

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP-00545_31 ~ SS3DMX-XT10LE1-SDD3X-XXK-MDMWSO.IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] SP-00545_31_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-SO
 [LUMINAIRE] Nom. 3" Square Downlight, Deep profile, Medium Beam
 [OTHER] Matte White Trim, Solite Lens
 [OTHER] 41.6 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	763
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	69
Total Luminaire Watts	11.1
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.68
Spacing Criterion (90-270)	0.74
Spacing Criterion (Diagonal)	0.72
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	3751	5600	4044
55	1921	3002	2356
65	1001	1269	1327
75	349	438	420
85	877	916	834

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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	1315.168	1315.168	1315.168	1315.168	1315.168
5	1277.486	1286.432	1293.488	1301.392	1307.079
10	1146.457	1167.176	1180.802	1197.090	1206.755
15	936.645	971.710	991.267	1014.260	1017.264
20	691.728	739.395	764.644	788.769	788.399
25	434.467	493.406	534.542	545.548	527.707
30	212.624	267.335	326.020	312.855	276.830
35	83.615	112.536	163.724	140.056	108.270
40	37.632	46.625	71.649	56.470	43.542
45	24.087	26.820	35.956	29.968	25.965
50	16.761	17.796	23.748	20.333	18.519
55	10.004	12.345	15.639	14.149	12.272
60	6.838	8.058	8.795	8.875	7.554
65	3.843	4.252	4.872	5.320	5.093
70	1.149	2.558	2.469	2.861	2.526
75	0.820	0.756	1.029	0.682	0.988
80	0.690	0.785	0.767	0.830	0.838
85	0.694	0.701	0.725	0.713	0.660
90	0.000	0.000	0.000	0.095	0.866

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Zone	Lumens	%Lamp	%Fixt
0-20	392.30	N.A.	51.40
0-30	627.11	N.A.	82.20
0-40	718.69	N.A.	94.20
0-60	756.27	N.A.	99.10
0-80	762.53	N.A.	99.90
0-90	763.16	N.A.	100.00
10-90	643.48	N.A.	84.30
20-40	326.39	N.A.	42.80
20-50	351.77	N.A.	46.10
40-70	42.55	N.A.	5.60
60-80	6.25	N.A.	0.80
70-80	1.29	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	763.16	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	119.68
10-20	272.62
20-30	234.81
30-40	91.58
40-50	25.39
50-60	12.20
60-70	4.96
70-80	1.29
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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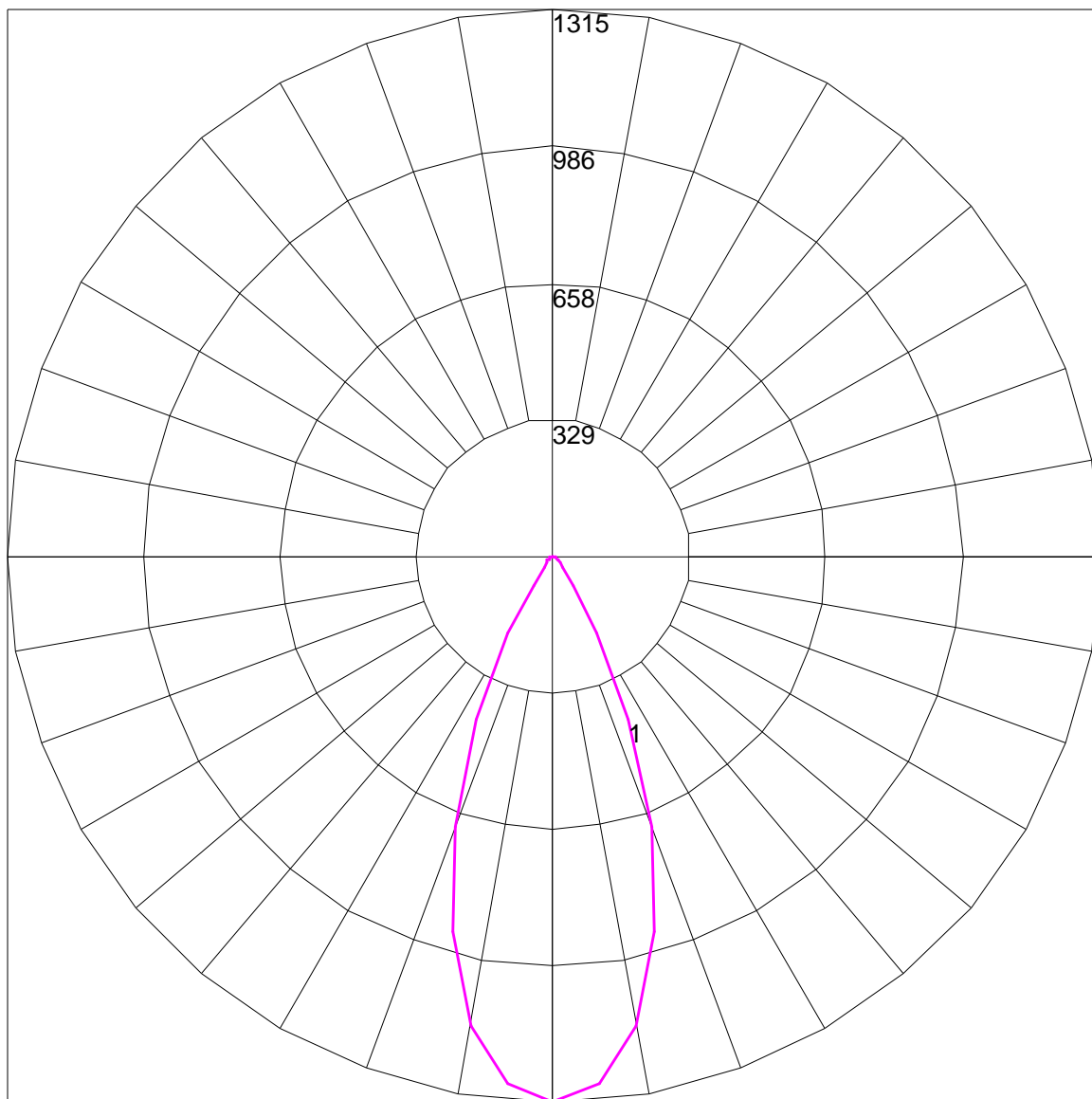
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	90	87	85	84
4	99	92	87	84	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	81	76	73	79	75	72	78	74	72	70
7	87	79	73	69	86	78	73	69	77	72	69	76	71	68	75	71	68	67
8	83	75	69	66	82	74	69	66	73	69	65	72	68	65	71	68	65	63
9	80	71	66	62	79	71	66	62	70	65	62	69	65	62	68	64	62	60
10	77	68	63	59	76	68	63	59	67	62	59	66	62	59	65	62	59	58

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POLAR GRAPH



Maximum Candela = 1315.168 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)