

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00545_17 ~ SS3MX-XT30LE1-SD3X-XXK-NDMWGL.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002
[TEST] SP-00545_17_M-30L
[TESTLAB] VLS-245-981
[MANUFAC] Spectrum Lighting
[ISSUEDATE] 2/17/2017
[UPDATE] 5/8/2017
[LUMCAT] SS3Mx-XT30L-E1-SD3x-ND-MW-GL
[LUMINAIRE] Nom. 3" Square Downlight, Narrow Beam
[OTHER] Matte White Trim, Clear Glass Lens
[OTHER] 26.9 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	1831
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	53
Total Luminaire Watts	34.6
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.46
Spacing Criterion (90-270)	0.46
Spacing Criterion (Diagonal)	0.50
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	0.31 ft
Luminous Width (90-270)	0.31 ft
Luminous Height	0.00 ft

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Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	10817	13781	11557
55	12720	18826	13021
65	18162	12887	16964
75	3432	4063	3442
85	3605	3651	2759

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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	4939.622	4939.622	4939.622	4939.622	4939.622
5	4662.282	4600.377	4618.860	4640.295	4679.583
10	3402.091	3347.568	3362.844	3393.548	3415.329
15	2121.470	2093.226	1996.293	2037.129	2139.084
20	1426.716	1427.465	1410.313	1432.623	1435.754
25	830.937	934.433	1036.793	1017.295	839.499
30	383.907	477.792	730.998	587.090	386.596
35	119.808	155.529	375.630	217.962	119.835
40	79.416	81.374	128.685	85.746	82.332
45	69.460	73.079	88.493	77.014	74.210
50	72.336	85.818	101.603	87.033	77.404
55	66.257	78.659	98.059	86.168	67.820
60	89.323	92.441	94.335	92.925	88.926
65	69.701	58.815	49.459	58.236	65.106
70	26.283	21.962	19.851	19.521	24.157
75	8.067	9.989	9.550	9.293	8.091
80	8.572	7.463	7.512	8.053	10.709
85	2.853	1.780	2.890	2.160	2.184
90	0.000	0.000	0.000	0.000	0.000

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Zone	Lumens	%Lamp	%Fixt
0-20	1011.44	N.A.	55.20
0-30	1451.18	N.A.	79.30
0-40	1615.42	N.A.	88.20
0-60	1757.85	N.A.	96.00
0-80	1827.49	N.A.	99.80
0-90	1830.99	N.A.	100.00
10-90	1429.99	N.A.	78.10
20-40	603.98	N.A.	33.00
20-50	669.11	N.A.	36.50
40-70	199.35	N.A.	10.90
60-80	69.64	N.A.	3.80
70-80	12.72	N.A.	0.70
80-90	3.49	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	1830.99	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	401.00
10-20	610.43
20-30	439.74
30-40	164.24
40-50	65.13
50-60	77.30
60-70	56.92
70-80	12.72
80-90	3.49
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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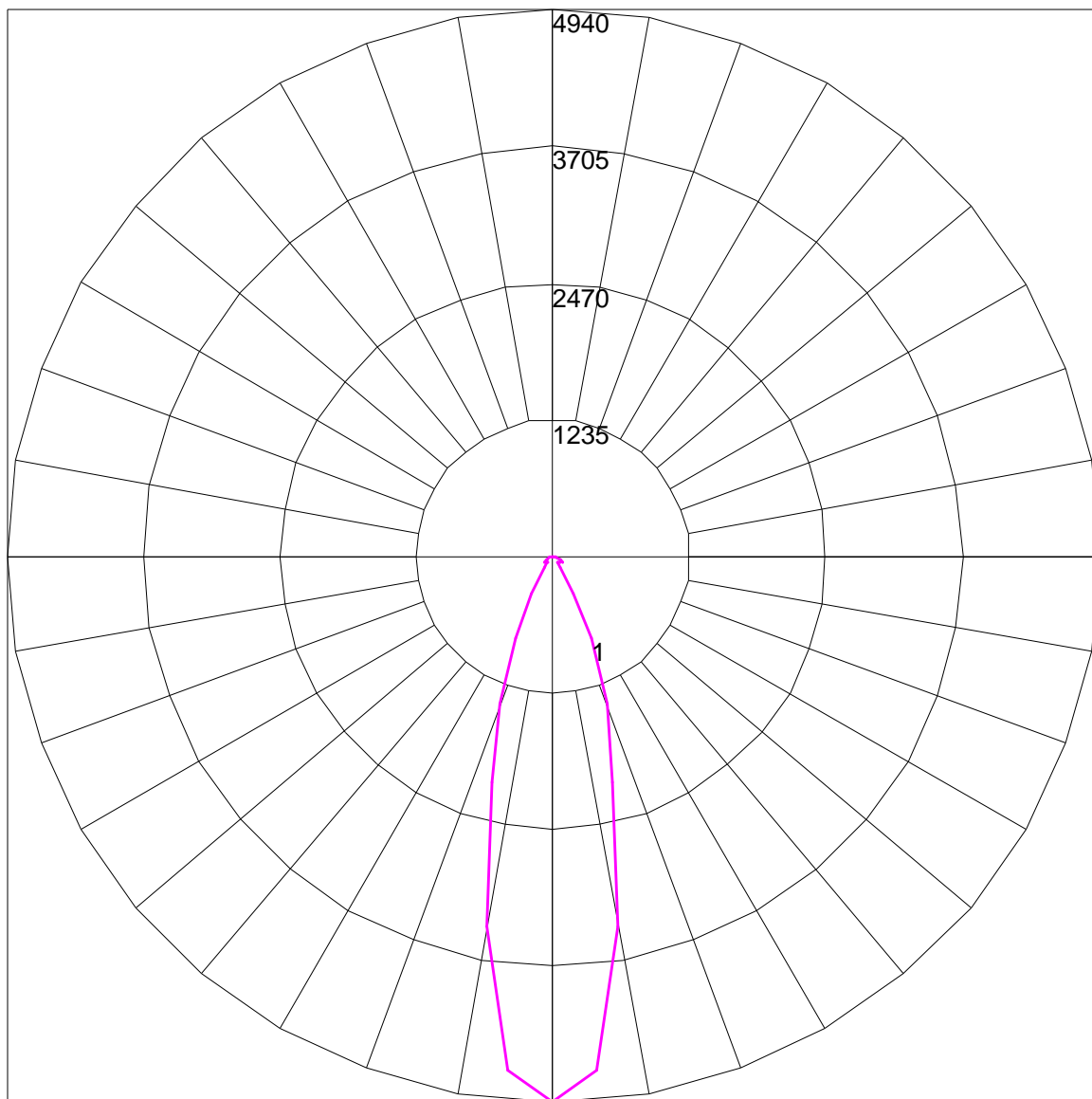
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	114	111	108	106	111	109	107	105	105	103	101	101	100	98	98	96	95	94
2	108	103	100	96	106	102	98	95	99	96	93	96	93	91	93	91	89	88
3	103	97	92	88	101	96	91	88	93	89	86	91	88	85	88	86	84	82
4	99	91	86	82	97	90	85	82	88	84	81	86	83	80	84	81	79	77
5	94	87	81	77	93	86	81	77	84	79	76	82	78	75	81	77	75	73
6	90	82	77	73	89	81	76	72	80	75	72	79	75	72	77	74	71	70
7	87	78	73	69	86	78	72	69	76	72	68	75	71	68	74	71	68	66
8	83	75	69	66	82	74	69	66	73	69	65	72	68	65	71	68	65	64
9	80	72	66	63	79	71	66	63	70	66	62	69	65	62	69	65	62	61
10	77	69	64	60	77	68	63	60	68	63	60	67	63	60	66	62	60	58

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POLAR GRAPH



Maximum Candela = 4939.622 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)