] N/A
 [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	954
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	86
Total Luminaire Watts	11.1
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.72
Spacing Criterion (90-270)	0.72
Spacing Criterion (Diagonal)	0.78
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_44 ~ SR3DMX-XT10LE1-RDD3X-XXK-MDMWGL.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	4124	4870	4124
55	2803	3664	2803
65	2478	3067	2478
75	1120	1229	1120
85	1725	1494	1725

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00545_44 ~ SR3DMX-XT10LE1-RDD3X-XXK-MDMWGL.IES****CANDELA TABULATION**

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0	1620.562	1620.562	1620.562	1620.562	1620.562
5	1542.894	1569.980	1591.320	1569.980	1542.894
10	1365.572	1430.178	1476.295	1430.178	1365.572
15	1147.276	1207.380	1248.109	1207.380	1147.276
20	940.534	1007.084	1048.088	1007.084	940.534
25	659.962	745.317	806.723	745.317	659.962
30	329.652	426.043	494.892	426.043	329.652
35	76.364	119.393	161.358	119.393	76.364
40	26.722	31.572	35.004	31.572	26.722
45	18.160	20.383	21.445	20.383	18.160
50	13.246	15.229	15.909	15.229	13.246
55	10.013	11.805	13.087	11.805	10.013
60	7.933	8.590	9.580	8.590	7.933
65	6.521	7.860	8.072	7.860	6.521
70	3.734	5.279	5.483	5.279	3.734
75	1.805	2.286	1.980	2.286	1.805
80	0.988	1.174	1.024	1.174	0.988
85	0.936	0.869	0.811	0.869	0.936
90	0.000	0.000	0.000	0.000	0.000

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00545_44 ~ SR3DMX-XT10LE1-RDD3X-XXK-MDMWGL.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	482.71	N.A.	50.60
0-30	811.81	N.A.	85.10
0-40	916.16	N.A.	96.10
0-60	943.22	N.A.	98.90
0-80	953.03	N.A.	99.90
0-90	953.80	N.A.	100.00
10-90	808.57	N.A.	84.80
20-40	433.45	N.A.	45.40
20-50	450.03	N.A.	47.20
40-70	34.18	N.A.	3.60
60-80	9.81	N.A.	1.00
70-80	2.69	N.A.	0.30
80-90	0.77	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	953.80	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	145.23
10-20	337.47
20-30	329.10
30-40	104.35
40-50	16.57
50-60	10.48
60-70	7.12
70-80	2.69
80-90	0.77
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

IES INDOOR REPORT

PHOTOMETRIC FILENAME : SP-00545_44 ~ SR3DMX-XT10LE1-RDD3X-XXK-MDMWGL.IES

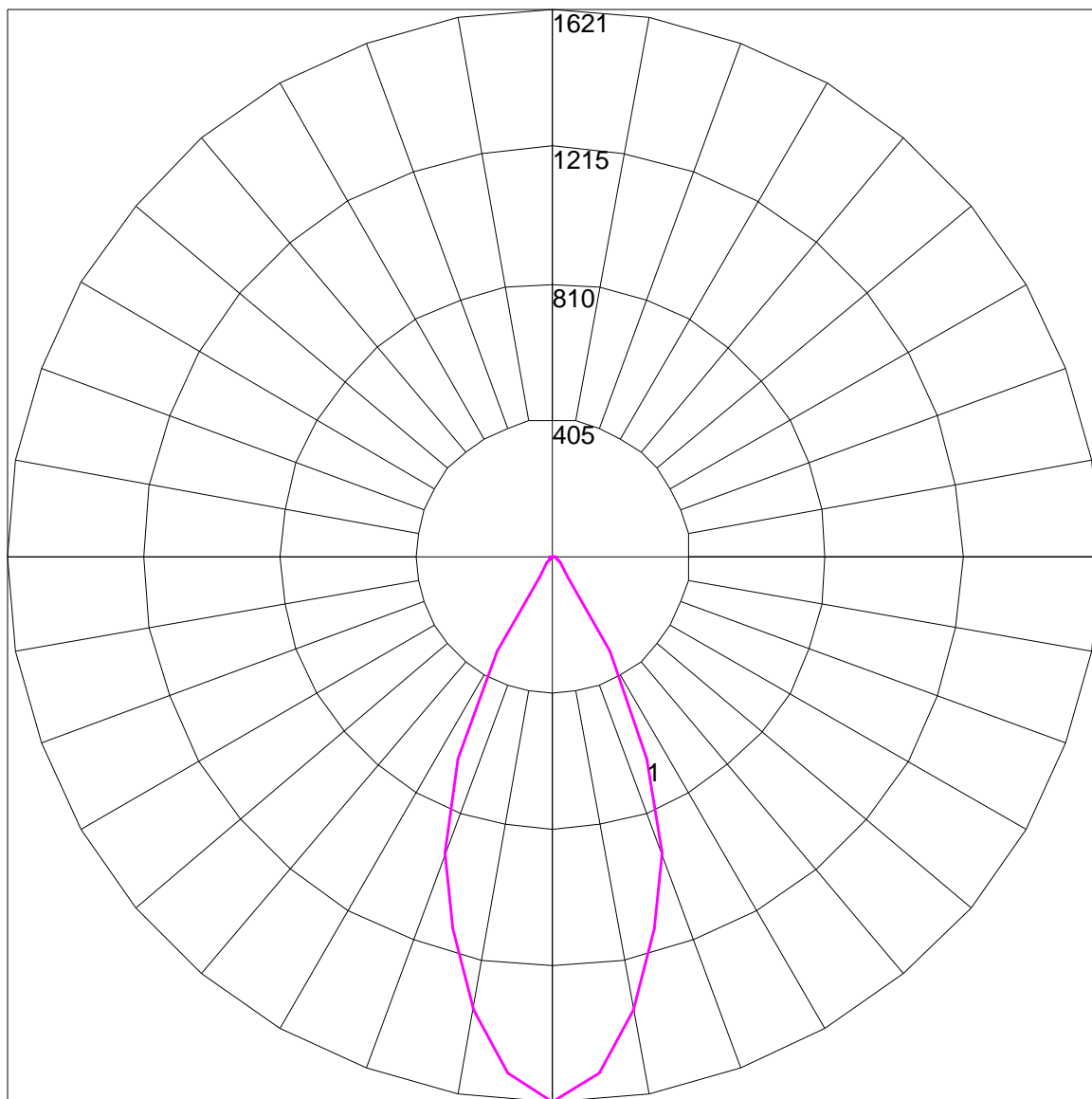
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP-00545_44 ~ SR3DMX-XT10LE1-RDD3X-XXK-MDMWGL.IES

POLAR GRAPH



Maximum Candela = 1620.562 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)