

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP-00545_26 ~ SS3DMX-XT13LE1-SDD3X-XXK-XNMWGL.IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] SP-00545_26_M-13L
 [TESTLAB] VLS-245-981
 [MANUFAC] Spectrum Lighting
 [ISSUE DATE] 2/17/2017
 [UPDATE] 5/1/2017
 [LUMCAT] SS3DMx-XT13L-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 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	781
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	38
Total Luminaire Watts	20.4
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	1716	2469	1619
55	1773	3206	1553
65	1068	934	747
75	268	456	339
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	7848.945	7848.945	7848.945	7848.945	7848.945
5	4942.822	5031.519	5121.822	5130.881	5111.476
10	1208.903	1188.810	1180.012	1212.009	1235.366
15	521.193	516.272	507.905	513.780	526.186
20	421.955	420.721	409.050	409.270	416.542
25	324.347	364.816	376.338	354.099	320.965
30	84.999	155.609	339.284	148.771	80.818
35	25.298	26.463	162.175	29.440	27.025
40	17.750	17.006	22.307	19.704	18.212
45	11.019	11.131	15.857	13.340	10.394
50	7.311	8.124	13.881	7.134	5.596
55	9.235	7.484	16.698	9.208	8.088
60	8.715	9.805	13.593	10.757	8.099
65	4.100	3.118	3.584	3.301	2.867
70	1.579	1.215	1.591	1.535	1.320
75	0.629	0.987	1.071	0.764	0.797
80	0.668	0.666	0.733	1.006	0.830
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	557.59	N.A.	71.40
0-30	706.09	N.A.	90.50
0-40	755.23	N.A.	96.80
0-60	774.64	N.A.	99.20
0-80	780.33	N.A.	100.00
0-90	780.54	N.A.	100.00
10-90	401.40	N.A.	51.40
20-40	197.64	N.A.	25.30
20-50	207.95	N.A.	26.60
40-70	24.04	N.A.	3.10
60-80	5.68	N.A.	0.70
70-80	1.06	N.A.	0.10
80-90	0.21	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	780.54	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	379.14
10-20	178.44
20-30	148.51
30-40	49.14
40-50	10.30
50-60	9.11
60-70	4.63
70-80	1.06
80-90	0.21
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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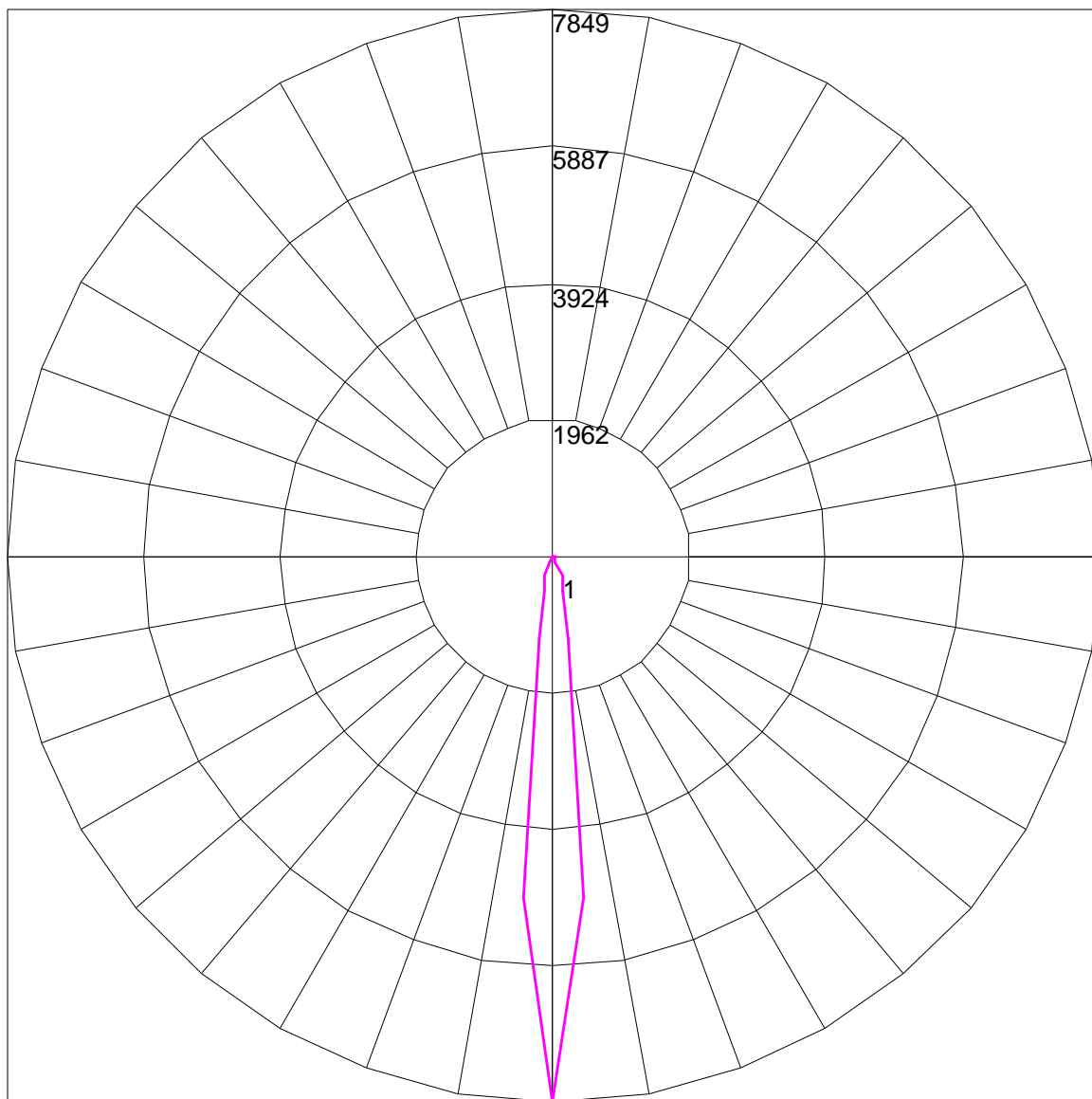
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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

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POLAR GRAPH



Maximum Candela = 7848.945 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)