

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: P560173

Luminaire Tested: **SDL-PA1-30-727-U-T4W-HSS-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560173
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-9)
Test Lab: INNOVATION CENTER
Issue Date: 7/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: SDL-PA1-30-727-U-T4W-HSS-A
Description: Springdale
(1) 70 CRI, 2700K, 375mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS, HOUSE SIDE SHEILD AND CLEAR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2156.7 lumens
Efficiency: N/A
Efficacy: 71.6 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

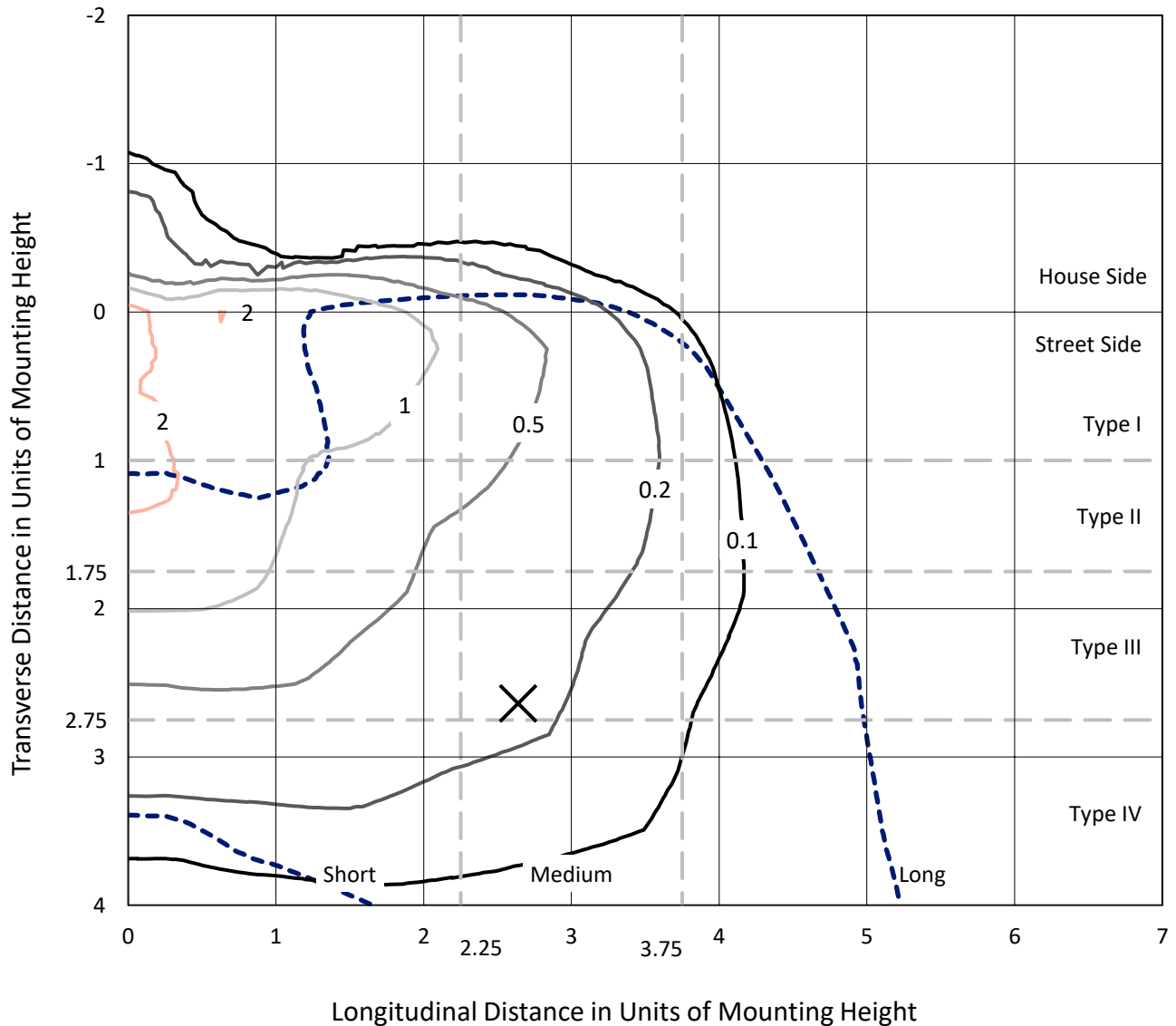
Input Watts (W): 30.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

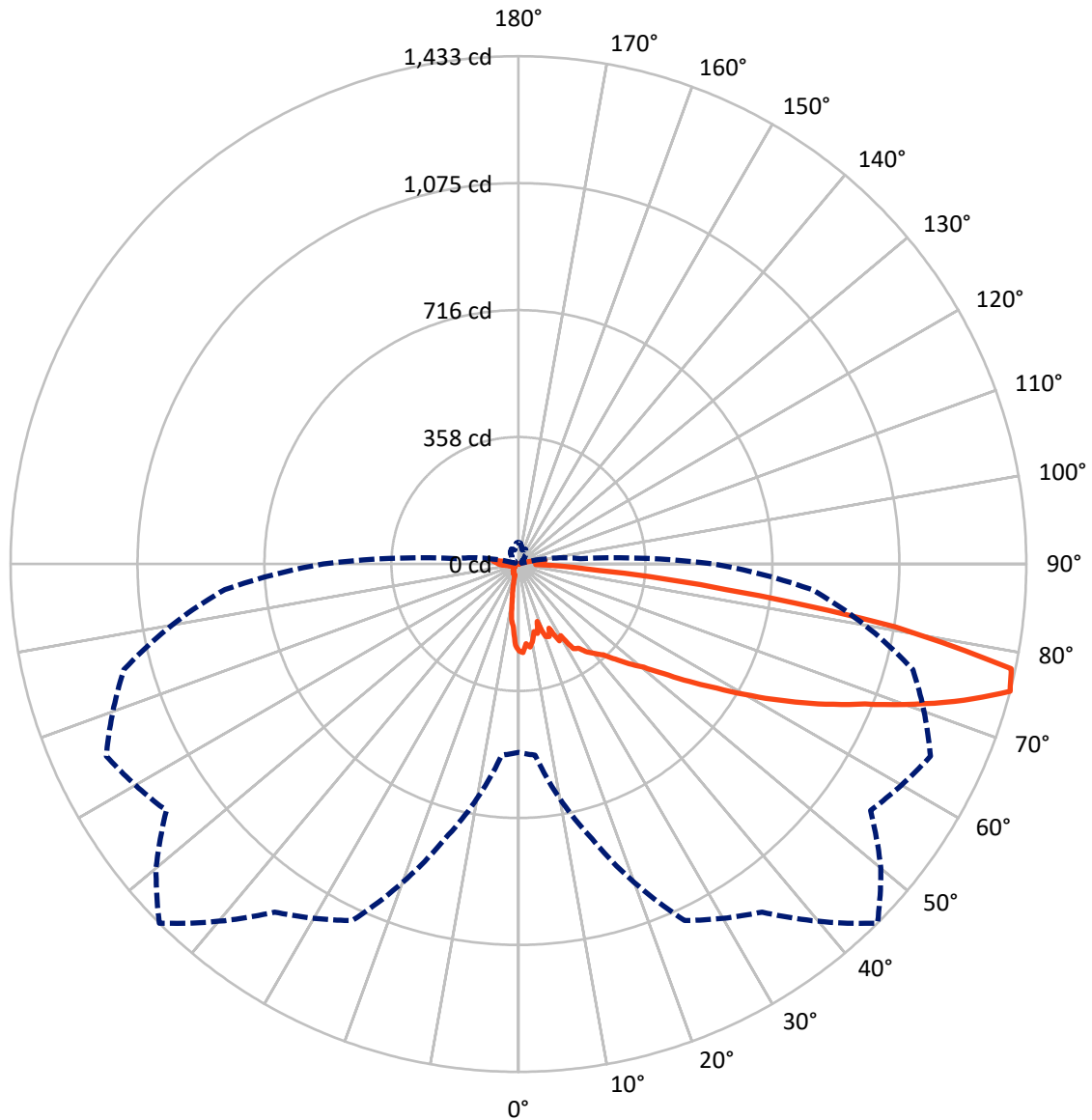
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 2.6 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

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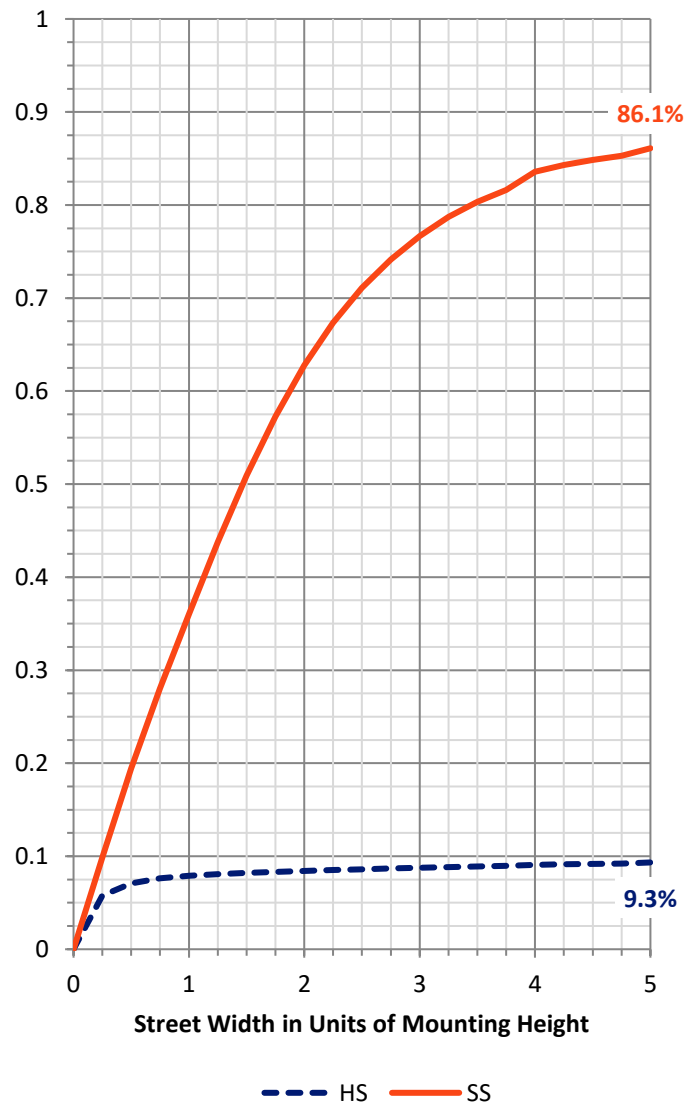
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	221.3	38.8	260.1
	% Fixture	10.3	1.8	12.1
Street Side	Lumens	1866.6	30.0	1896.6
	% Fixture	86.6	1.4	87.9
Total	Lumens	2087.9	68.7	2156.7
	% Fixture	96.8	3.2	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	19.1	0.9
10°-20°	41.3	1.9
20°-30°	69.2	3.2
30°-40°	128.4	6.0
40°-50°	216.3	10.0
50°-60°	388.3	18.0
60°-70°	583.0	27.0
70°-80°	533.4	24.7
80°-90°	109.1	5.1
90°-100°	52.2	2.4
100°-110°	11.1	0.5
110°-120°	2.1	0.1
120°-130°	1.7	0.1
130°-140°	0.8	0.0
140°-150°	0.4	0.0
150°-160°	0.4	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2087.9	96.8
0°-180°	2156.7	100.0



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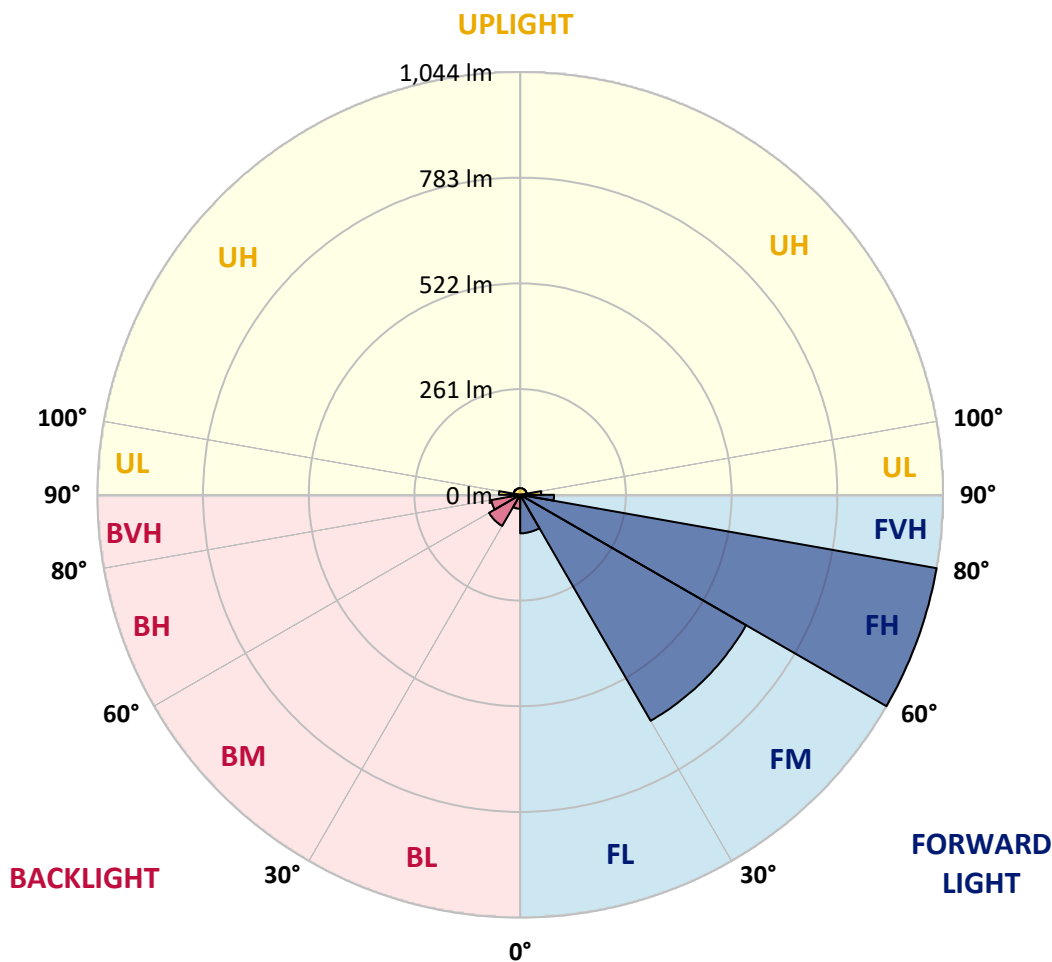
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	95.0	4.4			
FM (30°-60°)	644.1	29.9			
FH (60°-80°)	1043.8	48.4			G1/1800
FVH (80°-90°)	83.6	3.9			G1/100
BL (0°-30°)	34.5	1.6	B0/110		
BM (30°-60°)	88.8	4.1	B0/220		
BH (60°-80°)	72.5	3.4	B0/110		G0/110
BVH (80°-90°)	25.4	1.2			G1/100
UL (90°-100°)	52.2	2.4		U3/500	
UH (100°-180°)	16.6	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°	50°	55°	65°	75°	85°
0°	245.7	245.7	245.7	245.7	245.7	245.7	245.7	245.7	245.7	245.7	245.7
2.5°	238.8	250.3	246.9	252.6	251.5	250.3	250.3	251.5	250.3	248.0	245.7
5°	243.4	240.0	237.6	236.5	231.9	223.8	223.8	221.5	245.7	245.7	241.1
7.5°	250.3	250.3	245.7	242.3	242.3	236.5	230.7	226.1	214.6	211.1	211.1
10°	266.5	264.2	260.7	253.8	219.2	220.3	207.7	182.3	170.7	175.4	182.3
12.5°	269.9	268.8	264.2	263.0	230.7	196.1	162.7	182.3	174.2	145.4	161.5
15°	289.6	287.3	278.0	261.9	197.3	203.0	189.2	162.7	155.7	177.7	190.3
17.5°	246.9	246.9	276.9	253.8	214.6	170.7	169.6	189.2	170.7	159.2	158.0
20°	303.4	303.4	290.7	207.7	220.3	218.0	175.4	198.4	167.3	189.2	201.9
22.5°	252.6	251.5	260.7	257.3	211.1	222.6	180.0	181.1	199.6	170.7	146.5
25°	308.0	308.0	301.1	223.8	240.0	200.7	205.3	216.9	177.7	215.7	218.0
27.5°	265.3	264.2	251.5	256.1	223.8	245.7	186.9	204.2	218.0	233.0	256.1
30°	324.2	326.5	320.7	243.4	249.2	234.2	222.6	236.5	264.2	310.3	325.3
32.5°	400.3	402.6	341.5	293.0	250.3	284.9	238.8	260.7	303.4	325.3	341.5
35°	445.3	428.0	401.5	327.6	269.9	291.9	274.6	278.0	316.1	350.7	362.2
37.5°	483.4	460.3	429.1	338.0	284.9	314.9	286.1	290.7	342.6	373.8	388.8
40°	496.1	482.2	464.9	361.1	303.4	332.2	299.9	310.3	368.0	403.8	426.8
42.5°	527.2	528.4	518.0	393.4	323.0	350.7	323.0	329.9	401.5	445.3	478.8
45°	610.3	612.6	601.0	448.8	347.2	383.0	359.9	363.4	439.5	508.7	551.4
47.5°	716.4	708.3	696.8	522.6	384.2	419.9	402.6	399.2	484.5	591.8	629.9
50°	823.7	808.7	784.5	624.1	447.6	458.0	446.5	444.1	538.7	677.2	718.7
52.5°	935.6	924.1	873.3	719.9	542.2	513.4	500.7	513.4	609.1	771.8	809.8
55°	994.4	982.9	950.6	822.5	633.3	584.9	563.0	586.0	717.6	860.6	910.2
57.5°	1042.9	1039.4	1024.4	929.8	744.1	661.0	639.1	661.0	804.1	943.7	1002.5
60°	1112.1	1098.2	1112.1	1033.6	851.4	754.5	724.5	747.5	910.2	1016.3	1104.0
62.5°	1161.7	1158.2	1185.9	1150.2	941.4	852.5	808.7	830.6	1003.7	1093.6	1204.4
65°	1108.6	1125.9	1236.7	1226.3	1042.9	952.9	906.7	899.8	1079.8	1176.7	1311.7
67.5°	1014.0	1025.6	1187.1	1265.5	1131.7	1054.4	999.0	966.7	1150.2	1251.7	1397.0
70°	924.1	937.9	1085.6	1267.8	1174.4	1184.8	1107.5	1047.5	1220.5	1335.9	1415.5
72.5°	852.5	865.2	997.9	1240.1	1189.4	1315.1	1226.3	1132.9	1288.6	1338.2	1236.7
75°	531.8	541.0	802.9	1109.8	1198.6	1432.8	1334.7	1212.5	1282.8	1152.5	831.8
77.5°	163.8	167.3	343.8	732.6	1041.7	1421.3	1316.3	1139.8	1075.2	731.4	379.5
80°	56.5	57.7	88.8	260.7	623.0	1078.6	1003.7	838.7	642.6	269.9	143.0
82.5°	26.5	28.8	41.5	87.7	253.8	589.5	593.0	498.4	269.9	120.0	96.9
85°	9.2	9.2	17.3	38.1	98.1	227.3	215.7	200.7	141.9	108.4	90.0
87.5°	3.5	3.5	5.8	10.4	24.2	48.5	61.1	75.0	75.0	76.1	91.1
90°	3.5	3.5	2.3	2.3	17.3	50.8	61.1	68.1	62.3	69.2	99.2
92.5°	3.5	3.5	2.3	2.3	18.5	58.8	68.1	73.8	65.8	73.8	109.6
95°	3.5	3.5	2.3	2.3	20.8	71.5	79.6	78.4	65.8	77.3	117.7
97.5°	4.6	4.6	2.3	1.2	18.5	76.1	85.4	83.1	56.5	58.8	92.3
100°	4.6	4.6	2.3	1.2	11.5	56.5	68.1	66.9	36.9	9.2	26.5
102.5°	4.6	4.6	2.3	1.2	2.3	26.5	32.3	33.5	21.9	3.5	4.6
105°	5.8	5.8	2.3	1.2	1.2	4.6	10.4	13.8	8.1	2.3	4.6
107.5°	5.8	5.8	2.3	1.2	1.2	2.3	2.3	3.5	3.5	2.3	5.8
110°	5.8	5.8	2.3	2.3	1.2	1.2	1.2	1.2	2.3	2.3	5.8



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
112.5°	4.6	4.6	1.2	2.3	1.2	1.2	1.2	1.2	1.2	2.3	5.8
115°	2.3	2.3	1.2	1.2	0.0	1.2	1.2	1.2	1.2	2.3	4.6
117.5°	1.2	1.2	0.0	1.2	0.0	1.2	1.2	1.2	2.3	2.3	5.8
120°	1.2	1.2	0.0	0.0	0.0	0.0	1.2	1.2	1.2	3.5	6.9
122.5°	1.2	1.2	0.0	0.0	0.0	0.0	1.2	1.2	1.2	3.5	6.9
125°	1.2	1.2	0.0	0.0	0.0	0.0	1.2	1.2	1.2	3.5	6.9
127.5°	1.2	1.2	0.0	0.0	0.0	0.0	1.2	1.2	1.2	3.5	5.8
130°	1.2	1.2	0.0	0.0	0.0	0.0	1.2	1.2	1.2	2.3	4.6
132.5°	1.2	1.2	0.0	0.0	0.0	0.0	1.2	1.2	1.2	2.3	3.5
135°	1.2	1.2	0.0	0.0	0.0	0.0	1.2	1.2	1.2	1.2	2.3
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	1.2	1.2	1.2
140°	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	1.2	1.2	1.2
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	1.2	1.2	1.2
145°	0.0	0.0	0.0	0.0	1.2	1.2	1.2	1.2	1.2	1.2	1.2
147.5°	0.0	0.0	0.0	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
150°	3.5	3.5	2.3	1.2	0.0	0.0	1.2	1.2	1.2	1.2	1.2
152.5°	2.3	2.3	3.5	1.2	0.0	0.0	1.2	1.2	2.3	1.2	1.2
155°	2.3	2.3	1.2	0.0	0.0	0.0	0.0	1.2	1.2	2.3	2.3
157.5°	1.2	1.2	1.2	0.0	0.0	0.0	0.0	1.2	1.2	1.2	1.2
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	1.2	1.2
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°	245.7	245.7	245.7	245.7	245.7	245.7	245.7	245.7	245.7	245.7	245.7
2.5°	243.4	242.3	238.8	236.5	233.0	229.6	212.3	201.9	200.7	199.6	200.7
5°	238.8	235.3	229.6	203.0	190.3	178.8	175.4	173.0	167.3	167.3	168.4
7.5°	206.5	204.2	185.7	177.7	167.3	156.9	147.7	140.7	123.4	117.7	115.4
10°	181.1	176.5	144.2	128.1	117.7	106.1	106.1	96.9	92.3	88.8	87.7
12.5°	156.9	153.4	126.9	116.5	87.7	76.1	70.4	64.6	61.1	58.8	57.7
15°	183.4	177.7	136.1	93.4	64.6	54.2	42.7	41.5	51.9	54.2	55.4
17.5°	146.5	150.0	121.1	81.9	53.1	33.5	36.9	43.8	49.6	49.6	48.5
20°	195.0	186.9	131.5	65.8	38.1	33.5	35.8	32.3	46.1	49.6	49.6
22.5°	141.9	135.0	108.4	61.1	30.0	32.3	30.0	38.1	42.7	38.1	39.2
25°	211.1	200.7	125.7	42.7	31.1	27.7	34.6	30.0	41.5	45.0	46.1
27.5°	261.9	227.3	123.4	40.4	27.7	31.1	28.8	34.6	33.5	35.8	35.8
30°	312.6	293.0	139.6	36.9	27.7	26.5	30.0	30.0	38.1	41.5	41.5
32.5°	334.6	311.5	122.3	35.8	27.7	26.5	26.5	32.3	35.8	42.7	42.7
35°	357.6	326.5	102.7	33.5	26.5	25.4	25.4	32.3	38.1	42.7	43.8
37.5°	388.8	342.6	83.1	32.3	25.4	24.2	21.9	28.8	40.4	45.0	46.1
40°	428.0	365.7	64.6	30.0	23.1	21.9	20.8	28.8	34.6	40.4	40.4
42.5°	489.1	391.1	50.8	28.8	21.9	19.6	19.6	24.2	33.5	38.1	38.1
45°	551.4	421.1	42.7	27.7	20.8	18.5	18.5	24.2	25.4	32.3	32.3
47.5°	620.6	451.1	39.2	26.5	20.8	16.2	16.2	21.9	21.9	30.0	31.1
50°	692.2	476.4	36.9	25.4	18.5	15.0	18.5	15.0	18.5	28.8	31.1
52.5°	754.5	497.2	34.6	23.1	17.3	13.8	17.3	15.0	18.5	26.5	26.5
55°	817.9	508.7	33.5	21.9	16.2	11.5	17.3	16.2	17.3	24.2	24.2
57.5°	874.4	512.2	32.3	21.9	13.8	10.4	16.2	19.6	15.0	19.6	21.9
60°	925.2	508.7	28.8	19.6	10.4	10.4	17.3	23.1	20.8	23.1	23.1
62.5°	972.5	496.1	23.1	16.2	8.1	10.4	21.9	25.4	19.6	24.2	26.5
65°	1012.9	478.8	17.3	12.7	5.8	11.5	23.1	28.8	23.1	27.7	30.0
67.5°	1031.3	455.7	13.8	10.4	5.8	12.7	24.2	32.3	26.5	31.1	33.5
70°	1000.2	408.4	11.5	10.4	4.6	15.0	25.4	34.6	30.0	39.2	40.4
72.5°	830.6	320.7	10.4	10.4	8.1	18.5	32.3	39.2	36.9	53.1	51.9
75°	550.3	175.4	10.4	9.2	10.4	21.9	39.2	46.1	40.4	60.0	60.0
77.5°	253.8	77.3	9.2	10.4	11.5	24.2	45.0	55.4	46.1	68.1	66.9
80°	110.7	47.3	9.2	9.2	12.7	26.5	50.8	62.3	50.8	75.0	75.0
82.5°	83.1	42.7	8.1	9.2	17.3	30.0	58.8	69.2	56.5	80.8	79.6
85°	77.3	40.4	9.2	10.4	19.6	38.1	69.2	75.0	58.8	83.1	83.1
87.5°	78.4	39.2	9.2	10.4	26.5	48.5	78.4	80.8	64.6	87.7	87.7
90°	80.8	40.4	10.4	11.5	30.0	53.1	87.7	86.5	72.7	92.3	92.3
92.5°	86.5	40.4	11.5	12.7	32.3	58.8	95.8	88.8	78.4	95.8	93.4
95°	90.0	40.4	12.7	13.8	38.1	64.6	101.5	86.5	83.1	88.8	86.5
97.5°	66.9	30.0	15.0	16.2	39.2	72.7	93.4	73.8	54.2	53.1	54.2
100°	21.9	10.4	16.2	17.3	25.4	50.8	69.2	53.1	28.8	21.9	21.9
102.5°	5.8	5.8	15.0	16.2	13.8	21.9	40.4	34.6	19.6	1.2	2.3
105°	5.8	4.6	9.2	12.7	8.1	5.8	16.2	19.6	15.0	1.2	1.2
107.5°	5.8	4.6	4.6	6.9	2.3	2.3	4.6	4.6	4.6	1.2	1.2
110°	5.8	4.6	2.3	2.3	2.3	2.3	2.3	1.2	1.2	2.3	2.3



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	6.9	4.6	2.3	2.3	2.3	1.2	1.2	1.2	1.2	3.5	4.6
115°	5.8	4.6	1.2	2.3	1.2	1.2	1.2	1.2	2.3	4.6	5.8
117.5°	5.8	4.6	1.2	1.2	1.2	1.2	1.2	1.2	2.3	5.8	6.9
120°	6.9	5.8	1.2	1.2	1.2	1.2	1.2	1.2	2.3	6.9	6.9
122.5°	6.9	5.8	1.2	1.2	1.2	1.2	0.0	1.2	3.5	6.9	6.9
125°	6.9	5.8	1.2	1.2	1.2	0.0	0.0	1.2	3.5	6.9	8.1
127.5°	5.8	4.6	1.2	1.2	1.2	0.0	0.0	1.2	2.3	5.8	6.9
130°	4.6	3.5	1.2	1.2	1.2	0.0	0.0	0.0	2.3	5.8	5.8
132.5°	3.5	2.3	1.2	1.2	1.2	0.0	0.0	0.0	2.3	4.6	4.6
135°	2.3	2.3	1.2	1.2	1.2	0.0	0.0	0.0	1.2	3.5	3.5
137.5°	1.2	1.2	1.2	1.2	1.2	0.0	0.0	0.0	1.2	1.2	1.2
140°	1.2	1.2	1.2	1.2	1.2	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	1.2	1.2	1.2	1.2	1.2	0.0	0.0	0.0	0.0	0.0	0.0
145°	1.2	1.2	1.2	1.2	1.2	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	1.2	1.2	1.2	1.2	1.2	0.0	0.0	0.0	0.0	0.0	0.0
150°	1.2	1.2	1.2	1.2	1.2	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	1.2	1.2	1.2	1.2	1.2	0.0	0.0	0.0	0.0	0.0	0.0
155°	2.3	2.3	1.2	1.2	1.2	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	1.2	1.2	1.2	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	1.2	1.2	1.2	1.2	0.0	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)