

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP-00545_23 ~ SS3MX-XT10LE1-SD3X-XXK-WDMWGL.IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] SP-00545_23_M-10L
 [TESTLAB] VLS-245-981
 [MANUFAC] Spectrum Lighting
 [ISSUEDATE] 2/16/2017
 [UPDATE] 5/8/2017
 [LUMCAT] SS3Mx-XT10L-E1-SD3x-WD-MW-GL
 [LUMINAIRE] Nominal 3" Square Downlight, Wide 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	785
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	71
Total Luminaire Watts	11.1
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.76
Spacing Criterion (90-270)	0.74
Spacing Criterion (Diagonal)	0.82
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_23 ~ SS3MX-XT10LE1-SD3X-XXK-WDMWGL.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	3199	7378	3090
55	2540	2916	2575
65	2768	2600	3234
75	3842	3401	4097
85	927	1209	795

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00545_23 ~ SS3MX-XT10LE1-SD3X-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	1096.986	1096.986	1096.986	1096.986	1096.986
5	1078.539	1080.751	1073.323	1064.030	1069.558
10	1006.091	1018.453	1013.439	995.161	982.509
15	859.401	889.984	898.355	866.927	834.986
20	695.778	735.111	737.803	698.618	652.921
25	497.998	561.169	578.663	511.329	447.890
30	310.838	373.013	420.792	330.428	269.570
35	172.355	211.324	259.750	184.790	157.144
40	63.926	109.071	127.038	98.656	52.618
45	20.539	25.539	47.379	23.992	19.843
50	16.716	15.447	17.312	16.591	16.092
55	13.232	14.546	15.189	14.488	13.414
60	11.854	12.313	11.725	13.110	12.700
65	10.625	10.874	9.979	11.692	12.410
70	11.195	11.013	9.548	10.730	12.118
75	9.029	9.008	7.993	8.593	9.630
80	3.787	4.472	4.615	4.174	3.381
85	0.734	1.010	0.957	0.747	0.629
90	0.556	0.638	0.522	0.366	0.497

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Zone	Lumens	%Lamp	%Fixt
0-20	342.67	N.A.	43.60
0-30	584.93	N.A.	74.50
0-40	717.84	N.A.	91.40
0-60	763.57	N.A.	97.30
0-80	783.31	N.A.	99.80
0-90	785.06	N.A.	100.00
10-90	684.77	N.A.	87.20
20-40	375.17	N.A.	47.80
20-50	408.02	N.A.	52.00
40-70	56.92	N.A.	7.30
60-80	19.74	N.A.	2.50
70-80	8.55	N.A.	1.10
80-90	1.75	N.A.	0.20
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	785.06	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	100.29
10-20	242.37
20-30	242.27
30-40	132.90
40-50	32.85
50-60	12.88
60-70	11.19
70-80	8.55
80-90	1.75
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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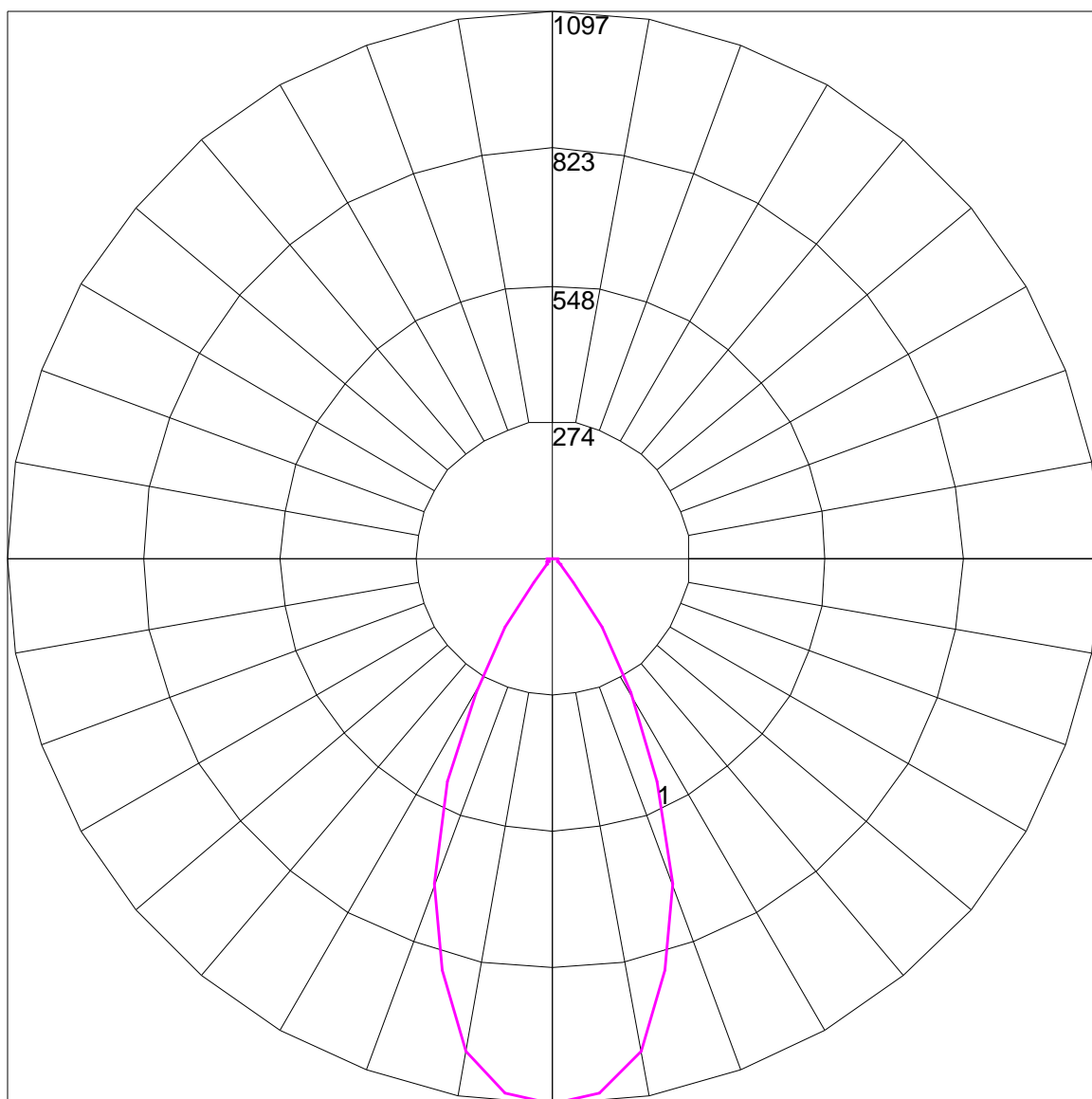
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	113	111	108	106	111	108	106	104	104	102	101	101	99	98	97	96	95	93
2	108	103	99	95	106	101	97	94	98	95	92	95	92	90	92	90	88	87
3	102	96	91	87	100	95	90	86	92	88	85	90	86	84	87	85	82	81
4	97	90	84	80	96	89	84	80	87	82	79	85	81	78	83	80	77	75
5	93	84	79	74	91	84	78	74	82	77	73	80	76	73	79	75	72	71
6	88	80	74	69	87	79	73	69	77	72	69	76	72	68	75	71	68	66
7	84	75	69	65	83	74	69	65	73	68	65	72	68	64	71	67	64	63
8	80	71	65	61	79	71	65	61	69	64	61	68	64	61	67	63	60	59
9	77	67	62	58	76	67	61	58	66	61	58	65	61	57	64	60	57	56
10	73	64	58	55	72	64	58	55	63	58	54	62	58	54	61	57	54	53

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POLAR GRAPH



Maximum Candela = 1096.986 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)