

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP-00545_20 ~ SS3MX-XT13LE1-SD3X-XXK-MDMWGL.IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] SP-00545_20_M-13L
 [TESTLAB] VLS-245-981
 [MANUFAC] Spectrum Lighting
 [ISSUEDATE] 2/16/2017
 [UPDATE] 5/8/2017
 [LUMCAT] SS3MRx-XT13L-E1-SD3x-MD-MW-GL
 [LUMINAIRE] Nominal 3" Square Downlight, Medium Beam
 [OTHER] Matte White Trim, clear glass lens
 [OTHER] 49.2 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	771
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	51
Total Luminaire Watts	15
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.26
Spacing Criterion (90-270)	0.26
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_20 ~ SS3MX-XT13LE1-SD3X-XXK-MDMWGL.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	4661	4348	4168
55	2023	2104	2087
65	1149	1259	1293
75	841	899	859
85	0	0	1472

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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	5108.778	5108.778	5108.778	5108.778	5108.778
5	3746.733	3699.958	3626.000	3538.472	3516.354
10	1092.220	1060.586	1159.922	1288.180	1404.400
15	500.407	495.481	488.412	490.528	502.444
20	376.539	378.242	381.417	381.170	381.503
25	347.745	351.495	349.631	353.788	353.599
30	319.326	322.239	324.817	328.120	331.498
35	187.362	188.180	189.816	191.761	203.394
40	48.332	55.015	54.088	56.245	61.170
45	29.927	31.597	27.918	25.724	26.764
50	20.605	22.030	16.236	14.769	14.479
55	10.535	11.896	10.960	10.189	10.873
60	7.099	7.021	7.120	6.928	7.942
65	4.411	3.951	4.831	4.925	4.961
70	3.570	3.929	3.636	3.826	4.633
75	1.976	1.652	2.112	1.752	2.020
80	0.779	1.063	0.890	1.182	1.093
85	0.000	1.147	0.000	0.000	1.165
90	0.000	0.000	0.000	0.000	0.000

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Zone	Lumens	%Lamp	%Fixt
0-20	448.45	N.A.	58.20
0-30	610.78	N.A.	79.20
0-40	727.92	N.A.	94.40
0-60	763.06	N.A.	99.00
0-80	770.34	N.A.	99.90
0-90	770.85	N.A.	100.00
10-90	494.27	N.A.	64.10
20-40	279.47	N.A.	36.30
20-50	304.22	N.A.	39.50
40-70	40.14	N.A.	5.20
60-80	7.28	N.A.	0.90
70-80	2.28	N.A.	0.30
80-90	0.51	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	770.85	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	276.58
10-20	171.87
20-30	162.32
30-40	117.14
40-50	24.75
50-60	10.39
60-70	5.00
70-80	2.28
80-90	0.51
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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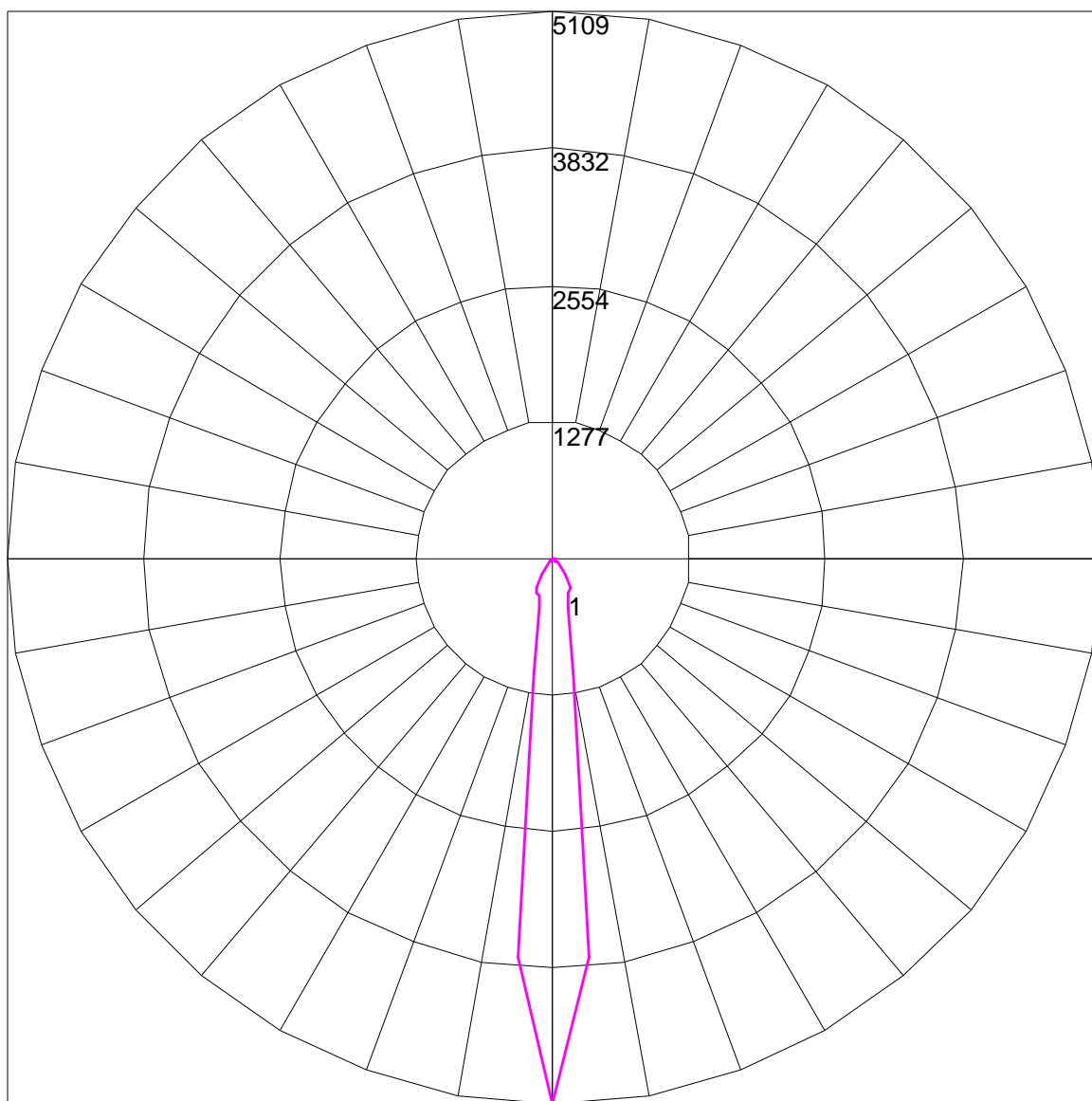
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	95
2	110	106	102	99	108	104	101	98	101	98	96	98	96	94	95	93	92	90
3	105	100	96	92	104	99	95	92	96	93	90	94	91	89	92	89	88	86
4	101	95	90	87	100	94	90	86	92	88	85	90	87	84	88	86	83	82
5	98	91	86	82	96	90	85	82	88	84	81	86	83	81	85	82	80	79
6	94	87	82	78	93	86	81	78	85	81	78	83	80	77	82	79	77	75
7	91	83	78	75	90	83	78	75	81	77	74	80	77	74	79	76	74	72
8	88	80	75	72	87	79	75	72	78	74	71	78	74	71	77	73	71	70
9	85	77	72	69	84	77	72	69	76	72	69	75	71	69	74	71	68	67
10	82	74	70	67	81	74	70	67	73	69	66	73	69	66	72	69	66	65

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POLAR GRAPH



Maximum Candela = 5108.778 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)