

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP-00545_21 ~ SS3MX-XT20LE1-SD3X-XXK-WDMWNL.IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] SP-00545_21
 [TESTLAB] VLS-245-981
 [MANUFAC] Spectrum Lighting
 [ISSUEDATE] 2/24/2017
 [UPDATE] 5/9/2017
 [LUMCAT] SS3Mx-XT20L-E1-SD3x-WD-MW-NL
 [LUMINAIRE] Nom. 3" Square Downlight, Wide Beam
 [OTHER] Matte White Trim, No Lens
 [OTHER] 50.3 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	1854
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	78
Total Luminaire Watts	23.7
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.78
Spacing Criterion (90-270)	0.78
Spacing Criterion (Diagonal)	0.86
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_21 ~ SS3MX-XT20LE1-SD3X-XXK-WDMWNL.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	3936	20861	3936
55	4324	3291	4324
65	4645	3474	4645
75	8249	6639	8249
85	1842	4130	1842

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00545_21 ~ SS3MX-XT20LE1-SD3X-XXK-WDMWNL.IES****CANDELA TABULATION**

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0	2464.240	2464.240	2464.240	2464.240	2464.240
5	2424.404	2434.499	2437.450	2434.499	2424.404
10	2275.406	2306.866	2317.422	2306.866	2275.406
15	1969.984	2040.612	2087.310	2040.612	1969.984
20	1607.973	1684.779	1749.284	1684.779	1607.973
25	1168.826	1305.451	1376.270	1305.451	1168.826
30	739.326	889.862	1038.783	889.862	739.326
35	409.549	512.723	678.138	512.723	409.549
40	165.486	252.849	350.126	252.849	165.486
45	25.277	48.942	133.955	48.942	25.277
50	22.676	21.378	28.329	21.378	22.676
55	22.524	21.511	17.142	21.511	22.524
60	21.974	22.289	15.375	22.289	21.974
65	17.827	18.308	13.332	18.308	17.827
70	20.387	17.797	14.113	17.797	20.387
75	19.389	16.204	15.605	16.204	19.389
80	13.132	13.530	12.372	13.530	13.132
85	1.458	2.169	3.269	2.169	1.458
90	0.000	0.000	0.000	0.000	0.000

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00545_21 ~ SS3MX-XT20LE1-SD3X-XXK-WDMWNL.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	791.41	N.A.	42.70
0-30	1378.66	N.A.	74.40
0-40	1718.18	N.A.	92.70
0-60	1814.18	N.A.	97.90
0-80	1849.02	N.A.	99.70
0-90	1853.83	N.A.	100.00
10-90	1625.92	N.A.	87.70
20-40	926.77	N.A.	50.00
20-50	1003.67	N.A.	54.10
40-70	113.83	N.A.	6.10
60-80	34.84	N.A.	1.90
70-80	17.01	N.A.	0.90
80-90	4.81	N.A.	0.30
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	1853.83	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	227.90
10-20	563.50
20-30	587.26
30-40	339.51
40-50	76.90
50-60	19.10
60-70	17.83
70-80	17.01
80-90	4.81
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_21 ~ SS3MX-XT20LE1-SD3X-XXK-WDMWNL.IES

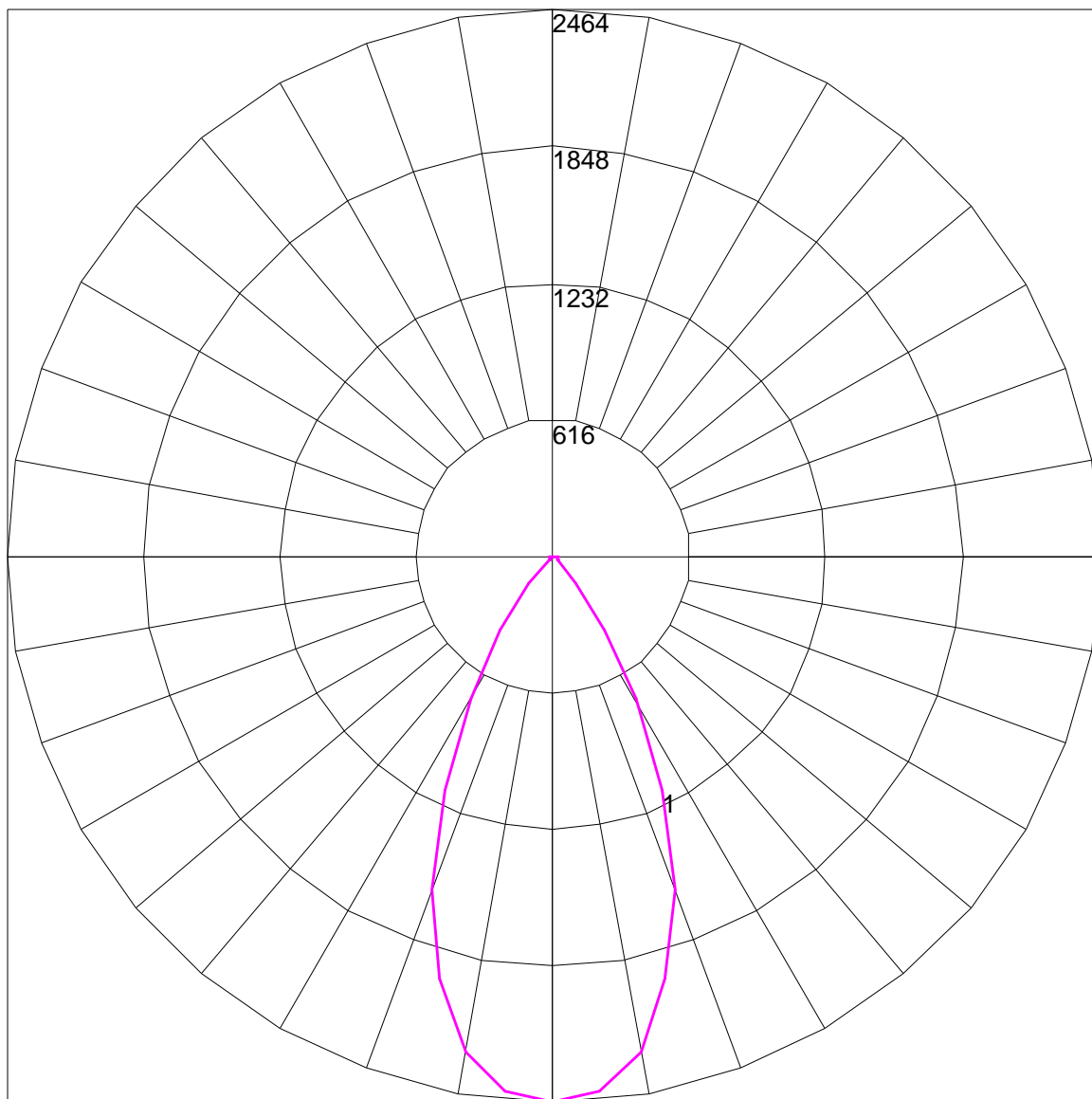
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	111	108	106	111	108	106	104	104	103	101	101	99	98	97	96	95	93
2	108	103	99	95	106	101	98	94	98	95	92	95	93	90	92	90	88	87
3	103	96	91	87	101	95	90	87	92	88	85	90	87	84	87	85	83	81
4	98	90	85	80	96	89	84	80	87	82	79	85	81	78	83	80	77	76
5	93	85	79	75	91	84	78	74	82	77	74	80	76	73	79	75	72	71
6	88	80	74	70	87	79	73	69	77	73	69	76	72	68	75	71	68	67
7	84	75	69	65	83	75	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	68	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	57	54	61	57	54	53

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP-00545_21 ~ SS3MX-XT20LE1-SD3X-XXK-WDMWNL.IES

POLAR GRAPH



Maximum Candela = 2464.24 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)