

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP-00545_31 ~ SS3DMX-XT13LE1-SDD3X-XXK-MDMWSO.IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] SP-00545_31_M-13L
 [TESTLAB] VLS-245-981
 [MANUFAC] Spectrum Lighting
 [ISSUEDATE] 2/17/2017
 [UPDATE] 5/1/2017
 [LUMCAT] SS3DMx-XT13L-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	1028
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	69
Total Luminaire Watts	15
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	5053	7543	5447
55	2587	4045	3174
65	1349	1710	1788
75	470	590	566
85	1181	1233	1123

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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	1771.728	1771.728	1771.728	1771.728	1771.728
5	1720.966	1733.017	1742.523	1753.170	1760.832
10	1544.450	1572.361	1590.718	1612.660	1625.680
15	1261.801	1309.040	1335.385	1366.361	1370.408
20	931.862	996.076	1030.091	1062.591	1062.092
25	585.292	664.692	720.109	734.935	710.900
30	286.437	360.141	439.198	421.463	372.931
35	112.642	151.603	220.561	188.677	145.855
40	50.695	62.811	96.522	76.073	58.657
45	32.449	36.130	48.438	40.371	34.978
50	22.579	23.974	31.992	27.392	24.948
55	13.477	16.631	21.068	19.061	16.532
60	9.211	10.855	11.848	11.956	10.176
65	5.177	5.728	6.563	7.166	6.861
70	1.548	3.446	3.326	3.854	3.403
75	1.104	1.018	1.386	0.918	1.331
80	0.929	1.058	1.033	1.119	1.128
85	0.935	0.944	0.976	0.960	0.889
90	0.000	0.000	0.000	0.128	1.167

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Zone	Lumens	%Lamp	%Fixt
0-20	528.49	N.A.	51.40
0-30	844.81	N.A.	82.20
0-40	968.18	N.A.	94.20
0-60	1018.81	N.A.	99.10
0-80	1027.24	N.A.	99.90
0-90	1028.09	N.A.	100.00
10-90	866.86	N.A.	84.30
20-40	439.69	N.A.	42.80
20-50	473.89	N.A.	46.10
40-70	57.32	N.A.	5.60
60-80	8.43	N.A.	0.80
70-80	1.74	N.A.	0.20
80-90	0.85	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	1028.09	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	161.23
10-20	367.26
20-30	316.32
30-40	123.37
40-50	34.20
50-60	16.43
60-70	6.69
70-80	1.74
80-90	0.85
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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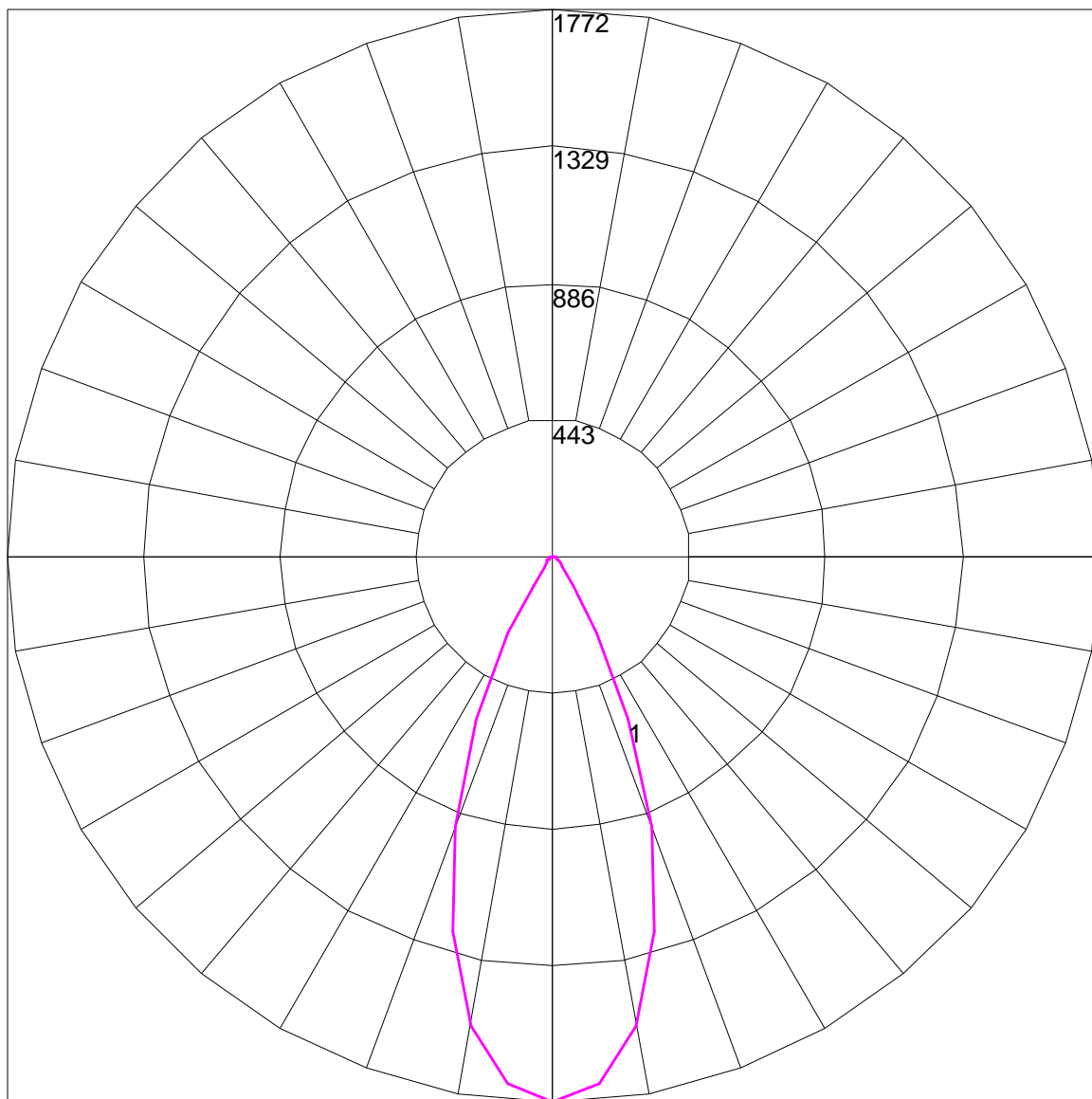
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 1771.728 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)