

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: P559980

Luminaire Tested: **SDL-PA1-20-727-U-SL3-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P559980
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-15)
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-SL3-A
Description: Springdale
(1) 70 CRI, 2700K, 260mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS AND CLEAR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2144.2 lumens
Efficiency: N/A
Efficacy: 102.1 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.21' x L: 1.21' x H: 0.96')
IES Classification: Type III - Medium
BUG Rating: B1 - 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

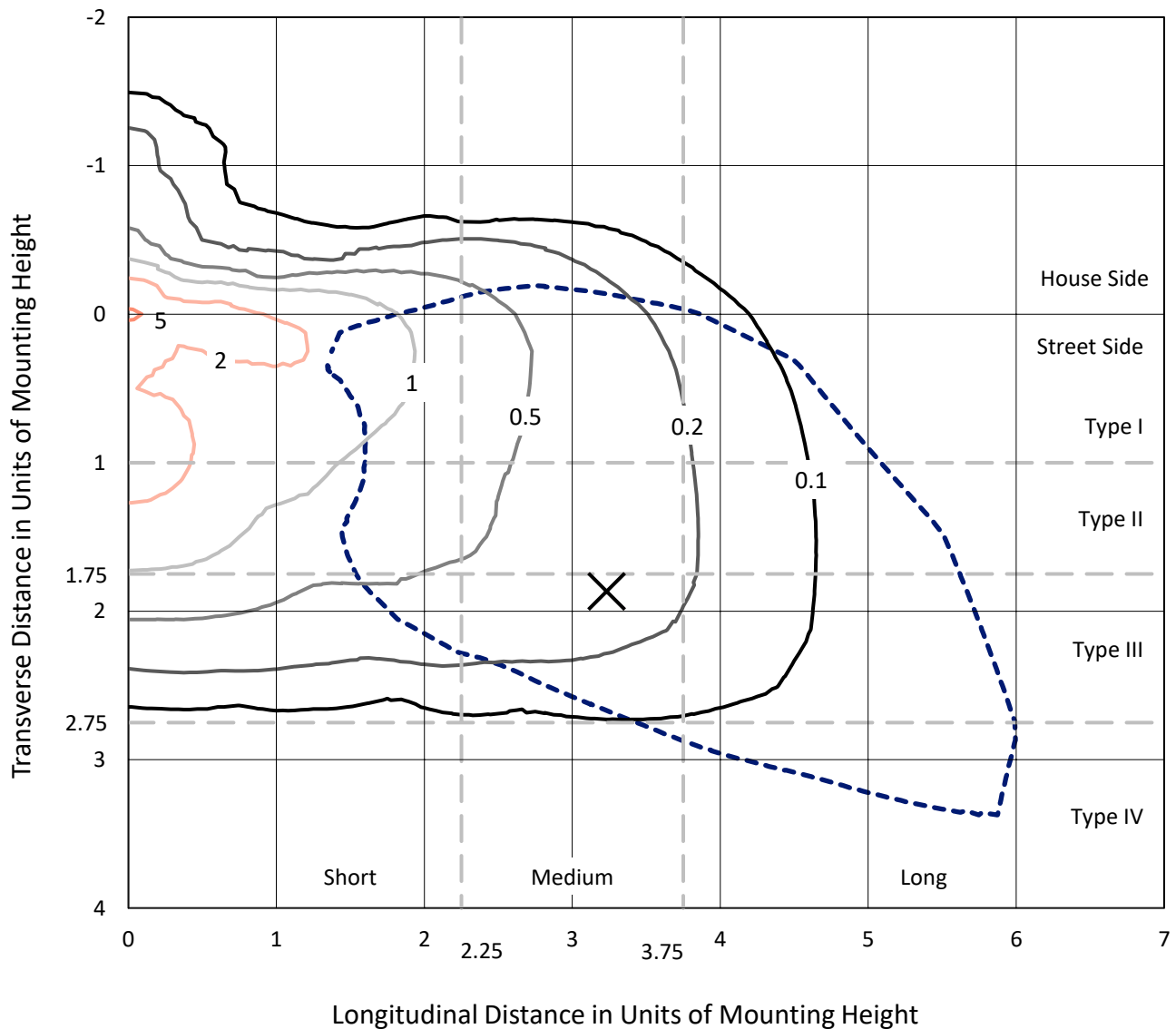


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

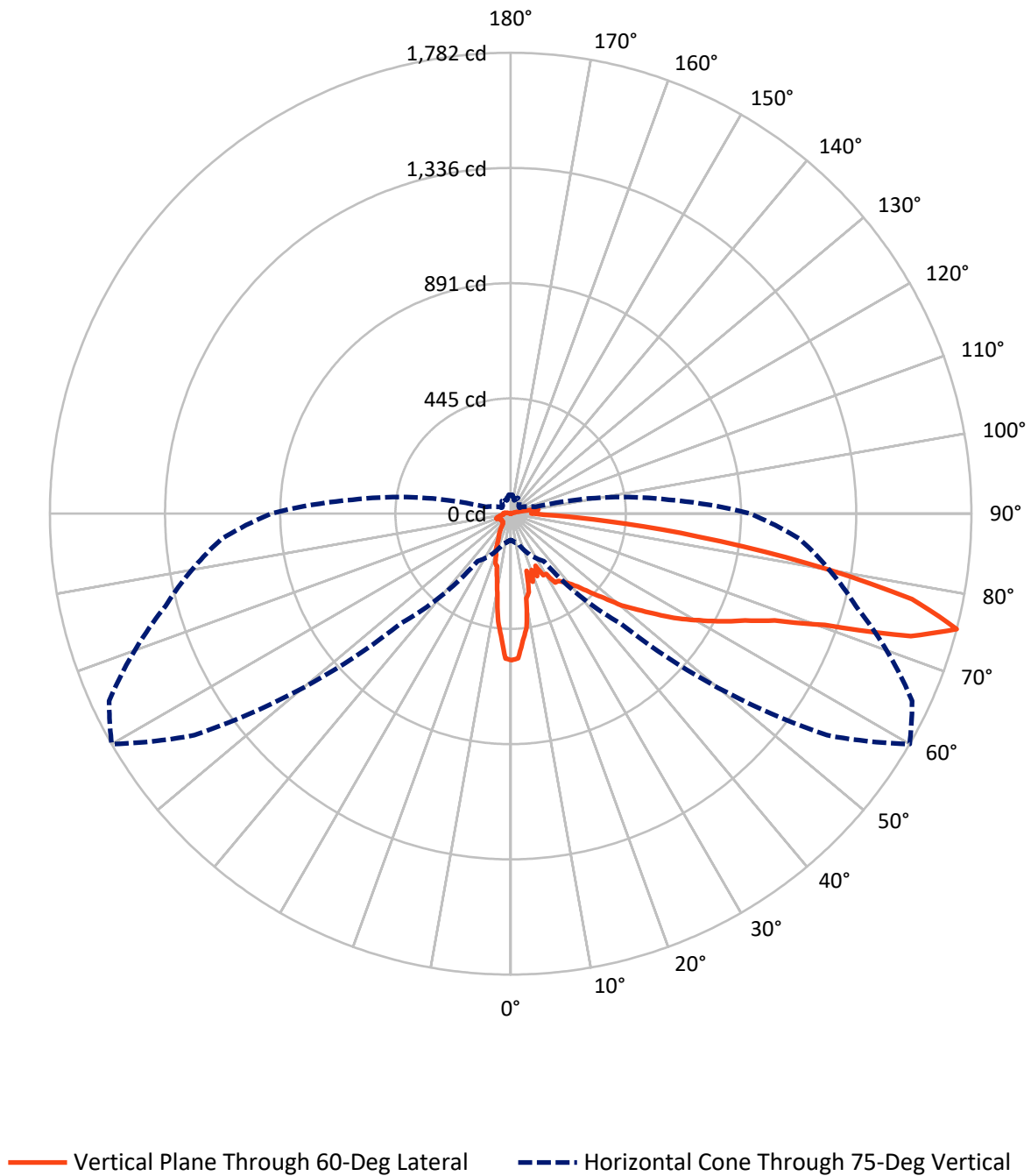


Based on 10 foot mounting height. Maximum calculated value = 5.7 fc
Type III - Medium - N/A

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Luminous Intensity Polar Plot



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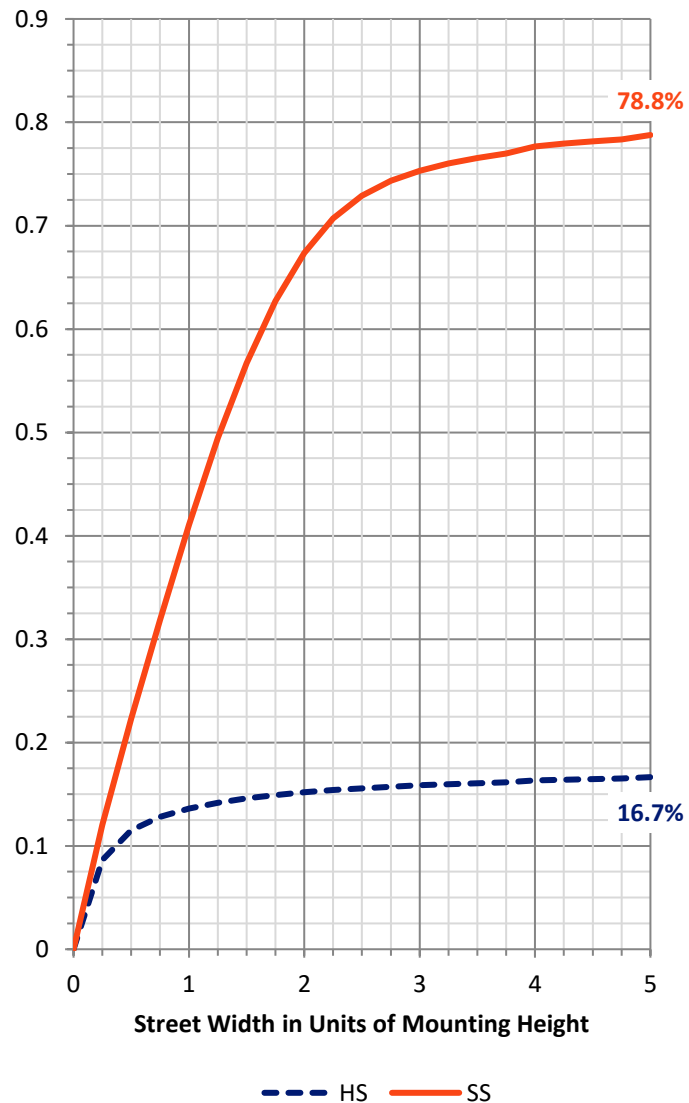
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	376.4	28.5	405.0
	% Fixture	17.6	1.3	18.9
Street Side	Lumens	1709.1	30.2	1739.3
	% Fixture	79.7	1.4	81.1
Total	Lumens	2085.6	58.7	2144.2
	% Fixture	97.3	2.7	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	41.7	1.9
10°-20°	74.2	3.5
20°-30°	96.1	4.5
30°-40°	160.2	7.5
40°-50°	256.4	12.0
50°-60°	393.7	18.4
60°-70°	491.9	22.9
70°-80°	448.7	20.9
80°-90°	122.8	5.7
90°-100°	41.2	1.9
100°-110°	9.4	0.4
110°-120°	3.0	0.1
120°-130°	2.8	0.1
130°-140°	1.3	0.1
140°-150°	0.5	0.0
150°-160°	0.5	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2085.6	97.3
0°-180°	2144.2	100.0

Coefficient of Utilization



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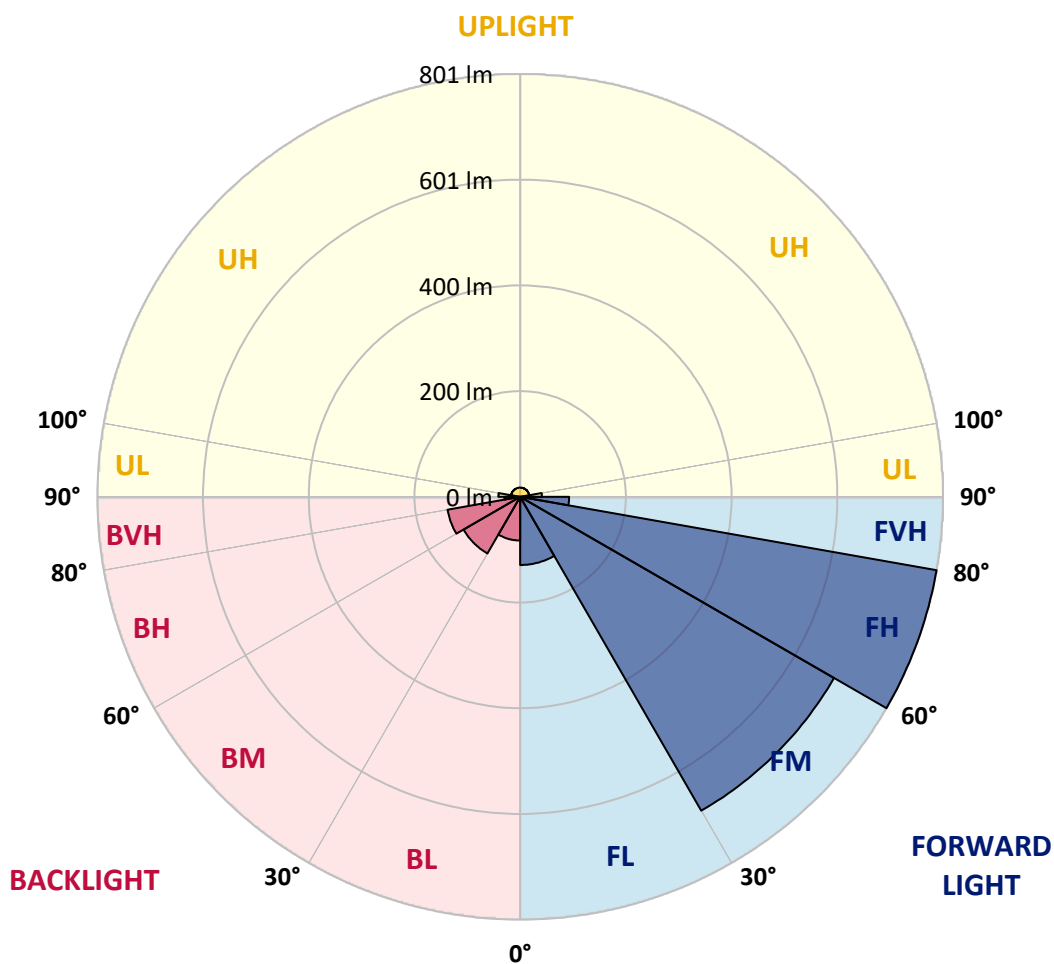
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	129.2	6.0			
FM	(30°-60°)	686.4	32.0			
FH	(60°-80°)	800.9	37.4			G1/1800
FVH	(80°-90°)	92.6	4.3			G1/100
BL	(0°-30°)	82.8	3.9	B0/110		
BM	(30°-60°)	123.9	5.8	B0/220		
BH	(60°-80°)	139.7	6.5	B1/500		G1/500
BVH	(80°-90°)	30.1	1.4			G1/100
UL	(90°-100°)	41.2	1.9		U2/50	
UH	(100°-180°)	17.4	0.8		U2/50	

BUG Rating: B1-U2-G1

Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	566.3	566.3	566.3	566.3	566.3	566.3	566.3	566.3	566.3	566.3	566.3
2.5°	475.1	519.4	515.3	549.5	549.5	557.1	560.4	559.6	562.9	566.3	565.4
5°	437.5	438.3	441.6	449.2	451.7	454.2	462.6	491.8	541.2	552.9	552.9
7.5°	361.3	381.4	406.5	410.7	425.8	433.3	442.5	444.2	410.7	470.9	476.8
10°	366.4	367.2	365.5	374.7	363.9	359.7	330.4	332.1	335.4	358.0	403.2
12.5°	286.9	303.6	339.6	356.3	329.6	300.3	298.6	312.8	318.7	285.2	355.5
15°	327.9	329.6	330.4	331.2	245.9	285.2	249.3	229.2	256.8	323.7	368.0
17.5°	256.8	258.5	297.8	296.9	271.0	219.2	271.0	276.9	266.0	275.2	307.8
20°	301.1	302.0	299.4	232.5	237.6	268.5	233.4	232.5	245.9	317.0	358.0
22.5°	247.6	244.2	243.4	266.0	241.7	258.5	226.7	262.6	285.2	282.7	270.2
25°	310.3	309.5	296.9	231.7	247.6	219.2	265.2	222.5	246.8	342.1	358.0
27.5°	290.2	278.5	257.6	267.7	230.9	256.8	235.9	269.3	284.4	351.3	414.9
30°	375.6	367.2	342.9	270.2	255.1	236.7	252.6	270.2	323.7	452.5	474.3
32.5°	496.0	486.8	399.8	331.2	267.7	280.2	266.0	317.0	357.2	461.7	478.5
35°	532.8	520.3	477.6	401.5	307.0	297.8	283.6	319.5	362.2	486.0	486.0
37.5°	553.7	552.9	532.8	443.3	346.3	341.3	305.3	335.4	382.3	509.4	504.4
40°	557.1	561.3	570.5	480.1	393.1	382.3	333.7	357.2	410.7	537.8	527.8
42.5°	584.7	592.2	613.1	528.6	440.0	429.9	367.2	388.9	441.6	579.7	577.2
45°	629.0	636.5	654.9	582.2	481.0	474.3	421.6	435.0	491.8	653.3	629.8
47.5°	721.0	722.7	715.2	626.5	525.3	525.3	474.3	486.8	537.0	721.0	698.4
50°	813.0	803.0	769.5	679.2	569.6	582.2	528.6	557.9	588.0	789.6	758.7
52.5°	864.1	862.4	817.2	719.3	608.1	632.4	591.4	616.5	634.9	859.0	815.5
55°	865.7	863.2	832.3	738.6	644.1	684.2	654.1	686.7	700.1	913.4	893.3
57.5°	838.1	844.8	828.9	749.5	661.6	734.4	730.2	765.4	772.0	977.8	946.9
60°	794.6	793.8	813.0	759.5	688.4	782.1	800.5	836.5	872.4	1027.2	994.5
62.5°	685.9	693.4	747.8	759.5	717.7	844.0	879.1	916.8	961.1	1072.3	1037.2
65°	537.0	541.2	626.5	704.3	726.0	926.8	958.6	996.2	1043.1	1118.3	1084.9
67.5°	324.5	352.1	425.8	579.7	683.4	1026.3	1084.9	1100.8	1127.5	1170.2	1155.1
70°	184.9	193.2	228.4	364.7	570.5	1058.1	1317.4	1289.0	1261.4	1271.4	1243.0
72.5°	140.5	145.5	161.4	215.8	341.3	934.3	1513.1	1618.5	1499.8	1376.8	1240.5
75°	102.0	107.1	123.0	174.0	224.2	598.9	1493.1	1781.6	1713.1	1381.8	1121.7
77.5°	63.6	64.4	73.6	148.1	201.6	300.3	1168.5	1586.7	1616.9	1290.6	930.1
80°	44.3	45.2	46.8	79.5	185.7	240.9	784.6	1165.2	1207.8	898.3	474.3
82.5°	31.8	33.5	35.1	46.8	120.4	230.0	488.5	733.6	646.6	325.4	192.4
85°	16.7	18.4	22.6	28.4	48.5	250.1	292.8	373.1	295.3	132.2	114.6
87.5°	6.7	5.9	5.0	7.5	13.4	96.2	113.8	125.5	97.0	74.4	91.2
90°	5.9	5.0	3.3	4.2	5.9	34.3	71.9	80.3	66.9	72.8	92.0
92.5°	5.9	5.0	3.3	3.3	5.9	34.3	86.2	87.8	69.4	74.4	96.2
95°	5.9	5.9	3.3	3.3	5.9	30.9	102.0	100.4	71.9	78.6	102.0
97.5°	5.9	5.9	2.5	3.3	5.9	20.9	105.4	108.7	70.3	56.0	84.5
100°	5.9	5.9	2.5	2.5	5.0	13.4	73.6	79.5	51.9	18.4	20.9
102.5°	5.9	5.9	2.5	2.5	3.3	9.2	32.6	39.3	30.9	5.9	6.7
105°	5.9	6.7	1.7	1.7	2.5	5.0	14.2	15.9	12.5	4.2	7.5
107.5°	6.7	7.5	1.7	1.7	1.7	2.5	5.0	5.9	3.3	3.3	7.5
110°	7.5	7.5	1.7	1.7	1.7	2.5	1.7	1.7	2.5	3.3	8.4

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
112.5°	5.9	5.0	0.8	1.7	1.7	1.7	1.7	1.7	1.7	3.3	8.4
115°	3.3	2.5	0.8	1.7	1.7	1.7	0.8	1.7	2.5	3.3	7.5
117.5°	3.3	2.5	0.8	0.8	0.8	1.7	0.8	0.8	2.5	4.2	9.2
120°	2.5	2.5	0.8	0.8	0.8	0.8	0.8	1.7	1.7	5.9	12.5
122.5°	2.5	2.5	0.8	0.8	0.8	0.8	0.8	1.7	1.7	5.9	12.5
125°	3.3	3.3	1.7	0.8	0.8	0.8	0.8	1.7	1.7	5.0	11.7
127.5°	2.5	2.5	1.7	0.8	0.8	0.8	0.8	1.7	1.7	4.2	9.2
130°	2.5	2.5	1.7	0.8	0.8	0.8	0.8	1.7	0.8	4.2	7.5
132.5°	2.5	2.5	1.7	0.8	0.8	0.8	0.8	0.8	0.8	2.5	5.9
135°	2.5	2.5	1.7	0.8	0.8	0.8	0.8	0.8	0.8	1.7	4.2
137.5°	1.7	1.7	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.7
140°	0.0	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
142.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
145°	0.8	0.8	0.8	0.8	1.7	0.8	0.8	0.8	0.8	0.8	0.8
147.5°	0.8	0.8	0.8	1.7	1.7	1.7	0.8	0.8	0.8	0.8	0.8
150°	1.7	1.7	3.3	2.5	1.7	0.8	0.8	0.8	0.8	0.8	0.8
152.5°	3.3	3.3	3.3	2.5	0.8	0.8	1.7	2.5	0.8	0.8	0.8
155°	2.5	2.5	2.5	0.8	0.8	0.8	0.8	0.8	1.7	2.5	2.5
157.5°	0.0	0.0	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
160°	0.0	0.0	0.0	0.8	0.8	0.8	0.8	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°	566.3	566.3	566.3	566.3	566.3	566.3	566.3	566.3	566.3	566.3	566.3
2.5°	562.9	564.6	562.9	561.3	559.6	554.6	520.3	478.5	475.1	478.5	476.8
5°	548.7	548.7	547.9	490.2	455.9	445.8	443.3	440.8	435.8	433.3	435.0
7.5°	473.4	470.9	441.6	389.8	422.4	410.7	404.0	400.7	350.5	332.1	333.7
10°	395.6	395.6	328.7	310.3	308.7	313.7	348.0	345.5	338.8	334.6	338.8
12.5°	341.3	355.5	261.0	279.4	226.7	250.9	274.4	291.1	240.1	225.8	228.4
15°	362.2	357.2	286.9	219.2	199.9	210.8	169.0	211.6	208.3	201.6	200.7
17.5°	316.2	290.2	239.2	205.8	197.4	148.9	144.7	149.7	137.2	125.5	131.3
20°	343.8	329.6	253.4	183.2	152.2	135.5	102.0	95.4	121.3	127.1	126.3
22.5°	286.9	239.2	207.4	182.3	123.0	97.0	77.0	84.5	90.3	96.2	98.7
25°	337.1	311.2	226.7	136.3	99.5	71.1	69.4	62.7	94.5	107.9	107.1
27.5°	388.9	352.1	218.3	128.0	71.9	61.1	56.0	63.6	66.1	74.4	79.5
30°	435.0	390.6	252.6	118.8	60.2	46.0	50.2	51.9	64.4	69.4	69.4
32.5°	433.3	379.7	225.8	101.2	49.4	41.8	41.8	49.4	56.9	68.6	69.4
35°	432.4	371.4	201.6	78.6	43.5	36.8	38.5	46.8	56.9	63.6	64.4
37.5°	442.5	368.9	177.3	63.6	39.3	35.1	36.8	44.3	61.1	67.8	67.8
40°	457.5	370.5	153.1	54.4	37.6	34.3	35.1	46.8	55.2	61.1	61.1
42.5°	503.5	394.8	132.2	50.2	37.6	33.5	33.5	43.5	56.0	66.1	66.9
45°	537.8	414.0	116.3	50.2	36.8	31.8	35.1	43.5	49.4	72.8	77.8
47.5°	593.0	449.2	101.2	50.2	36.8	30.9	32.6	42.7	51.9	83.6	87.0
50°	648.2	484.3	94.5	50.2	36.8	30.1	36.8	41.0	51.9	87.0	89.5
52.5°	706.8	527.8	90.3	50.2	36.8	31.8	40.1	49.4	56.0	77.8	77.0
55°	767.0	566.3	87.8	51.9	36.8	31.8	43.5	46.0	47.7	60.2	61.9
57.5°	823.1	613.1	92.8	51.9	36.0	33.5	41.0	45.2	41.8	52.7	53.5
60°	867.4	655.8	105.4	50.2	35.1	33.5	41.8	49.4	46.8	57.7	59.4
62.5°	918.4	700.9	134.7	51.0	35.1	34.3	46.8	53.5	47.7	56.9	60.2
65°	985.3	769.5	167.3	56.0	36.0	36.0	47.7	57.7	47.7	56.0	56.0
67.5°	1060.6	833.1	167.3	65.2	38.5	38.5	47.7	61.1	51.0	56.0	56.0
70°	1115.8	836.5	138.0	71.9	41.8	41.0	49.4	63.6	51.9	61.9	61.1
72.5°	1054.8	745.3	114.6	71.1	45.2	42.7	56.0	65.2	52.7	70.3	69.4
75°	926.0	614.8	99.5	63.6	41.0	43.5	58.6	66.9	53.5	73.6	71.9
77.5°	730.2	448.3	84.5	53.5	36.0	41.8	60.2	68.6	55.2	77.8	77.0
80°	353.8	225.0	68.6	45.2	32.6	40.1	60.2	67.8	54.4	80.3	80.3
82.5°	159.8	112.1	46.8	30.9	32.6	41.0	61.9	68.6	54.4	78.6	77.8
85°	103.7	77.0	30.1	24.3	32.6	46.8	62.7	65.2	51.9	72.8	72.8
87.5°	77.8	53.5	15.9	15.1	36.0	51.0	62.7	60.2	50.2	68.6	66.9
90°	79.5	56.9	16.7	15.1	38.5	51.9	62.7	59.4	48.5	61.9	61.9
92.5°	86.2	62.7	19.2	16.7	39.3	46.8	59.4	53.5	45.2	53.5	52.7
95°	93.7	70.3	22.6	19.2	34.3	34.3	46.8	43.5	38.5	41.0	41.0
97.5°	68.6	50.2	20.1	20.9	25.9	21.7	30.9	29.3	20.1	18.4	17.6
100°	20.1	16.7	18.4	20.1	18.4	15.9	23.4	22.6	13.4	6.7	6.7
102.5°	7.5	8.4	16.7	18.4	14.2	11.7	16.7	18.4	10.9	1.7	2.5
105°	6.7	5.9	11.7	14.2	8.4	6.7	8.4	11.7	6.7	1.7	1.7
107.5°	7.5	5.9	5.9	7.5	3.3	3.3	3.3	4.2	2.5	1.7	1.7
110°	7.5	5.9	3.3	3.3	2.5	2.5	2.5	1.7	1.7	1.7	1.7



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	7.5	5.9	3.3	3.3	2.5	2.5	1.7	1.7	2.5	4.2	4.2
115°	8.4	6.7	3.3	2.5	1.7	2.5	1.7	0.8	2.5	5.9	5.9
117.5°	10.0	7.5	2.5	2.5	1.7	1.7	1.7	0.8	2.5	7.5	8.4
120°	12.5	9.2	3.3	1.7	1.7	1.7	1.7	0.8	3.3	8.4	9.2
122.5°	12.5	10.0	3.3	1.7	1.7	0.8	0.8	1.7	3.3	8.4	9.2
125°	11.7	9.2	3.3	1.7	1.7	0.8	0.8	0.8	4.2	8.4	9.2
127.5°	9.2	8.4	3.3	1.7	0.8	0.8	0.8	1.7	3.3	7.5	7.5
130°	7.5	6.7	2.5	1.7	0.8	0.8	0.8	0.8	3.3	5.9	6.7
132.5°	5.9	5.0	2.5	1.7	0.8	0.8	0.8	0.8	3.3	5.9	5.9
135°	4.2	4.2	1.7	0.8	0.8	0.8	0.8	0.8	2.5	4.2	5.0
137.5°	1.7	1.7	1.7	0.8	0.8	0.8	0.8	0.8	1.7	2.5	2.5
140°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.0	0.8	1.7	1.7
142.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.0	0.8	0.8	0.8	1.7
145°	0.8	0.8	0.8	0.8	0.8	0.8	0.0	0.8	0.8	0.8	0.8
147.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.0	0.8	0.8	0.8	0.8
150°	0.8	0.8	0.8	0.8	0.8	0.8	0.0	0.8	0.8	0.8	0.8
152.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.0	0.8	0.8	1.7	1.7
155°	2.5	2.5	2.5	1.7	0.8	0.0	0.0	0.0	0.8	0.8	1.7
157.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.0	0.0	0.8	0.8	0.8
160°	0.8	0.8	0.8	0.8	0.8	0.0	0.0	0.0	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

(END OF REPORT)