

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00545_16 ~ SS3MX-XT30LE1-SD3X-XXK-NDMWSO.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002
[TEST] SP-00545_16_M-30L
[TESTLAB] VLS-245-981
[MANUFAC] Spectrum Lighting
[ISSUE DATE] 2/17/2017
[UPDATE] 5/8/2017
[LUMCAT] SS3Mx-XT30L-E1-SD3x-ND-MW-SO
[LUMINAIRE] Nom. 3" Square Downlight, Narrow Beam
[OTHER] Matte White Trim, Solite Lens
[OTHER] 27.6 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	1883
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	54
Total Luminaire Watts	34.6
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.48
Spacing Criterion (90-270)	0.48
Spacing Criterion (Diagonal)	0.52
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	13612	17372	13639
55	14992	19137	16319
65	14518	13480	13932
75	9807	8853	8578
85	4681	2891	3166

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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	4821.803	4821.802	4821.802	4821.802	4821.802
5	4485.795	4495.905	4502.261	4480.977	4474.332
10	3402.258	3359.557	3328.758	3319.753	3334.606
15	2212.073	2155.254	2108.820	2151.324	2202.269
20	1456.324	1459.781	1451.710	1459.516	1436.021
25	866.379	956.196	1054.596	978.601	856.488
30	429.777	535.181	697.428	547.236	416.835
35	183.847	231.333	367.096	244.113	182.472
40	105.180	117.591	168.314	122.754	104.427
45	87.406	94.879	111.553	92.019	87.582
50	85.104	93.787	105.744	94.001	85.597
55	78.088	88.515	99.678	92.615	85.001
60	74.145	77.329	75.986	73.582	71.441
65	55.716	57.041	51.733	53.406	53.469
70	37.509	37.686	31.733	34.104	34.134
75	23.049	20.192	20.808	21.116	20.162
80	10.672	9.723	9.916	9.181	8.786
85	3.705	2.988	2.288	2.667	2.506
90	0.000	0.000	0.000	0.000	0.000

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Zone	Lumens	%Lamp	%Fixt
0-20	1015.31	N.A.	53.90
0-30	1460.35	N.A.	77.60
0-40	1643.41	N.A.	87.30
0-60	1802.23	N.A.	95.70
0-80	1878.92	N.A.	99.80
0-90	1883.04	N.A.	100.00
10-90	1491.48	N.A.	79.20
20-40	628.10	N.A.	33.40
20-50	708.37	N.A.	37.60
40-70	212.75	N.A.	11.30
60-80	76.69	N.A.	4.10
70-80	22.76	N.A.	1.20
80-90	4.13	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	1883.04	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	391.56
10-20	623.75
20-30	445.03
30-40	183.07
40-50	80.27
50-60	78.55
60-70	53.93
70-80	22.76
80-90	4.13
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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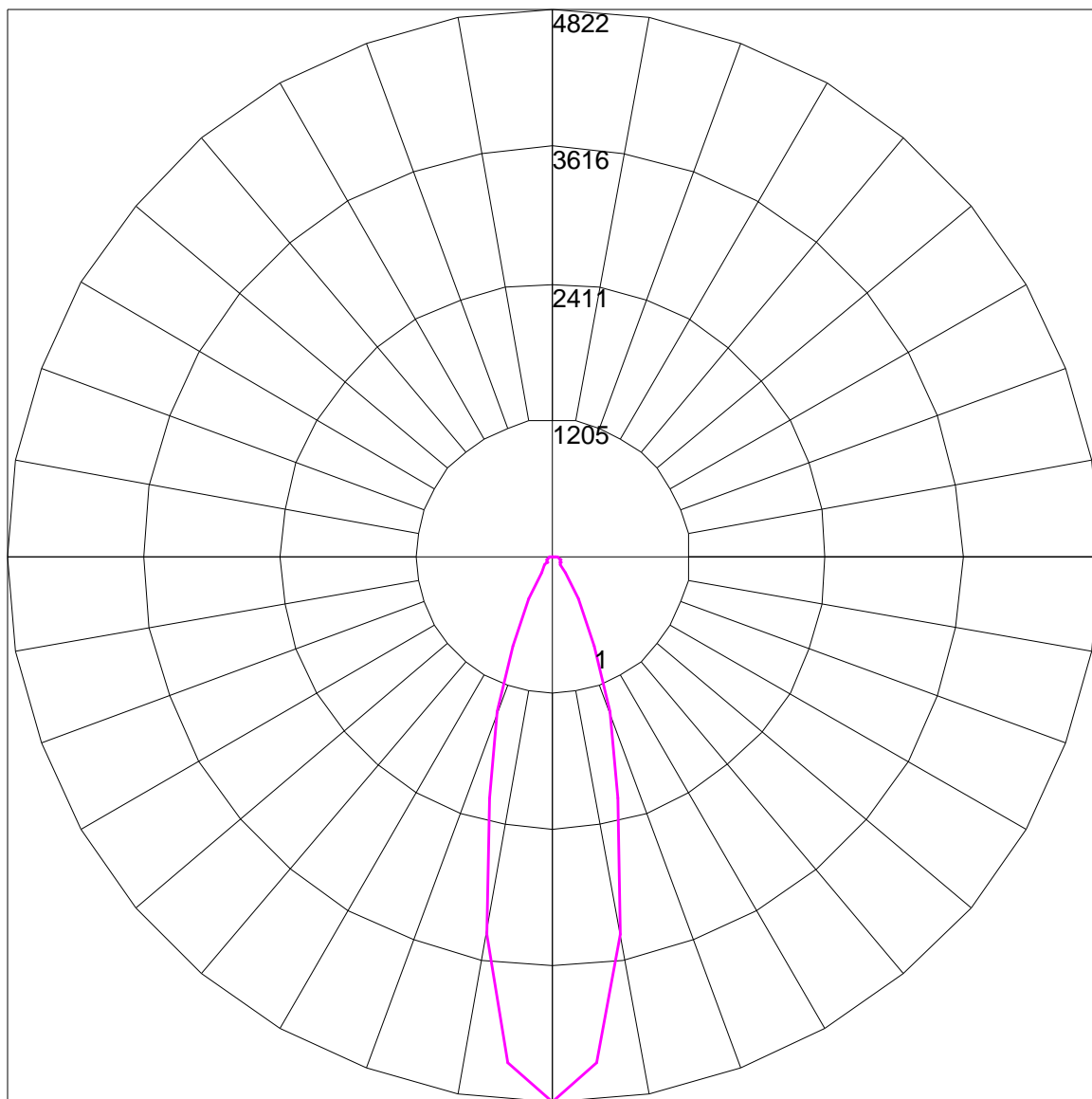
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	96	106	101	98	95	98	95	93	95	93	91	92	90	89	87
3	103	97	92	88	101	95	91	87	93	89	86	90	87	84	88	85	83	82
4	98	91	86	81	96	90	85	81	88	83	80	86	82	79	84	81	78	77
5	94	86	80	76	92	85	80	76	83	79	75	82	78	75	80	77	74	72
6	90	81	76	72	88	81	75	72	79	75	71	78	74	71	77	73	70	69
7	86	77	72	68	85	77	72	68	76	71	67	74	70	67	73	70	67	65
8	83	74	68	65	82	73	68	65	72	68	64	71	67	64	70	67	64	62
9	80	71	65	62	79	70	65	62	69	65	61	69	64	61	68	64	61	60
10	77	68	63	59	76	67	62	59	67	62	59	66	62	59	65	61	58	57

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POLAR GRAPH



Maximum Candela = 4821.803 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)