

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: P559997

Luminaire Tested: **SDL-PA1-20-727-U-T4W-HSS-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P559997
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-PA1-20-727-U-T4W-HSS-A
Description: Springdale
(1) 70 CRI, 2700K, 260mA 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: 1563 lumens
Efficiency: N/A
Efficacy: 74.4 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 - U2 - G1

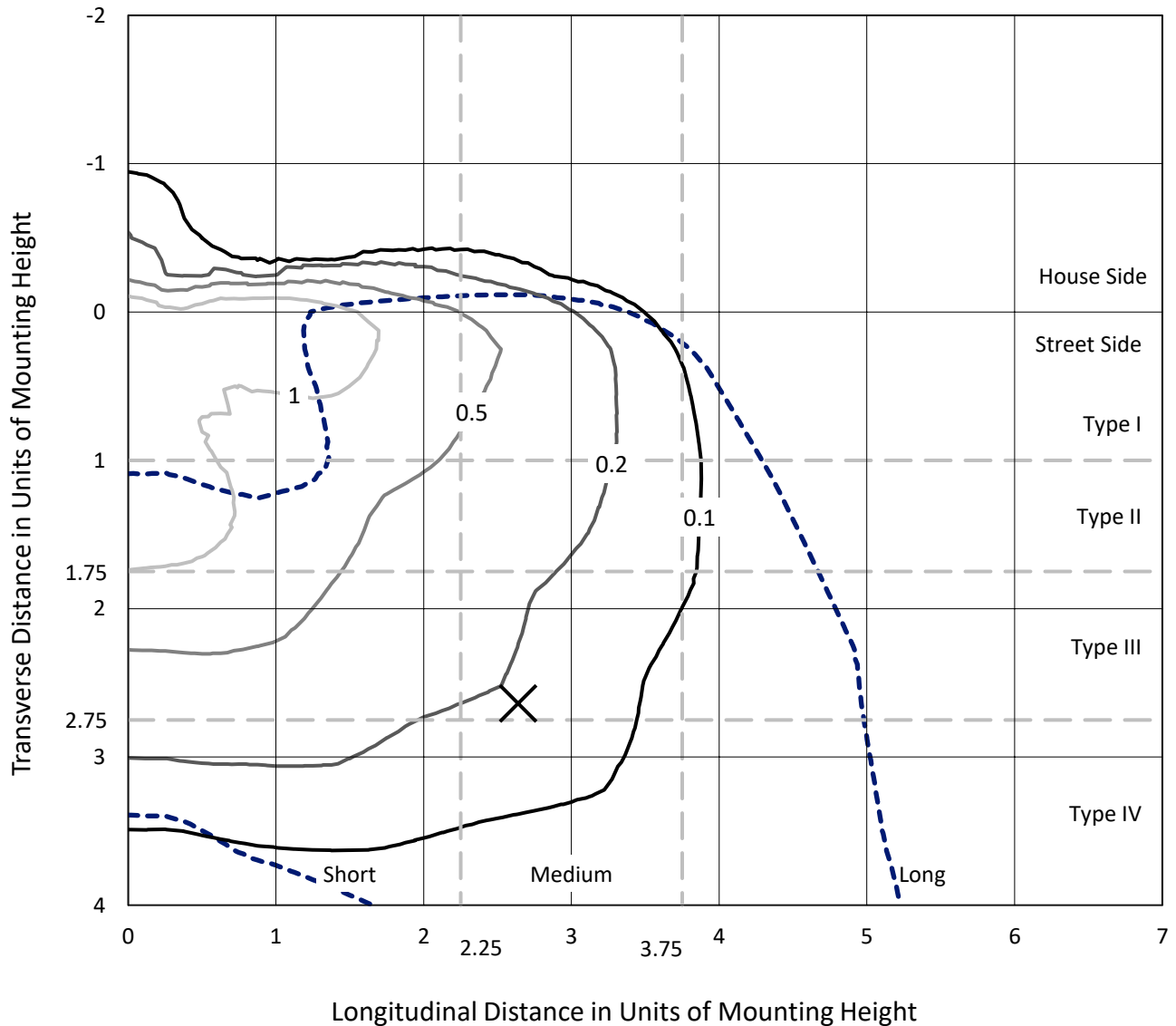
Input Watts (W): 21
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

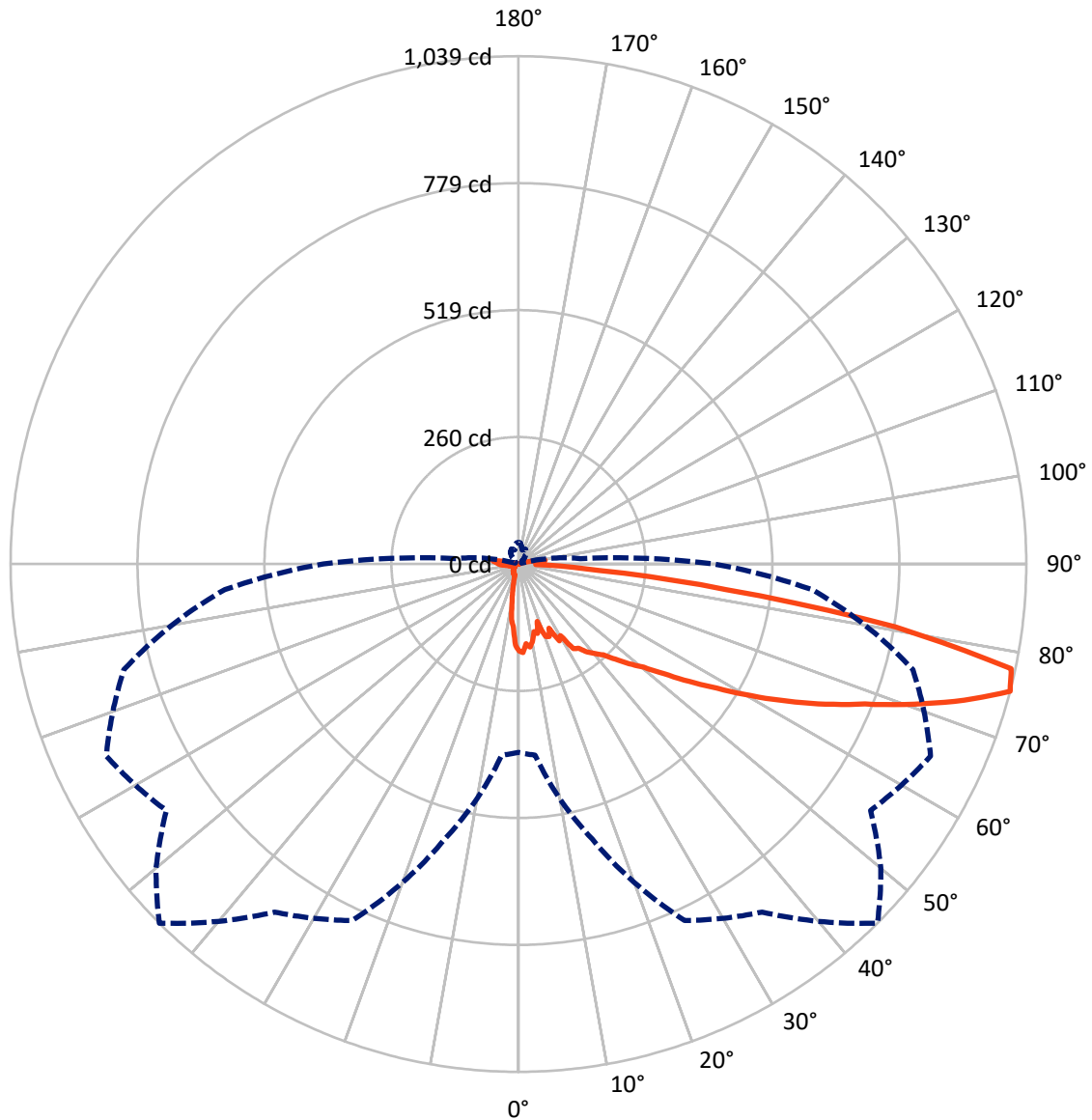
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 1.9 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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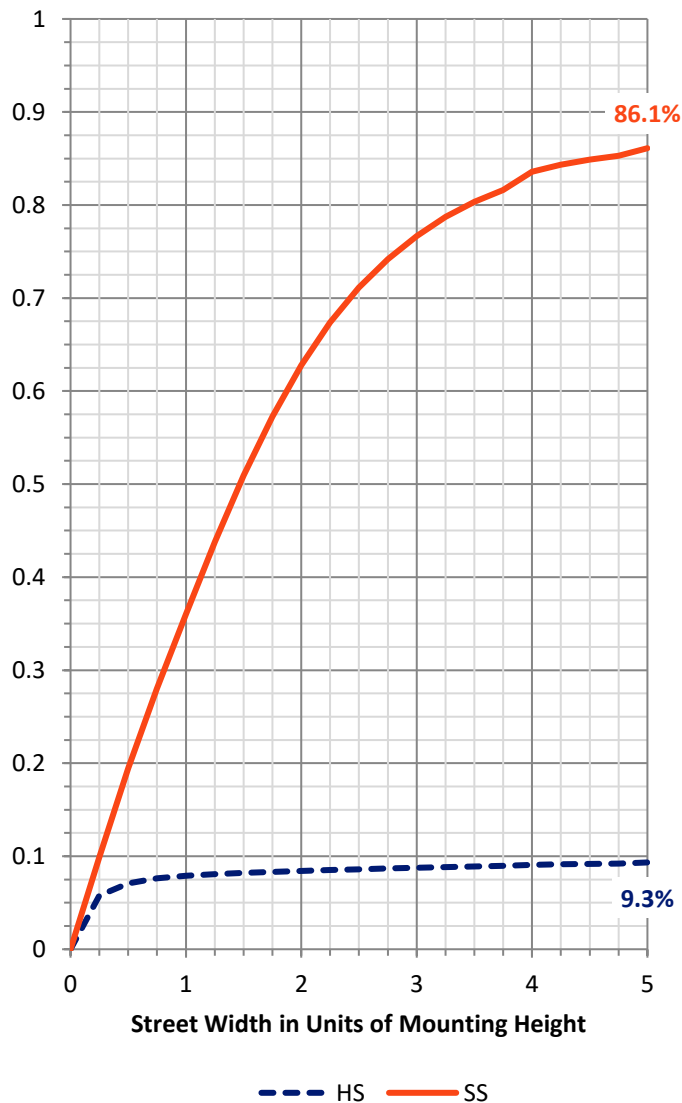
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	160.4	28.0	188.4
	% Fixture	10.3	1.8	12.1
Street Side	Lumens	1352.9	21.7	1374.6
	% Fixture	86.6	1.4	87.9
Total	Lumens	1513.3	49.7	1563.0
	% Fixture	96.8	3.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	13.8	0.9
10°-20°	29.9	1.9
20°-30°	50.2	3.2
30°-40°	93.0	6.0
40°-50°	156.8	10.0
50°-60°	281.4	18.0
60°-70°	422.5	27.0
70°-80°	386.6	24.7
80°-90°	79.0	5.1
90°-100°	37.8	2.4
100°-110°	8.1	0.5
110°-120°	1.5	0.1
120°-130°	1.2	0.1
130°-140°	0.5	0.0
140°-150°	0.3	0.0
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	1513.3	96.8
0°-180°	1563.0	100.0

Coefficient of Utilization



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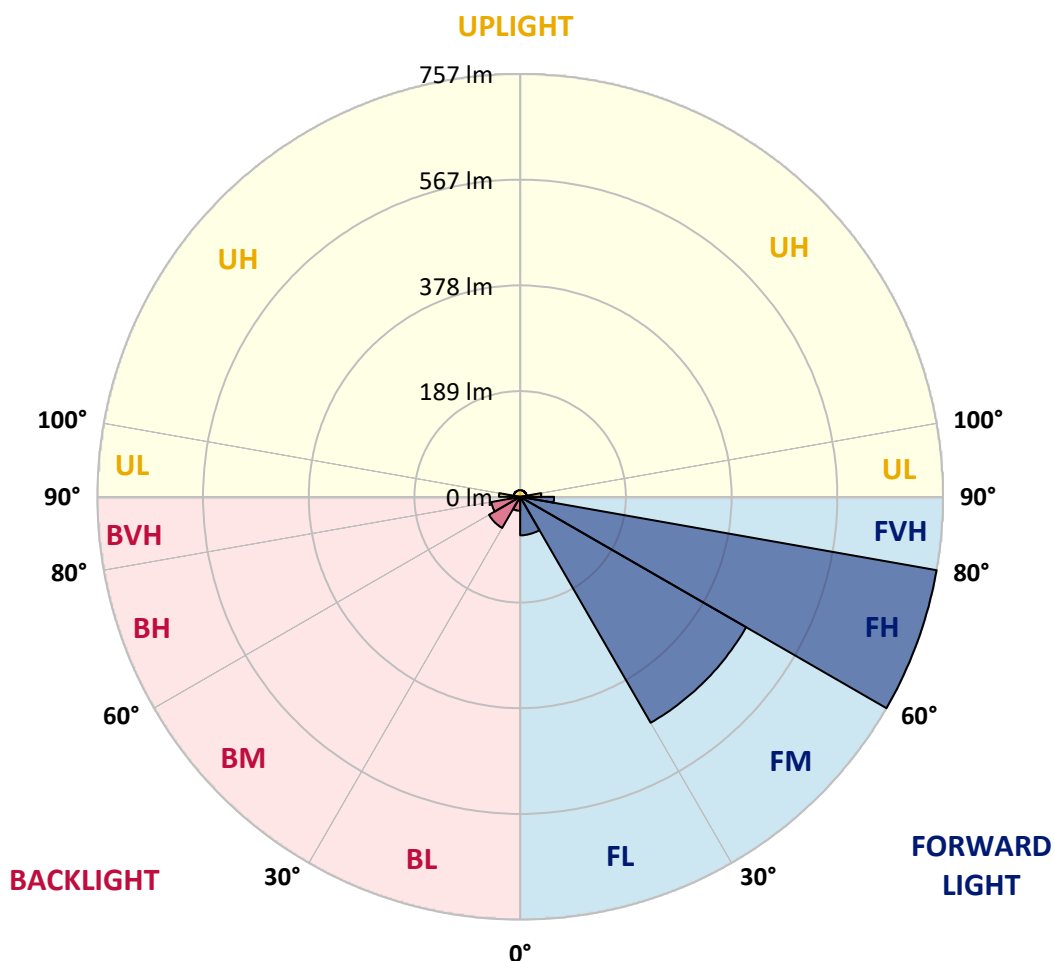
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	68.9	4.4			
FM	(30°-60°)	466.9	29.9			
FH	(60°-80°)	756.6	48.4			G1/1800
FVH	(80°-90°)	60.6	3.9			G1/100
BL	(0°-30°)	25.0	1.6	B0/110		
BM	(30°-60°)	64.4	4.1	B0/220		
BH	(60°-80°)	52.6	3.4	B0/110		G0/110
BVH	(80°-90°)	18.4	1.2			G1/100
UL	(90°-100°)	37.8	2.4		U2/50	
UH	(100°-180°)	11.9	0.8		U2/50	

BUG Rating: B0-U2-G1

Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
0°	178.1	178.1	178.1	178.1	178.1	178.1	178.1	178.1	178.1	178.1	178.1
2.5°	173.1	181.4	178.9	183.1	182.3	181.4	181.4	182.3	181.4	179.8	178.1
5°	176.4	173.9	172.2	171.4	168.1	163.9	162.2	160.5	178.1	178.1	174.8
7.5°	181.4	181.4	178.1	175.6	175.6	171.4	167.2	163.9	155.5	153.0	153.0
10°	193.1	191.5	189.0	184.0	158.9	159.7	150.5	132.1	123.7	127.1	132.1
12.5°	195.7	194.8	191.5	190.6	167.2	142.1	117.9	132.1	126.3	105.4	117.1
15°	209.9	208.2	201.5	189.8	143.0	147.2	137.1	117.9	112.9	128.8	138.0
17.5°	178.9	178.9	200.7	184.0	155.5	123.7	122.9	137.1	123.7	115.4	114.6
20°	219.9	219.9	210.7	150.5	159.7	158.0	127.1	143.8	121.2	137.1	146.3
22.5°	183.1	182.3	189.0	186.5	153.0	161.4	130.4	131.3	144.7	123.7	106.2
25°	223.2	223.2	218.2	162.2	173.9	145.5	148.8	157.2	128.8	156.4	158.0
27.5°	192.3	191.5	182.3	185.6	162.2	178.1	135.5	148.0	158.0	168.9	185.6
30°	235.0	236.6	232.4	176.4	180.6	169.7	161.4	171.4	191.5	224.9	235.8
32.5°	290.1	291.8	247.5	212.4	181.4	206.5	173.1	189.0	219.9	235.8	247.5
35°	322.8	310.2	291.0	237.5	195.7	211.5	199.0	201.5	229.1	254.2	262.5
37.5°	350.3	333.6	311.0	245.0	206.5	228.3	207.4	210.7	248.3	270.9	281.8
40°	359.5	349.5	337.0	261.7	219.9	240.8	217.4	224.9	266.7	292.6	309.4
42.5°	382.1	383.0	375.4	285.1	234.1	254.2	234.1	239.1	291.0	322.8	347.0
45°	442.3	444.0	435.6	325.3	251.7	277.6	260.9	263.4	318.6	368.7	399.7
47.5°	519.2	513.4	505.0	378.8	278.4	304.4	291.8	289.3	351.2	428.9	456.5
50°	597.0	586.1	568.6	452.4	324.4	331.9	323.6	321.9	390.5	490.8	520.9
52.5°	678.1	669.7	633.0	521.8	393.0	372.1	362.9	372.1	441.5	559.4	587.0
55°	720.8	712.4	689.0	596.2	459.0	423.9	408.0	424.8	520.1	623.8	659.7
57.5°	755.9	753.4	742.5	673.9	539.3	479.1	463.2	479.1	582.8	684.0	726.6
60°	806.0	796.0	806.0	749.2	617.1	546.8	525.1	541.8	659.7	736.6	800.2
62.5°	842.0	839.5	859.6	833.6	682.3	617.9	586.1	602.0	727.4	792.7	872.9
65°	803.5	816.1	896.3	888.8	755.9	690.7	657.2	652.2	782.6	852.9	950.7
67.5°	735.0	743.3	860.4	917.2	820.3	764.2	724.1	700.7	833.6	907.2	1012.6
70°	669.7	679.8	786.8	918.9	851.2	858.7	802.7	759.2	884.6	968.3	1025.9
72.5°	617.9	627.1	723.3	898.9	862.1	953.2	888.8	821.1	934.0	969.9	896.3
75°	385.5	392.2	582.0	804.4	868.8	1038.5	967.4	878.8	929.8	835.3	602.9
77.5°	118.7	121.2	249.2	530.9	755.0	1030.1	954.0	826.1	779.3	530.1	275.1
80°	41.0	41.8	64.4	189.0	451.5	781.8	727.4	607.9	465.7	195.7	103.7
82.5°	19.2	20.9	30.1	63.5	184.0	427.3	429.8	361.2	195.7	87.0	70.2
85°	6.7	6.7	12.5	27.6	71.1	164.7	156.4	145.5	102.8	78.6	65.2
87.5°	2.5	2.5	4.2	7.5	17.6	35.1	44.3	54.3	54.3	55.2	66.1
90°	2.5	2.5	1.7	1.7	12.5	36.8	44.3	49.3	45.2	50.2	71.9
92.5°	2.5	2.5	1.7	1.7	13.4	42.6	49.3	53.5	47.7	53.5	79.4
95°	2.5	2.5	1.7	1.7	15.1	51.8	57.7	56.9	47.7	56.0	85.3
97.5°	3.3	3.3	1.7	0.8	13.4	55.2	61.9	60.2	41.0	42.6	66.9
100°	3.3	3.3	1.7	0.8	8.4	41.0	49.3	48.5	26.8	6.7	19.2
102.5°	3.3	3.3	1.7	0.8	1.7	19.2	23.4	24.2	15.9	2.5	3.3
105°	4.2	4.2	1.7	0.8	0.8	3.3	7.5	10.0	5.9	1.7	3.3
107.5°	4.2	4.2	1.7	0.8	0.8	1.7	1.7	2.5	2.5	1.7	4.2
110°	4.2	4.2	1.7	1.7	0.8	0.8	0.8	0.8	1.7	1.7	4.2



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
112.5°	3.3	3.3	0.8	1.7	0.8	0.8	0.8	0.8	0.8	1.7	4.2
115°	1.7	1.7	0.8	0.8	0.0	0.8	0.8	0.8	0.8	1.7	3.3
117.5°	0.8	0.8	0.0	0.8	0.0	0.8	0.8	0.8	1.7	1.7	4.2
120°	0.8	0.8	0.0	0.0	0.0	0.0	0.8	0.8	0.8	2.5	5.0
122.5°	0.8	0.8	0.0	0.0	0.0	0.0	0.8	0.8	0.8	2.5	5.0
125°	0.8	0.8	0.0	0.0	0.0	0.0	0.8	0.8	0.8	2.5	5.0
127.5°	0.8	0.8	0.0	0.0	0.0	0.0	0.8	0.8	0.8	2.5	4.2
130°	0.8	0.8	0.0	0.0	0.0	0.0	0.8	0.8	0.8	1.7	3.3
132.5°	0.8	0.8	0.0	0.0	0.0	0.0	0.8	0.8	0.8	1.7	2.5
135°	0.8	0.8	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.8	1.7
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.8	0.8
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.8	0.8
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.8	0.8
145°	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.8	0.8	0.8	0.8
147.5°	0.0	0.0	0.0	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
150°	2.5	2.5	1.7	0.8	0.0	0.0	0.8	0.8	0.8	0.8	0.8
152.5°	1.7	1.7	2.5	0.8	0.0	0.0	0.8	0.8	1.7	0.8	0.8
155°	1.7	1.7	0.8	0.0	0.0	0.0	0.0	0.8	0.8	1.7	1.7
157.5°	0.8	0.8	0.8	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.8
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.8
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°	178.1	178.1	178.1	178.1	178.1	178.1	178.1	178.1	178.1	178.1	178.1
2.5°	176.4	175.6	173.1	171.4	168.9	166.4	153.9	146.3	145.5	144.7	145.5
5°	173.1	170.6	166.4	147.2	138.0	129.6	127.1	125.4	121.2	121.2	122.1
7.5°	149.7	148.0	134.6	128.8	121.2	113.7	107.0	102.0	89.5	85.3	83.6
10°	131.3	127.9	104.5	92.8	85.3	76.9	76.9	70.2	66.9	64.4	63.5
12.5°	113.7	111.2	92.0	84.5	63.5	55.2	51.0	46.8	44.3	42.6	41.8
15°	132.9	128.8	98.7	67.7	46.8	39.3	30.9	30.1	37.6	39.3	40.1
17.5°	106.2	108.7	87.8	59.4	38.5	24.2	26.8	31.8	36.0	36.0	35.1
20°	141.3	135.5	95.3	47.7	27.6	24.2	25.9	23.4	33.4	36.0	36.0
22.5°	102.8	97.8	78.6	44.3	21.7	23.4	21.7	27.6	30.9	27.6	28.4
25°	153.0	145.5	91.1	30.9	22.6	20.1	25.1	21.7	30.1	32.6	33.4
27.5°	189.8	164.7	89.5	29.3	20.1	22.6	20.9	25.1	24.2	25.9	25.9
30°	226.6	212.4	101.2	26.8	20.1	19.2	21.7	21.7	27.6	30.1	30.1
32.5°	242.5	225.8	88.6	25.9	20.1	19.2	19.2	23.4	25.9	30.9	30.9
35°	259.2	236.6	74.4	24.2	19.2	18.4	18.4	23.4	27.6	30.9	31.8
37.5°	281.8	248.3	60.2	23.4	18.4	17.6	15.9	20.9	29.3	32.6	33.4
40°	310.2	265.1	46.8	21.7	16.7	15.9	15.1	20.9	25.1	29.3	29.3
42.5°	354.5	283.5	36.8	20.9	15.9	14.2	14.2	17.6	24.2	27.6	27.6
45°	399.7	305.2	30.9	20.1	15.1	13.4	13.4	17.6	18.4	23.4	23.4
47.5°	449.8	326.9	28.4	19.2	15.1	11.7	11.7	15.9	15.9	21.7	22.6
50°	501.7	345.3	26.8	18.4	13.4	10.9	13.4	10.9	13.4	20.9	22.6
52.5°	546.8	360.4	25.1	16.7	12.5	10.0	12.5	10.9	13.4	19.2	19.2
55°	592.8	368.7	24.2	15.9	11.7	8.4	12.5	11.7	12.5	17.6	17.6
57.5°	633.8	371.2	23.4	15.9	10.0	7.5	11.7	14.2	10.9	14.2	15.9
60°	670.6	368.7	20.9	14.2	7.5	7.5	12.5	16.7	15.1	16.7	16.7
62.5°	704.9	359.5	16.7	11.7	5.9	7.5	15.9	18.4	14.2	17.6	19.2
65°	734.1	347.0	12.5	9.2	4.2	8.4	16.7	20.9	16.7	20.1	21.7
67.5°	747.5	330.3	10.0	7.5	4.2	9.2	17.6	23.4	19.2	22.6	24.2
70°	724.9	296.0	8.4	7.5	3.3	10.9	18.4	25.1	21.7	28.4	29.3
72.5°	602.0	232.4	7.5	7.5	5.9	13.4	23.4	28.4	26.8	38.5	37.6
75°	398.8	127.1	7.5	6.7	7.5	15.9	28.4	33.4	29.3	43.5	43.5
77.5°	184.0	56.0	6.7	7.5	8.4	17.6	32.6	40.1	33.4	49.3	48.5
80°	80.3	34.3	6.7	6.7	9.2	19.2	36.8	45.2	36.8	54.3	54.3
82.5°	60.2	30.9	5.9	6.7	12.5	21.7	42.6	50.2	41.0	58.5	57.7
85°	56.0	29.3	6.7	7.5	14.2	27.6	50.2	54.3	42.6	60.2	60.2
87.5°	56.9	28.4	6.7	7.5	19.2	35.1	56.9	58.5	46.8	63.5	63.5
90°	58.5	29.3	7.5	8.4	21.7	38.5	63.5	62.7	52.7	66.9	66.9
92.5°	62.7	29.3	8.4	9.2	23.4	42.6	69.4	64.4	56.9	69.4	67.7
95°	65.2	29.3	9.2	10.0	27.6	46.8	73.6	62.7	60.2	64.4	62.7
97.5°	48.5	21.7	10.9	11.7	28.4	52.7	67.7	53.5	39.3	38.5	39.3
100°	15.9	7.5	11.7	12.5	18.4	36.8	50.2	38.5	20.9	15.9	15.9
102.5°	4.2	4.2	10.9	11.7	10.0	15.9	29.3	25.1	14.2	0.8	1.7
105°	4.2	3.3	6.7	9.2	5.9	4.2	11.7	14.2	10.9	0.8	0.8
107.5°	4.2	3.3	3.3	5.0	1.7	1.7	3.3	3.3	3.3	0.8	0.8
110°	4.2	3.3	1.7	1.7	1.7	1.7	1.7	0.8	0.8	1.7	1.7



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	5.0	3.3	1.7	1.7	1.7	0.8	0.8	0.8	0.8	2.5	3.3
115°	4.2	3.3	0.8	1.7	0.8	0.8	0.8	0.8	1.7	3.3	4.2
117.5°	4.2	3.3	0.8	0.8	0.8	0.8	0.8	0.8	1.7	4.2	5.0
120°	5.0	4.2	0.8	0.8	0.8	0.8	0.8	0.8	1.7	5.0	5.0
122.5°	5.0	4.2	0.8	0.8	0.8	0.8	0.0	0.8	2.5	5.0	5.0
125°	5.0	4.2	0.8	0.8	0.8	0.0	0.0	0.8	2.5	5.0	5.9
127.5°	4.2	3.3	0.8	0.8	0.8	0.0	0.0	0.8	1.7	4.2	5.0
130°	3.3	2.5	0.8	0.8	0.8	0.0	0.0	0.0	1.7	4.2	4.2
132.5°	2.5	1.7	0.8	0.8	0.8	0.0	0.0	0.0	1.7	3.3	3.3
135°	1.7	1.7	0.8	0.8	0.8	0.0	0.0	0.0	0.8	2.5	2.5
137.5°	0.8	0.8	0.8	0.8	0.8	0.0	0.0	0.0	0.8	0.8	0.8
140°	0.8	0.8	0.8	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.8	0.8	0.8	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.8	0.8	0.8	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.8	0.8	0.8	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.8	0.8	0.8	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.8	0.8	0.8	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0
155°	1.7	1.7	0.8	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.8	0.8	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.8	0.8	0.8	0.8	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)