

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP-00545_20 ~ SS3MX-XT30LE1-SD3X-XXK-MDMWGL.IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] SP-00545_20_M-30L
 [TESTLAB] VLS-245-981
 [MANUFAC] Spectrum Lighting
 [ISSUE DATE] 2/16/2017
 [UPDATE] 5/9/2017
 [LUMCAT] SS3MRx-XT30L-E1-SD3x-MD-MW-GL
 [LUMINAIRE] Nominal 3" Square Downlight, Medium Beam
 [OTHER] Matte White Trim, clear glass lens
 [OTHER] 42.1 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	1779
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	51
Total Luminaire Watts	34.6
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.26
Spacing Criterion (90-270)	0.26
Spacing Criterion (Diagonal)	0.26
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_20 ~ SS3MX-XT30LE1-SD3X-XXK-MDMWGL.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	10755	10033	9619
55	4667	4856	4817
65	2652	2905	2983
75	1940	2074	1984
85	0	0	3396

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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	11789.487	11789.487	11789.487	11789.487	11789.487
5	8646.308	8538.364	8367.692	8165.704	8114.664
10	2520.508	2447.506	2676.744	2972.722	3240.923
15	1154.785	1143.417	1127.104	1131.988	1159.486
20	868.937	872.866	880.192	879.622	880.392
25	802.490	811.143	806.841	816.433	815.999
30	736.907	743.630	749.578	757.200	764.995
35	432.375	434.260	438.036	442.526	469.371
40	111.535	126.957	124.820	129.797	141.162
45	69.061	72.916	64.427	59.364	61.764
50	47.550	50.838	37.468	34.081	33.413
55	24.311	27.451	25.291	23.514	25.090
60	16.383	16.203	16.431	15.989	18.327
65	10.179	9.117	11.149	11.366	11.450
70	8.238	9.066	8.391	8.829	10.691
75	4.560	3.812	4.875	4.043	4.662
80	1.798	2.453	2.054	2.728	2.522
85	0.000	2.647	0.000	0.000	2.688
90	0.000	0.000	0.000	0.000	0.000

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Zone	Lumens	%Lamp	%Fixt
0-20	1034.89	N.A.	58.20
0-30	1409.48	N.A.	79.20
0-40	1679.81	N.A.	94.40
0-60	1760.91	N.A.	99.00
0-80	1777.71	N.A.	99.90
0-90	1778.89	N.A.	100.00
10-90	1140.63	N.A.	64.10
20-40	644.92	N.A.	36.30
20-50	702.04	N.A.	39.50
40-70	92.64	N.A.	5.20
60-80	16.80	N.A.	0.90
70-80	5.26	N.A.	0.30
80-90	1.18	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	1778.89	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	638.27
10-20	396.62
20-30	374.59
30-40	270.33
40-50	57.11
50-60	23.99
60-70	11.54
70-80	5.26
80-90	1.18
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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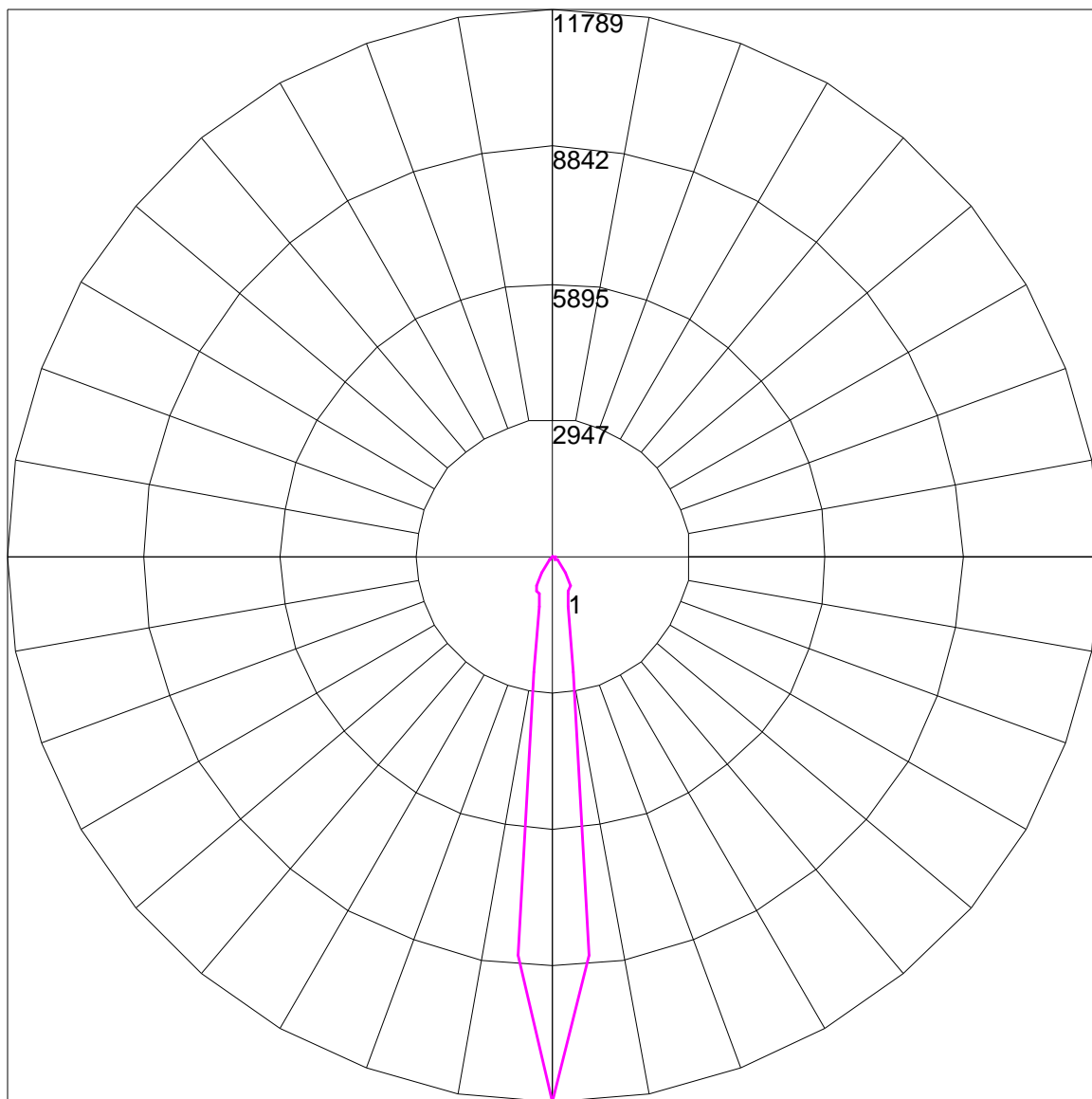
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	95
2	110	106	102	99	108	104	101	98	101	98	96	98	96	94	95	93	92	90
3	105	100	96	92	104	99	95	92	96	93	90	94	91	89	92	89	88	86
4	101	95	90	87	100	94	90	86	92	88	85	90	87	84	88	86	83	82
5	98	91	86	82	96	90	85	82	88	84	81	86	83	81	85	82	80	79
6	94	87	82	78	93	86	81	78	85	81	78	83	80	77	82	79	77	75
7	91	83	78	75	90	83	78	75	81	77	74	80	77	74	79	76	74	72
8	88	80	75	72	87	79	75	72	78	74	71	78	74	71	77	73	71	70
9	85	77	72	69	84	77	72	69	76	72	69	75	71	69	74	71	68	67
10	82	74	70	67	81	74	70	67	73	69	66	73	69	66	72	69	66	65

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POLAR GRAPH



Maximum Candela = 11789.487 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)