

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP-00545_32 ~ SS3DMX-XT10LE1-SDD3X-XXK-MDMWGL.IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] SP-00545_32_M-10L
 [TESTLAB] VLS-245-981
 [MANUFAC] Spectrum Lighting
 [ISSUEDATE] 2/17/2017
 [UPDATE] 5/1/2017
 [LUMCAT] SS3DMx-XT10L-E1-SDD3x-xxK-MD-MW-GL
 [LUMINAIRE] Nominal 3" Square Downlight, Deep profile, Medium Beam
 [OTHER] Matte White Trim, clear glass 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, scaled from 20L

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	807
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	73
Total Luminaire Watts	11.1
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.72
Spacing Criterion (90-270)	0.76
Spacing Criterion (Diagonal)	0.76
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	3296	5122	3418
55	1789	3066	2207
65	1249	1606	1333
75	258	539	550
85	709	843	1010

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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	1301.464	1301.464	1301.464	1301.464	1301.464
5	1286.460	1298.883	1300.225	1305.824	1305.324
10	1181.735	1215.317	1220.670	1233.465	1229.103
15	992.568	1039.868	1049.670	1057.541	1046.540
20	766.280	815.017	825.928	830.248	809.547
25	506.727	575.652	591.269	594.301	557.489
30	242.349	317.925	379.401	349.065	295.125
35	75.244	114.310	196.677	131.109	101.022
40	27.549	34.359	79.647	39.460	29.063
45	21.167	21.461	32.891	23.771	21.946
50	15.145	16.803	22.020	18.363	16.783
55	9.319	11.811	15.972	12.549	11.493
60	6.981	6.748	10.006	8.199	6.980
65	4.792	6.109	6.162	5.810	5.117
70	2.366	3.106	3.218	4.039	3.162
75	0.607	1.360	1.268	1.533	1.292
80	0.757	0.996	1.037	0.672	0.957
85	0.561	0.674	0.667	0.462	0.799
90	0.000	0.028	0.190	0.222	0.469

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Zone	Lumens	%Lamp	%Fixt
0-20	408.29	N.A.	50.60
0-30	668.04	N.A.	82.80
0-40	765.68	N.A.	94.90
0-60	798.95	N.A.	99.00
0-80	806.35	N.A.	99.90
0-90	806.98	N.A.	100.00
10-90	685.76	N.A.	85.00
20-40	357.38	N.A.	44.30
20-50	379.14	N.A.	47.00
40-70	38.90	N.A.	4.80
60-80	7.40	N.A.	0.90
70-80	1.77	N.A.	0.20
80-90	0.63	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	806.98	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	121.21
10-20	287.08
20-30	259.75
30-40	97.63
40-50	21.76
50-60	11.51
60-70	5.63
70-80	1.77
80-90	0.63
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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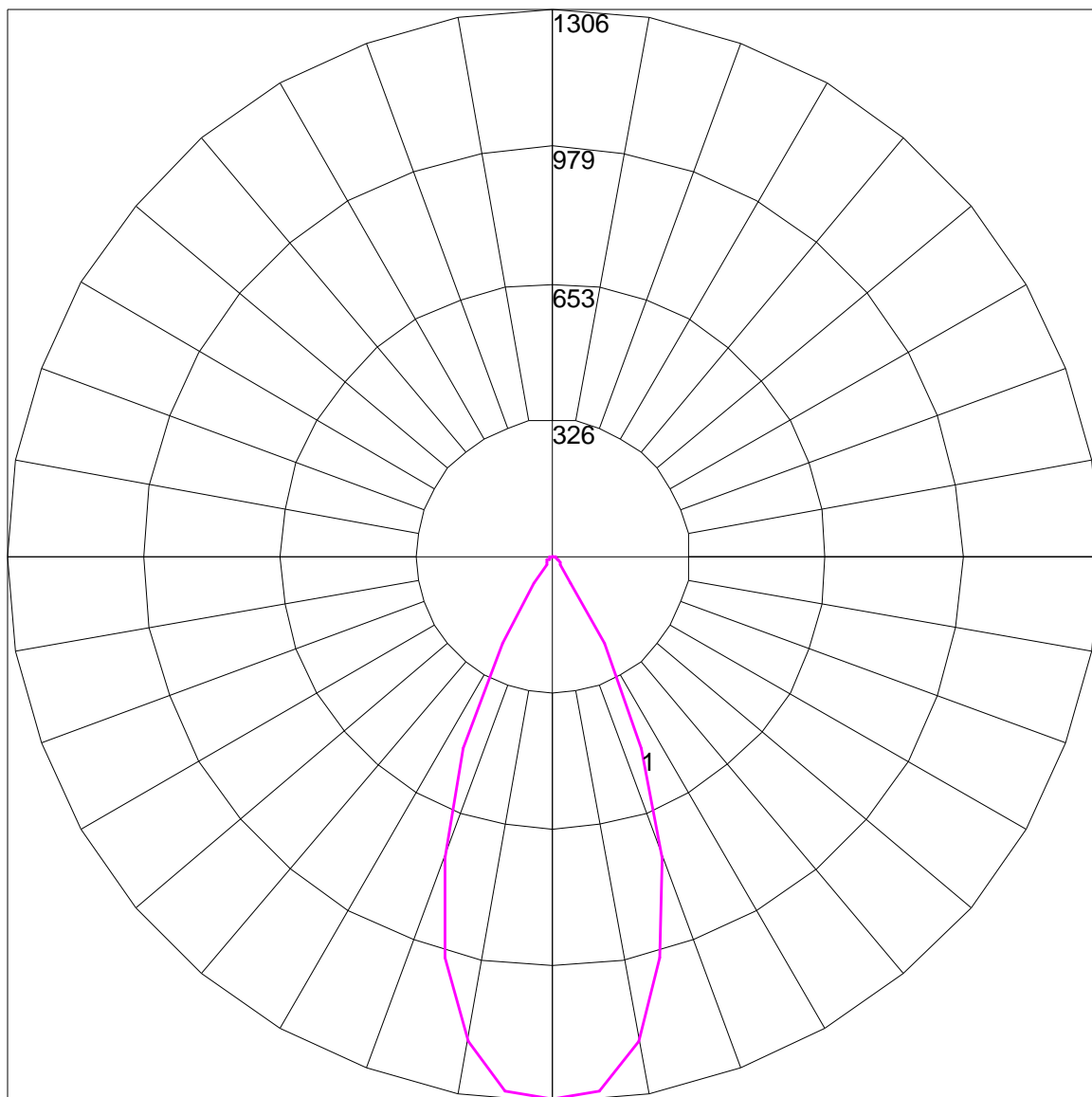
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	111	109	107	111	109	107	105	105	103	102	101	100	99	98	97	96	94
2	109	104	101	97	107	103	99	96	99	97	94	96	94	92	94	92	90	89
3	104	98	93	90	102	97	92	89	94	91	88	92	89	86	89	87	85	83
4	99	92	87	83	98	91	87	83	89	85	82	87	84	81	85	83	80	79
5	95	87	82	78	93	86	81	78	85	80	77	83	79	76	82	78	76	74
6	91	83	77	73	89	82	77	73	80	76	73	79	75	72	78	74	72	70
7	87	79	73	69	86	78	73	69	77	72	69	75	71	68	74	71	68	67
8	83	75	69	66	82	74	69	65	73	68	65	72	68	65	71	67	65	63
9	80	71	66	62	79	71	66	62	70	65	62	69	65	62	68	64	61	60
10	77	68	63	59	76	68	62	59	67	62	59	66	62	59	65	61	59	57

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POLAR GRAPH



Maximum Candela = 1305.824 Located At Horizontal Angle = 67.5, Vertical Angle = 5
1 - Vertical Plane Through Horizontal Angles (0 - 180)