

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP_00547_3 ~ SS4MX-XT40LE1-SDD4X-XXK-NDMWNL.IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] SP-00547.3
 [TESTLAB] VLS-245-981
 [MANUFAC] Spectrum Lighting
 [ISSUEDATE] 3/21/2017
 [UPDATE] 4/20/2017
 [LUMCAT] SS4MRx-XT40L-E1-SDD4x-xxK-ND-MW-NL
 [LUMINAIRE] Nom. 4" Square Downlight, Deep profile , Narrow Beam
 [OTHER] Matte White Trim, No lens
 [OTHER] 21.5 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 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

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2783
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	70
Total Luminaire Watts	39.9
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.38
Spacing Criterion (90-270)	0.30
Spacing Criterion (Diagonal)	0.36
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_3 ~ SS4MX-XT40LE1-SDD4X-XXK-NDMWNL.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	17407	18972	9180
55	12709	20633	17798
65	13056	13995	10369
75	2201	3163	3573
85	4557	4328	4236

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP_00547_3 ~ SS4MX-XT40LE1-SDD4X-XXK-NDMWNL.IES****CANDELA TABULATION**

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0	13875.040	13875.040	13875.040	13875.040	13875.040
5	12759.270	12442.480	11187.910	11148.620	10451.670
10	7506.958	7093.028	6064.695	5866.067	5307.714
15	3525.750	3408.102	2868.686	2820.533	2549.992
20	1914.342	1818.772	1587.264	1662.949	1565.254
25	1225.002	1266.194	1230.797	1177.092	1047.366
30	608.589	814.492	1031.563	685.482	499.537
35	173.825	336.165	594.466	242.549	130.346
40	68.388	88.480	179.355	55.882	43.811
45	44.872	48.612	48.906	33.569	23.665
50	25.824	35.429	43.542	28.116	18.442
55	26.575	36.284	43.144	38.515	37.216
60	37.799	41.961	40.802	41.019	41.895
65	20.115	24.760	21.562	23.135	15.975
70	4.966	8.957	4.946	6.107	5.751
75	2.077	2.493	2.984	3.693	3.371
80	1.900	2.007	1.152	1.579	3.136
85	1.448	1.352	1.375	1.499	1.346
90	1.724	0.798	1.436	0.464	1.367

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Zone	Lumens	%Lamp	%Fixt
0-20	1894.18	N.A.	68.10
0-30	2448.65	N.A.	88.00
0-40	2682.15	N.A.	96.40
0-60	2755.55	N.A.	99.00
0-80	2781.67	N.A.	99.90
0-90	2783.22	N.A.	100.00
10-90	1836.45	N.A.	66.00
20-40	787.97	N.A.	28.30
20-50	828.08	N.A.	29.80
40-70	95.81	N.A.	3.40
60-80	26.12	N.A.	0.90
70-80	3.72	N.A.	0.10
80-90	1.55	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	2783.22	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	946.77
10-20	947.41
20-30	554.46
30-40	233.50
40-50	40.12
50-60	33.28
60-70	22.41
70-80	3.72
80-90	1.55
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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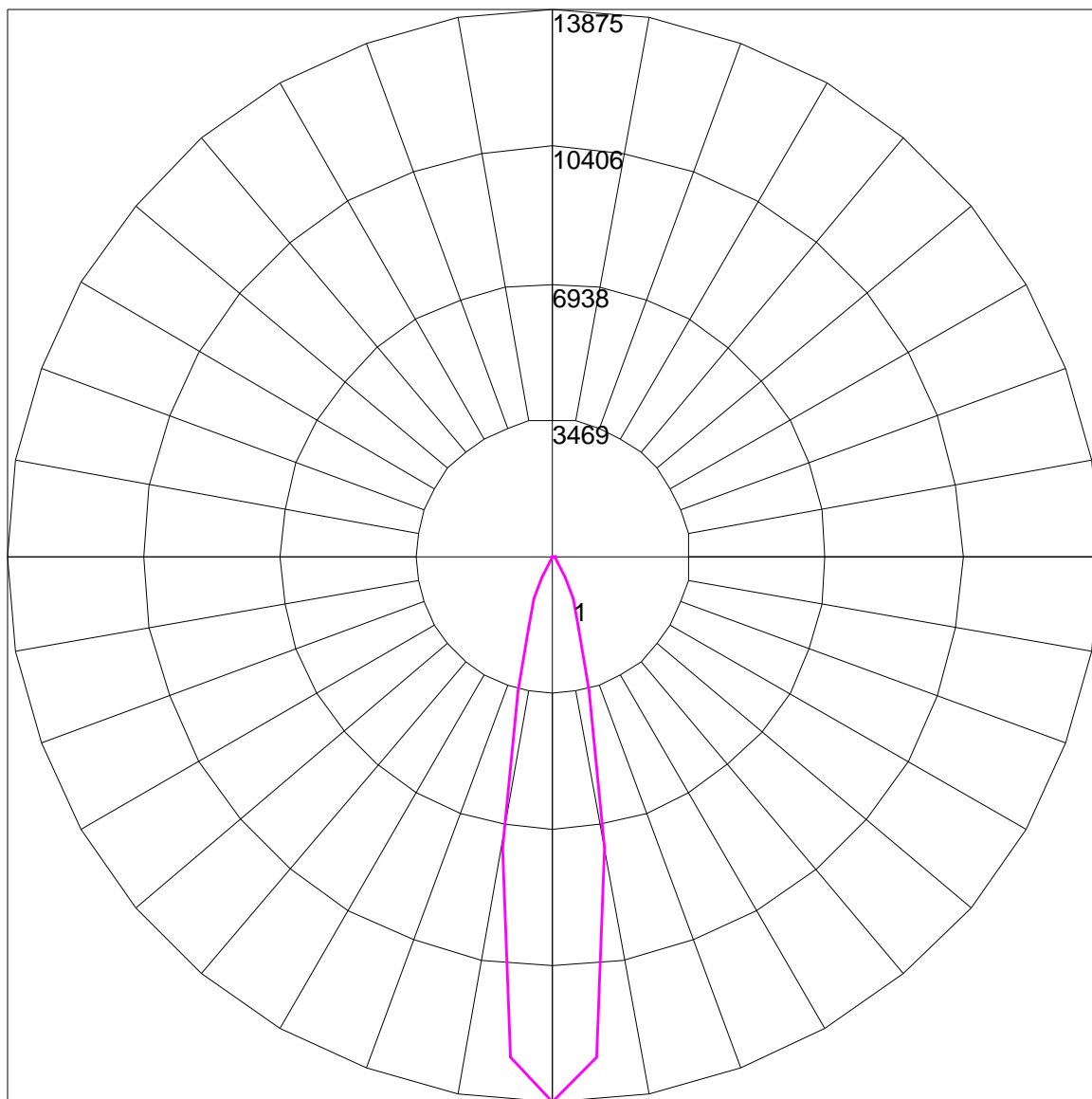
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	115	112	110	108	112	110	108	107	106	105	103	103	101	100	99	98	97	96
2	110	106	103	100	108	105	102	99	102	99	97	99	97	95	96	94	93	92
3	106	101	97	94	105	100	96	93	97	94	92	95	93	91	93	91	89	88
4	103	97	92	89	101	96	92	89	94	90	88	92	89	87	90	88	86	84
5	99	93	88	85	98	92	88	84	90	86	84	89	85	83	87	84	82	81
6	96	89	84	81	95	88	84	81	87	83	80	86	82	80	84	82	79	78
7	93	86	81	78	92	85	81	78	84	80	77	83	79	77	82	79	77	75
8	90	83	78	75	89	82	78	75	81	77	75	80	77	74	79	76	74	73
9	87	80	76	72	86	80	75	72	79	75	72	78	74	72	77	74	72	71
10	85	77	73	70	84	77	73	70	76	73	70	76	72	70	75	72	70	69

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POLAR GRAPH



Maximum Candela = 13875.04 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)