

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00545_18 ~ SS3MX-XT20LE1-SD3X-XXK-MDMWNL.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002
[TEST] SP-00545_18
[TESTLAB] VLS-245-981
[MANUFAC] Spectrum Lighting
[ISSUEDATE] 2/24/2017
[UPDATE] 5/8/2017
[LUMCAT] SS3Mx-XT20L-E1-SD3x-MD-MW-NL
[LUMINAIRE] Nom. 3" Square Downlight, Medium Beam
[OTHER] Matte White Trim, No Lens
[OTHER] 42.6 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

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1574
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	66
Total Luminaire Watts	23.7
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.68
Spacing Criterion (90-270)	0.68
Spacing Criterion (Diagonal)	0.70
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	0.31 ft
Luminous Width (90-270)	0.31 ft
Luminous Height	0.00 ft

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Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	6388	6794	6528
55	4938	4607	4483
65	2782	1425	2010
75	1371	1252	1276
85	2207	2047	1972

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	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0	3056.341	3056.341	3056.341	3056.341	3056.341
5	2952.207	2982.556	2995.171	2984.613	2971.221
10	2616.000	2667.382	2667.682	2671.683	2667.854
15	2128.310	2189.833	2212.284	2168.819	2140.268
20	1612.082	1670.468	1665.471	1653.401	1615.394
25	993.438	1099.756	1157.084	1096.060	999.939
30	373.189	515.785	690.902	508.106	397.514
35	83.130	150.240	298.925	113.958	70.564
40	46.994	44.976	100.261	49.303	51.431
45	41.018	37.529	43.629	41.072	41.920
50	34.303	32.969	34.170	32.636	33.311
55	25.721	23.726	23.998	23.356	23.353
60	16.202	15.601	12.691	14.336	14.531
65	10.676	6.034	5.470	7.777	7.714
70	6.164	4.659	4.682	4.350	4.730
75	3.222	3.204	2.942	3.765	2.999
80	3.147	2.804	2.755	2.442	2.212
85	1.747	1.618	1.620	1.624	1.561
90	0.000	0.000	0.000	0.000	0.000

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Zone	Lumens	%Lamp	%Fixt
0-20	876.47	N.A.	55.70
0-30	1367.71	N.A.	86.90
0-40	1505.44	N.A.	95.60
0-60	1560.66	N.A.	99.10
0-80	1572.61	N.A.	99.90
0-90	1574.23	N.A.	100.00
10-90	1300.18	N.A.	82.60
20-40	628.97	N.A.	40.00
20-50	662.85	N.A.	42.10
40-70	63.48	N.A.	4.00
60-80	11.96	N.A.	0.80
70-80	3.69	N.A.	0.20
80-90	1.61	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	1574.23	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	274.05
10-20	602.42
20-30	491.24
30-40	137.74
40-50	33.88
50-60	21.34
60-70	8.27
70-80	3.69
80-90	1.61
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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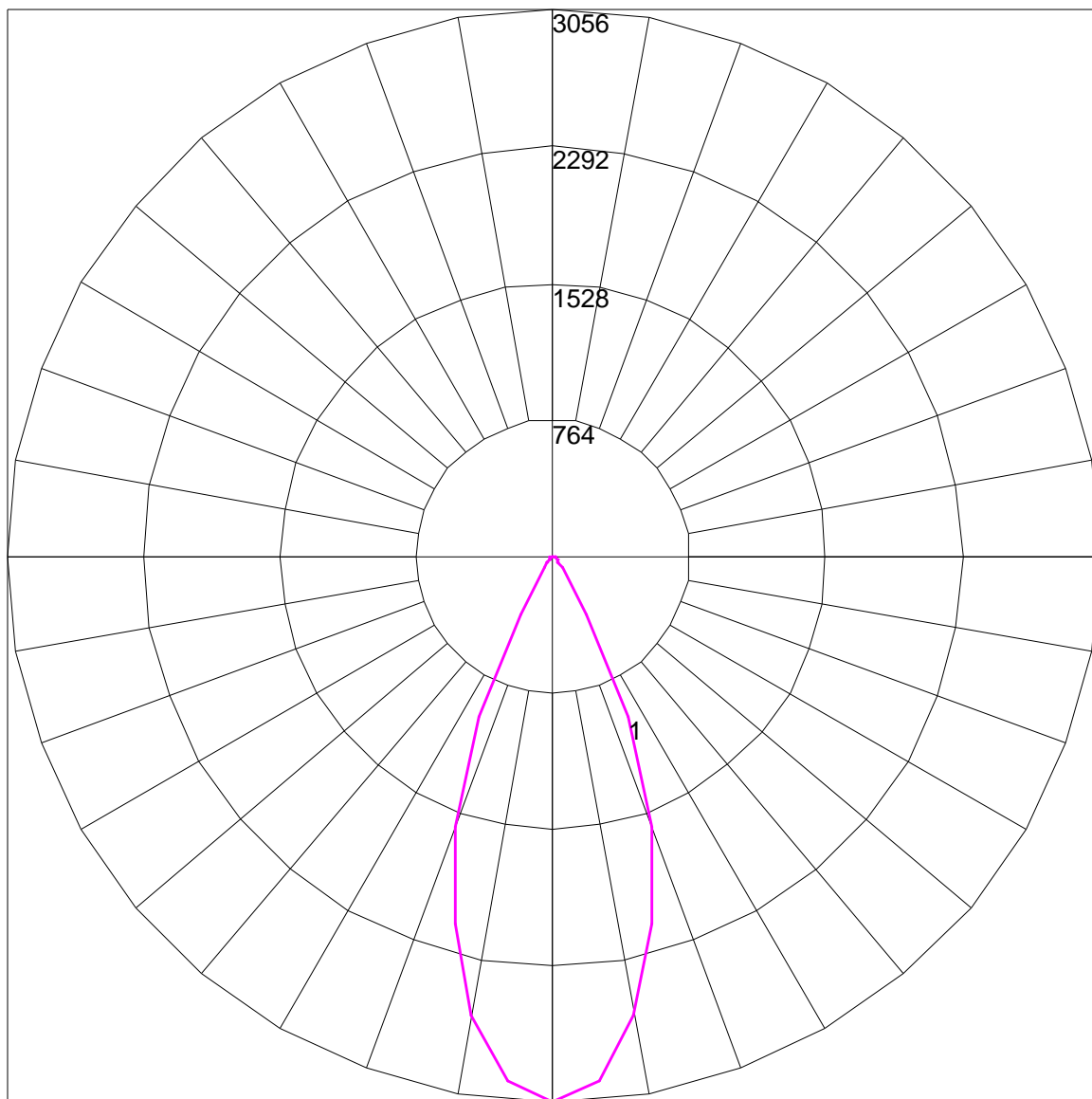
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	114	112	109	107	112	109	107	106	105	104	102	102	100	99	98	97	96	95
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	93	91	90
3	105	99	95	91	103	98	94	90	95	92	89	93	90	87	90	88	86	85
4	100	94	89	85	99	92	88	85	90	87	84	88	85	83	87	84	82	80
5	96	89	84	80	95	88	83	80	86	82	79	85	81	78	83	80	78	76
6	92	84	79	75	91	84	79	75	82	78	75	81	77	74	80	76	74	72
7	88	80	75	72	87	80	75	71	79	74	71	77	74	71	76	73	70	69
8	85	77	72	68	84	76	71	68	75	71	68	74	70	67	73	70	67	66
9	82	73	68	65	81	73	68	65	72	68	64	71	67	64	70	67	64	63
10	79	70	65	62	78	70	65	62	69	65	62	68	64	61	68	64	61	60

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POLAR GRAPH



Maximum Candela = 3056.341 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)