

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP-00545_23 ~ SS3MX-XT30LE1-SD3X-XXK-WDMWGL.IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] SP-00545_23_M-30L
 [TESTLAB] VLS-245-981
 [MANUFAC] Spectrum Lighting
 [ISSUE DATE] 2/16/2017
 [UPDATE] 4/13/2017
 [LUMCAT] SS3MRx-XT30L-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 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	2441
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	71
Total Luminaire Watts	34.6
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-XT30LE1-SD3X-XXK-WDMWGL.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	9944	22938	9607
55	7898	9066	8006
65	8607	8083	10053
75	11942	10572	12737
85	2885	3758	2469

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00545_23 ~ SS3MX-XT30LE1-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	3410.321	3410.320	3410.320	3410.320	3410.320
5	3352.972	3359.849	3336.756	3307.865	3325.052
10	3127.743	3166.175	3150.586	3093.764	3054.432
15	2671.713	2766.789	2792.814	2695.108	2595.811
20	2163.042	2285.320	2293.689	2171.868	2029.807
25	1548.180	1744.568	1798.953	1589.623	1392.405
30	966.336	1159.624	1308.160	1027.237	838.043
35	535.818	656.967	807.511	574.477	488.532
40	198.735	339.079	394.937	306.702	163.578
45	63.852	79.395	147.292	74.586	61.688
50	51.968	48.023	53.820	51.579	50.028
55	41.136	45.222	47.220	45.039	41.702
60	36.852	38.280	36.452	40.758	39.481
65	33.032	33.806	31.023	36.349	38.581
70	34.803	34.236	29.683	33.357	37.674
75	28.068	28.005	24.848	26.715	29.937
80	11.774	13.902	14.346	12.976	10.511
85	2.283	3.141	2.974	2.322	1.954
90	1.730	1.984	1.623	1.139	1.545

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00545_23 ~ SS3MX-XT30LE1-SD3X-XXK-WDMWGL.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	1065.29	N.A.	43.60
0-30	1818.45	N.A.	74.50
0-40	2231.62	N.A.	91.40
0-60	2373.8	N.A.	97.30
0-80	2435.17	N.A.	99.80
0-90	2440.61	N.A.	100.00
10-90	2128.82	N.A.	87.20
20-40	1166.33	N.A.	47.80
20-50	1268.46	N.A.	52.00
40-70	176.97	N.A.	7.30
60-80	61.37	N.A.	2.50
70-80	26.58	N.A.	1.10
80-90	5.43	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	2440.61	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	311.79
10-20	753.50
20-30	753.16
30-40	413.17
40-50	102.13
50-60	40.05
60-70	34.79
70-80	26.58
80-90	5.43
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

IES INDOOR REPORT

PHOTOMETRIC FILENAME : SP-00545_23 ~ SS3MX-XT30LE1-SD3X-XXK-WDMWGL.IES

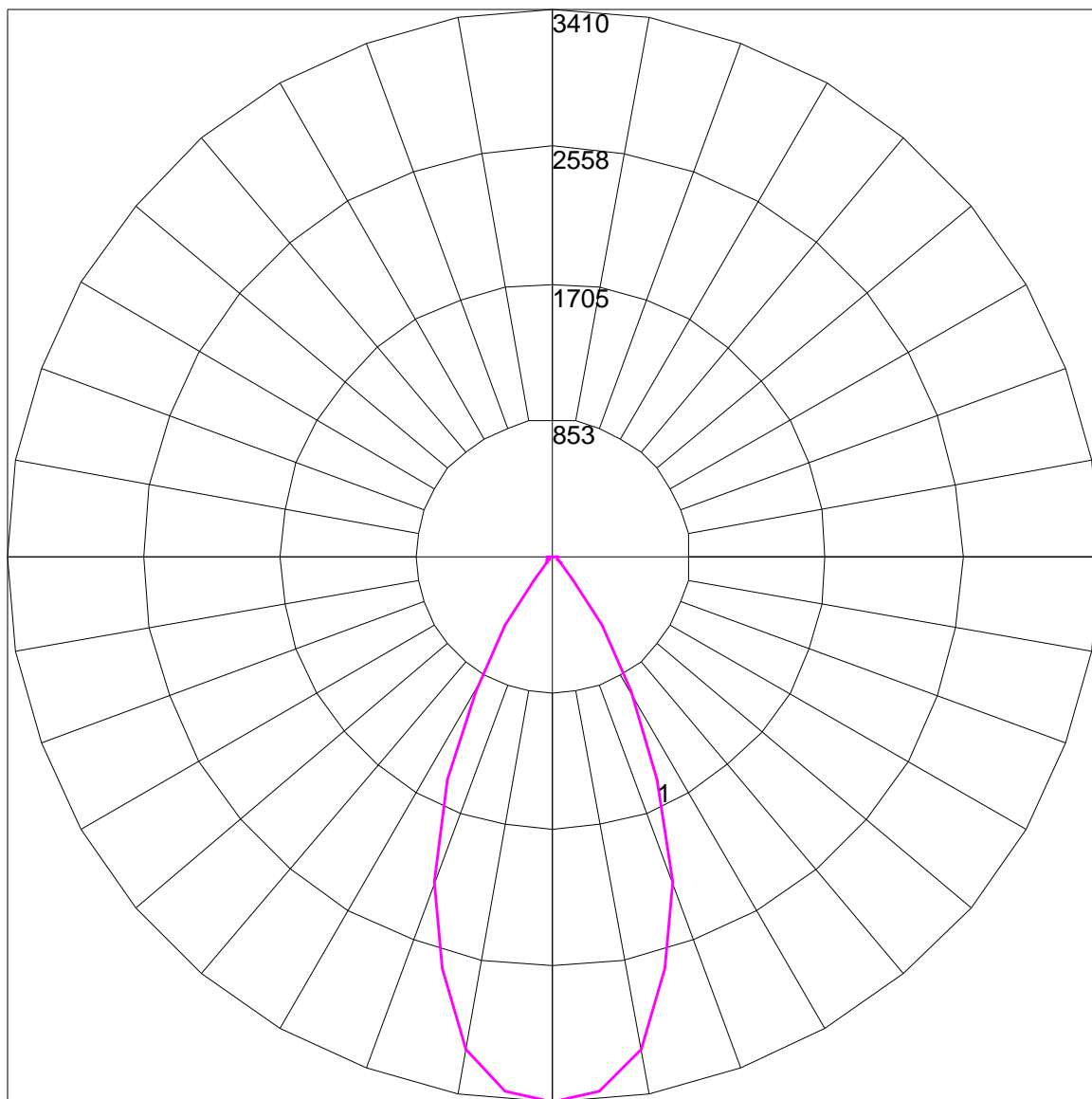
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	106	111	108	106	104	104	102	101	101	99	98	97	96	95	93
2	108	103	99	95	105	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	57	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

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP-00545_23 ~ SS3MX-XT30LE1-SD3X-XXK-WDMWGL.IES

POLAR GRAPH



Maximum Candela = 3410.321 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)