

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: STREETWORKS

Report Number: P560345

Luminaire Tested: **SDL-PA1-40-727-U-T3-HSS-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560345
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-1)
Test Lab: INNOVATION CENTER
Issue Date: 7/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: SDL-PA1-40-727-U-T3-HSS-A
Description: Springdale
(1) 70 CRI, 2700K, 500mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS,
HOUSE SIDE SHIELD AND CLEAR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2892.4 lumens
Efficiency: N/A
Efficacy: 73.4 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.21' x L: 1.21' x H: 0.96')
IES Classification: Type IV - Medium
BUG Rating: B0 - U3 - G1

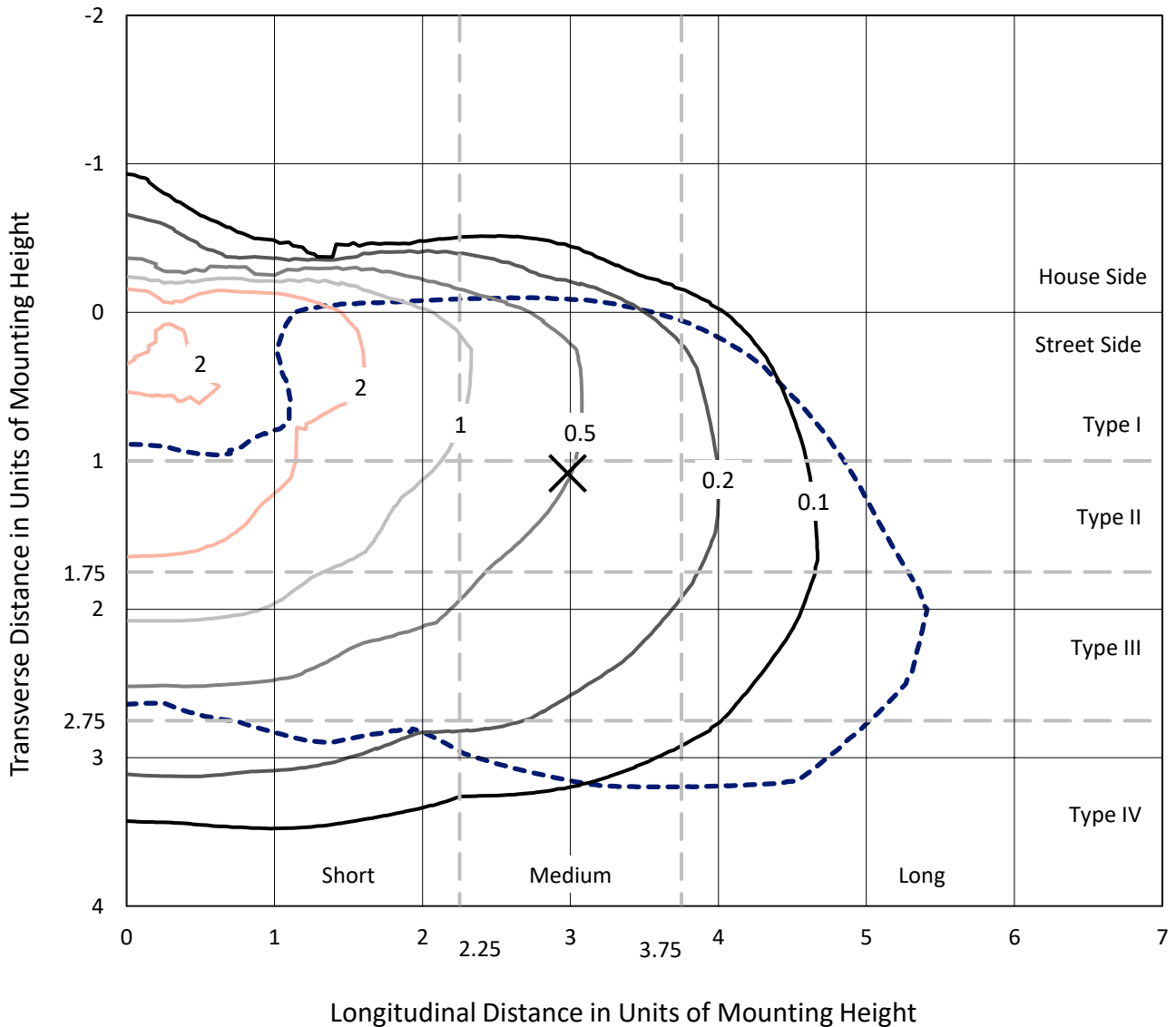
Input Watts (W): 39.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

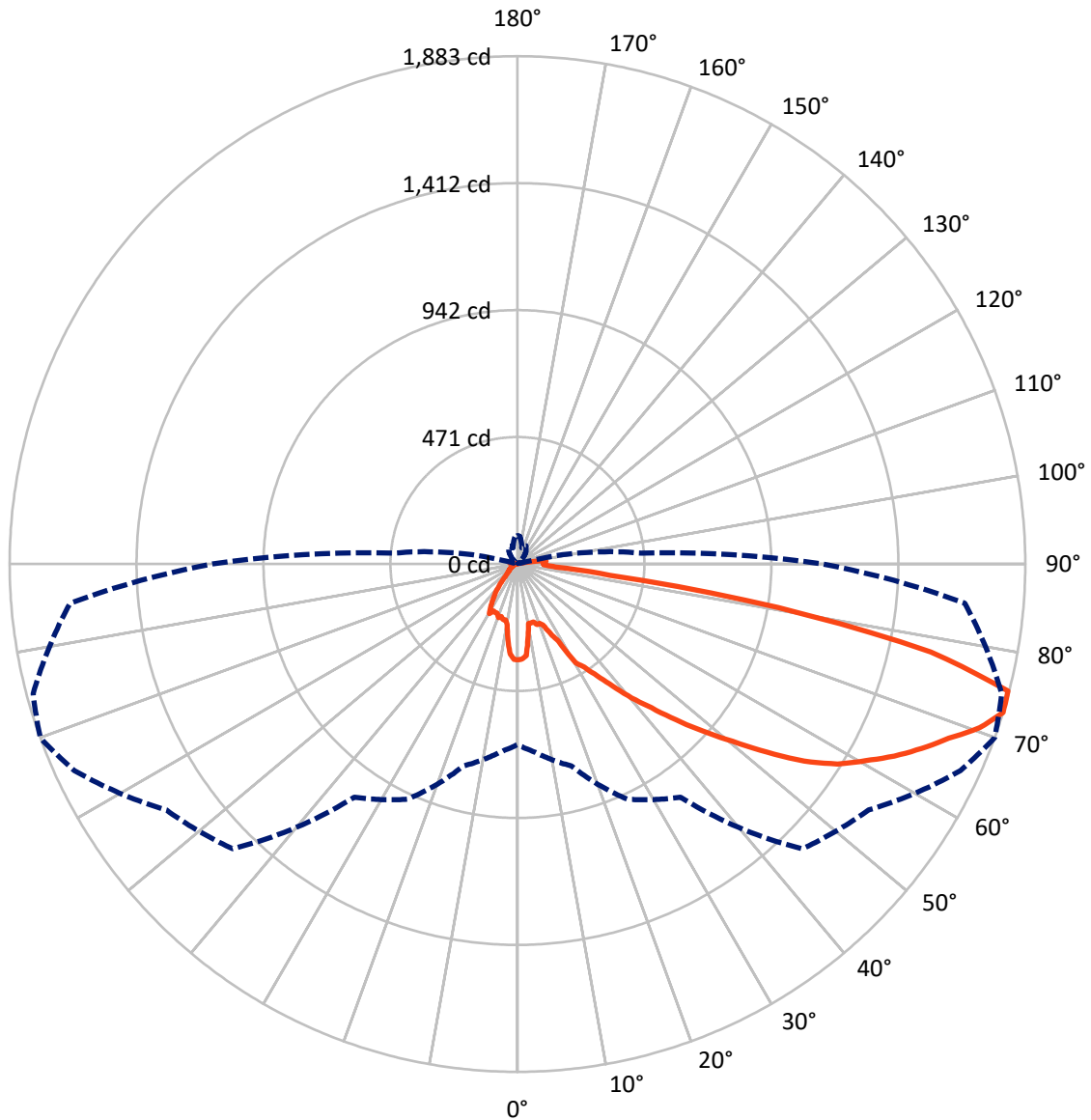
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 4.1 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 70-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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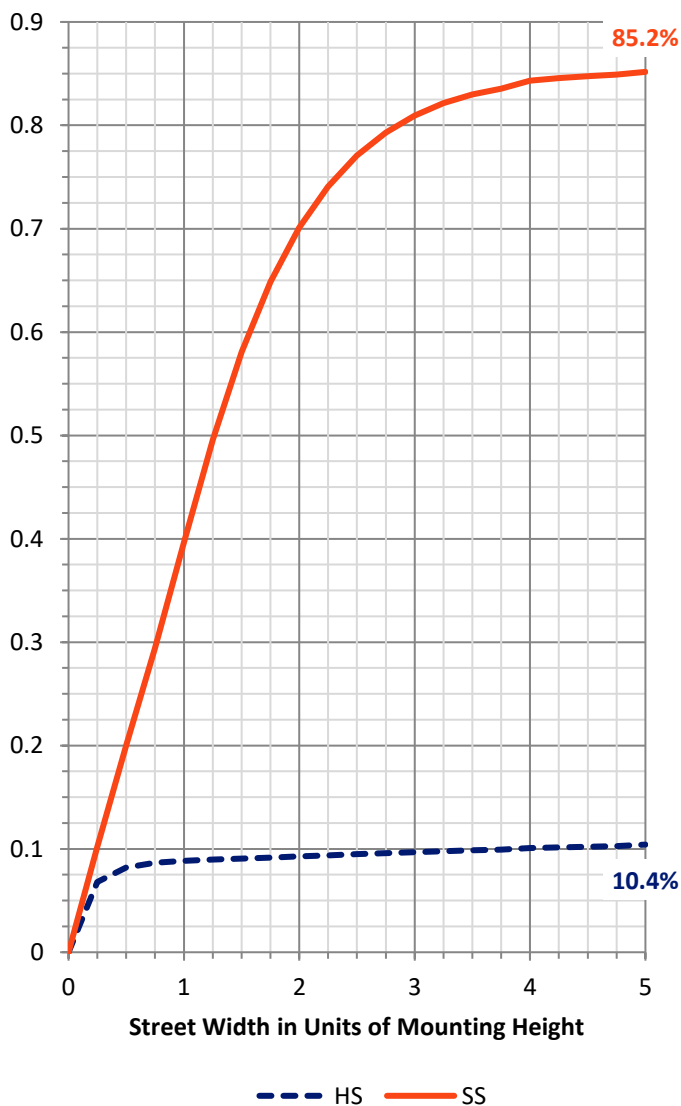
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	331.6	46.6	378.2
	% Fixture	11.5	1.6	13.1
Street Side	Lumens	2476.5	37.7	2514.2
	% Fixture	85.6	1.3	86.9
Total	Lumens	2808.0	84.3	2892.4
	% Fixture	97.1	2.9	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	27.4	0.9
10°-20°	54.2	1.9
20°-30°	87.7	3.0
30°-40°	187.5	6.5
40°-50°	368.6	12.7
50°-60°	615.5	21.3
60°-70°	763.9	26.4
70°-80°	588.3	20.3
80°-90°	115.0	4.0
90°-100°	62.4	2.2
100°-110°	12.9	0.4
110°-120°	3.7	0.1
120°-130°	2.8	0.1
130°-140°	1.3	0.0
140°-150°	0.6	0.0
150°-160°	0.6	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2808.0	97.1
0°-180°	2892.4	100.0

Coefficient of Utilization



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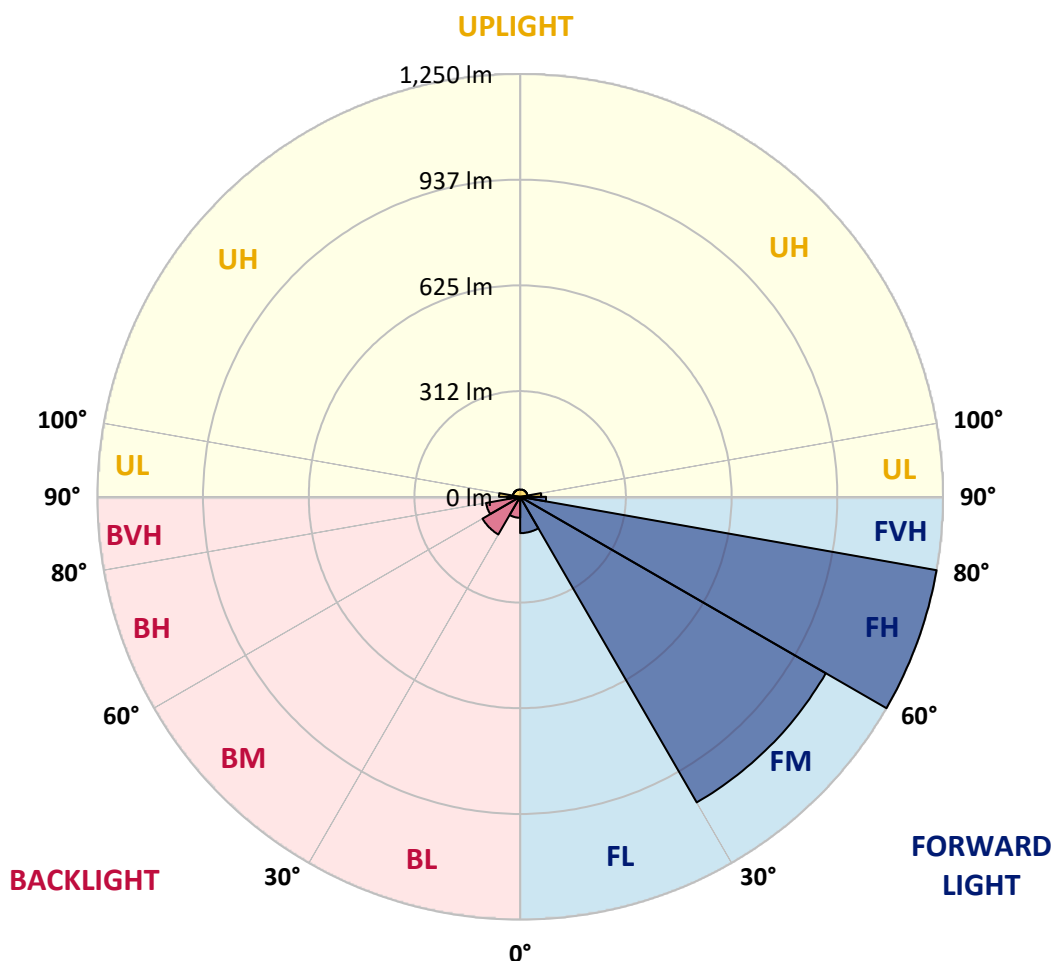
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	107.3	3.7			
FM (30°-60°)	1042.9	36.1			
FH (60°-80°)	1249.7	43.2			G1/1800
FVH (80°-90°)	76.5	2.6			G1/100
BL (0°-30°)	62.0	2.1	B0/110		
BM (30°-60°)	128.6	4.4	B0/220		
BH (60°-80°)	102.5	3.5	B0/110		G0/110
BVH (80°-90°)	38.5	1.3			G1/100
UL (90°-100°)	62.4	2.2		U3/500	
UH (100°-180°)	21.9	0.8		U2/50	

BUG Rating: B0-U3-G1

Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	355.3	355.3	355.3	355.3	355.3	355.3	355.3	355.3	355.3	355.3	355.3
2.5°	299.6	332.7	334.2	337.2	340.2	344.7	352.3	352.3	352.3	352.3	353.8
5°	284.5	284.5	284.5	287.5	287.5	290.5	292.0	337.2	341.7	346.2	346.2
7.5°	236.3	258.9	260.4	269.5	280.0	284.5	287.5	284.5	280.0	298.1	305.6
10°	258.9	258.9	258.9	261.9	246.9	239.4	221.3	222.8	224.3	237.9	271.0
12.5°	215.3	228.8	242.4	257.4	237.9	213.8	209.3	221.3	224.3	200.2	237.9
15°	251.4	249.9	249.9	236.3	197.2	213.8	186.7	197.2	222.8	243.9	283.0
17.5°	207.7	201.7	234.8	231.8	210.8	168.6	215.3	213.8	236.3	218.3	243.9
20°	246.9	245.4	245.4	189.7	209.3	227.3	224.3	209.3	234.8	261.9	308.6
22.5°	207.7	204.7	210.8	227.3	207.7	234.8	204.7	258.9	246.9	239.4	224.3
25°	261.9	260.4	260.4	207.7	234.8	215.3	258.9	236.3	286.0	311.6	340.2
27.5°	234.8	234.8	224.3	240.9	224.3	271.0	248.4	298.1	323.7	340.2	411.0
30°	325.2	326.7	308.6	239.4	249.9	254.4	293.6	368.8	424.5	465.2	508.8
32.5°	468.2	459.2	383.9	326.7	265.0	314.6	325.2	429.0	456.1	499.8	537.4
35°	636.8	632.3	566.0	423.0	319.1	337.2	362.8	466.7	508.8	552.5	575.1
37.5°	752.7	748.2	706.0	538.9	385.4	392.9	395.9	519.4	573.6	617.2	627.8
40°	847.5	840.0	814.4	629.3	474.2	459.2	444.1	591.6	653.3	689.5	694.0
42.5°	990.6	978.5	913.8	733.1	564.5	548.0	496.8	654.9	728.6	776.8	779.8
45°	1162.2	1151.6	1061.3	877.7	660.9	656.4	590.1	736.1	823.5	880.7	864.1
47.5°	1279.6	1251.0	1199.8	1016.2	809.9	770.8	694.0	818.9	925.8	1011.6	965.0
50°	1386.5	1365.4	1321.7	1169.7	971.0	918.3	802.4	913.8	1034.2	1112.5	1049.3
52.5°	1485.8	1454.2	1418.1	1284.1	1109.5	1083.9	909.3	1008.6	1159.2	1223.9	1136.6
55°	1535.5	1485.8	1479.8	1388.0	1216.4	1195.3	1029.7	1126.0	1290.1	1335.3	1219.4
57.5°	1454.2	1452.7	1499.4	1451.2	1303.7	1293.1	1151.6	1252.5	1400.0	1421.1	1300.7
60°	1400.0	1401.5	1472.3	1475.3	1380.5	1386.5	1261.5	1398.5	1481.3	1494.9	1377.5
62.5°	1305.2	1315.7	1422.6	1491.9	1400.0	1475.3	1354.9	1499.4	1568.6	1573.2	1472.3
65°	1186.3	1196.8	1305.2	1446.7	1379.0	1534.0	1433.2	1612.3	1648.4	1651.4	1576.2
67.5°	1047.8	1052.3	1172.7	1329.3	1327.8	1555.1	1481.3	1687.6	1725.2	1734.2	1665.0
70°	894.2	888.2	998.1	1178.7	1217.9	1544.6	1540.0	1761.3	1818.5	1817.0	1726.7
72.5°	669.9	698.5	775.3	962.0	1055.3	1493.4	1589.7	1812.5	1883.3	1859.2	1665.0
75°	228.8	243.9	451.6	612.7	812.9	1356.4	1600.3	1815.5	1878.8	1771.9	1362.4
77.5°	75.3	70.8	100.9	243.9	451.6	939.4	1407.6	1583.7	1567.1	1377.5	837.0
80°	36.1	37.6	45.2	85.8	165.6	426.0	883.7	1002.6	980.0	722.6	362.8
82.5°	24.1	25.6	30.1	49.7	93.3	146.0	469.7	457.6	346.2	227.3	149.0
85°	10.5	10.5	15.1	25.6	57.2	96.3	179.1	156.6	141.5	131.0	121.9
87.5°	3.0	3.0	6.0	9.0	19.6	60.2	100.9	94.8	97.9	102.4	115.9
90°	3.0	3.0	3.0	3.0	15.1	63.2	102.4	96.3	96.3	102.4	121.9
92.5°	4.5	4.5	3.0	3.0	13.5	63.2	106.9	91.8	97.9	103.9	131.0
95°	4.5	6.0	3.0	1.5	10.5	64.7	109.9	97.9	106.9	105.4	140.0
97.5°	6.0	6.0	3.0	1.5	6.0	55.7	111.4	79.8	81.3	75.3	109.9
100°	7.5	7.5	3.0	3.0	4.5	28.6	82.8	51.2	31.6	24.1	36.1
102.5°	9.0	9.0	3.0	3.0	3.0	10.5	37.6	30.1	16.6	4.5	9.0
105°	9.0	10.5	3.0	3.0	1.5	4.5	16.6	12.0	6.0	4.5	9.0
107.5°	10.5	10.5	3.0	3.0	1.5	3.0	4.5	4.5	3.0	4.5	9.0
110°	10.5	10.5	4.5	3.0	1.5	3.0	1.5	3.0	3.0	4.5	10.5



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
112.5°	7.5	7.5	3.0	4.5	1.5	1.5	1.5	3.0	3.0	4.5	9.0
115°	4.5	3.0	1.5	3.0	1.5	1.5	1.5	3.0	3.0	3.0	7.5
117.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	3.0	3.0	4.5	9.0
120°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	3.0	3.0	6.0	10.5
122.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	3.0	6.0	12.0
125°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	3.0	4.5	10.5
127.5°	1.5	1.5	1.5	0.0	1.5	1.5	1.5	1.5	3.0	4.5	9.0
130°	1.5	1.5	1.5	0.0	1.5	1.5	1.5	1.5	1.5	3.0	6.0
132.5°	1.5	1.5	1.5	0.0	1.5	1.5	1.5	1.5	1.5	3.0	6.0
135°	1.5	1.5	1.5	0.0	1.5	1.5	1.5	1.5	1.5	1.5	3.0
137.5°	1.5	1.5	0.0	0.0	1.5	1.5	1.5	1.5	1.5	1.5	1.5
140°	0.0	0.0	0.0	0.0	1.5	1.5	1.5	1.5	1.5	1.5	1.5
142.5°	0.0	0.0	0.0	0.0	1.5	1.5	1.5	1.5	1.5	1.5	1.5
145°	0.0	0.0	0.0	0.0	1.5	1.5	1.5	1.5	1.5	1.5	1.5
147.5°	0.0	0.0	0.0	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
150°	3.0	3.0	3.0	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
152.5°	3.0	3.0	3.0	1.5	1.5	1.5	1.5	3.0	3.0	1.5	1.5
155°	1.5	1.5	1.5	0.0	0.0	1.5	1.5	1.5	1.5	3.0	3.0
157.5°	0.0	1.5	1.5	0.0	0.0	1.5	1.5	1.5	1.5	1.5	1.5
160°	0.0	0.0	0.0	0.0	0.0	1.5	1.5	1.5	1.5	1.5	1.5
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	355.3	355.3	355.3	355.3	355.3	355.3	355.3	355.3	355.3	355.3	355.3
2.5°	353.8	353.8	352.3	355.3	353.8	353.8	334.2	314.6	310.1	311.6	314.6
5°	347.7	347.7	347.7	323.7	296.6	287.5	290.5	290.5	290.5	289.0	292.0
7.5°	307.1	305.6	301.1	274.0	286.0	284.5	283.0	280.0	243.9	234.8	234.8
10°	272.5	272.5	233.3	222.8	222.8	231.8	237.9	228.8	224.3	216.8	215.3
12.5°	239.4	239.4	200.2	222.8	188.2	186.7	182.2	167.1	141.5	123.4	124.9
15°	284.5	284.5	236.3	189.7	158.1	149.0	93.3	87.3	84.3	82.8	81.3
17.5°	242.4	243.9	218.3	188.2	147.5	78.3	66.2	66.2	66.2	63.2	57.2
20°	307.1	307.1	254.4	168.6	111.4	61.7	51.2	45.2	61.7	61.7	61.7
22.5°	222.8	219.8	224.3	171.6	69.2	49.7	42.2	52.7	55.7	46.7	46.7
25°	337.2	332.7	272.5	123.4	57.2	39.1	46.7	40.6	52.7	52.7	52.7
27.5°	415.5	385.4	277.0	112.9	42.2	45.2	37.6	45.2	40.6	39.1	39.1
30°	499.8	486.2	334.2	88.8	40.6	37.6	39.1	36.1	42.2	39.1	39.1
32.5°	526.9	513.3	302.6	69.2	39.1	36.1	33.1	34.6	33.1	34.6	34.6
35°	561.5	548.0	268.0	52.7	36.1	31.6	30.1	30.1	28.6	27.1	27.1
37.5°	611.2	588.6	228.8	45.2	33.1	28.6	24.1	22.6	24.1	30.1	31.6
40°	668.4	630.8	180.6	40.6	28.6	24.1	18.1	21.1	25.6	25.6	25.6
42.5°	751.2	682.0	134.0	37.6	25.6	19.6	13.5	16.6	19.6	27.1	27.1
45°	823.5	712.1	94.8	34.6	21.1	15.1	10.5	16.6	21.1	24.1	24.1
47.5°	907.8	740.7	70.8	33.1	19.6	10.5	12.0	16.6	16.6	25.6	25.6
50°	978.5	746.7	57.2	30.1	15.1	7.5	15.1	15.1	18.1	22.6	22.6
52.5°	1044.8	752.7	51.2	27.1	12.0	6.0	15.1	15.1	21.1	27.1	27.1
55°	1088.4	734.6	46.7	24.1	10.5	4.5	16.6	16.6	16.6	21.1	21.1
57.5°	1123.0	712.1	43.7	21.1	9.0	9.0	18.1	21.1	18.1	21.1	21.1
60°	1145.6	671.4	37.6	19.6	7.5	9.0	22.6	27.1	21.1	31.6	31.6
62.5°	1186.3	639.8	33.1	18.1	6.0	9.0	22.6	34.6	27.1	42.2	43.7
65°	1219.4	611.2	28.6	13.5	6.0	12.0	25.6	43.7	33.1	52.7	54.2
67.5°	1232.9	576.6	24.1	12.0	6.0	13.5	33.1	54.2	42.2	61.7	61.7
70°	1222.4	540.4	19.6	12.0	6.0	21.1	43.7	63.2	51.2	75.3	76.8
72.5°	1130.6	460.7	15.1	12.0	4.5	22.6	54.2	75.3	61.7	102.4	105.4
75°	865.6	292.0	15.1	12.0	6.0	25.6	63.2	87.3	73.8	114.4	118.9
77.5°	528.4	135.5	15.1	13.5	7.5	31.6	69.2	100.9	81.3	123.4	126.5
80°	234.8	84.3	15.1	15.1	15.1	39.1	81.3	111.4	91.8	131.0	135.5
82.5°	117.4	63.2	13.5	15.1	22.6	46.7	96.3	118.9	94.8	135.5	137.0
85°	100.9	57.2	13.5	16.6	24.1	54.2	103.9	120.4	99.4	134.0	135.5
87.5°	96.3	54.2	16.6	16.6	27.1	57.2	106.9	126.5	102.4	129.5	128.0
90°	100.9	52.7	18.1	19.6	34.6	58.7	108.4	123.4	102.4	121.9	121.9
92.5°	103.9	51.2	19.6	22.6	42.2	66.2	106.9	120.4	102.4	112.9	112.9
95°	106.9	51.2	22.6	25.6	42.2	72.3	102.4	109.9	94.8	100.9	99.4
97.5°	81.3	37.6	27.1	28.6	39.1	55.7	82.8	85.8	61.7	60.2	58.7
100°	28.6	16.6	27.1	31.6	24.1	24.1	49.7	60.2	36.1	22.6	25.6
102.5°	9.0	7.5	24.1	31.6	19.6	9.0	25.6	37.6	27.1	3.0	3.0
105°	9.0	9.0	13.5	25.6	13.5	3.0	9.0	21.1	16.6	3.0	3.0
107.5°	9.0	7.5	6.0	15.1	4.5	3.0	4.5	4.5	4.5	1.5	3.0
110°	10.5	7.5	3.0	4.5	3.0	3.0	3.0	3.0	3.0	6.0	6.0



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	10.5	7.5	3.0	4.5	3.0	3.0	3.0	1.5	3.0	7.5	9.0
115°	9.0	7.5	3.0	3.0	3.0	3.0	1.5	1.5	3.0	9.0	9.0
117.5°	10.5	9.0	3.0	3.0	1.5	3.0	1.5	1.5	3.0	9.0	10.5
120°	12.0	10.5	3.0	3.0	1.5	1.5	1.5	1.5	3.0	7.5	9.0
122.5°	12.0	12.0	3.0	1.5	1.5	1.5	1.5	1.5	4.5	7.5	7.5
125°	10.5	10.5	3.0	1.5	1.5	1.5	1.5	1.5	4.5	7.5	7.5
127.5°	9.0	9.0	3.0	1.5	1.5	1.5	1.5	1.5	3.0	6.0	7.5
130°	7.5	7.5	3.0	1.5	1.5	1.5	0.0	1.5	3.0	6.0	6.0
132.5°	6.0	4.5	3.0	1.5	1.5	1.5	0.0	1.5	3.0	4.5	6.0
135°	4.5	4.5	1.5	1.5	1.5	1.5	0.0	0.0	3.0	3.0	4.5
137.5°	3.0	1.5	1.5	1.5	1.5	0.0	0.0	0.0	1.5	3.0	3.0
140°	1.5	1.5	1.5	1.5	1.5	0.0	0.0	0.0	0.0	1.5	1.5
142.5°	1.5	1.5	1.5	1.5	1.5	0.0	0.0	0.0	0.0	1.5	1.5
145°	1.5	1.5	1.5	1.5	1.5	0.0	0.0	0.0	0.0	1.5	1.5
147.5°	1.5	1.5	1.5	1.5	1.5	0.0	0.0	0.0	0.0	1.5	1.5
150°	1.5	1.5	1.5	1.5	1.5	0.0	0.0	0.0	0.0	1.5	1.5
152.5°	1.5	1.5	1.5	1.5	1.5	0.0	0.0	0.0	1.5	1.5	1.5
155°	3.0	3.0	3.0	1.5	1.5	0.0	0.0	0.0	0.0	1.5	1.5
157.5°	1.5	1.5	1.5	1.5	1.5	0.0	0.0	0.0	0.0	0.0	0.0
160°	1.5	1.5	1.5	1.5	1.5	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)