

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP-00545_33 ~ SS3DMX-XT10LE1-SDD3X-XXK-WDMWNL.IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] SP-00545_33_M-10L
 [TESTLAB] VLS-245-981
 [MANUFAC] Spectrum Lighting
 [ISSUEDATE] 2/17/2017
 [UPDATE] 5/1/2017
 [LUMCAT] SS3DMx-XT10L-E1-SDD3x-xxK-WD-MW-NL
 [LUMINAIRE] Nom. 3" Square Downlight, Deep profile, Wide Beam
 [OTHER] Matte White Trim, No Lens
 [OTHER] 48.2 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	767
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)	0.78
Spacing Criterion (90-270)	0.78
Spacing Criterion (Diagonal)	0.86
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	2154	7832	2154
55	1470	1269	1470
65	1716	812	1716
75	308	456	308
85	780	1179	780

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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	1043.495	1043.495	1043.495	1043.495	1043.495
5	1029.846	1040.728	1044.276	1040.728	1029.846
10	968.705	992.308	1001.321	992.308	968.705
15	842.957	885.191	910.729	885.191	842.957
20	673.948	727.147	765.744	727.147	673.948
25	476.019	545.310	602.405	545.310	476.019
30	289.819	355.322	438.782	355.322	289.819
35	163.374	197.146	275.903	197.146	163.374
40	55.547	97.595	139.422	97.595	55.547
45	13.833	21.275	50.291	21.275	13.833
50	8.508	8.796	14.864	8.796	8.508
55	7.658	7.284	6.611	7.284	7.658
60	6.934	6.828	3.511	6.828	6.934
65	6.587	6.303	3.118	6.303	6.587
70	2.041	4.047	2.721	4.047	2.041
75	0.725	1.199	1.071	1.199	0.725
80	0.641	0.543	0.671	0.543	0.641
85	0.617	0.492	0.933	0.492	0.617
90	0.000	0.000	0.000	0.000	0.000

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Zone	Lumens	%Lamp	%Fixt
0-20	340.57	N.A.	44.40
0-30	587.48	N.A.	76.60
0-40	722.20	N.A.	94.20
0-60	759.51	N.A.	99.10
0-80	766.11	N.A.	99.90
0-90	766.62	N.A.	100.00
10-90	669.19	N.A.	87.30
20-40	381.63	N.A.	49.80
20-50	412.08	N.A.	53.80
40-70	42.36	N.A.	5.50
60-80	6.60	N.A.	0.90
70-80	1.56	N.A.	0.20
80-90	0.51	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	766.62	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	97.43
10-20	243.14
20-30	246.91
30-40	134.71
40-50	30.46
50-60	6.85
60-70	5.05
70-80	1.56
80-90	0.51
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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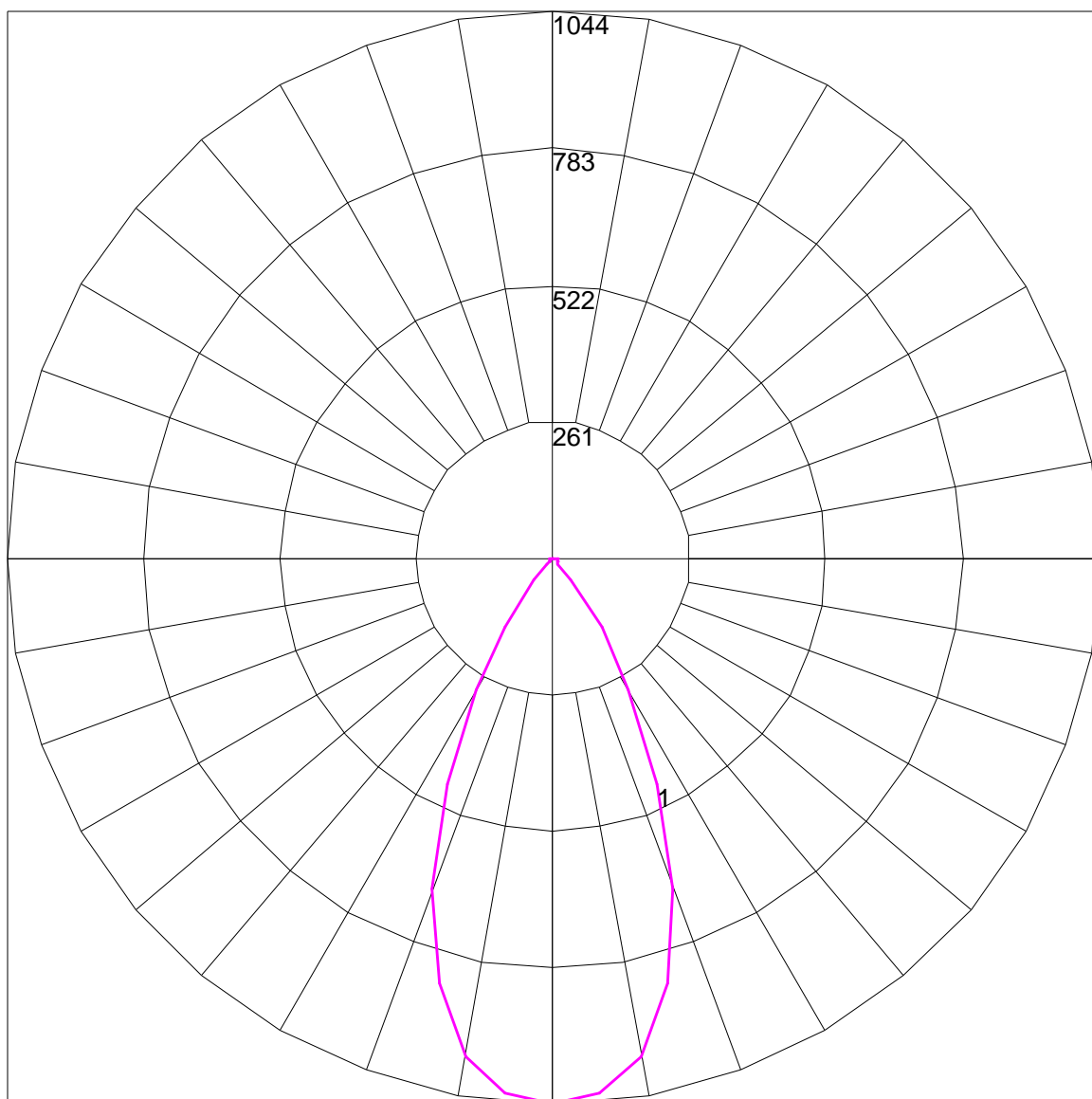
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	106	111	109	107	105	105	103	101	101	100	98	98	97	96	94
2	108	104	100	96	106	102	98	95	99	96	93	96	93	91	93	91	89	88
3	103	97	92	88	101	96	91	88	93	89	86	91	88	85	88	86	84	82
4	98	91	86	82	96	90	85	81	88	84	80	86	82	79	84	81	78	77
5	94	86	80	76	92	85	80	76	83	78	75	81	77	74	80	76	74	72
6	89	81	75	71	88	80	75	71	78	74	70	77	73	70	76	72	69	68
7	85	76	71	67	84	76	70	66	74	70	66	73	69	66	72	68	65	64
8	81	72	67	63	80	72	66	62	71	66	62	70	65	62	69	65	62	60
9	78	68	63	59	77	68	63	59	67	62	59	66	62	59	65	61	58	57
10	74	65	60	56	73	65	59	56	64	59	56	63	59	55	62	58	55	54

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POLAR GRAPH



Maximum Candela = 1044.276 Located At Horizontal Angle = 45, Vertical Angle = 5
1 - Vertical Plane Through Horizontal Angles (0 - 180)