

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP-00545_13 ~ SS3MX-XT10LE1-SD3X-XXK-XNMWSO.IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] SP-00545_13_M-10L
 [TESTLAB] VLS-245-981
 [MANUFAC] Spectrum Lighting
 [ISSUEDATE] 2/16/2017
 [UPDATE] 5/8/2017
 [LUMCAT] SS3Mx-XT10L-E1-SD3x-xxK-XN-MW-SO
 [LUMINAIRE] Nom. 3" Square Downlight, Xtra Narrow Beam
 [OTHER] Matte White Trim, Solite Lens
 [OTHER] 13.6 Degree Beam Angle
 [LAMP] N/A, 9mm LES
 [LAMPCAT] N/A, Min. 83 CRI
 [OTHER] Total Luminaire Watts is approximate
 [OTHER] For New Construction Non-IC Housing: SS3MO-XT-series
 [OTHER] For New Construction IC Rated Housing: SS3MI-XT-Series
 [OTHER] For Remodel/Retrofit Housing: SS3MR-XT-Series
 [OTHER] For SD3F or SD3N 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	623
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	42
Total Luminaire Watts	14.8
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.26
Spacing Criterion (90-270)	0.24
Spacing Criterion (Diagonal)	0.26
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	0.31 ft
Luminous Width (90-270)	0.31 ft
Luminous Height	0.00 ft

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00545_13 ~ SS3MX-XT10LE1-SD3X-XXK-XNMWSO.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	1486	3074	1732
55	2130	2446	2138
65	2054	1764	1761
75	1080	1140	1381
85	1131	695	681

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00545_13 ~ SS3MX-XT10LE1-SD3X-XXK-XNMWSO.IES****CANDELA TABULATION**

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0	4701.598	4701.598	4701.598	4701.598	4701.598
5	3283.898	3266.452	3218.269	3162.233	3137.766
10	1267.644	1274.452	1252.230	1209.338	1116.670
15	502.273	519.487	533.098	514.308	473.854
20	342.733	352.887	355.803	344.355	333.423
25	230.936	261.841	302.510	262.513	225.781
30	106.901	136.790	224.948	124.492	85.024
35	38.109	56.233	108.596	44.355	32.186
40	17.612	19.604	39.031	18.572	16.542
45	9.539	12.056	19.741	13.717	11.120
50	10.990	12.766	14.288	11.731	10.531
55	11.097	11.929	12.740	13.734	11.137
60	10.307	9.558	10.229	10.732	9.568
65	7.883	8.264	6.769	6.559	6.759
70	5.914	5.347	4.811	4.512	4.946
75	2.539	3.782	2.679	3.465	3.247
80	2.175	1.902	1.999	1.783	1.347
85	0.895	0.860	0.550	0.691	0.539
90	0.000	0.000	0.000	0.000	0.000

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Zone	Lumens	%Lamp	%Fixt
0-20	428.26	N.A.	68.70
0-30	544.21	N.A.	87.30
0-40	588.76	N.A.	94.50
0-60	611.62	N.A.	98.10
0-80	622.44	N.A.	99.90
0-90	623.33	N.A.	100.00
10-90	369.63	N.A.	59.30
20-40	160.50	N.A.	25.70
20-50	172.77	N.A.	27.70
40-70	30.18	N.A.	4.80
60-80	10.83	N.A.	1.70
70-80	3.51	N.A.	0.60
80-90	0.89	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	623.33	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	253.70
10-20	174.56
20-30	115.95
30-40	44.55
40-50	12.27
50-60	10.58
60-70	7.32
70-80	3.51
80-90	0.89
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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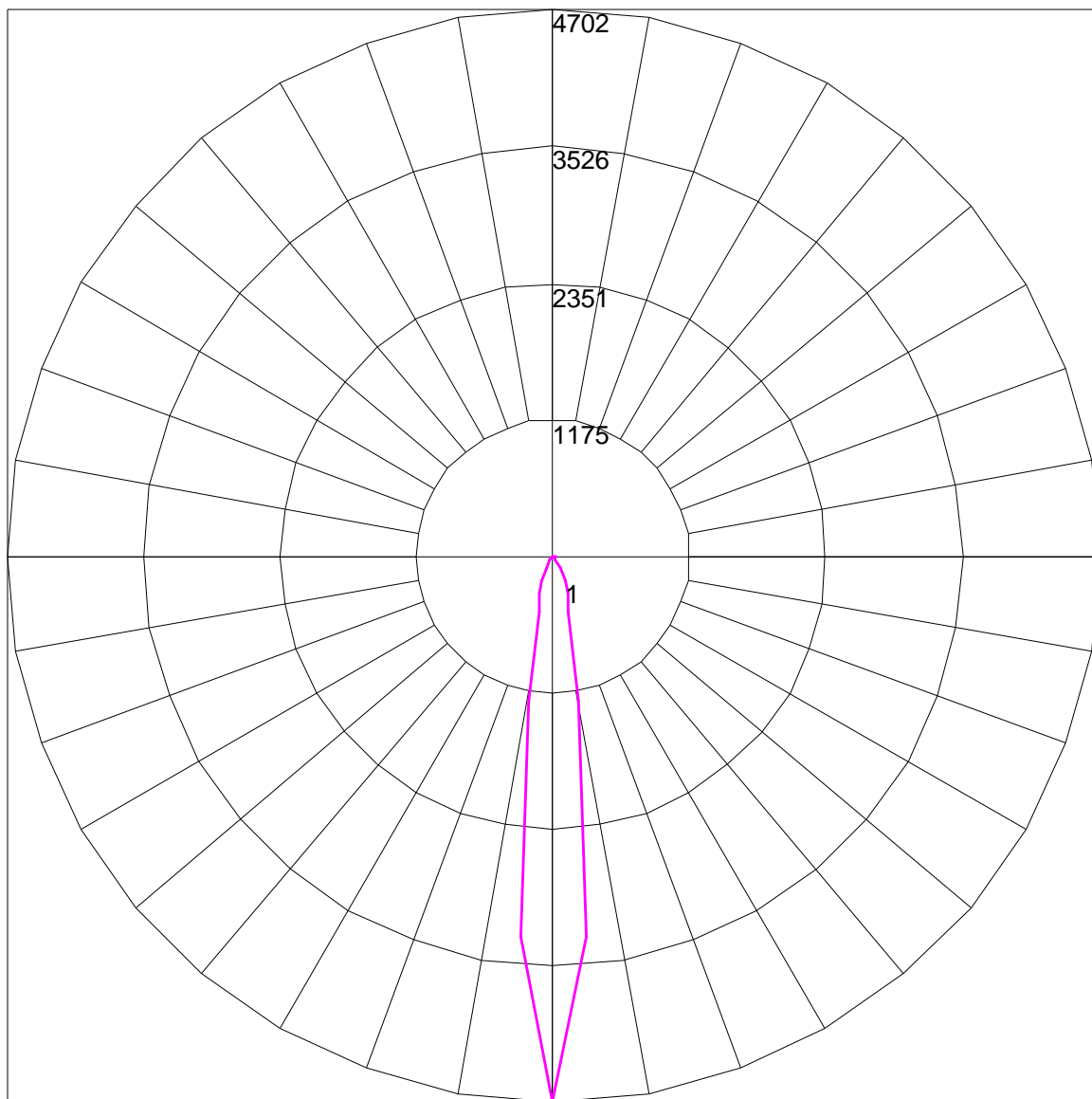
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	115	112	110	108	112	110	108	107	106	105	103	103	101	100	99	98	97	96
2	110	106	103	100	108	105	102	99	102	99	97	99	97	95	96	95	93	92
3	106	101	97	94	105	100	96	94	98	95	92	95	93	91	93	91	89	88
4	103	97	93	89	101	96	92	89	94	91	88	92	89	87	90	88	86	85
5	99	93	89	85	98	92	88	85	91	87	84	89	86	84	88	85	83	82
6	96	90	85	82	95	89	85	82	88	84	81	86	83	81	85	82	80	79
7	94	87	82	79	92	86	82	79	85	81	78	84	80	78	83	80	78	77
8	91	84	79	76	90	83	79	76	82	79	76	81	78	76	81	78	75	74
9	88	81	77	74	87	81	77	74	80	76	74	79	76	73	79	76	73	72
10	86	79	75	72	85	79	75	72	78	74	72	77	74	72	77	74	71	70

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POLAR GRAPH



Maximum Candela = 4701.598 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)