

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00545_18 ~ SS3MX-XT30LE1-SD3X-XXK-MDMWNL.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002
[TEST] SP-00545_18_M-30L
[TESTLAB] VLS-245-981
[MANUFAC] Spectrum Lighting
[ISSUE DATE] 2/24/2017
[UPDATE] 5/8/2017
[LUMCAT] SS3Mx-XT30L-E1-SD3F-MD-MW-NL
[LUMINAIRE] Nom. 3" Square Downlight, Medium Beam
[OTHER] Matte White Trim, No Lens
[OTHER] 42.6 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	2361
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	68
Total Luminaire Watts	34.6
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.68
Spacing Criterion (90-270)	0.68
Spacing Criterion (Diagonal)	0.70
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_18 ~ SS3MX-XT30LE1-SD3X-XXK-MDMWNL.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	9582	10192	9792
55	7407	6911	6725
65	4173	2138	3015
75	2056	1878	1914
85	3310	3070	2958

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00545_18 ~ SS3MX-XT30LE1-SD3X-XXK-MDMWNL.IES****CANDELA TABULATION**

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0	4584.512	4584.511	4584.511	4584.511	4584.511
5	4428.310	4473.834	4492.757	4476.919	4456.832
10	3924.000	4001.073	4001.523	4007.524	4001.781
15	3192.465	3284.749	3318.426	3253.229	3210.402
20	2418.123	2505.702	2498.206	2480.102	2423.091
25	1490.157	1649.634	1735.626	1644.090	1499.909
30	559.784	773.678	1036.353	762.159	596.271
35	124.695	225.360	448.387	170.937	105.846
40	70.491	67.464	150.392	73.954	77.147
45	61.527	56.294	65.444	61.608	62.880
50	51.455	49.453	51.255	48.954	49.967
55	38.581	35.589	35.997	35.034	35.029
60	24.303	23.401	19.037	21.504	21.797
65	16.014	9.051	8.205	11.665	11.571
70	9.246	6.989	7.023	6.525	7.095
75	4.833	4.806	4.413	5.647	4.498
80	4.721	4.206	4.133	3.663	3.318
85	2.620	2.427	2.430	2.436	2.341
90	0.000	0.000	0.000	0.000	0.000

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00545_18 ~ SS3MX-XT30LE1-SD3X-XXK-MDMWNL.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	1314.7	N.A.	55.70
0-30	2051.56	N.A.	86.90
0-40	2258.16	N.A.	95.60
0-60	2340.99	N.A.	99.10
0-80	2358.92	N.A.	99.90
0-90	2361.34	N.A.	100.00
10-90	1950.27	N.A.	82.60
20-40	943.46	N.A.	40.00
20-50	994.28	N.A.	42.10
40-70	95.22	N.A.	4.00
60-80	17.93	N.A.	0.80
70-80	5.53	N.A.	0.20
80-90	2.42	N.A.	0.10
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	2361.34	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	411.07
10-20	903.63
20-30	736.86
30-40	206.60
40-50	50.82
50-60	32.00
60-70	12.40
70-80	5.53
80-90	2.42
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_18 ~ SS3MX-XT30LE1-SD3X-XXK-MDMWNL.IES

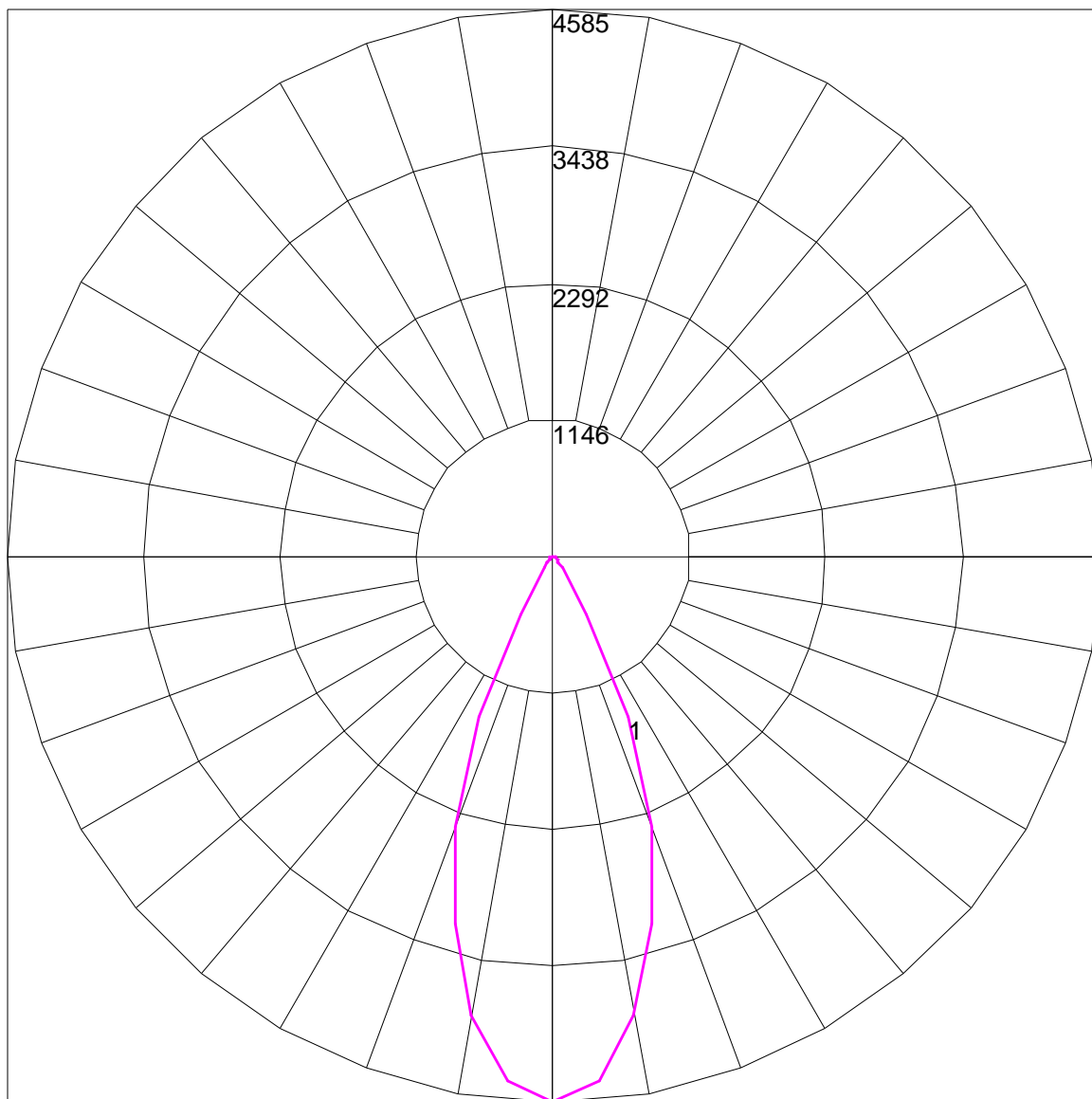
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	114	112	109	107	112	109	107	106	105	104	102	102	100	99	98	97	96	95
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	93	91	90
3	105	99	95	91	103	98	94	90	95	92	89	93	90	87	90	88	86	85
4	100	94	89	85	99	92	88	85	90	87	84	88	85	83	87	84	82	80
5	96	89	84	80	95	88	83	80	86	82	79	85	81	78	83	80	78	76
6	92	84	79	75	91	84	79	75	82	78	75	81	77	74	80	76	74	72
7	88	80	75	72	87	80	75	71	79	74	71	77	74	71	76	73	70	69
8	85	77	72	68	84	76	71	68	75	71	68	74	70	67	73	70	67	66
9	82	73	68	65	81	73	68	65	72	68	64	71	67	64	70	67	64	63
10	79	70	65	62	78	70	65	62	69	65	62	68	64	61	68	64	61	60

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP-00545_18 ~ SS3MX-XT30LE1-SD3X-XXK-MDMWNL.IES

POLAR GRAPH



Maximum Candela = 4584.512 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)