

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP-00545_43 ~ SR3DMX-XT13LE1-RDD3X-XXK-MDMWSO.IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] SP-00545_43_M-13L
 [TESTLAB] VLS-245-981
 [MANUFAC] Spectrum Lighting
 [ISSUEDATE] 2/15/2017
 [UPDATE] 4/26/2017
 [LUMCAT] SR3DMx-XT13L-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	1206
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	80
Total Luminaire Watts	15
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-XT13LE1-RDD3X-XXK-MDMWSO.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	6764	8796	6764
55	5113	5941	5113
65	3465	4570	3465
75	1641	2264	1641
85	2285	2226	2285

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00545_43 ~ SR3DMX-XT13LE1-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	2111.615	2111.615	2111.615	2111.615	2111.615
5	1994.398	2038.218	2080.921	2038.218	1994.398
10	1751.821	1831.129	1899.428	1831.129	1751.821
15	1469.062	1559.875	1633.814	1559.875	1469.062
20	1145.055	1253.920	1335.603	1253.920	1145.055
25	764.811	884.636	986.176	884.636	764.811
30	361.152	470.071	569.800	470.071	361.152
35	111.078	165.167	216.538	165.167	111.078
40	45.792	57.605	72.867	57.605	45.792
45	29.785	33.948	38.730	33.948	29.785
50	22.846	24.575	28.147	24.575	22.846
55	18.261	19.883	21.221	19.883	18.261
60	13.494	15.854	17.049	15.854	13.494
65	9.118	9.909	12.027	9.909	9.118
70	4.614	5.921	7.368	5.921	4.614
75	2.645	3.378	3.649	3.378	2.645
80	1.923	2.391	1.580	2.391	1.923
85	1.240	1.256	1.208	1.256	1.240
90	0.000	0.000	0.000	0.000	0.000

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00545_43 ~ SR3DMX-XT13LE1-RDD3X-XXK-MDMWSO.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	619.64	N.A.	51.40
0-30	1013.32	N.A.	84.00
0-40	1143.62	N.A.	94.80
0-60	1190.64	N.A.	98.70
0-80	1204.85	N.A.	99.90
0-90	1206.09	N.A.	100.00
10-90	1018.17	N.A.	84.40
20-40	523.98	N.A.	43.40
20-50	553.07	N.A.	45.90
40-70	57.39	N.A.	4.80
60-80	14.21	N.A.	1.20
70-80	3.84	N.A.	0.30
80-90	1.24	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	1206.09	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	187.92
10-20	431.73
20-30	393.67
30-40	130.30
40-50	29.09
50-60	17.93
60-70	10.37
70-80	3.84
80-90	1.24
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_43 ~ SR3DMX-XT13LE1-RDD3X-XXK-MDMWSO.IES

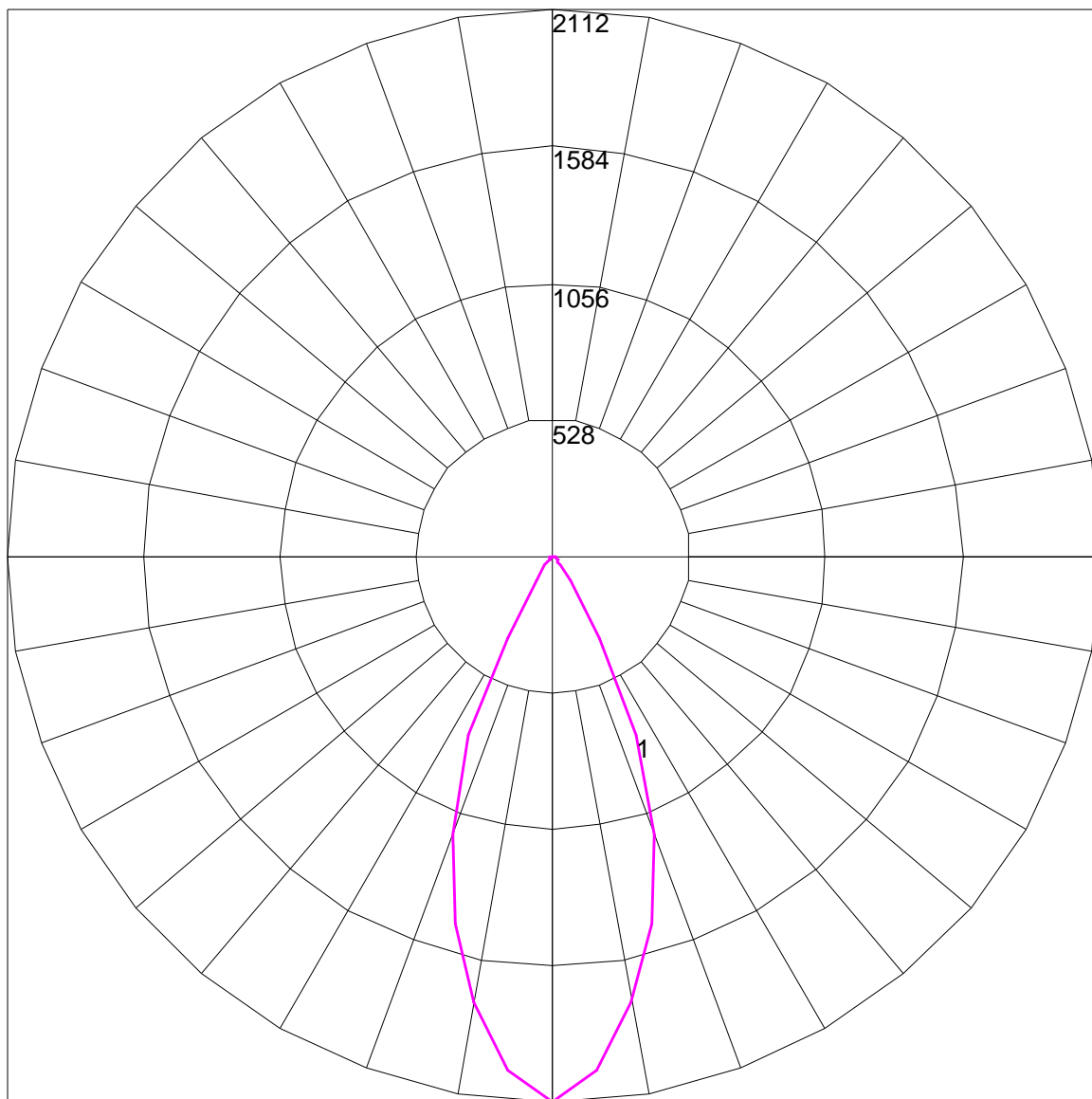
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	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	87	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	82	75	69	66	73	69	66	72	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

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP-00545_43 ~ SR3DMX-XT13LE1-RDD3X-XXK-MDMWSO.IES

POLAR GRAPH



Maximum Candela = 2111.615 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)