

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP_00547_13 ~ SS4MX-XT20LE1-SDD4X-XXK-XWMWGL.IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] SP-00547.13_M-20L
 [TESTLAB] VLS-245-981
 [MANUFAC] Spectrum Lighting
 [ISSUEDATE] 3/21/2017
 [UPDATE] 4/21/2017
 [LUMCAT] SS4MRx-XT20L-E1-SDD4x-xxK-XW-MW-GL
 [LUMINAIRE] Nom. 4" Square Downlight, Deep profile, Xtra Wide Beam
 [OTHER] Matte White Trim, Clear glass lens
 [OTHER] 54.9 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: SS4MO-XT-series
 [OTHER] For New Constuction IC Rated Housing: SS4MI-XT-Series
 [OTHER] For Remodel/Retrofit Housing: SS4MR-XT-Series
 [OTHER] For SDD4F or SDD4N Downlight Trim
 [OTHER] LEDXT lumen output is the same for all available CCT's
 [OTHER] This report prepared by Spectrum Lighting, scaled from 40L

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1478
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	62
Total Luminaire Watts	23.7
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.88
Spacing Criterion (90-270)	0.88
Spacing Criterion (Diagonal)	0.90
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	0.20 ft
Luminous Width (90-270)	0.20 ft
Luminous Height	0.00 ft

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP_00547_13 ~ SS4MX-XT20LE1-SDD4X-XXK-XWMWGL.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	24882	27662	24288
55	7627	10812	7240
65	4934	3513	5047
75	2572	3003	2571
85	2326	3012	1907

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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	1782.437	1782.437	1782.437	1782.437	1782.437
5	1767.667	1768.209	1764.296	1758.907	1754.272
10	1689.970	1698.509	1687.289	1682.220	1667.804
15	1564.488	1588.282	1581.997	1567.827	1542.430
20	1363.970	1404.688	1425.770	1385.742	1341.959
25	1085.671	1151.388	1197.260	1128.131	1068.249
30	688.396	795.466	895.012	767.662	677.741
35	326.427	404.213	522.155	383.370	322.544
40	140.615	160.349	206.305	154.708	137.918
45	64.141	68.703	71.308	67.059	62.610
50	29.261	34.122	37.948	33.240	29.728
55	15.949	18.856	22.608	19.500	15.140
60	9.231	9.835	10.890	10.090	8.171
65	7.602	7.607	5.412	7.711	7.776
70	6.649	7.293	4.741	7.687	6.826
75	2.427	3.536	2.833	3.355	2.426
80	0.858	0.948	1.044	0.997	0.933
85	0.739	0.791	0.957	0.776	0.606
90	0.821	0.345	0.828	0.254	0.778

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Zone	Lumens	%Lamp	%Fixt
0-20	603.53	N.A.	40.80
0-30	1112.4	N.A.	75.30
0-40	1383.93	N.A.	93.70
0-60	1465.69	N.A.	99.20
0-80	1476.89	N.A.	99.90
0-90	1477.74	N.A.	100.00
10-90	1311.94	N.A.	88.80
20-40	780.40	N.A.	52.80
20-50	843.97	N.A.	57.10
40-70	89.36	N.A.	6.00
60-80	11.20	N.A.	0.80
70-80	3.60	N.A.	0.20
80-90	0.85	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	1477.74	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	165.80
10-20	437.73
20-30	508.88
30-40	271.52
40-50	63.57
50-60	18.19
60-70	7.60
70-80	3.60
80-90	0.85
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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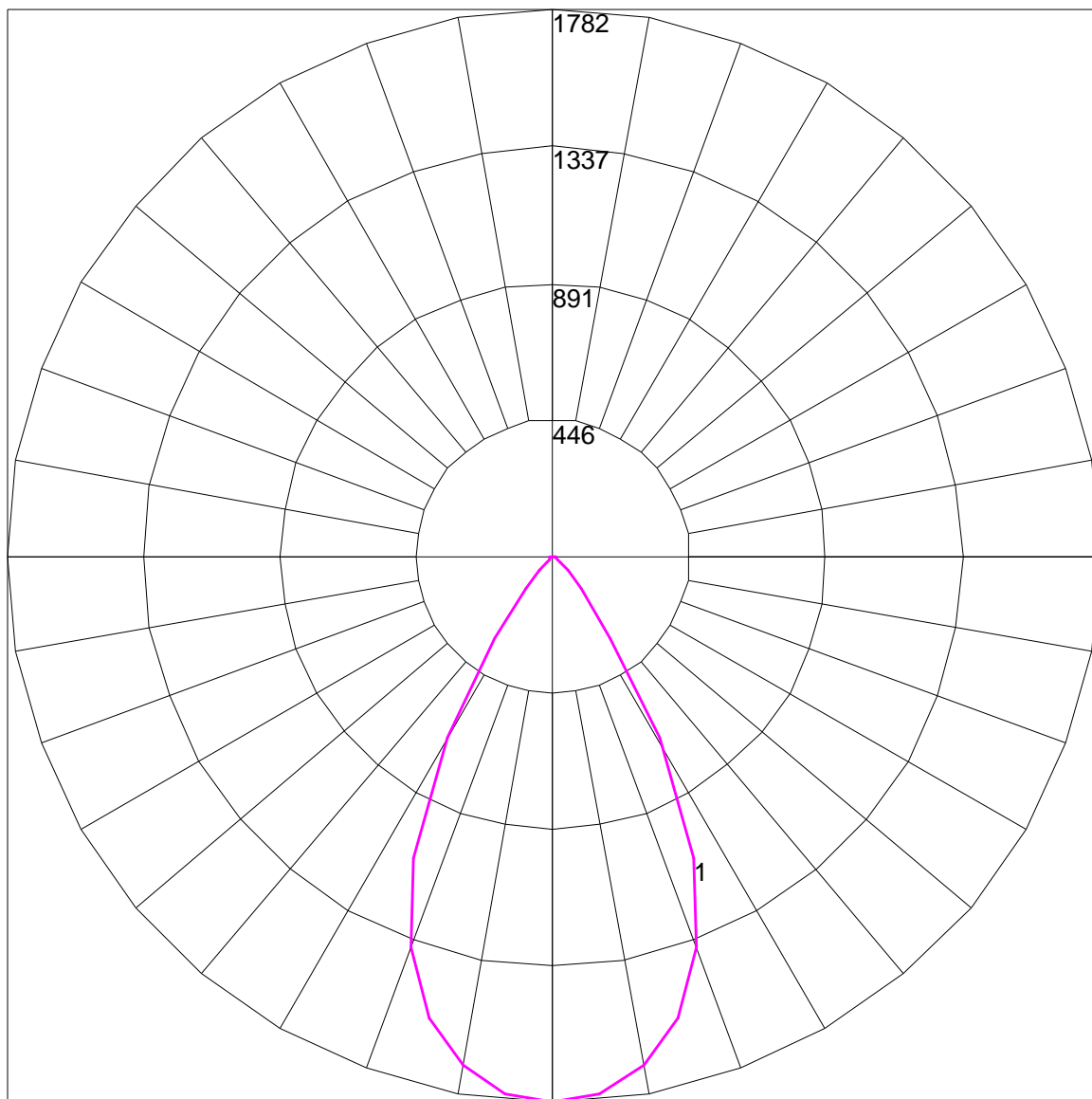
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	111	108	106	111	109	106	105	105	103	101	101	100	98	98	96	95	94
2	108	103	99	96	106	102	98	95	98	95	93	95	93	91	93	91	89	87
3	103	97	92	88	101	95	91	87	93	89	86	90	87	84	88	85	83	81
4	98	90	85	81	96	89	84	80	87	83	79	85	81	79	83	80	78	76
5	93	85	79	75	91	84	79	75	82	77	74	80	76	73	79	75	73	71
6	88	80	74	70	87	79	74	70	78	73	69	76	72	69	75	71	68	67
7	84	75	69	65	83	75	69	65	73	68	65	72	68	64	71	67	64	63
8	80	71	65	61	79	70	65	61	69	64	61	68	64	61	67	63	60	59
9	77	67	61	58	76	67	61	57	66	61	57	65	60	57	64	60	57	56
10	73	64	58	54	72	63	58	54	62	58	54	62	57	54	61	57	54	52

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POLAR GRAPH



Maximum Candela = 1782.437 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)