

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP-00545_16 ~ SS3MX-XT20LE1-SD3X-XXK-NDMWSO.IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] SP-00545_16
 [TESTLAB] VLS-245-981
 [MANUFAC] Spectrum Lighting
 [ISSUEDATE] 2/17/2017
 [UPDATE] 5/8/2017
 [LUMCAT] SS3Mx-XT20L-E1-SD3x-ND-MW-NL
 [LUMINAIRE] Nom. 3" Square Downlight, Narrow Beam
 [OTHER] Matte White Trim, No Lens
 [OTHER] 25.8 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

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1255
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	53
Total Luminaire Watts	23.7
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-XT20LE1-SD3X-XXK-NDMWSO.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	9075	11582	9093
55	9995	12758	10879
65	9678	8987	9288
75	6538	5902	5719
85	3121	1927	2111

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00545_16 ~ SS3MX-XT20LE1-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	3214.535	3214.535	3214.535	3214.535	3214.535
5	2990.530	2997.270	3001.507	2987.318	2982.888
10	2268.172	2239.705	2219.172	2213.169	2223.071
15	1474.715	1436.836	1405.880	1434.216	1468.179
20	970.883	973.187	967.807	973.011	957.347
25	577.586	637.464	703.064	652.401	570.992
30	286.518	356.787	464.952	364.824	277.890
35	122.565	154.222	244.731	162.742	121.648
40	70.120	78.394	112.209	81.836	69.618
45	58.271	63.253	74.369	61.346	58.388
50	56.736	62.525	70.496	62.667	57.065
55	52.059	59.010	66.452	61.743	56.667
60	49.430	51.553	50.657	49.055	47.627
65	37.144	38.027	34.489	35.604	35.646
70	25.006	25.124	21.155	22.736	22.756
75	15.366	13.461	13.872	14.077	13.441
80	7.115	6.482	6.611	6.121	5.857
85	2.470	1.992	1.525	1.778	1.671
90	0.000	0.000	0.000	0.000	0.000

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00545_16 ~ SS3MX-XT20LE1-SD3X-XXK-NDMWSO.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	676.88	N.A.	53.90
0-30	973.56	N.A.	77.60
0-40	1095.61	N.A.	87.30
0-60	1201.49	N.A.	95.70
0-80	1252.61	N.A.	99.80
0-90	1255.36	N.A.	100.00
10-90	994.32	N.A.	79.20
20-40	418.73	N.A.	33.40
20-50	472.25	N.A.	37.60
40-70	141.83	N.A.	11.30
60-80	51.12	N.A.	4.10
70-80	15.17	N.A.	1.20
80-90	2.75	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	1255.36	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	261.04
10-20	415.83
20-30	296.69
30-40	122.04
40-50	53.51
50-60	52.37
60-70	35.95
70-80	15.17
80-90	2.75
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_16 ~ SS3MX-XT20LE1-SD3X-XXK-NDMWSO.IES

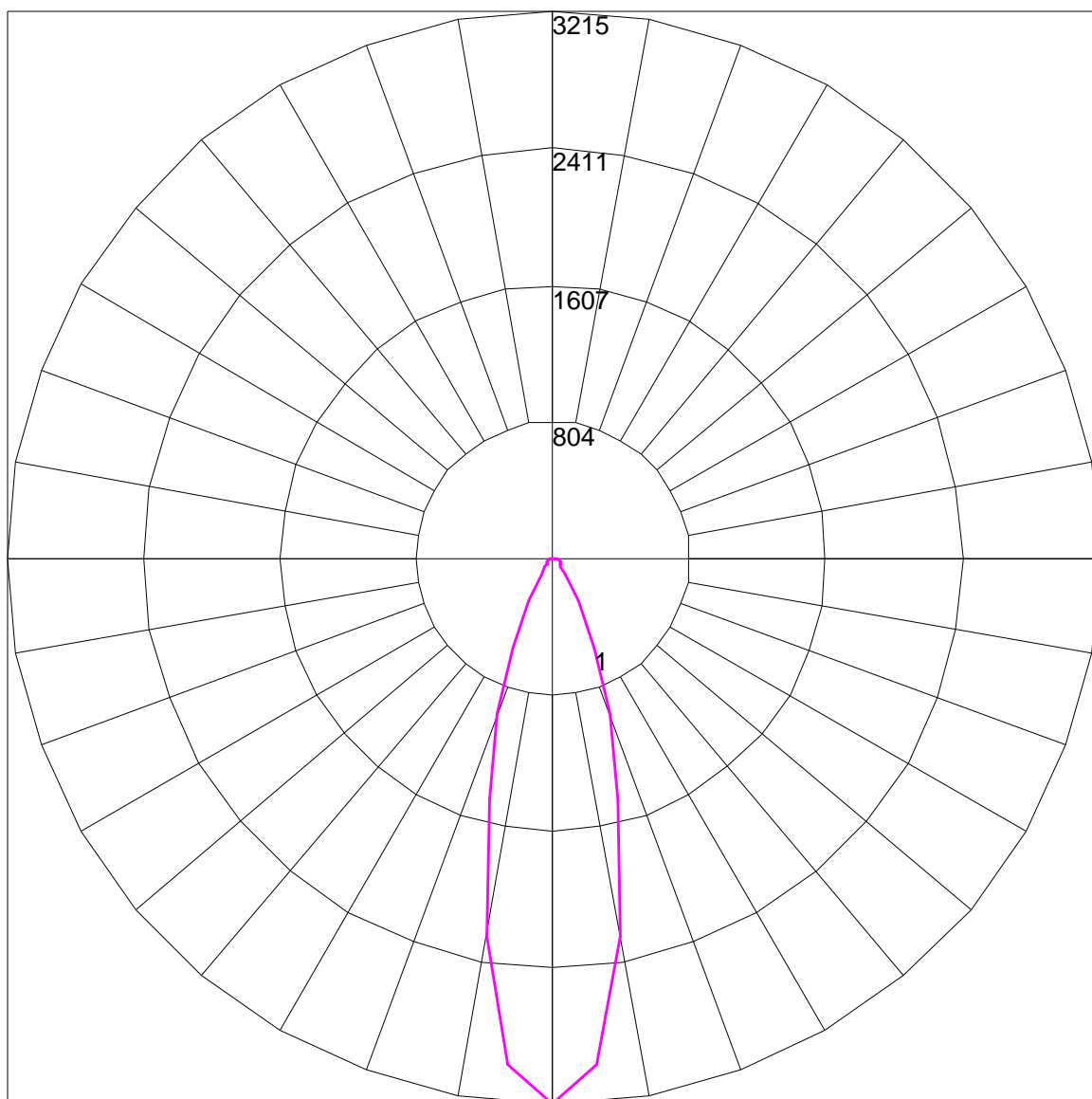
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	113	111	108	106	111	109	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	73
6	90	81	76	72	88	81	75	72	79	75	71	78	74	71	77	73	70	69
7	86	78	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	59	57

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP-00545_16 ~ SS3MX-XT20LE1-SD3X-XXK-NDMWSO.IES

POLAR GRAPH



Maximum Candela = 3214.535 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)