

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP-00545_22 ~ SS3MX-XT20LE1-SD3X-XXK-WDMWSO.IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] SP-00545_22
 [TESTLAB] VLS-245-981
 [MANUFAC] Spectrum Lighting
 [ISSUEDATE] 2/17/2017
 [UPDATE] 5/8/2017
 [LUMCAT] SS3Mx-XT20L-E1-SD3x-WD-MW-SO
 [LUMINAIRE] Nom. 3" Square Downlight, Wide Beam
 [OTHER] Matte White Trim, Solite Lens
 [OTHER] 48.8 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: 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

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1651
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	70
Total Luminaire Watts	23.7
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.74
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_22 ~ SS3MX-XT20LE1-SD3X-XXK-WDMWSO.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	11917	20772	11171
55	7788	8666	7809
65	8858	7061	7851
75	6668	5837	4318
85	1597	1706	1773

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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	2252.032	2252.032	2252.032	2252.032	2252.032
5	2193.683	2201.289	2197.814	2190.788	2202.613
10	2025.678	2064.650	2059.629	2035.648	2027.547
15	1745.996	1816.599	1821.301	1772.098	1731.840
20	1377.155	1479.992	1505.219	1444.757	1364.909
25	971.841	1102.864	1174.962	1069.721	965.498
30	610.664	739.049	839.582	708.347	606.368
35	351.264	441.475	524.990	410.825	332.531
40	169.190	230.319	280.124	203.601	143.709
45	76.522	108.235	133.380	94.370	71.729
50	49.170	59.657	69.429	56.401	47.438
55	40.567	44.839	45.138	43.793	40.676
60	38.976	38.097	36.777	37.014	35.116
65	33.995	32.648	27.098	29.487	30.129
70	25.105	23.808	20.286	21.481	19.788
75	15.673	16.018	13.720	12.467	10.148
80	6.730	7.679	6.701	5.794	4.515
85	1.264	2.205	1.350	1.969	1.403
90	1.233	1.471	1.597	1.061	1.082

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Zone	Lumens	%Lamp	%Fixt
0-20	699.23	N.A.	42.40
0-30	1192.67	N.A.	72.30
0-40	1470.57	N.A.	89.10
0-60	1603.25	N.A.	97.10
0-80	1647.69	N.A.	99.80
0-90	1650.74	N.A.	100.00
10-90	1445.75	N.A.	87.60
20-40	771.34	N.A.	46.70
20-50	863.15	N.A.	52.30
40-70	162.35	N.A.	9.80
60-80	44.44	N.A.	2.70
70-80	14.77	N.A.	0.90
80-90	3.05	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	1650.74	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	205.00
10-20	494.24
20-30	493.44
30-40	277.90
40-50	91.81
50-60	40.87
60-70	29.67
70-80	14.77
80-90	3.05
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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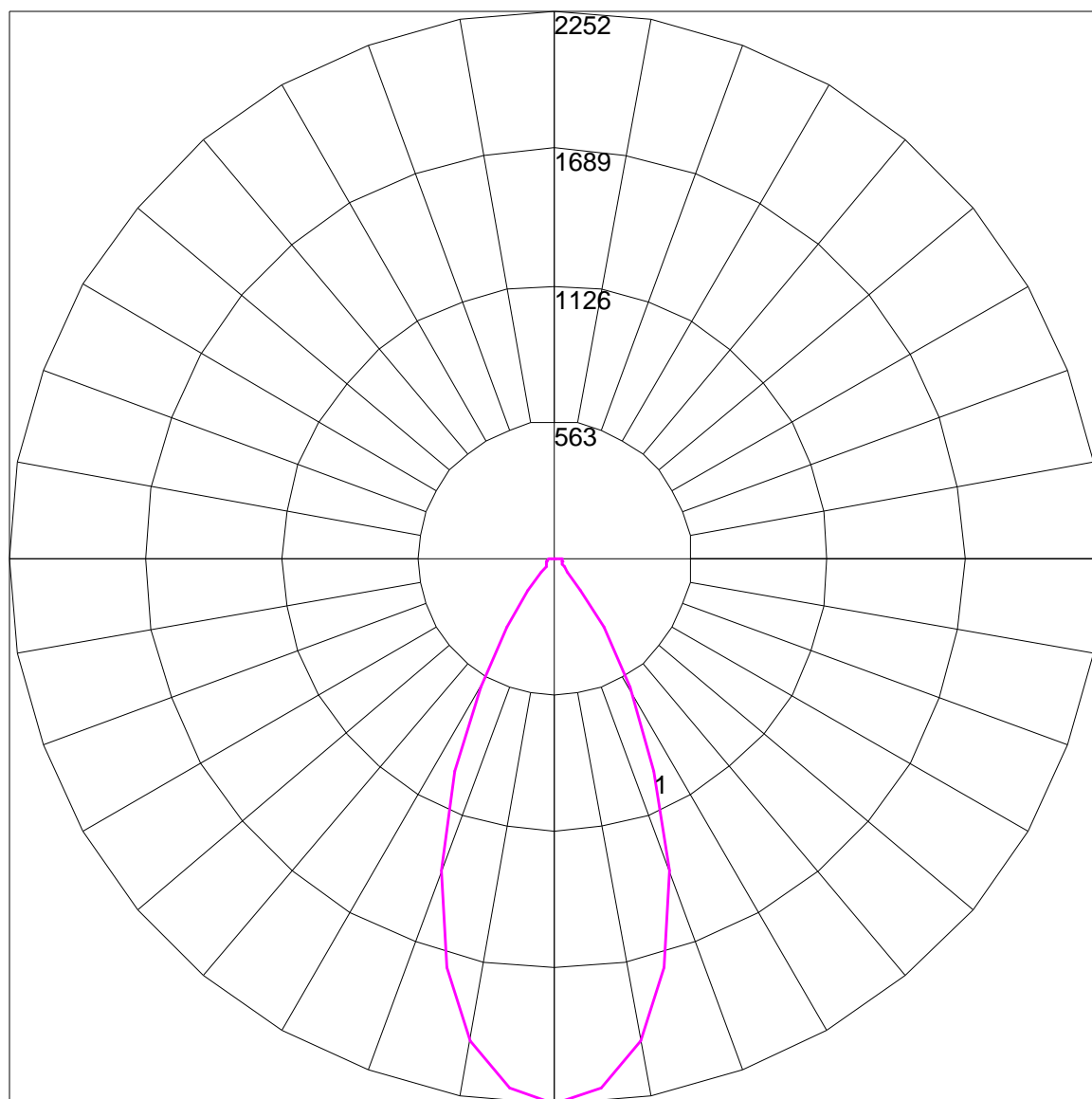
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	110	108	105	111	108	106	104	104	102	101	100	99	98	97	96	95	93
2	107	102	98	95	105	101	97	94	97	94	92	94	92	90	92	90	88	86
3	102	95	90	86	100	94	89	86	91	87	84	89	86	83	87	84	82	80
4	97	89	84	79	95	88	83	79	86	81	78	84	80	77	82	79	76	75
5	92	84	78	73	90	83	77	73	81	76	72	79	75	72	78	74	71	70
6	88	79	73	68	86	78	72	68	76	71	68	75	71	67	74	70	67	65
7	83	74	68	64	82	73	68	64	72	67	63	71	66	63	70	66	63	61
8	80	70	64	60	78	70	64	60	68	63	60	67	63	59	66	62	59	58
9	76	66	61	57	75	66	60	56	65	60	56	64	59	56	63	59	56	55
10	73	63	57	53	72	63	57	53	62	57	53	61	56	53	60	56	53	52

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POLAR GRAPH



Maximum Candela = 2252.032 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)