

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: P560129

Luminaire Tested: **SDL-PA1-20-830-U-T4W-HSS-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560129
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-PA1-20-830-U-T4W-HSS-A
Description: Springdale
(1) 80 CRI, 3000K, 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: 1485.2 lumens
Efficiency: N/A
Efficacy: 70.7 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

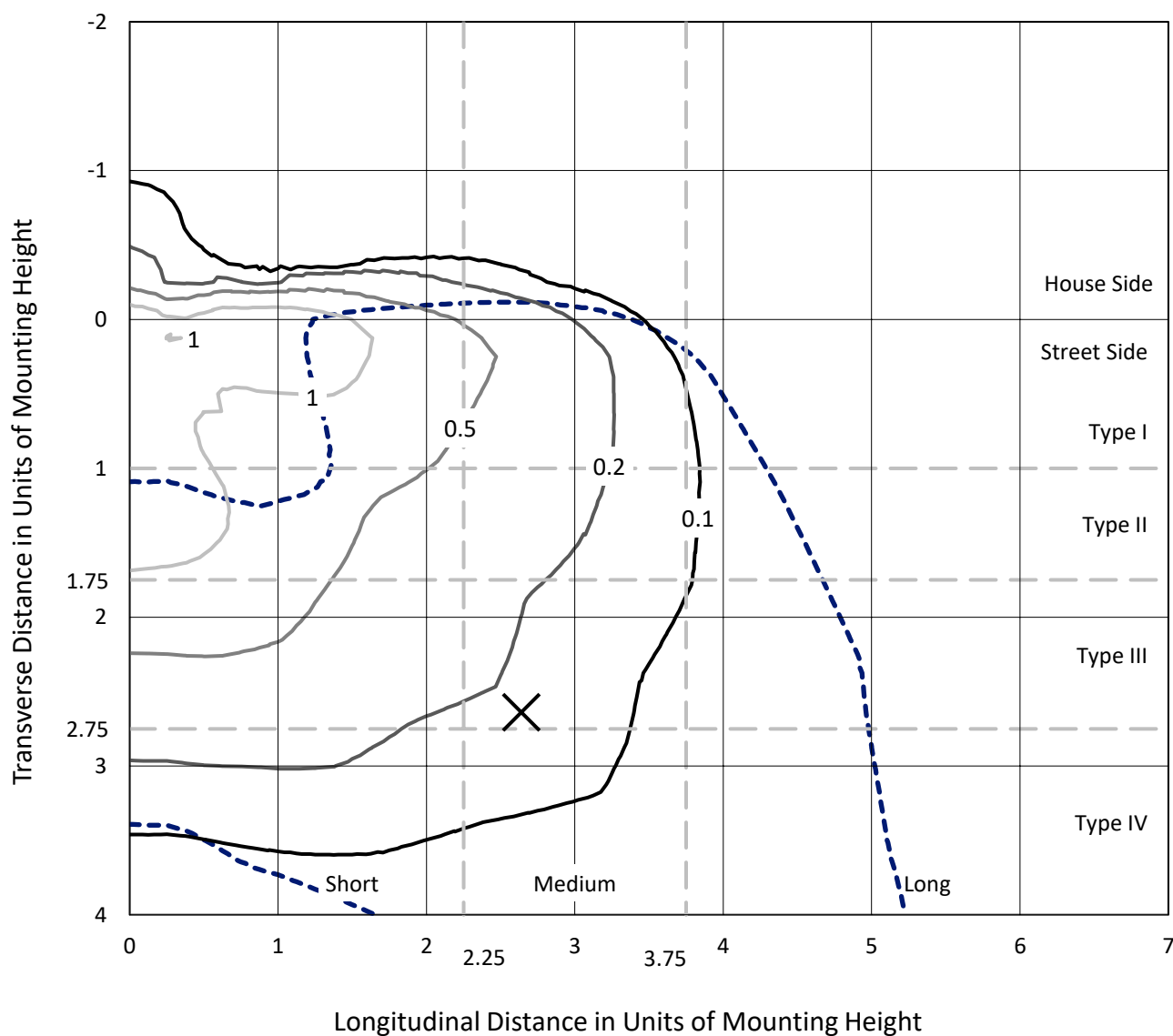


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

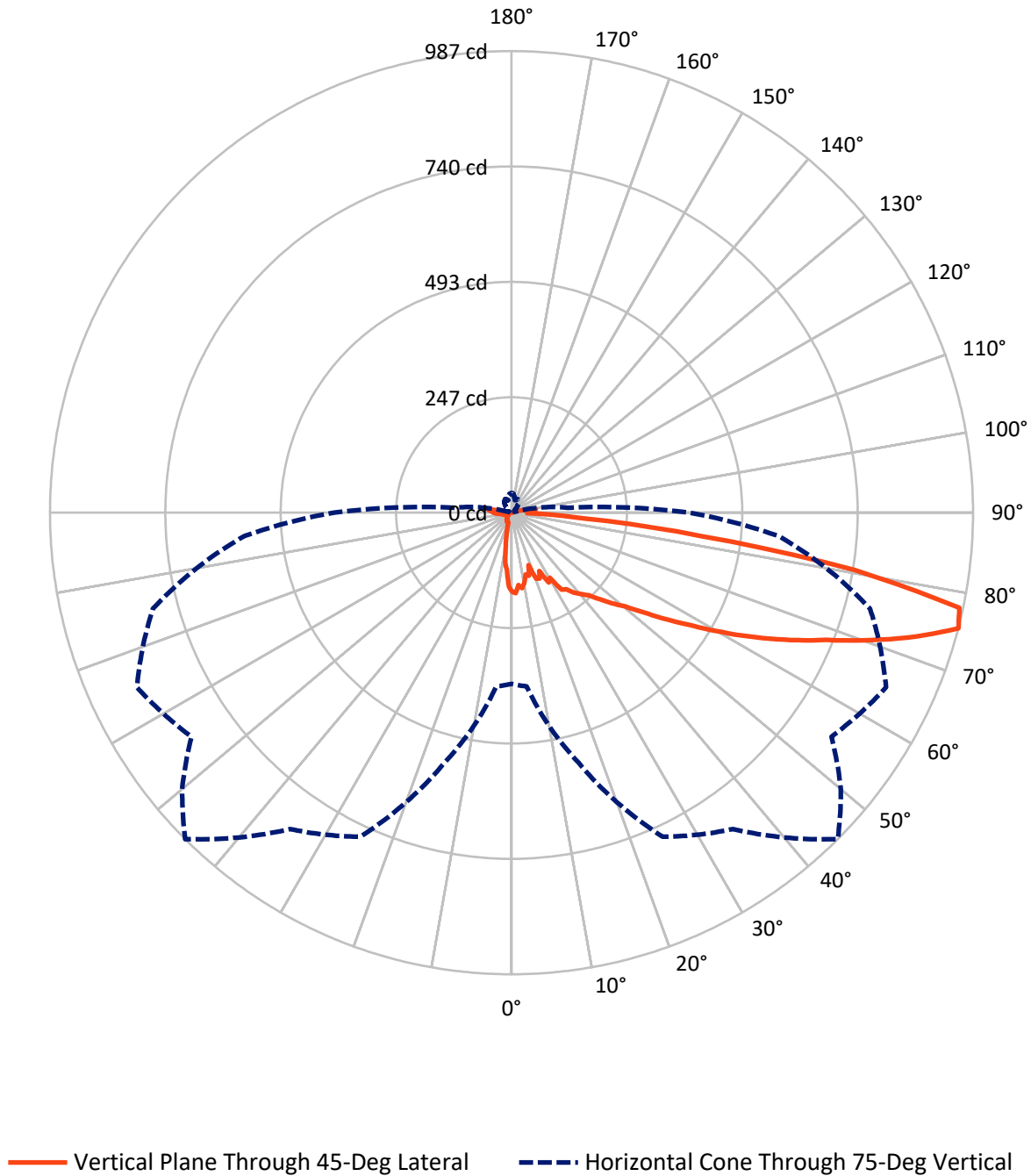


Based on 10 foot mounting height. Maximum calculated value = 1.8 fc
Type IV - Medium - N/A

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Luminous Intensity Polar Plot



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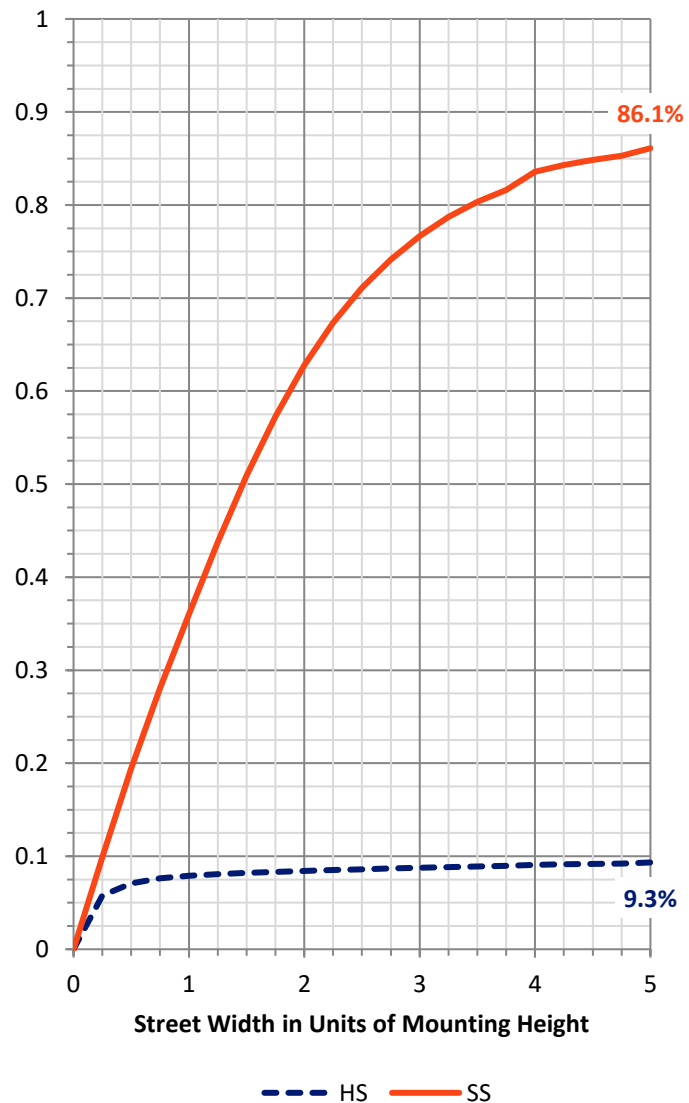
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	152.4	26.7	179.1
	% Fixture	10.3	1.8	12.1
Street Side	Lumens	1285.5	20.6	1306.1
	% Fixture	86.6	1.4	87.9
Total	Lumens	1437.9	47.3	1485.2
	% Fixture	96.8	3.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	13.1	0.9
10°-20°	28.4	1.9
20°-30°	47.7	3.2
30°-40°	88.4	6.0
40°-50°	149.0	10.0
50°-60°	267.4	18.0
60°-70°	401.5	27.0
70°-80°	367.3	24.7
80°-90°	75.1	5.1
90°-100°	35.9	2.4
100°-110°	7.7	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°	1437.9	96.8
0°-180°	1485.2	100.0

Coefficient of Utilization



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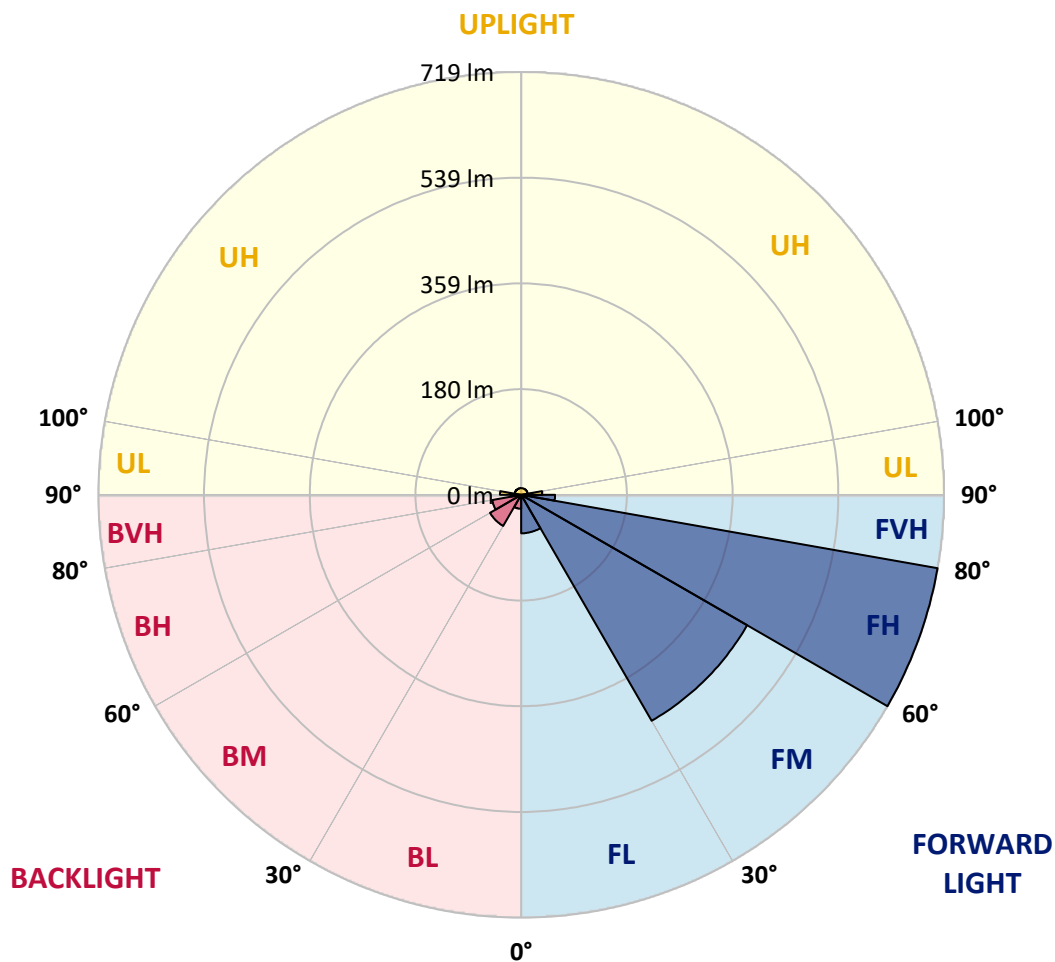
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	65.4	4.4			
FM	(30°-60°)	443.6	29.9			
FH	(60°-80°)	718.9	48.4			G1/1800
FVH	(80°-90°)	57.6	3.9			G1/100
BL	(0°-30°)	23.8	1.6	B0/110		
BM	(30°-60°)	61.1	4.1	B0/220		
BH	(60°-80°)	49.9	3.4	B0/110		G0/110
BVH	(80°-90°)	17.5	1.2			G1/100
UL	(90°-100°)	35.9	2.4		U2/50	
UH	(100°-180°)	11.4	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°	169.2	169.2	169.2	169.2	169.2	169.2	169.2	169.2	169.2	169.2	169.2
2.5°	164.5	172.4	170.0	174.0	173.2	172.4	172.4	173.2	172.4	170.8	169.2
5°	167.6	165.3	163.7	162.9	159.7	155.7	154.1	152.5	169.2	169.2	166.0
7.5°	172.4	172.4	169.2	166.8	166.8	162.9	158.9	155.7	147.8	145.4	145.4
10°	183.5	181.9	179.6	174.8	151.0	151.7	143.0	125.5	117.6	120.8	125.5
12.5°	185.9	185.1	181.9	181.1	158.9	135.1	112.0	125.5	120.0	100.1	111.2
15°	199.4	197.8	191.5	180.3	135.9	139.8	130.3	112.0	107.3	122.4	131.1
17.5°	170.0	170.0	190.7	174.8	147.8	117.6	116.8	130.3	117.6	109.6	108.8
20°	208.9	208.9	200.2	143.0	151.7	150.2	120.8	136.7	115.2	130.3	139.0
22.5°	174.0	173.2	179.6	177.2	145.4	153.3	123.9	124.7	137.4	117.6	100.9
25°	212.1	212.1	207.4	154.1	165.3	138.2	141.4	149.4	122.4	148.6	150.2
27.5°	182.7	181.9	173.2	176.4	154.1	169.2	128.7	140.6	150.2	160.5	176.4
30°	223.2	224.8	220.9	167.6	171.6	161.3	153.3	162.9	181.9	213.7	224.0
32.5°	275.7	277.3	235.2	201.8	172.4	196.2	164.5	179.6	208.9	224.0	235.2
35°	306.7	294.8	276.5	225.6	185.9	201.0	189.1	191.5	217.7	241.5	249.5
37.5°	332.9	317.0	295.5	232.8	196.2	216.9	197.0	200.2	236.0	257.4	267.7
40°	341.6	332.1	320.2	248.7	208.9	228.8	206.6	213.7	253.4	278.1	294.0
42.5°	363.1	363.9	356.7	270.9	222.5	241.5	222.5	227.2	276.5	306.7	329.7
45°	420.3	421.9	413.9	309.1	239.1	263.8	247.9	250.3	302.7	350.4	379.8
47.5°	493.4	487.8	479.9	359.9	264.6	289.2	277.3	274.9	333.7	407.6	433.8
50°	567.3	556.9	540.2	429.8	308.3	315.4	307.5	305.9	371.0	466.4	495.0
52.5°	644.3	636.4	601.4	495.8	373.4	353.5	344.8	353.5	419.5	531.5	557.7
55°	684.8	676.9	654.7	566.5	436.2	402.8	387.7	403.6	494.2	592.7	626.8
57.5°	718.2	715.8	705.5	640.4	512.4	455.2	440.1	455.2	553.8	649.9	690.4
60°	765.9	756.3	765.9	711.9	586.3	519.6	498.9	514.8	626.8	699.9	760.3
62.5°	800.0	797.7	816.7	792.1	648.3	587.1	556.9	572.0	691.2	753.2	829.4
65°	763.5	775.4	851.7	844.5	718.2	656.2	624.5	619.7	743.6	810.4	903.3
67.5°	698.4	706.3	817.5	871.5	779.4	726.2	688.0	665.8	792.1	862.0	962.1
70°	636.4	645.9	747.6	873.1	808.8	815.9	762.7	721.4	840.6	920.0	974.8
72.5°	587.1	595.9	687.2	854.1	819.1	905.7	844.5	780.2	887.4	921.6	851.7
75°	366.3	372.6	553.0	764.3	825.5	986.7	919.2	835.0	883.5	793.7	572.8
77.5°	112.8	115.2	236.8	504.5	717.4	978.8	906.5	784.9	740.5	503.7	261.4
80°	38.9	39.7	61.2	179.6	429.0	742.8	691.2	577.6	442.5	185.9	98.5
82.5°	18.3	19.9	28.6	60.4	174.8	406.0	408.4	343.2	185.9	82.6	66.7
85°	6.4	6.4	11.9	26.2	67.5	156.5	148.6	138.2	97.7	74.7	62.0
87.5°	2.4	2.4	4.0	7.2	16.7	33.4	42.1	51.6	51.6	52.4	62.8
90°	2.4	2.4	1.6	1.6	11.9	35.0	42.1	46.9	42.9	47.7	68.3
92.5°	2.4	2.4	1.6	1.6	12.7	40.5	46.9	50.8	45.3	50.8	75.5
95°	2.4	2.4	1.6	1.6	14.3	49.3	54.8	54.0	45.3	53.2	81.0
97.5°	3.2	3.2	1.6	0.8	12.7	52.4	58.8	57.2	38.9	40.5	63.6
100°	3.2	3.2	1.6	0.8	7.9	38.9	46.9	46.1	25.4	6.4	18.3
102.5°	3.2	3.2	1.6	0.8	1.6	18.3	22.2	23.0	15.1	2.4	3.2
105°	4.0	4.0	1.6	0.8	0.8	3.2	7.2	9.5	5.6	1.6	3.2
107.5°	4.0	4.0	1.6	0.8	0.8	1.6	1.6	2.4	2.4	1.6	4.0
110°	4.0	4.0	1.6	1.6	0.8	0.8	0.8	0.8	1.6	1.6	4.0

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
112.5°	3.2	3.2	0.8	1.6	0.8	0.8	0.8	0.8	0.8	1.6	4.0
115°	1.6	1.6	0.8	0.8	0.0	0.8	0.8	0.8	0.8	1.6	3.2
117.5°	0.8	0.8	0.0	0.8	0.0	0.8	0.8	0.8	1.6	1.6	4.0
120°	0.8	0.8	0.0	0.0	0.0	0.0	0.8	0.8	0.8	2.4	4.8
122.5°	0.8	0.8	0.0	0.0	0.0	0.0	0.8	0.8	0.8	2.4	4.8
125°	0.8	0.8	0.0	0.0	0.0	0.0	0.8	0.8	0.8	2.4	4.8
127.5°	0.8	0.8	0.0	0.0	0.0	0.0	0.8	0.8	0.8	2.4	4.0
130°	0.8	0.8	0.0	0.0	0.0	0.0	0.8	0.8	0.8	1.6	3.2
132.5°	0.8	0.8	0.0	0.0	0.0	0.0	0.8	0.8	0.8	1.6	2.4
135°	0.8	0.8	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.8	1.6
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°	2.4	2.4	1.6	0.8	0.0	0.0	0.8	0.8	0.8	0.8	0.8
152.5°	1.6	1.6	2.4	0.8	0.0	0.0	0.8	0.8	1.6	0.8	0.8
155°	1.6	1.6	0.8	0.0	0.0	0.0	0.0	0.8	0.8	1.6	1.6
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°	169.2	169.2	169.2	169.2	169.2	169.2	169.2	169.2	169.2	169.2	169.2
2.5°	167.6	166.8	164.5	162.9	160.5	158.1	146.2	139.0	138.2	137.4	138.2
5°	164.5	162.1	158.1	139.8	131.1	123.1	120.8	119.2	115.2	115.2	116.0
7.5°	142.2	140.6	127.9	122.4	115.2	108.0	101.7	96.9	85.0	81.0	79.4
10°	124.7	121.6	99.3	88.2	81.0	73.1	73.1	66.7	63.6	61.2	60.4
12.5°	108.0	105.7	87.4	80.2	60.4	52.4	48.5	44.5	42.1	40.5	39.7
15°	126.3	122.4	93.7	64.4	44.5	37.3	29.4	28.6	35.8	37.3	38.1
17.5°	100.9	103.3	83.4	56.4	36.5	23.0	25.4	30.2	34.2	34.2	33.4
20°	134.3	128.7	90.6	45.3	26.2	23.0	24.6	22.2	31.8	34.2	34.2
22.5°	97.7	93.0	74.7	42.1	20.7	22.2	20.7	26.2	29.4	26.2	27.0
25°	145.4	138.2	86.6	29.4	21.5	19.1	23.8	20.7	28.6	31.0	31.8
27.5°	180.3	156.5	85.0	27.8	19.1	21.5	19.9	23.8	23.0	24.6	24.6
30°	215.3	201.8	96.1	25.4	19.1	18.3	20.7	20.7	26.2	28.6	28.6
32.5°	230.4	214.5	84.2	24.6	19.1	18.3	18.3	22.2	24.6	29.4	29.4
35°	246.3	224.8	70.7	23.0	18.3	17.5	17.5	22.2	26.2	29.4	30.2
37.5°	267.7	236.0	57.2	22.2	17.5	16.7	15.1	19.9	27.8	31.0	31.8
40°	294.8	251.9	44.5	20.7	15.9	15.1	14.3	19.9	23.8	27.8	27.8
42.5°	336.9	269.3	35.0	19.9	15.1	13.5	13.5	16.7	23.0	26.2	26.2
45°	379.8	290.0	29.4	19.1	14.3	12.7	12.7	16.7	17.5	22.2	22.2
47.5°	427.4	310.6	27.0	18.3	14.3	11.1	11.1	15.1	15.1	20.7	21.5
50°	476.7	328.1	25.4	17.5	12.7	10.3	12.7	10.3	12.7	19.9	21.5
52.5°	519.6	342.4	23.8	15.9	11.9	9.5	11.9	10.3	12.7	18.3	18.3
55°	563.3	350.4	23.0	15.1	11.1	7.9	11.9	11.1	11.9	16.7	16.7
57.5°	602.2	352.8	22.2	15.1	9.5	7.2	11.1	13.5	10.3	13.5	15.1
60°	637.2	350.4	19.9	13.5	7.2	7.2	11.9	15.9	14.3	15.9	15.9
62.5°	669.7	341.6	15.9	11.1	5.6	7.2	15.1	17.5	13.5	16.7	18.3
65°	697.6	329.7	11.9	8.7	4.0	7.9	15.9	19.9	15.9	19.1	20.7
67.5°	710.3	313.8	9.5	7.2	4.0	8.7	16.7	22.2	18.3	21.5	23.0
70°	688.8	281.2	7.9	7.2	3.2	10.3	17.5	23.8	20.7	27.0	27.8
72.5°	572.0	220.9	7.2	7.2	5.6	12.7	22.2	27.0	25.4	36.5	35.8
75°	379.0	120.8	7.2	6.4	7.2	15.1	27.0	31.8	27.8	41.3	41.3
77.5°	174.8	53.2	6.4	7.2	7.9	16.7	31.0	38.1	31.8	46.9	46.1
80°	76.3	32.6	6.4	6.4	8.7	18.3	35.0	42.9	35.0	51.6	51.6
82.5°	57.2	29.4	5.6	6.4	11.9	20.7	40.5	47.7	38.9	55.6	54.8
85°	53.2	27.8	6.4	7.2	13.5	26.2	47.7	51.6	40.5	57.2	57.2
87.5°	54.0	27.0	6.4	7.2	18.3	33.4	54.0	55.6	44.5	60.4	60.4
90°	55.6	27.8	7.2	7.9	20.7	36.5	60.4	59.6	50.1	63.6	63.6
92.5°	59.6	27.8	7.9	8.7	22.2	40.5	65.9	61.2	54.0	65.9	64.4
95°	62.0	27.8	8.7	9.5	26.2	44.5	69.9	59.6	57.2	61.2	59.6
97.5°	46.1	20.7	10.3	11.1	27.0	50.1	64.4	50.8	37.3	36.5	37.3
100°	15.1	7.2	11.1	11.9	17.5	35.0	47.7	36.5	19.9	15.1	15.1
102.5°	4.0	4.0	10.3	11.1	9.5	15.1	27.8	23.8	13.5	0.8	1.6
105°	4.0	3.2	6.4	8.7	5.6	4.0	11.1	13.5	10.3	0.8	0.8
107.5°	4.0	3.2	3.2	4.8	1.6	1.6	3.2	3.2	3.2	0.8	0.8
110°	4.0	3.2	1.6	1.6	1.6	1.6	1.6	0.8	0.8	1.6	1.6



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	4.8	3.2	1.6	1.6	1.6	0.8	0.8	0.8	0.8	2.4	3.2
115°	4.0	3.2	0.8	1.6	0.8	0.8	0.8	0.8	1.6	3.2	4.0
117.5°	4.0	3.2	0.8	0.8	0.8	0.8	0.8	0.8	1.6	4.0	4.8
120°	4.8	4.0	0.8	0.8	0.8	0.8	0.8	0.8	1.6	4.8	4.8
122.5°	4.8	4.0	0.8	0.8	0.8	0.8	0.0	0.8	2.4	4.8	4.8
125°	4.8	4.0	0.8	0.8	0.8	0.0	0.0	0.8	2.4	4.8	5.6
127.5°	4.0	3.2	0.8	0.8	0.8	0.0	0.0	0.8	1.6	4.0	4.8
130°	3.2	2.4	0.8	0.8	0.8	0.0	0.0	0.0	1.6	4.0	4.0
132.5°	2.4	1.6	0.8	0.8	0.8	0.0	0.0	0.0	1.6	3.2	3.2
135°	1.6	1.6	0.8	0.8	0.8	0.0	0.0	0.0	0.8	2.4	2.4
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°	1.6	1.6	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)