

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP-00545_26 ~ SS3DMX-XT10LE1-SDD3X-XXK-XNMWGL.IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] SP-00545_26_M-10L
 [TESTLAB] VLS-245-981
 [MANUFAC] Spectrum Lighting
 [ISSUEDATE] 2/17/2017
 [UPDATE] 5/1/2017
 [LUMCAT] SS3DMx-XT10L-E1-SDD3x-xxK-XN-MW-GL
 [LUMINAIRE] Nom. 3" Square Downlight, Deep profile, Xtra Narrow Beam
 [OTHER] Matte White Trim, Clear Glass Lens
 [OTHER] 12 Degree Beam Angle
 [LAMP] N/A, 9mm LES
 [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	579
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	39
Total Luminaire Watts	14.8
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.22
Spacing Criterion (90-270)	0.24
Spacing Criterion (Diagonal)	0.24
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	1274	1833	1202
55	1316	2380	1153
65	793	693	554
75	199	338	252
85	0	0	0

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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	5826.332	5826.332	5826.332	5826.332	5826.332
5	3669.095	3734.935	3801.968	3808.693	3794.288
10	897.378	882.463	875.932	899.683	917.022
15	386.885	383.232	377.022	381.383	390.592
20	313.221	312.304	303.641	303.804	309.202
25	240.766	270.806	279.359	262.850	238.255
30	63.095	115.510	251.853	110.434	59.992
35	18.779	19.644	120.384	21.853	20.061
40	13.176	12.624	16.559	14.627	13.519
45	8.179	8.263	11.771	9.902	7.716
50	5.427	6.031	10.304	5.296	4.154
55	6.855	5.556	12.395	6.835	6.004
60	6.469	7.278	10.091	7.985	6.012
65	3.044	2.315	2.661	2.450	2.128
70	1.172	0.902	1.181	1.139	0.980
75	0.467	0.733	0.795	0.567	0.592
80	0.496	0.495	0.544	0.747	0.616
85	0.000	0.000	0.000	0.000	0.000
90	0.000	0.000	0.000	0.000	0.000

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Zone	Lumens	%Lamp	%Fixt
0-20	413.90	N.A.	71.40
0-30	524.14	N.A.	90.50
0-40	560.61	N.A.	96.80
0-60	575.02	N.A.	99.20
0-80	579.24	N.A.	100.00
0-90	579.40	N.A.	100.00
10-90	297.96	N.A.	51.40
20-40	146.71	N.A.	25.30
20-50	154.36	N.A.	26.60
40-70	17.84	N.A.	3.10
60-80	4.22	N.A.	0.70
70-80	0.78	N.A.	0.10
80-90	0.16	N.A.	0.00
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	579.40	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	281.44
10-20	132.46
20-30	110.24
30-40	36.48
40-50	7.65
50-60	6.76
60-70	3.43
70-80	0.78
80-90	0.16
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

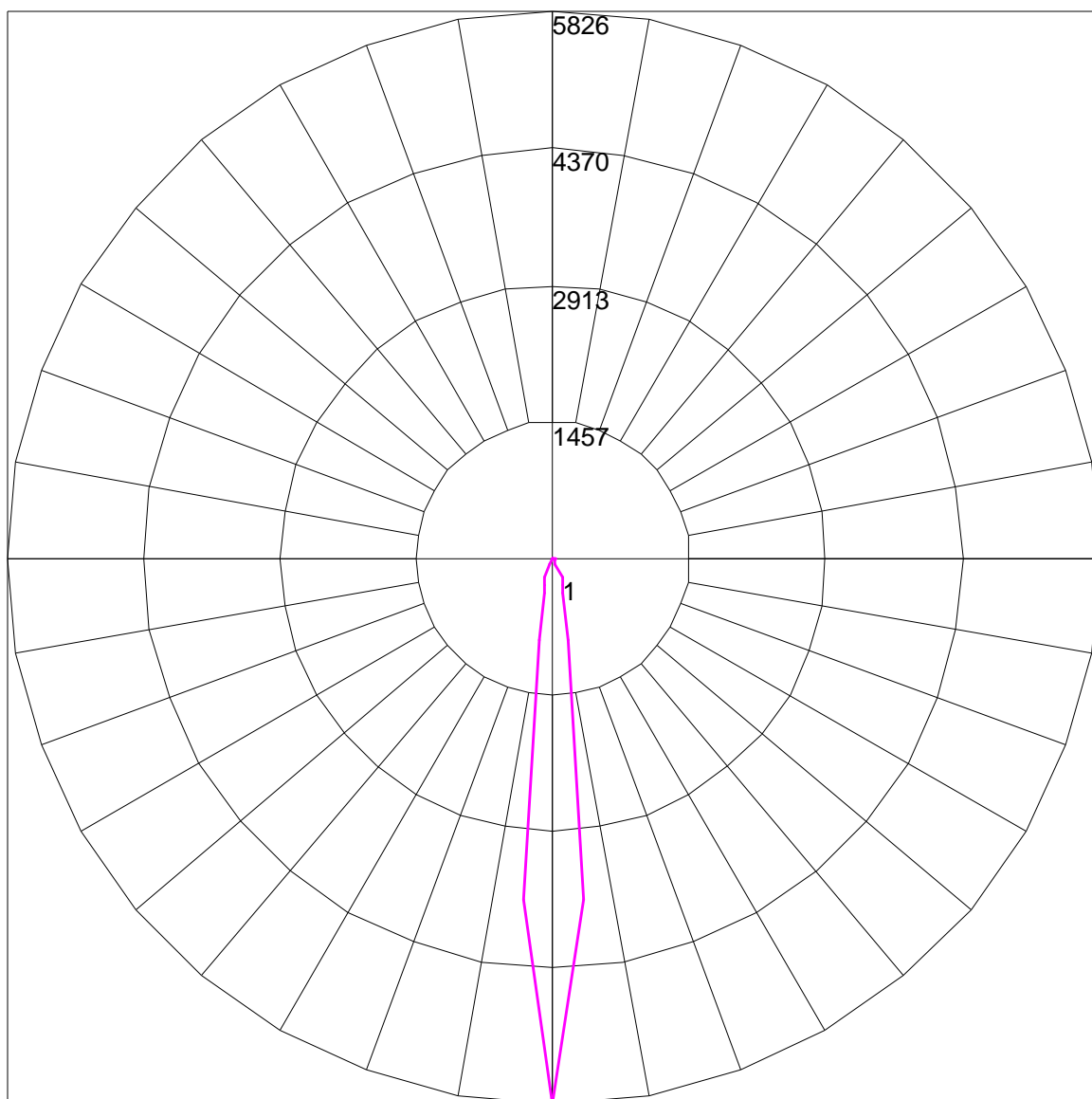
Effective Floor Cavity Reflectance 0.20

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	115	113	111	109	113	111	109	108	107	106	104	103	102	101	100	99	98	97
2	111	108	105	102	109	106	103	101	103	101	99	100	98	97	97	96	95	93
3	108	103	99	97	106	102	98	96	99	97	94	97	95	93	95	93	91	90
4	104	99	95	92	103	98	94	92	96	93	90	94	92	89	92	90	89	87
5	101	95	91	88	100	95	91	88	93	90	87	92	89	87	90	88	86	85
6	99	92	88	85	97	92	88	85	90	87	84	89	86	84	88	85	83	82
7	96	90	85	83	95	89	85	82	88	84	82	87	84	82	86	83	81	80
8	93	87	83	80	93	87	83	80	86	82	80	85	82	79	84	81	79	78
9	91	85	81	78	90	84	81	78	84	80	78	83	80	77	82	79	77	76
10	89	83	79	76	88	82	79	76	82	78	76	81	78	76	80	78	76	75

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POLAR GRAPH



Maximum Candela = 5826.332 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)