

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP-00545_12 ~ SS3MX-XT20LE1-SD3X-XXK-XNMWNL.IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] SP-00545_12
 [TESTLAB] VLS-245-981
 [MANUFAC] Spectrum Lighting
 [ISSUEDATE] 2/16/2017
 [UPDATE] 5/8/2017
 [LUMCAT] SS3Mx-XT20L-E1-SD3x-xxK-XN-MW-NL
 [LUMINAIRE] Nom. 3" Square Downlight, Xtra Narrow Beam
 [OTHER] Matte White Trim, No Lens
 [OTHER] 11.7 Degree Beam Angle
 [LAMP] N/A, 9mm LES
 [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

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1598
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	43
Total Luminaire Watts	37.5
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.24
Spacing Criterion (90-270)	0.24
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_12 ~ SS3MX-XT20LE1-SD3X-XXK-XNMWNL.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	1740	2096	1740
55	3954	2964	3954
65	6270	6062	6270
75	2047	1864	2047
85	2196	3512	2196

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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	14015.870	14015.870	14015.870	14015.870	14015.870
5	9435.336	10206.470	11609.400	10206.470	9435.336
10	2261.696	2519.928	3277.710	2519.928	2261.696
15	886.581	952.435	1111.952	952.435	886.581
20	735.023	749.840	784.378	749.840	735.023
25	658.233	700.309	732.093	700.309	658.233
30	254.037	425.412	662.605	425.412	254.037
35	46.775	89.337	469.198	89.337	46.775
40	20.043	20.957	111.099	20.957	20.043
45	11.172	9.755	13.462	9.755	11.172
50	4.936	10.047	12.533	10.047	4.936
55	20.595	18.736	15.437	18.736	20.595
60	34.081	31.258	28.202	31.258	34.081
65	24.063	20.158	23.264	20.158	24.063
70	7.364	6.675	9.905	6.675	7.364
75	4.810	3.961	4.380	3.961	4.810
80	8.876	4.812	4.082	4.812	8.876
85	1.738	2.702	2.780	2.702	1.738
90	0.000	0.000	0.000	0.000	0.000

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Zone	Lumens	%Lamp	%Fixt
0-20	1114.24	N.A.	69.70
0-30	1410.8	N.A.	88.30
0-40	1537.64	N.A.	96.20
0-60	1569.31	N.A.	98.20
0-80	1595.49	N.A.	99.80
0-90	1598.37	N.A.	100.00
10-90	841.53	N.A.	52.60
20-40	423.39	N.A.	26.50
20-50	437.57	N.A.	27.40
40-70	52.08	N.A.	3.30
60-80	26.17	N.A.	1.60
70-80	5.77	N.A.	0.40
80-90	2.89	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	1598.37	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	756.84
10-20	357.40
20-30	296.56
30-40	126.83
40-50	14.18
50-60	17.50
60-70	20.40
70-80	5.77
80-90	2.89
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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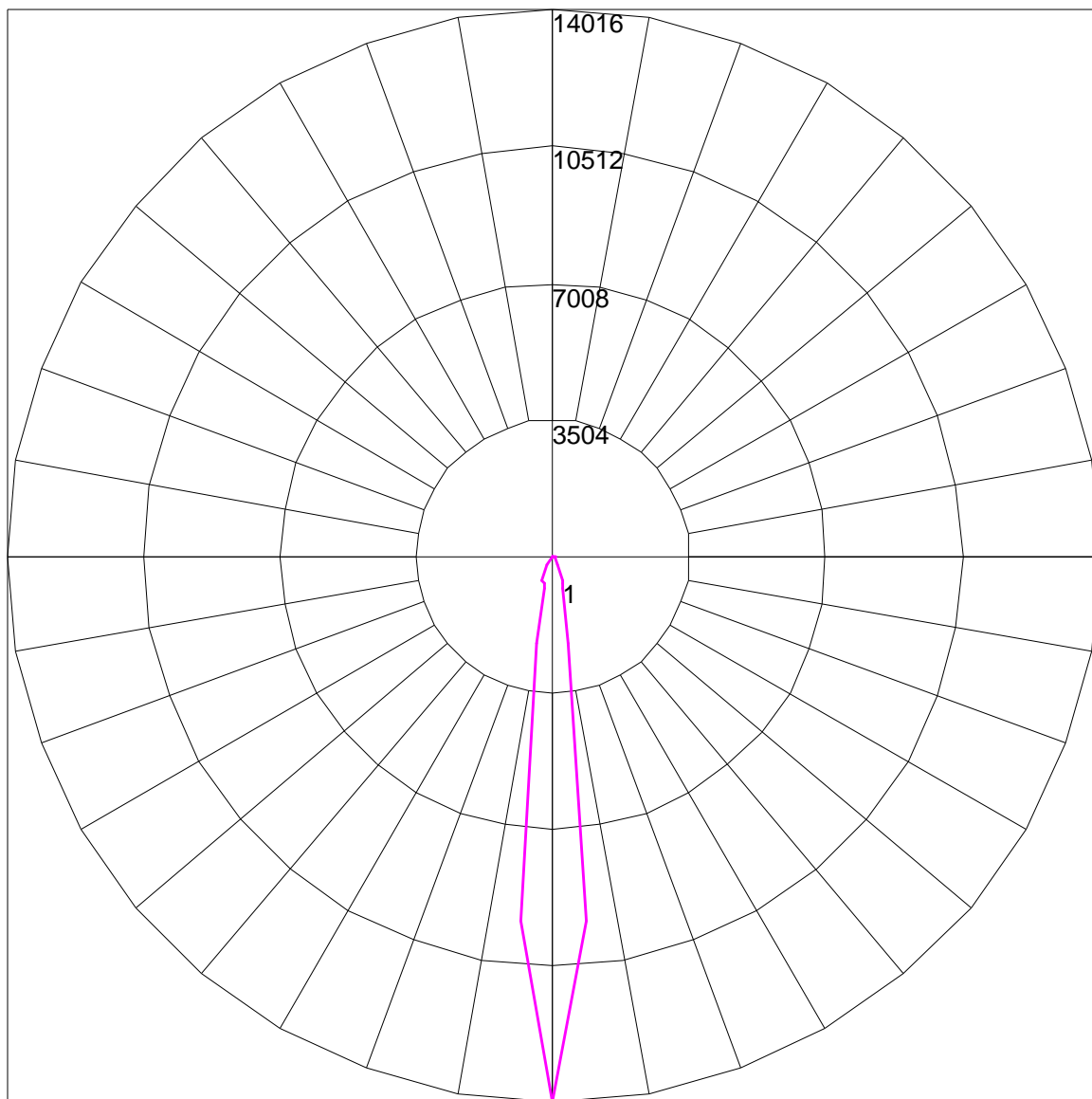
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	115	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	96
2	111	107	104	101	109	105	103	100	102	100	98	99	98	96	97	95	94	92
3	107	102	98	95	105	101	97	95	98	96	93	96	94	92	94	92	90	89
4	104	98	94	91	102	97	93	90	95	92	89	93	91	88	91	89	87	86
5	101	95	90	87	99	94	90	87	92	89	86	91	88	85	89	87	85	83
6	98	91	87	84	96	91	87	84	89	86	83	88	85	83	87	84	82	81
7	95	88	84	81	94	88	84	81	87	83	81	86	83	80	85	82	80	79
8	93	86	82	79	92	85	81	79	84	81	78	84	80	78	83	80	78	77
9	90	84	79	77	89	83	79	77	82	79	76	82	78	76	81	78	76	75
10	88	81	77	75	87	81	77	75	80	77	74	80	77	74	79	76	74	73

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POLAR GRAPH



Maximum Candela = 14015.87 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)