

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP-00545_27 ~ SS3DMX-XT30LE1-SDD3X-XXK-NDMWNL.IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] SP-00545_27_M-30L
 [TESTLAB] VLS-245-981
 [MANUFAC] Spectrum Lighting
 [ISSUE DATE] 2/17/2017
 [UPDATE] 5/1/2017
 [LUMCAT] SS3DMx-XT30L-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 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	1758
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	51
Total Luminaire Watts	34.6
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

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00545_27 ~ SS3DMX-XT30LE1-SDD3X-XXK-NDMWNL.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	6914	9053	6914
55	5447	11584	5447
65	6100	8897	6100
75	1363	1730	1363
85	2382	2043	2382

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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	4272.456	4272.456	4272.456	4272.456	4272.456
5	4575.526	4527.924	4468.449	4527.924	4575.526
10	3754.350	3839.097	3799.917	3839.097	3754.350
15	2070.909	2131.238	2187.691	2131.238	2070.909
20	1360.857	1451.568	1472.230	1451.568	1360.857
25	742.168	980.785	1067.028	980.785	742.168
30	324.553	521.301	754.812	521.301	324.553
35	82.564	157.125	382.034	157.125	82.564
40	61.590	61.731	119.118	61.731	61.590
45	44.395	51.153	58.134	51.153	44.395
50	37.434	48.109	58.949	48.109	37.434
55	28.372	40.656	60.337	40.656	28.372
60	37.557	52.217	65.691	52.217	37.557
65	23.410	33.877	34.146	33.877	23.410
70	6.189	8.349	7.167	8.349	6.189
75	3.203	2.913	4.066	2.913	3.203
80	2.331	2.530	3.033	2.530	2.331
85	1.885	2.235	1.617	2.235	1.885
90	0.000	0.000	0.000	0.000	0.000

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Zone	Lumens	%Lamp	%Fixt
0-20	1049.28	N.A.	59.70
0-30	1484.99	N.A.	84.50
0-40	1636.96	N.A.	93.10
0-60	1722.13	N.A.	97.90
0-80	1756.6	N.A.	99.90
0-90	1758.39	N.A.	100.00
10-90	1355.12	N.A.	77.10
20-40	587.67	N.A.	33.40
20-50	631.31	N.A.	35.90
40-70	115.25	N.A.	6.60
60-80	34.47	N.A.	2.00
70-80	4.39	N.A.	0.20
80-90	1.80	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	1758.39	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	403.27
10-20	646.01
20-30	435.71
30-40	151.96
40-50	43.64
50-60	41.54
60-70	30.07
70-80	4.39
80-90	1.80
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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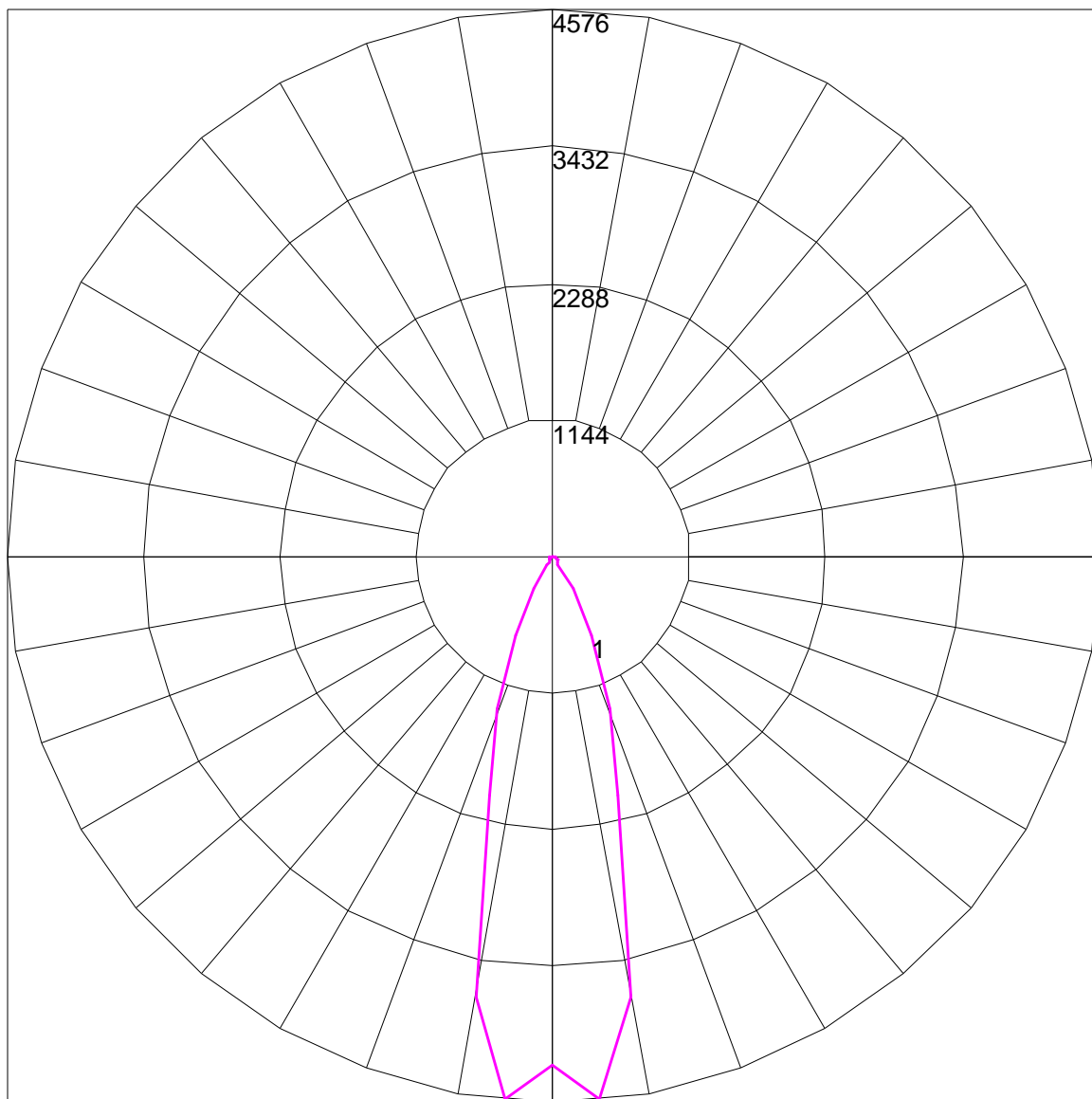
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	77
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 = 4575.526 Located At Horizontal Angle = 0, Vertical Angle = 5
1 - Vertical Plane Through Horizontal Angles (0 - 180)