

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP-00545_16 ~ SS3MX-XT13LE1-SD3X-XXK-NDMWSO.IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] SP-00545_16_M-13L
 [TESTLAB] VLS-245-981
 [MANUFAC] Spectrum Lighting
 [ISSUEDATE] 2/17/2017
 [UPDATE] 5/8/2017
 [LUMCAT] SS3Mx-XT13L-E1-SD3x-ND-MW-SO
 [LUMINAIRE] Nom. 3" Square Downlight, Narrow Beam
 [OTHER] Matte White Trim, Solite Lens
 [OTHER] 27.6 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: 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	816
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	54
Total Luminaire Watts	15
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.48
Spacing Criterion (90-270)	0.48
Spacing Criterion (Diagonal)	0.52
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_16 ~ SS3MX-XT13LE1-SD3X-XXK-NDMWSO.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	5899	7528	5910
55	6496	8293	7072
65	6291	5841	6037
75	4250	3836	3717
85	2028	1252	1372

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00545_16 ~ SS3MX-XT13LE1-SD3X-XXK-NDMWSO.IES****CANDELA TABULATION**

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0	2089.448	2089.448	2089.448	2089.448	2089.448
5	1943.844	1948.225	1950.979	1941.757	1938.877
10	1474.312	1455.808	1442.462	1438.560	1444.996
15	958.565	933.943	913.822	932.240	954.316
20	631.074	632.572	629.075	632.457	622.276
25	375.431	414.352	456.992	424.061	371.145
30	186.237	231.912	302.219	237.136	180.628
35	79.667	100.244	159.075	105.782	79.071
40	45.578	50.956	72.936	53.193	45.252
45	37.876	41.114	48.340	39.875	37.952
50	36.878	40.641	45.822	40.734	37.092
55	33.838	38.356	43.194	40.133	36.834
60	32.129	33.509	32.927	31.886	30.958
65	24.144	24.718	22.418	23.143	23.170
70	16.254	16.331	13.751	14.778	14.791
75	9.988	8.750	9.017	9.150	8.737
80	4.625	4.213	4.297	3.979	3.807
85	1.605	1.295	0.991	1.156	1.086
90	0.000	0.000	0.000	0.000	0.000

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Zone	Lumens	%Lamp	%Fixt
0-20	439.97	N.A.	53.90
0-30	632.82	N.A.	77.60
0-40	712.15	N.A.	87.30
0-60	780.97	N.A.	95.70
0-80	814.20	N.A.	99.80
0-90	815.99	N.A.	100.00
10-90	646.31	N.A.	79.20
20-40	272.18	N.A.	33.40
20-50	306.96	N.A.	37.60
40-70	92.19	N.A.	11.30
60-80	33.23	N.A.	4.10
70-80	9.86	N.A.	1.20
80-90	1.79	N.A.	0.20
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	815.99	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	169.68
10-20	270.29
20-30	192.85
30-40	79.33
40-50	34.78
50-60	34.04
60-70	23.37
70-80	9.86
80-90	1.79
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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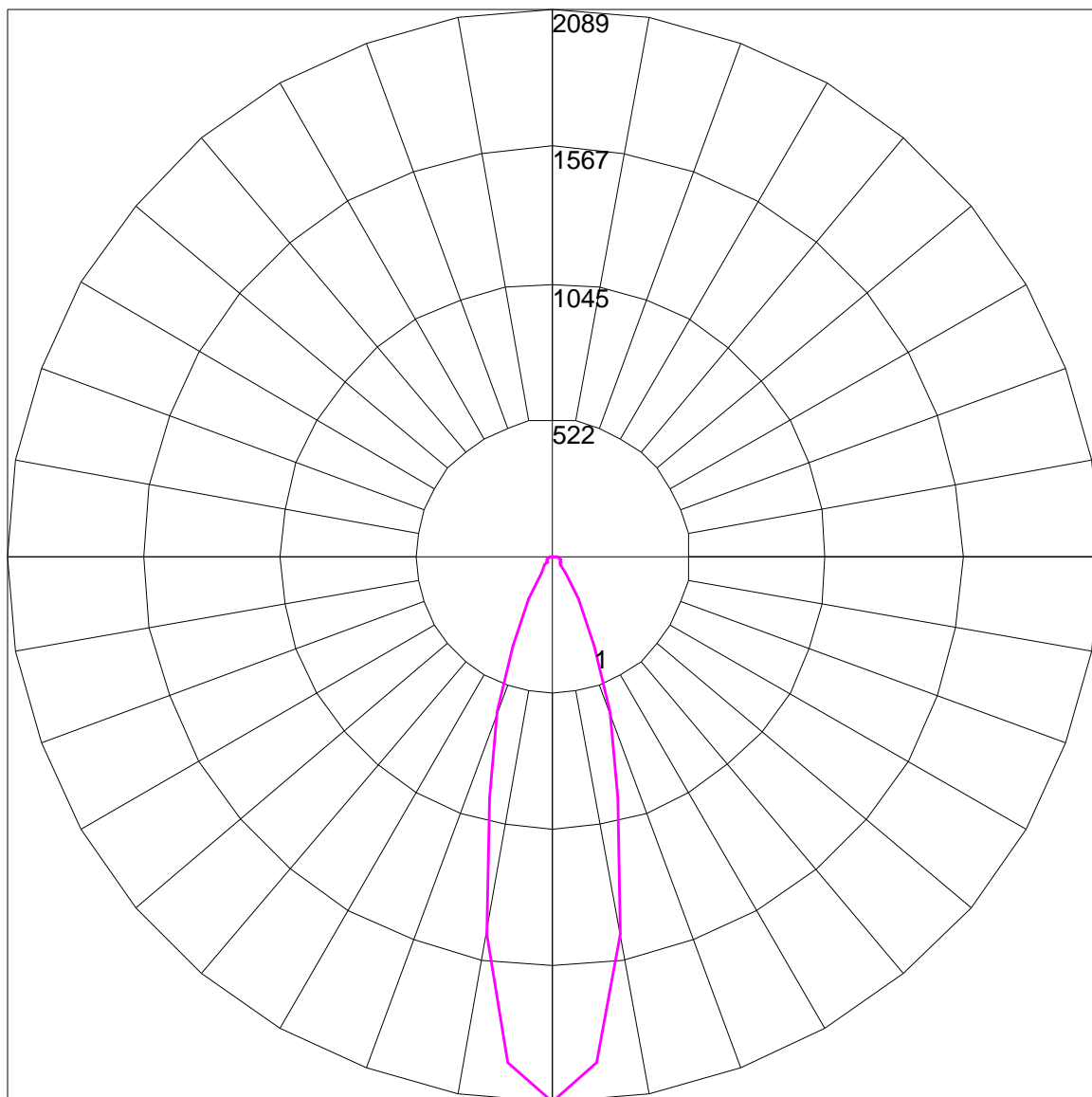
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	113	111	108	106	111	108	106	104	104	103	101	101	99	98	97	96	95	93
2	108	103	99	96	106	101	98	95	98	95	93	95	93	91	92	90	89	87
3	103	97	92	88	101	95	91	87	93	89	86	90	87	84	88	85	83	82
4	98	91	86	81	96	90	85	81	88	83	80	86	82	79	84	81	78	77
5	94	86	80	76	92	85	80	76	83	79	75	82	78	75	80	77	74	72
6	90	81	76	72	88	81	75	72	79	75	71	78	74	71	77	73	70	69
7	86	77	72	68	85	77	72	68	76	71	67	74	70	67	73	70	67	65
8	83	74	68	65	82	73	68	65	72	68	64	71	67	64	70	67	64	62
9	80	71	65	62	79	70	65	62	69	65	61	69	64	61	68	64	61	60
10	77	68	63	59	76	67	62	59	67	62	59	66	62	59	65	61	58	57

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POLAR GRAPH



Maximum Candela = 2089.448 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)