

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP-00545_32 ~ SS3DMX-XT13LE1-SDD3X-XXK-MDMWGL.IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] SP-00545_32_M-13L
 [TESTLAB] VLS-245-981
 [MANUFAC] Spectrum Lighting
 [ISSUE DATE] 2/17/2017
 [UPDATE] 5/1/2017
 [LUMCAT] SS3DMx-XT13L-E1-SDD3x-xxK-MD-MW-GL
 [LUMINAIRE] Nominal 3" Square Downlight, Deep profile, Medium Beam
 [OTHER] Matte White Trim, clear glass lens
 [OTHER] 41.3 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	1087
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	72
Total Luminaire Watts	15
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.72
Spacing Criterion (90-270)	0.76
Spacing Criterion (Diagonal)	0.76
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	4441	6900	4604
55	2410	4131	2972
65	1682	2163	1796
75	348	727	741
85	955	1136	1360

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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	1753.268	1753.268	1753.268	1753.268	1753.268
5	1733.055	1749.790	1751.598	1759.141	1758.467
10	1591.974	1637.215	1644.426	1661.663	1655.786
15	1337.138	1400.858	1414.063	1424.666	1409.847
20	1032.295	1097.951	1112.649	1118.469	1090.581
25	682.638	775.490	796.529	800.612	751.022
30	326.481	428.292	511.110	470.242	397.578
35	101.366	153.993	264.953	176.624	136.092
40	37.113	46.286	107.297	53.158	39.152
45	28.515	28.911	44.309	32.023	29.565
50	20.403	22.636	29.665	24.738	22.609
55	12.554	15.911	21.516	16.905	15.482
60	9.405	9.090	13.479	11.045	9.403
65	6.455	8.230	8.301	7.827	6.894
70	3.188	4.185	4.335	5.442	4.260
75	0.818	1.832	1.709	2.065	1.741
80	1.020	1.342	1.397	0.905	1.290
85	0.756	0.908	0.899	0.623	1.076
90	0.000	0.037	0.256	0.299	0.632

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Zone	Lumens	%Lamp	%Fixt
0-20	550.03	N.A.	50.60
0-30	899.95	N.A.	82.80
0-40	1031.48	N.A.	94.90
0-60	1076.3	N.A.	99.00
0-80	1086.27	N.A.	99.90
0-90	1087.12	N.A.	100.00
10-90	923.83	N.A.	85.00
20-40	481.45	N.A.	44.30
20-50	510.76	N.A.	47.00
40-70	52.40	N.A.	4.80
60-80	9.97	N.A.	0.90
70-80	2.39	N.A.	0.20
80-90	0.84	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	1087.12	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	163.29
10-20	386.74
20-30	349.92
30-40	131.53
40-50	29.31
50-60	15.51
60-70	7.58
70-80	2.39
80-90	0.84
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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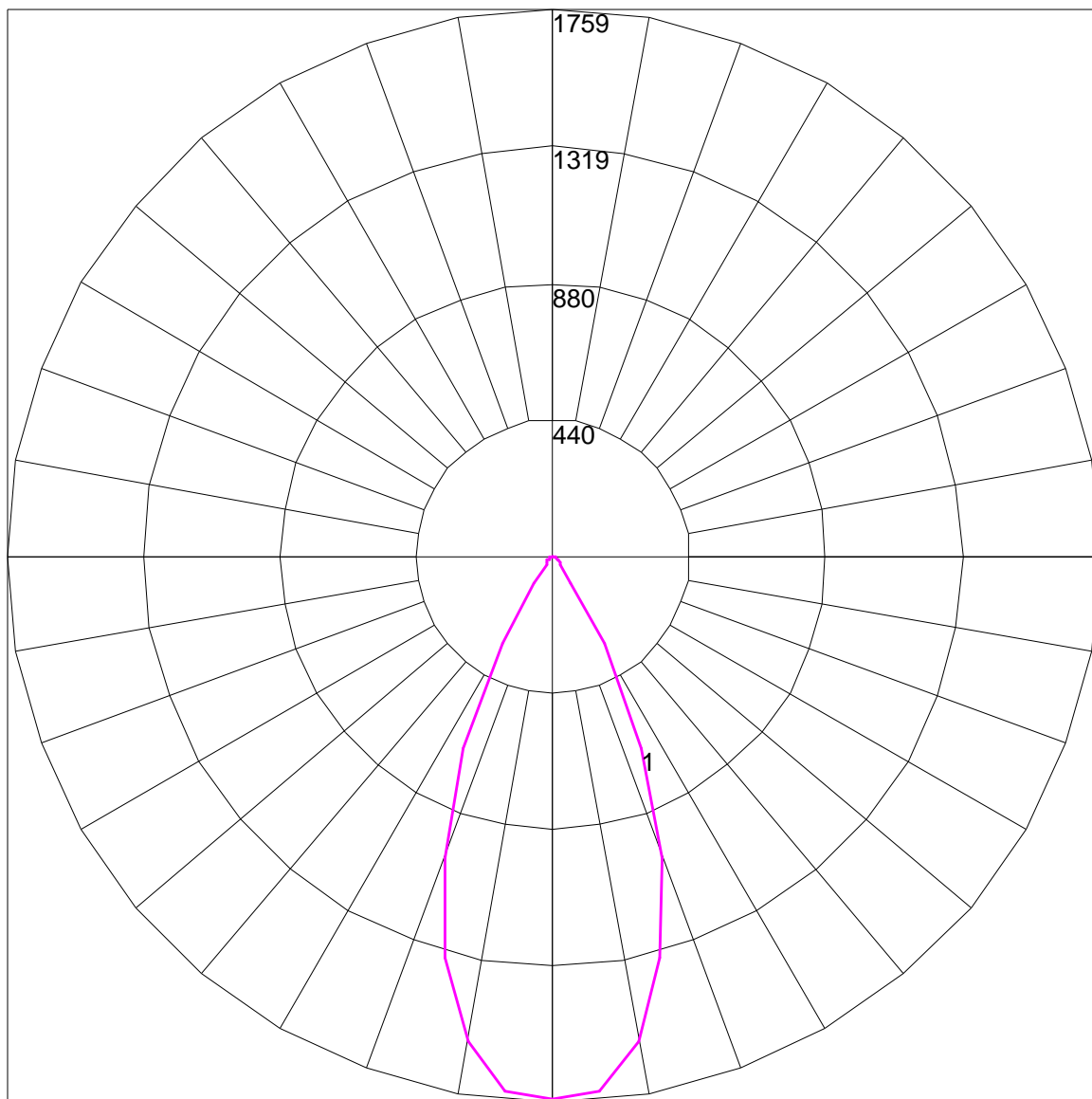
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	89	87	85	83
4	99	92	87	83	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	74	71	68	67
8	83	75	69	66	82	74	69	65	73	68	65	72	68	65	71	67	65	63
9	80	71	66	62	79	71	66	62	70	65	62	69	65	62	68	64	61	60
10	77	68	63	59	76	68	62	59	67	62	59	66	62	59	65	61	59	57

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POLAR GRAPH



Maximum Candela = 1759.141 Located At Horizontal Angle = 67.5, Vertical Angle = 5
1 - Vertical Plane Through Horizontal Angles (0 - 180)