

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP_00547_10 ~ SS4MX-XT20LE1-SDD4X-XXK-WDMWGL.IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] SP-00547.10_M-20L
 [TESTLAB] VLS-245-981
 [MANUFAC] Spectrum Lighting
 [ISSUEDATE] 3/21/2017
 [UPDATE] 4/20/2017
 [LUMCAT] SS4MRx-XT20L-E1-SDD4x-xxK-WD-MW-GL
 [LUMINAIRE] Nom. 4" Square Downlight, Deep profile, Wide Beam
 [OTHER] Matte White Trim, Clear glass lens
 [OTHER] 35.8 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: 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	1412
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	60
Total Luminaire Watts	23.7
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.58
Spacing Criterion (90-270)	0.58
Spacing Criterion (Diagonal)	0.64
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_10 ~ SS4MX-XT20LE1-SDD4X-XXK-WDMWGL.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	20406	23258	20887
55	14456	16648	15590
65	4710	5931	5388
75	2318	2115	1240
85	2650	3405	3018

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP_00547_10 ~ SS4MX-XT20LE1-SDD4X-XXK-WDMWGL.IES****CANDELA TABULATION**

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0	2975.785	2975.785	2975.785	2975.785	2975.785
5	2828.397	2855.746	2840.451	2848.595	2826.729
10	2373.598	2436.526	2433.231	2418.354	2355.050
15	1785.924	1875.013	1866.913	1849.289	1762.879
20	1267.693	1331.522	1305.315	1307.882	1245.681
25	824.408	904.444	875.522	881.491	807.270
30	407.273	515.877	591.011	490.882	393.895
35	133.457	192.923	344.920	174.764	124.687
40	58.701	67.866	141.412	60.744	58.344
45	52.602	56.021	59.954	54.512	53.843
50	43.786	45.500	43.567	45.714	44.924
55	30.227	34.625	34.812	34.296	32.599
60	14.891	19.298	22.143	19.167	17.417
65	7.256	8.040	9.138	9.123	8.302
70	6.425	5.745	3.111	5.763	6.343
75	2.187	2.677	1.996	2.269	1.170
80	0.877	0.680	1.156	0.884	1.069
85	0.842	0.845	1.082	0.636	0.959
90	0.807	0.798	0.807	0.385	0.623

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Zone	Lumens	%Lamp	%Fixt
0-20	768.89	N.A.	54.40
0-30	1169.69	N.A.	82.80
0-40	1323.05	N.A.	93.70
0-60	1398.3	N.A.	99.00
0-80	1411.28	N.A.	99.90
0-90	1412.19	N.A.	100.00
10-90	1154.59	N.A.	81.80
20-40	554.16	N.A.	39.20
20-50	600.07	N.A.	42.50
40-70	85.47	N.A.	6.10
60-80	12.98	N.A.	0.90
70-80	2.76	N.A.	0.20
80-90	0.91	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	1412.19	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	257.59
10-20	511.30
20-30	400.80
30-40	153.36
40-50	45.91
50-60	29.33
60-70	10.22
70-80	2.76
80-90	0.91
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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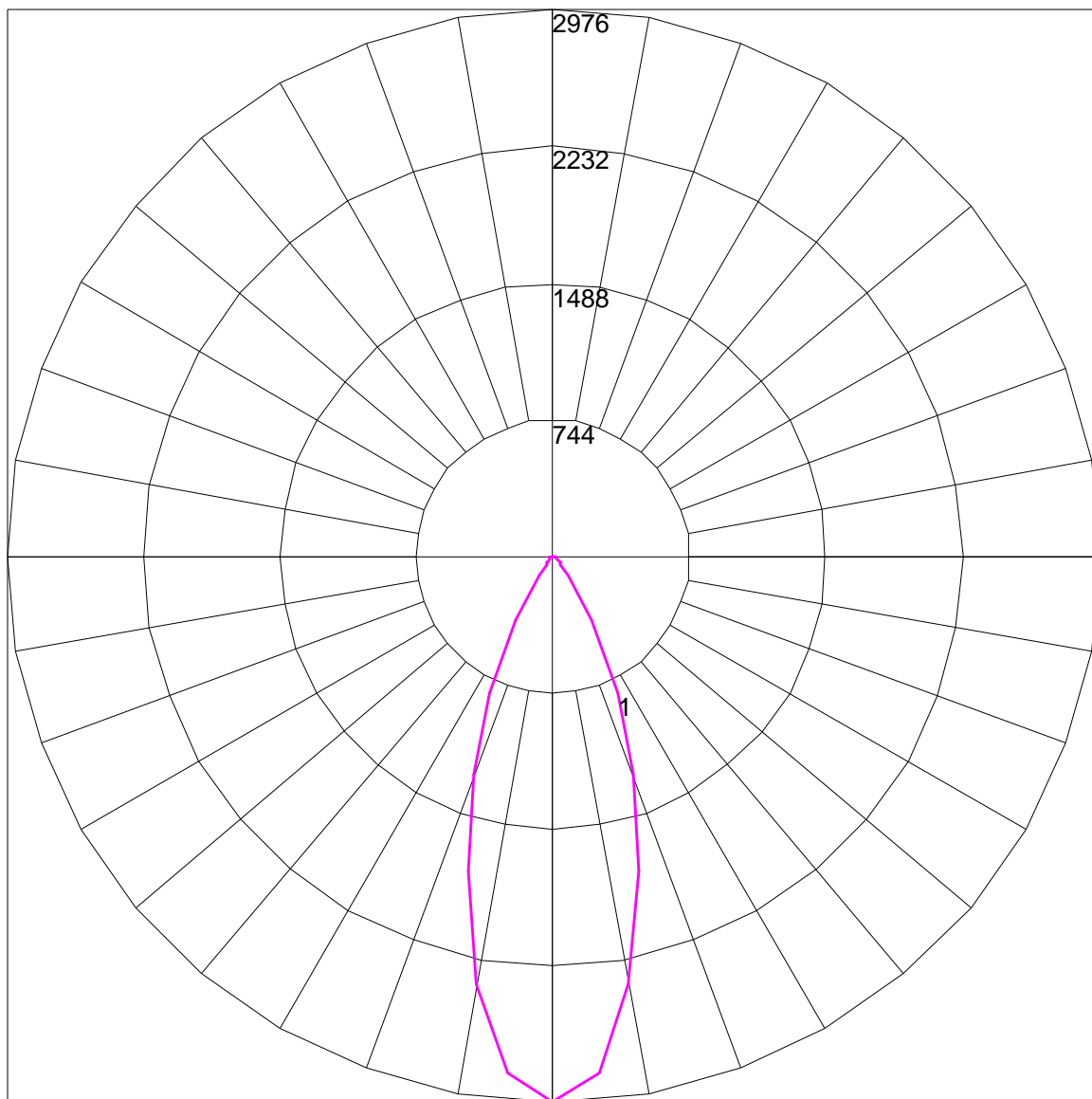
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	109	107	112	109	107	105	105	104	102	102	100	99	98	97	96	94
2	109	105	101	98	107	103	99	97	100	97	95	97	94	93	94	92	91	89
3	104	98	94	90	102	97	93	90	94	91	88	92	89	87	90	88	85	84
4	100	93	88	84	98	92	87	84	90	86	83	88	84	82	86	83	81	79
5	95	88	83	79	94	87	82	79	85	81	78	84	80	77	82	79	77	75
6	91	84	78	74	90	83	78	74	81	77	74	80	76	73	79	75	73	71
7	88	80	74	70	87	79	74	70	78	73	70	77	72	70	75	72	69	68
8	84	76	71	67	83	75	70	67	74	70	66	73	69	66	72	69	66	65
9	81	72	67	64	80	72	67	64	71	67	63	70	66	63	69	66	63	62
10	78	69	64	61	77	69	64	61	68	64	61	67	63	60	67	63	60	59

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POLAR GRAPH



Maximum Candela = 2975.785 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)