

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00545_30 ~ SS3DMX-XT20LE1-SDD3X-XXK-MDMWNL.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002
[TEST] SP-00545_30
[TESTLAB] VLS-245-981
[MANUFAC] Spectrum Lighting
[ISSUEDATE] 2/17/2017
[UPDATE] 5/1/2017
[LUMCAT] SS3DMx-XT20L-E1-SDD3x-xxK-MD-MW-NL
[LUMINAIRE] Nominal 3" Square Downlight, Deep profile, Medium Beam
[OTHER] Matte White Trim, No lens
[OTHER] 41.3 Degree Beam Angle
[LAMP] N/A, 19mm
[LAMPCAT] N/A, Min. 83 CRI
[OTHER] Total Luminaire Watts is approximate
[OTHER] For New Construction Non-IC Housing: SS3DMO-XT-series
[OTHER] For New Construction IC Rated Housing: SS3DMI-XT-Series
[OTHER] For Remodel/Retrofit Housing: SS3DMR-XT-Series
[OTHER] For SDD3F or SDD3N 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	1332
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	56
Total Luminaire Watts	23.7
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.62
Spacing Criterion (90-270)	0.62
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

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Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	4239	5705	4239
55	1770	3276	1770
65	1172	1699	1172
75	805	446	805
85	1257	1236	1257

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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	2778.333	2778.333	2778.333	2778.333	2778.333
5	2672.043	2698.955	2730.600	2698.955	2672.043
10	2313.770	2395.047	2474.345	2395.047	2313.770
15	1809.928	1939.074	2044.249	1939.074	1809.928
20	1279.098	1440.262	1532.518	1440.262	1279.098
25	686.198	894.464	1087.231	894.464	686.198
30	217.714	376.990	620.364	376.990	217.714
35	44.840	89.769	229.149	89.769	44.840
40	34.882	33.710	63.112	33.710	34.882
45	27.218	28.505	36.634	28.505	27.218
50	17.151	20.816	29.056	20.816	17.151
55	9.218	12.369	17.063	12.369	9.218
60	6.694	7.852	8.162	7.852	6.694
65	4.499	6.277	6.521	6.277	4.499
70	1.907	1.961	2.746	1.961	1.907
75	1.893	1.252	1.048	1.252	1.893
80	1.129	1.021	1.109	1.021	1.129
85	0.995	0.848	0.978	0.848	0.995
90	0.000	0.000	0.000	0.000	0.000

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Zone	Lumens	%Lamp	%Fixt
0-20	781.05	N.A.	58.70
0-30	1186.78	N.A.	89.10
0-40	1287.9	N.A.	96.70
0-60	1323.96	N.A.	99.40
0-80	1330.85	N.A.	99.90
0-90	1331.64	N.A.	100.00
10-90	1083.9	N.A.	81.40
20-40	506.85	N.A.	38.10
20-50	530.65	N.A.	39.80
40-70	41.38	N.A.	3.10
60-80	6.89	N.A.	0.50
70-80	1.57	N.A.	0.10
80-90	0.79	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	1331.64	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	247.75
10-20	533.30
20-30	405.73
30-40	101.12
40-50	23.79
50-60	12.26
60-70	5.33
70-80	1.57
80-90	0.79
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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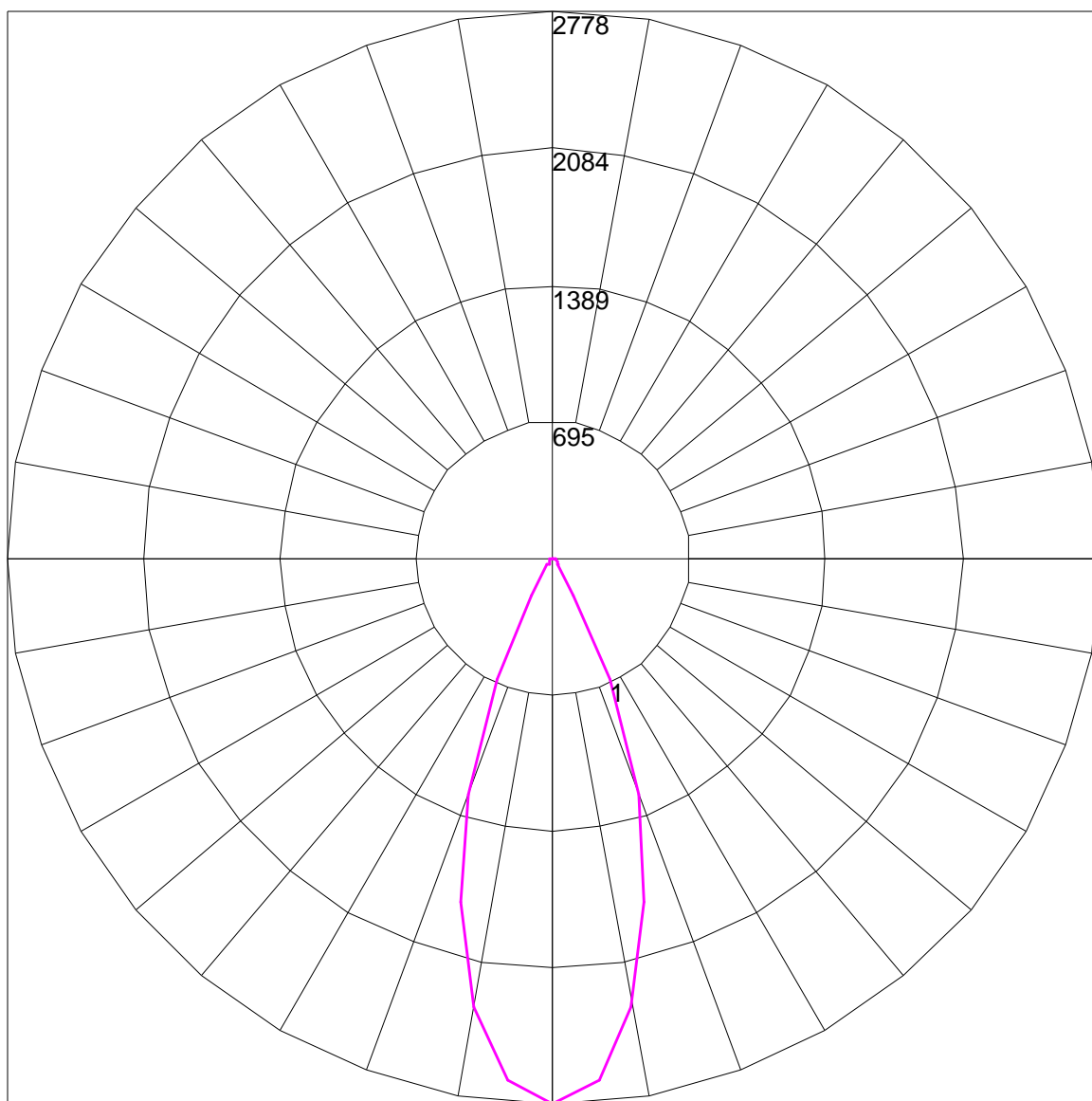
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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

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POLAR GRAPH



Maximum Candela = 2778.333 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)