

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP-00545_21 ~ SS3MX-XT30LE1-SD3X-XXK-WDMWNL.IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] SP-00545_21_M-30L
 [TESTLAB] VLS-245-981
 [MANUFAC] Spectrum Lighting
 [ISSUEDATE] 2/24/2017
 [UPDATE] 5/9/2017
 [LUMCAT] SS3Mx-XT30L-E1-SD3F-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 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	2781
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	80
Total Luminaire Watts	34.6
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-XT30LE1-SD3X-XXK-WDMWNL.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	5905	31292	5905
55	6486	4937	6486
65	6968	5211	6968
75	12374	9959	12374
85	2763	6196	2763

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00545_21 ~ SS3MX-XT30LE1-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	3696.360	3696.360	3696.360	3696.360	3696.360
5	3636.606	3651.749	3656.175	3651.749	3636.606
10	3413.109	3460.299	3476.133	3460.299	3413.109
15	2954.976	3060.918	3130.965	3060.918	2954.976
20	2411.959	2527.169	2623.926	2527.169	2411.959
25	1753.239	1958.177	2064.405	1958.177	1753.239
30	1108.989	1334.793	1558.175	1334.793	1108.989
35	614.323	769.085	1017.207	769.085	614.323
40	248.229	379.274	525.189	379.274	248.229
45	37.916	73.413	200.933	73.413	37.916
50	34.014	32.067	42.493	32.067	34.014
55	33.786	32.267	25.713	32.267	33.786
60	32.961	33.434	23.063	33.434	32.961
65	26.741	27.462	19.998	27.462	26.741
70	30.581	26.695	21.169	26.695	30.581
75	29.084	24.306	23.407	24.306	29.084
80	19.698	20.295	18.558	20.295	19.698
85	2.187	3.253	4.904	3.253	2.187
90	0.000	0.000	0.000	0.000	0.000

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Zone	Lumens	%Lamp	%Fixt
0-20	1187.11	N.A.	42.70
0-30	2068.00	N.A.	74.40
0-40	2577.26	N.A.	92.70
0-60	2721.28	N.A.	97.90
0-80	2773.53	N.A.	99.70
0-90	2780.74	N.A.	100.00
10-90	2438.88	N.A.	87.70
20-40	1390.15	N.A.	50.00
20-50	1505.51	N.A.	54.10
40-70	170.75	N.A.	6.10
60-80	52.25	N.A.	1.90
70-80	25.51	N.A.	0.90
80-90	7.21	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	2780.74	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	341.86
10-20	845.25
20-30	880.89
30-40	509.27
40-50	115.35
50-60	28.66
60-70	26.74
70-80	25.51
80-90	7.21
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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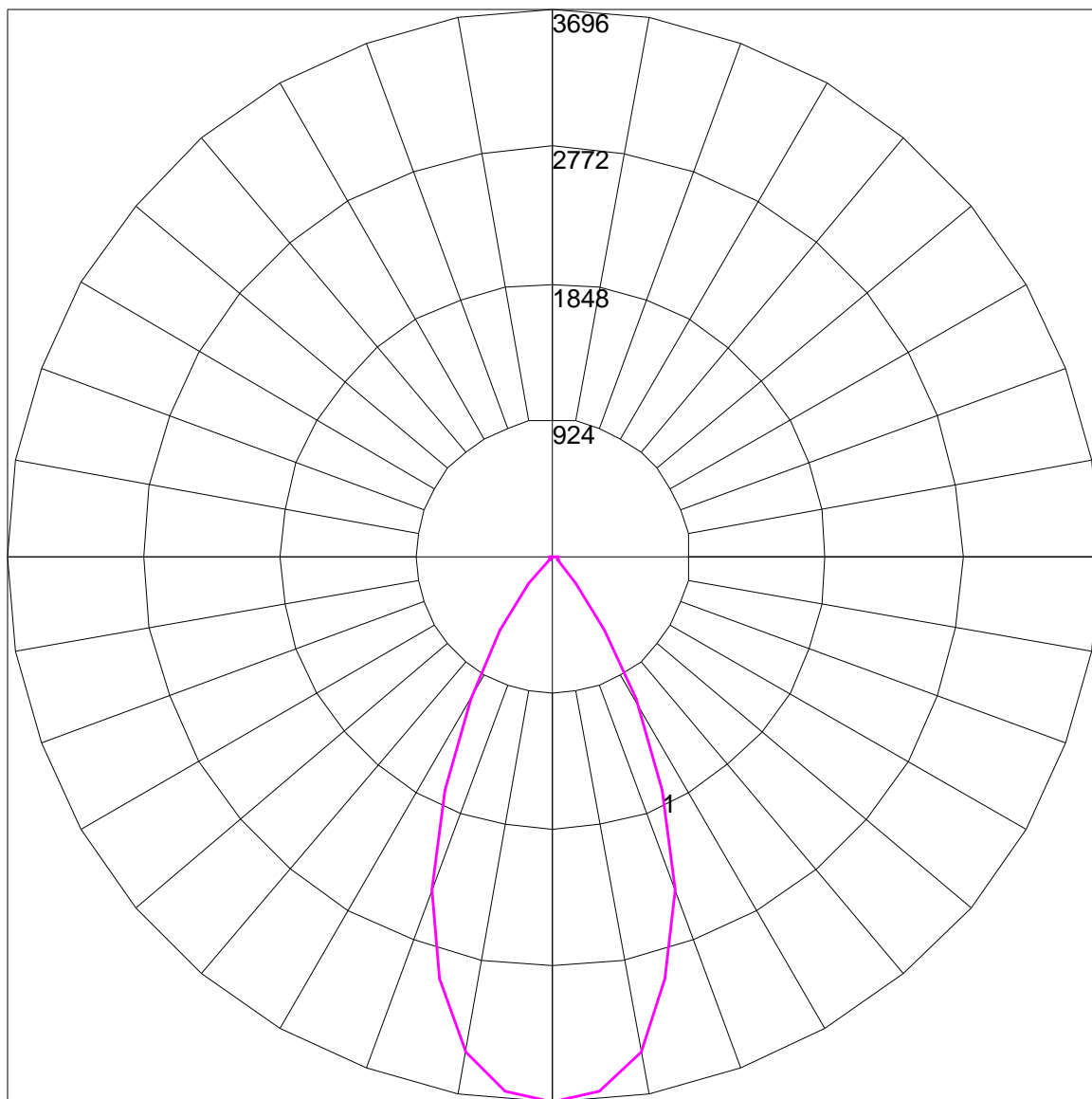
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	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

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POLAR GRAPH



Maximum Candela = 3696.36 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)