

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP-00545_27 ~ SS3DMX-XT13LE1-SDD3X-XXK-NDMWNL.IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] SP-00545_27_M-13L
 [TESTLAB] VLS-245-981
 [MANUFAC] Spectrum Lighting
 [ISSUEDATE] 2/17/2017
 [UPDATE] 5/1/2017
 [LUMCAT] SS3DMx-XT13L-E1-SDD3x-xxK-ND-MW-NL
 [LUMINAIRE] Nom. 3" Square Downlight, Deep profile, Narrow Beam
 [OTHER] Matte White Trim, No Lens
 [OTHER] 26.8 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	762
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	51
Total Luminaire Watts	15
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.52
Spacing Criterion (90-270)	0.52
Spacing Criterion (Diagonal)	0.58
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	2996	3923	2996
55	2360	5020	2360
65	2643	3856	2643
75	591	750	591
85	1032	886	1032

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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	1851.398	1851.398	1851.398	1851.398	1851.398
5	1982.728	1962.100	1936.328	1962.100	1982.728
10	1626.885	1663.609	1646.631	1663.609	1626.885
15	897.394	923.536	948.000	923.536	897.394
20	589.705	629.013	637.967	629.013	589.705
25	321.606	425.007	462.379	425.007	321.606
30	140.640	225.897	327.085	225.897	140.640
35	35.778	68.087	165.548	68.087	35.778
40	26.689	26.750	51.618	26.750	26.689
45	19.238	22.166	25.191	22.166	19.238
50	16.221	20.847	25.544	20.847	16.221
55	12.295	17.618	26.146	17.618	12.295
60	16.275	22.627	28.466	22.627	16.275
65	10.145	14.680	14.797	14.680	10.145
70	2.682	3.618	3.106	3.618	2.682
75	1.388	1.262	1.762	1.262	1.388
80	1.010	1.097	1.314	1.097	1.010
85	0.817	0.968	0.701	0.968	0.817
90	0.000	0.000	0.000	0.000	0.000

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Zone	Lumens	%Lamp	%Fixt
0-20	454.69	N.A.	59.70
0-30	643.50	N.A.	84.50
0-40	709.35	N.A.	93.10
0-60	746.26	N.A.	97.90
0-80	761.19	N.A.	99.90
0-90	761.97	N.A.	100.00
10-90	587.22	N.A.	77.10
20-40	254.66	N.A.	33.40
20-50	273.57	N.A.	35.90
40-70	49.94	N.A.	6.60
60-80	14.94	N.A.	2.00
70-80	1.90	N.A.	0.20
80-90	0.78	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	761.97	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	174.75
10-20	279.94
20-30	188.81
30-40	65.85
40-50	18.91
50-60	18.00
60-70	13.03
70-80	1.90
80-90	0.78
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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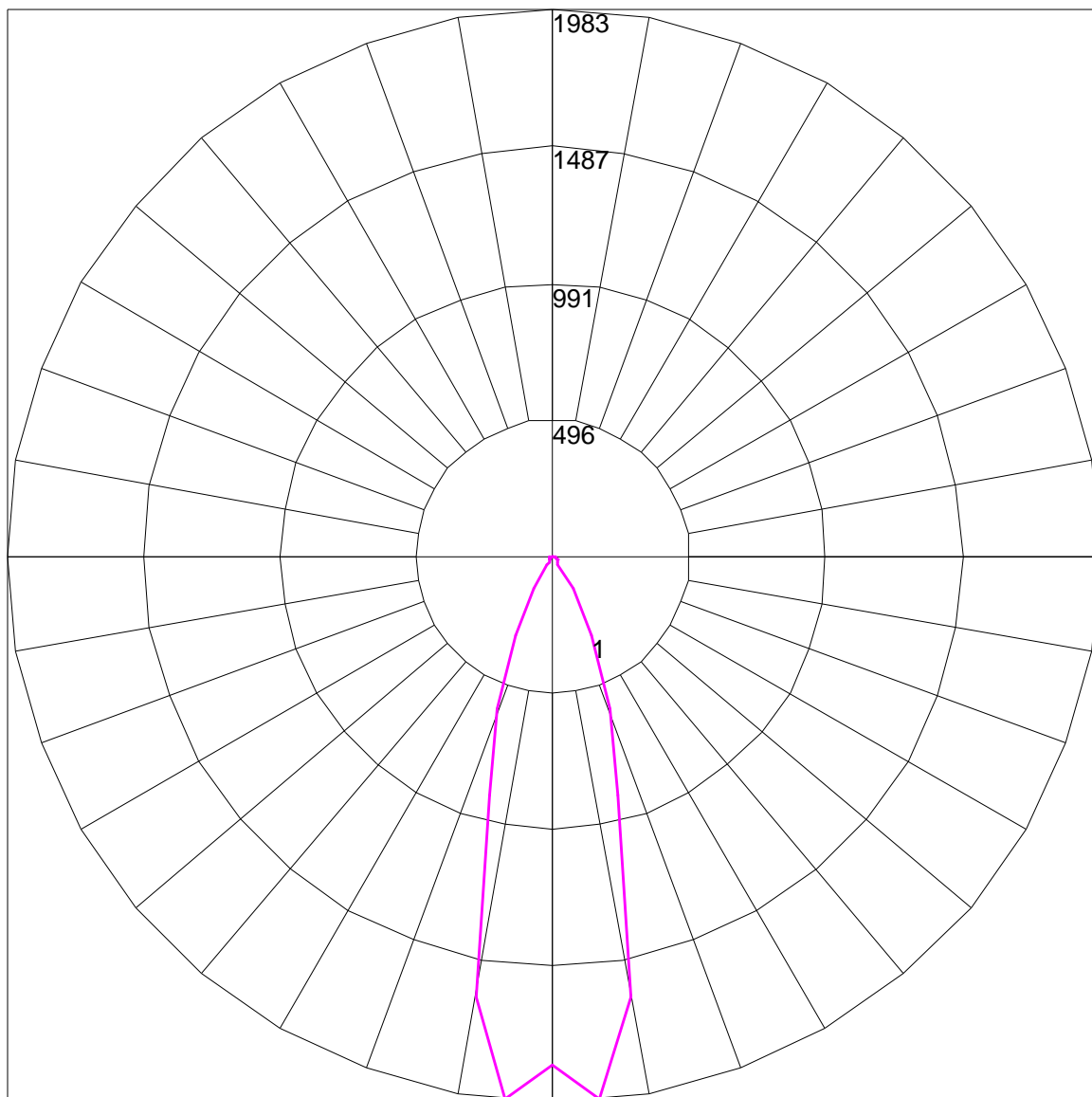
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	112	109	107	112	109	107	106	105	104	102	102	100	99	98	97	96	95
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	93	91	89
3	105	99	94	91	103	98	93	90	95	92	89	93	90	87	90	88	86	85
4	100	94	89	85	99	93	88	85	90	87	84	89	85	83	87	84	82	80
5	96	89	84	80	95	88	83	80	86	82	79	85	81	78	83	80	78	76
6	93	85	80	76	91	84	79	76	83	78	75	81	78	75	80	77	74	73
7	89	81	76	72	88	80	76	72	79	75	72	78	74	71	77	74	71	70
8	86	78	73	69	85	77	72	69	76	72	69	75	71	68	74	71	68	67
9	83	75	70	66	82	74	69	66	73	69	66	72	68	66	72	68	65	64
10	80	72	67	63	79	71	67	63	71	66	63	70	66	63	69	66	63	62

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POLAR GRAPH



Maximum Candela = 1982.728 Located At Horizontal Angle = 0, Vertical Angle = 5
1 - Vertical Plane Through Horizontal Angles (0 - 180)