

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP-00545_35 ~ SS3DMX-XT10LE1-SDD3X-XXK-WDMWGL.IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] SP-00545_35_M-10L
 [TESTLAB] VLS-245-981
 [MANUFAC] Spectrum Lighting
 [ISSUE DATE] 2/17/2017
 [UPDATE] 5/1/2017
 [LUMCAT] SS3DMx-XT10L-E1-SDD3x-xxK-WD-MW-GL
 [LUMINAIRE] Nominal 3" Square Downlight, Deep profile, Wide Beam
 [OTHER] Matte White Trim, clear glass lens
 [OTHER] 48.8 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	719
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	65
Total Luminaire Watts	11.1
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.74
Spacing Criterion (90-270)	0.74
Spacing Criterion (Diagonal)	0.80
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	3134	6935	3130
55	1854	2667	1932
65	1886	1940	2022
75	485	514	422
85	1227	868	641

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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	1043.878	1043.878	1043.878	1043.878	1043.878
5	1015.299	1015.825	1016.719	1021.336	1019.696
10	939.161	946.635	950.126	956.351	946.313
15	800.759	822.368	833.815	830.797	807.753
20	633.528	669.442	678.527	673.026	640.590
25	443.462	492.492	526.242	493.206	444.958
30	274.197	319.003	373.960	317.772	271.968
35	155.348	181.686	225.254	176.594	154.695
40	66.596	92.793	111.471	91.836	62.067
45	20.123	28.684	44.530	24.290	20.100
50	14.412	18.036	19.291	16.385	15.041
55	9.655	11.936	13.892	11.864	10.064
60	8.592	9.548	8.303	9.260	7.894
65	7.238	10.532	7.446	9.299	7.760
70	2.621	4.700	4.313	4.707	2.794
75	1.140	1.034	1.208	0.871	0.992
80	0.782	0.993	0.724	0.731	0.551
85	0.971	0.370	0.687	0.726	0.507
90	0.482	0.321	0.469	0.132	0.639

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Zone	Lumens	%Lamp	%Fixt
0-20	322.68	N.A.	44.90
0-30	546.17	N.A.	76.00
0-40	666.47	N.A.	92.70
0-60	709.09	N.A.	98.60
0-80	718.43	N.A.	99.90
0-90	719.08	N.A.	100.00
10-90	624.08	N.A.	86.80
20-40	343.78	N.A.	47.80
20-50	375.31	N.A.	52.20
40-70	50.13	N.A.	7.00
60-80	9.34	N.A.	1.30
70-80	1.83	N.A.	0.30
80-90	0.66	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	719.08	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	95.01
10-20	227.68
20-30	223.49
30-40	120.29
40-50	31.53
50-60	11.10
60-70	7.50
70-80	1.83
80-90	0.66
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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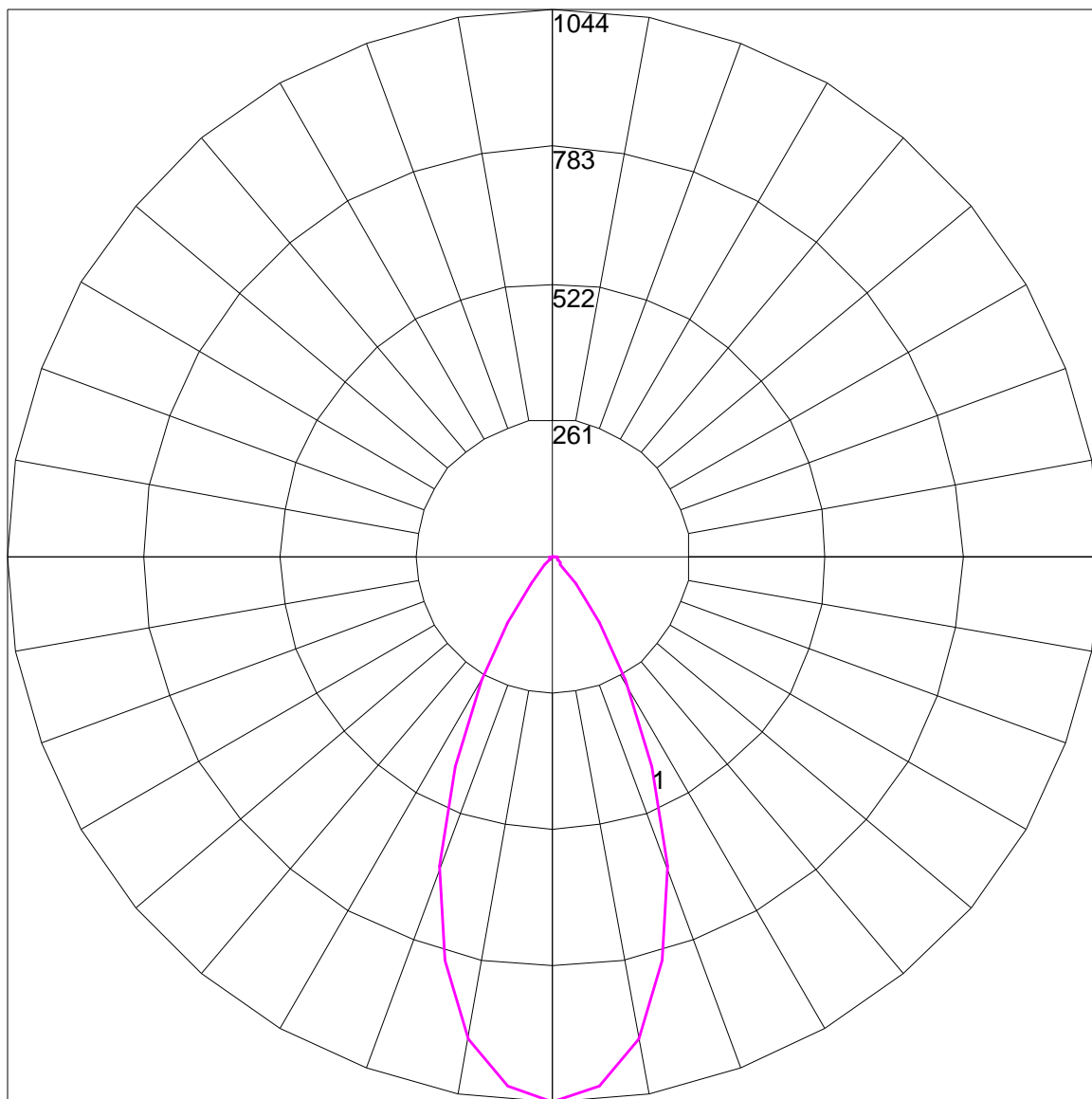
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	108	106	111	109	107	105	105	103	101	101	100	98	98	97	96	94
2	108	103	100	96	106	102	98	95	99	96	93	96	93	91	93	91	89	88
3	103	97	92	88	101	95	91	87	93	89	86	90	87	85	88	86	83	82
4	98	91	85	81	96	90	85	81	88	83	80	86	82	79	84	81	78	77
5	93	85	80	76	92	84	79	75	83	78	75	81	77	74	79	76	73	72
6	89	80	75	71	88	80	74	70	78	73	70	77	73	69	76	72	69	68
7	85	76	70	66	84	75	70	66	74	69	66	73	69	65	72	68	65	64
8	81	72	66	62	80	71	66	62	70	65	62	69	65	62	68	64	61	60
9	78	68	63	59	76	68	62	59	67	62	59	66	62	58	65	61	58	57
10	74	65	59	56	73	65	59	56	64	59	55	63	58	55	62	58	55	54

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POLAR GRAPH



Maximum Candela = 1043.878 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)