

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: P561005

Luminaire Tested: **SDL-PA1-70-830-U-T3-HSS-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P561005
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-PA1-70-830-U-T3-HSS-A
Description: Springdale
(1) 80 CRI, 3000K, 930mA 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: 4710.8 lumens
Efficiency: N/A
Efficacy: 65.2 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: B1 - U3 - G2

Input Watts (W): 72.2
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

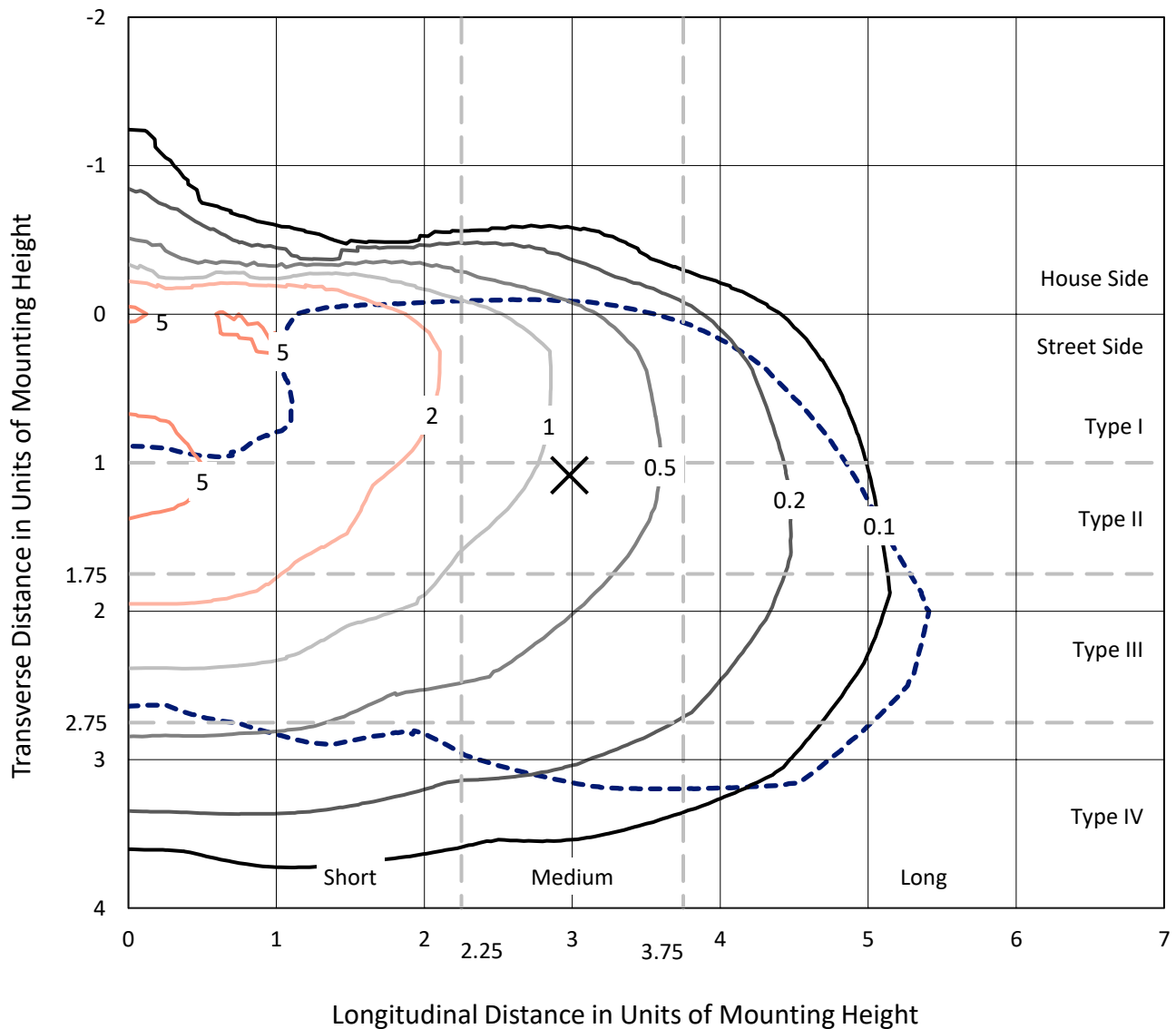


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Iso-Footcandle Lines of Horizontal Illumination

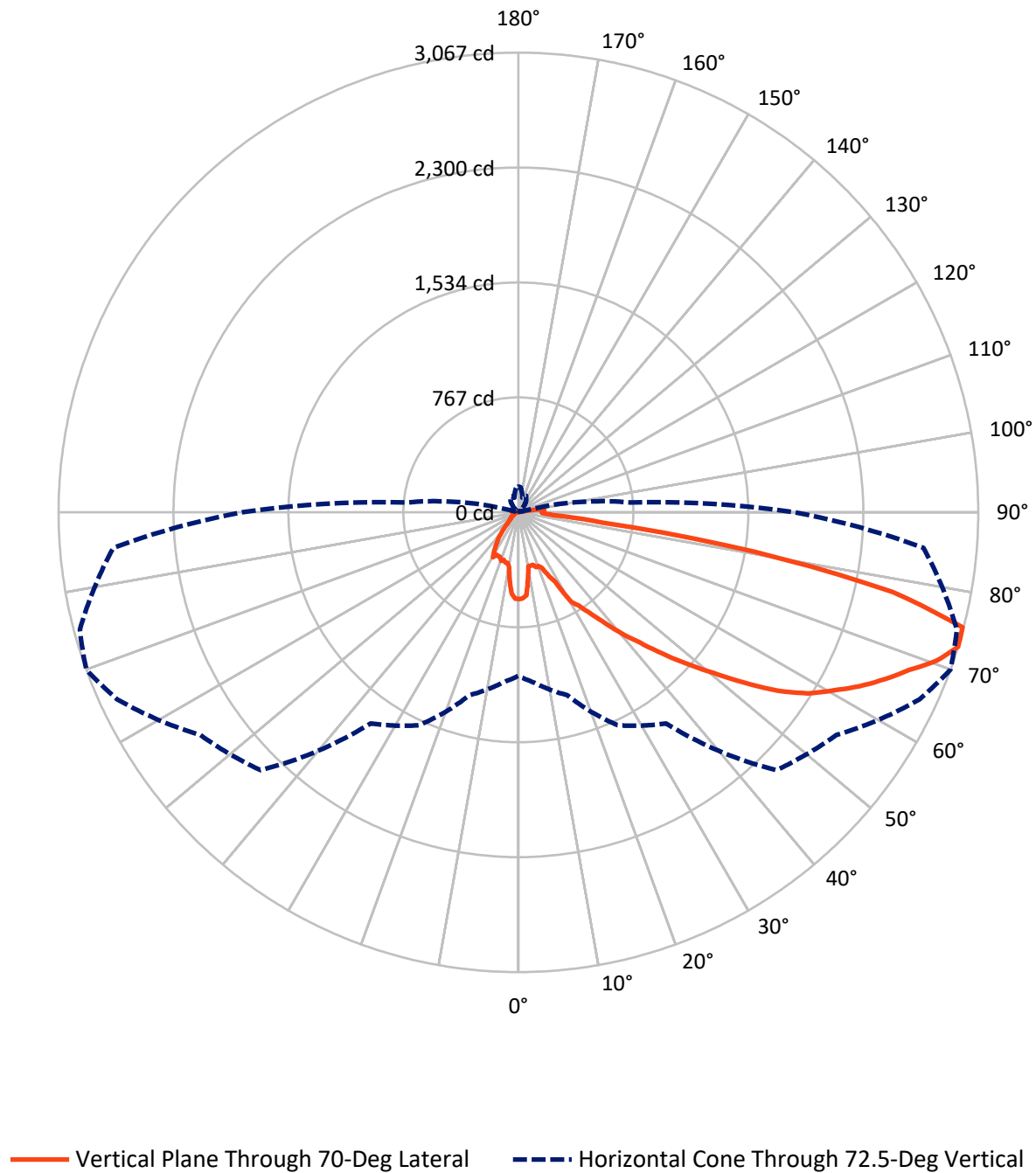
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.7 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



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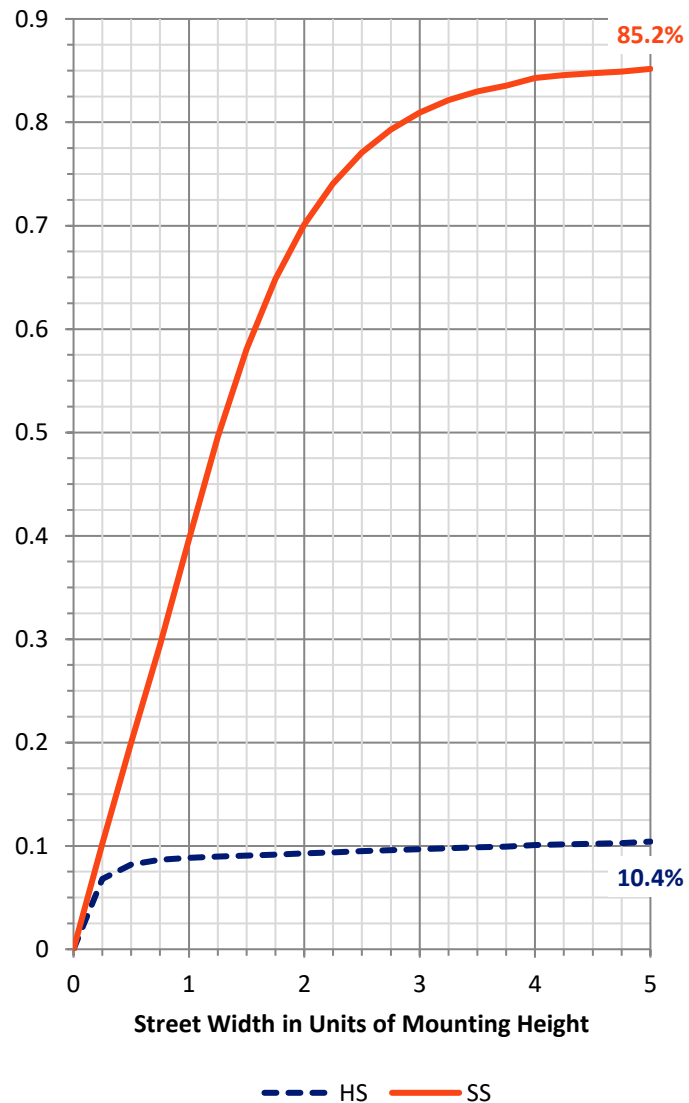
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	540.0	76.0	616.0
	% Fixture	11.5	1.6	13.1
Street Side	Lumens	4033.3	61.5	4094.8
	% Fixture	85.6	1.3	86.9
Total	Lumens	4573.2	137.6	4710.8
	% Fixture	97.1	2.9	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	44.6	0.9
10°-20°	88.2	1.9
20°-30°	142.9	3.0
30°-40°	305.3	6.5
40°-50°	600.3	12.7
50°-60°	1002.4	21.3
60°-70°	1244.1	26.4
70°-80°	958.1	20.3
80°-90°	187.4	4.0
90°-100°	101.7	2.2
100°-110°	21.0	0.4
110°-120°	6.0	0.1
120°-130°	4.6	0.1
130°-140°	2.2	0.0
140°-150°	1.0	0.0
150°-160°	0.9	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	4573.2	97.1
0°-180°	4710.8	100.0

Coefficient of Utilization



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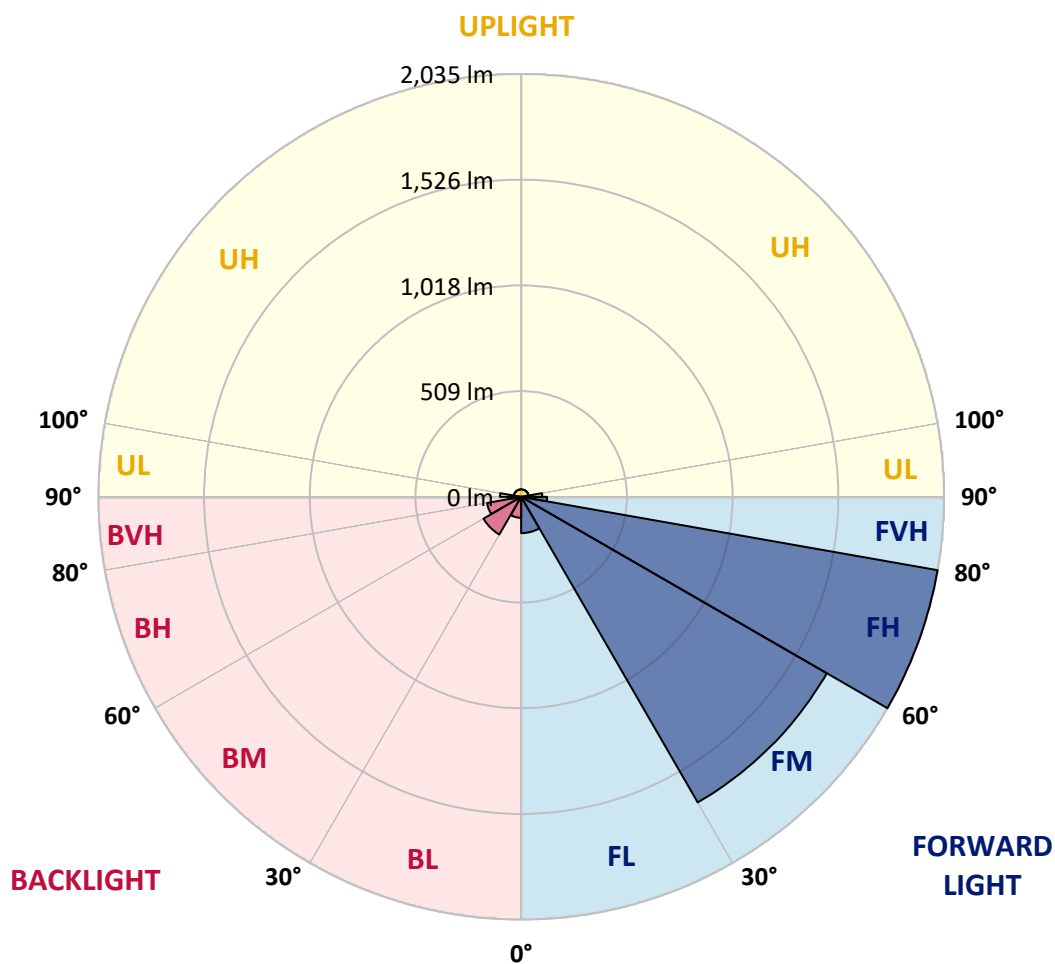
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	174.7	3.7			
FM	(30°-60°)	1698.6	36.1			
FH	(60°-80°)	2035.3	43.2			G2/5000
FVH	(80°-90°)	124.7	2.6			G2/225
BL	(0°-30°)	101.0	2.1	B0/110		
BM	(30°-60°)	209.4	4.4	B0/220		
BH	(60°-80°)	166.9	3.5	B1/500		G1/500
BVH	(80°-90°)	62.7	1.3			G1/100
UL	(90°-100°)	101.7	2.2		U3/500	
UH	(100°-180°)	35.9	0.8		U2/50	

BUG Rating: B1-U3-G2

Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	578.6	578.6	578.6	578.6	578.6	578.6	578.6	578.6	578.6	578.6	578.6
2.5°	487.9	541.8	544.3	549.2	554.1	561.5	573.7	573.7	573.7	573.7	576.2
5°	463.4	463.4	463.4	468.3	468.3	473.2	475.6	549.2	556.6	563.9	563.9
7.5°	384.9	421.7	424.2	438.9	456.0	463.4	468.3	463.4	456.0	485.5	497.7
10°	421.7	421.7	421.7	426.6	402.1	389.8	360.4	362.9	365.3	387.4	441.3
12.5°	350.6	372.7	394.7	419.3	387.4	348.2	340.8	360.4	365.3	326.1	387.4
15°	409.4	407.0	407.0	384.9	321.2	348.2	304.0	321.2	362.9	397.2	460.9
17.5°	338.3	328.5	382.5	377.6	343.2	274.6	350.6	348.2	384.9	355.5	397.2
20°	402.1	399.6	399.6	308.9	340.8	370.2	365.3	340.8	382.5	426.6	502.6
22.5°	338.3	333.4	343.2	370.2	338.3	382.5	333.4	421.7	402.1	389.8	365.3
25°	426.6	424.2	424.2	338.3	382.5	350.6	421.7	384.9	465.8	507.5	554.1
27.5°	382.5	382.5	365.3	392.3	365.3	441.3	404.5	485.5	527.1	554.1	669.3
30°	529.6	532.0	502.6	389.8	407.0	414.3	478.1	600.7	691.4	757.6	828.7
32.5°	762.5	747.8	625.2	532.0	431.5	512.4	529.6	698.8	742.9	814.0	875.3
35°	1037.1	1029.7	921.9	688.9	519.8	549.2	590.9	760.0	828.7	899.8	936.6
37.5°	1225.9	1218.5	1149.9	877.7	627.7	639.9	644.8	845.9	934.1	1005.2	1022.4
40°	1380.3	1368.1	1326.4	1024.8	772.3	747.8	723.3	963.5	1064.1	1122.9	1130.3
42.5°	1613.3	1593.6	1488.2	1194.0	919.4	892.4	809.1	1066.5	1186.7	1265.1	1270.0
45°	1892.8	1875.6	1728.5	1429.4	1076.3	1069.0	961.1	1198.9	1341.1	1434.3	1407.3
47.5°	2084.0	2037.4	1954.1	1654.9	1319.1	1255.3	1130.3	1333.8	1507.8	1647.6	1571.6
50°	2258.1	2223.8	2152.7	1905.0	1581.4	1495.6	1306.8	1488.2	1684.4	1811.9	1708.9
52.5°	2419.9	2368.4	2309.6	2091.4	1807.0	1765.3	1480.9	1642.7	1887.9	1993.3	1851.1
55°	2500.8	2419.9	2410.1	2260.5	1981.0	1946.7	1677.0	1833.9	2101.2	2174.7	1985.9
57.5°	2368.4	2366.0	2442.0	2363.5	2123.2	2106.1	1875.6	2039.9	2280.1	2314.5	2118.3
60°	2280.1	2282.6	2397.8	2402.7	2248.3	2258.1	2054.6	2277.7	2412.5	2434.6	2243.4
62.5°	2125.7	2142.8	2316.9	2429.7	2280.1	2402.7	2206.6	2442.0	2554.7	2562.1	2397.8
65°	1932.0	1949.2	2125.7	2356.1	2245.8	2498.4	2334.1	2625.8	2684.7	2689.6	2567.0
67.5°	1706.4	1713.8	1909.9	2164.9	2162.5	2532.7	2412.5	2748.4	2809.7	2824.4	2711.7
70°	1456.4	1446.5	1625.5	1919.7	1983.5	2515.5	2508.2	2868.6	2961.7	2959.3	2812.2
72.5°	1091.0	1137.6	1262.7	1566.7	1718.7	2432.2	2589.1	2951.9	3067.2	3027.9	2711.7
75°	372.7	397.2	735.5	997.9	1324.0	2209.0	2606.2	2956.8	3059.8	2885.7	2218.8
77.5°	122.6	115.2	164.3	397.2	735.5	1529.9	2292.4	2579.3	2552.3	2243.4	1363.2
80°	58.8	61.3	73.6	139.8	269.7	693.9	1439.2	1632.9	1596.1	1176.8	590.9
82.5°	39.2	41.7	49.0	80.9	152.0	237.8	765.0	745.3	563.9	370.2	242.7
85°	17.2	17.2	24.5	41.7	93.2	156.9	291.8	255.0	230.5	213.3	198.6
87.5°	4.9	4.9	9.8	14.7	31.9	98.1	164.3	154.5	159.4	166.7	188.8
90°	4.9	4.9	4.9	4.9	24.5	103.0	166.7	156.9	156.9	166.7	198.6
92.5°	7.4	7.4	4.9	4.9	22.1	103.0	174.1	149.6	159.4	169.2	213.3
95°	7.4	9.8	4.9	2.5	17.2	105.4	179.0	159.4	174.1	171.6	228.0
97.5°	9.8	9.8	4.9	2.5	9.8	90.7	181.4	129.9	132.4	122.6	179.0
100°	12.3	12.3	4.9	4.9	7.4	46.6	134.8	83.4	51.5	39.2	58.8
102.5°	14.7	14.7	4.9	4.9	4.9	17.2	61.3	49.0	27.0	7.4	14.7
105°	14.7	17.2	4.9	4.9	2.5	7.4	27.0	19.6	9.8	7.4	14.7
107.5°	17.2	17.2	4.9	4.9	2.5	4.9	7.4	7.4	4.9	7.4	14.7
110°	17.2	17.2	7.4	4.9	2.5	4.9	2.5	4.9	4.9	7.4	17.2

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
112.5°	12.3	12.3	4.9	7.4	2.5	2.5	2.5	4.9	4.9	7.4	14.7
115°	7.4	4.9	2.5	4.9	2.5	2.5	2.5	4.9	4.9	4.9	12.3
117.5°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	4.9	4.9	7.4	14.7
120°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	4.9	4.9	9.8	17.2
122.5°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	4.9	9.8	19.6
125°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	4.9	7.4	17.2
127.5°	2.5	2.5	2.5	0.0	2.5	2.5	2.5	2.5	4.9	7.4	14.7
130°	2.5	2.5	2.5	0.0	2.5	2.5	2.5	2.5	2.5	4.9	9.8
132.5°	2.5	2.5	2.5	0.0	2.5	2.5	2.5	2.5	2.5	4.9	9.8
135°	2.5	2.5	2.5	0.0	2.5	2.5	2.5	2.5	2.5	2.5	4.9
137.5°	2.5	2.5	0.0	0.0	2.5	2.5	2.5	2.5	2.5	2.5	2.5
140°	0.0	0.0	0.0	0.0	2.5	2.5	2.5	2.5	2.5	2.5	2.5
142.5°	0.0	0.0	0.0	0.0	2.5	2.5	2.5	2.5	2.5	2.5	2.5
145°	0.0	0.0	0.0	0.0	2.5	2.5	2.5	2.5	2.5	2.5	2.5
147.5°	0.0	0.0	0.0	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
150°	4.9	4.9	4.9	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
152.5°	4.9	4.9	4.9	2.5	2.5	2.5	2.5	4.9	4.9	2.5	2.5
155°	2.5	2.5	2.5	0.0	0.0	2.5	2.5	2.5	2.5	4.9	4.9
157.5°	0.0	2.5	2.5	0.0	0.0	2.5	2.5	2.5	2.5	2.5	2.5
160°	0.0	0.0	0.0	0.0	0.0	2.5	2.5	2.5	2.5	2.5	2.5
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°	578.6	578.6	578.6	578.6	578.6	578.6	578.6	578.6	578.6	578.6	578.6
2.5°	576.2	576.2	573.7	578.6	576.2	576.2	544.3	512.4	505.1	507.5	512.4
5°	566.4	566.4	566.4	527.1	483.0	468.3	473.2	473.2	473.2	470.7	475.6
7.5°	500.2	497.7	490.4	446.2	465.8	463.4	460.9	456.0	397.2	382.5	382.5
10°	443.8	443.8	380.0	362.9	362.9	377.6	387.4	372.7	365.3	353.1	350.6
12.5°	389.8	389.8	326.1	362.9	306.5	304.0	296.7	272.1	230.5	201.0	203.5
15°	463.4	463.4	384.9	308.9	257.4	242.7	152.0	142.2	137.3	134.8	132.4
17.5°	394.7	397.2	355.5	306.5	240.3	127.5	107.9	107.9	107.9	103.0	93.2
20°	500.2	500.2	414.3	274.6	181.4	100.5	83.4	73.6	100.5	100.5	100.5
22.5°	362.9	358.0	365.3	279.5	112.8	80.9	68.6	85.8	90.7	76.0	76.0
25°	549.2	541.8	443.8	201.0	93.2	63.7	76.0	66.2	85.8	85.8	85.8
27.5°	676.7	627.7	451.1	183.9	68.6	73.6	61.3	73.6	66.2	63.7	63.7
30°	814.0	791.9	544.3	144.7	66.2	61.3	63.7	58.8	68.6	63.7	63.7
32.5°	858.1	836.1	492.8	112.8	63.7	58.8	53.9	56.4	53.9	56.4	56.4
35°	914.5	892.4	436.4	85.8	58.8	51.5	49.0	49.0	46.6	44.1	44.1
37.5°	995.4	958.6	372.7	73.6	53.9	46.6	39.2	36.8	39.2	49.0	51.5
40°	1088.6	1027.3	294.2	66.2	46.6	39.2	29.4	34.3	41.7	41.7	41.7
42.5°	1223.4	1110.7	218.2	61.3	41.7	31.9	22.1	27.0	31.9	44.1	44.1
45°	1341.1	1159.7	154.5	56.4	34.3	24.5	17.2	27.0	34.3	39.2	39.2
47.5°	1478.4	1206.3	115.2	53.9	31.9	17.2	19.6	27.0	27.0	41.7	41.7
50°	1593.6	1216.1	93.2	49.0	24.5	12.3	24.5	24.5	29.4	36.8	36.8
52.5°	1701.5	1225.9	83.4	44.1	19.6	9.8	24.5	24.5	34.3	44.1	44.1
55°	1772.6	1196.5	76.0	39.2	17.2	7.4	27.0	27.0	27.0	34.3	34.3
57.5°	1829.0	1159.7	71.1	34.3	14.7	14.7	29.4	34.3	29.4	34.3	34.3
60°	1865.8	1093.5	61.3	31.9	12.3	14.7	36.8	44.1	34.3	51.5	51.5
62.5°	1932.0	1042.0	53.9	29.4	9.8	14.7	36.8	56.4	44.1	68.6	71.1
65°	1985.9	995.4	46.6	22.1	9.8	19.6	41.7	71.1	53.9	85.8	88.3
67.5°	2008.0	939.0	39.2	19.6	9.8	22.1	53.9	88.3	68.6	100.5	100.5
70°	1990.8	880.2	31.9	19.6	9.8	34.3	71.1	103.0	83.4	122.6	125.0
72.5°	1841.3	750.2	24.5	19.6	7.4	36.8	88.3	122.6	100.5	166.7	171.6
75°	1409.8	475.6	24.5	19.6	9.8	41.7	103.0	142.2	120.1	186.3	193.7
77.5°	860.6	220.7	24.5	22.1	12.3	51.5	112.8	164.3	132.4	201.0	205.9
80°	382.5	137.3	24.5	24.5	24.5	63.7	132.4	181.4	149.6	213.3	220.7
82.5°	191.2	103.0	22.1	24.5	36.8	76.0	156.9	193.7	154.5	220.7	223.1
85°	164.3	93.2	22.1	27.0	39.2	88.3	169.2	196.1	161.8	218.2	220.7
87.5°	156.9	88.3	27.0	27.0	44.1	93.2	174.1	205.9	166.7	210.9	208.4
90°	164.3	85.8	29.4	31.9	56.4	95.6	176.5	201.0	166.7	198.6	198.6
92.5°	169.2	83.4	31.9	36.8	68.6	107.9	174.1	196.1	166.7	183.9	183.9
95°	174.1	83.4	36.8	41.7	68.6	117.7	166.7	179.0	154.5	164.3	161.8
97.5°	132.4	61.3	44.1	46.6	63.7	90.7	134.8	139.8	100.5	98.1	95.6
100°	46.6	27.0	44.1	51.5	39.2	39.2	80.9	98.1	58.8	36.8	41.7
102.5°	14.7	12.3	39.2	51.5	31.9	14.7	41.7	61.3	44.1	4.9	4.9
105°	14.7	14.7	22.1	41.7	22.1	4.9	14.7	34.3	27.0	4.9	4.9
107.5°	14.7	12.3	9.8	24.5	7.4	4.9	7.4	7.4	7.4	2.5	4.9
110°	17.2	12.3	4.9	7.4	4.9	4.9	4.9	4.9	4.9	9.8	9.8

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	17.2	12.3	4.9	7.4	4.9	4.9	4.9	2.5	4.9	12.3	14.7
115°	14.7	12.3	4.9	4.9	4.9	4.9	2.5	2.5	4.9	14.7	14.7
117.5°	17.2	14.7	4.9	4.9	2.5	4.9	2.5	2.5	4.9	14.7	17.2
120°	19.6	17.2	4.9	4.9	2.5	2.5	2.5	2.5	4.9	12.3	14.7
122.5°	19.6	19.6	4.9	2.5	2.5	2.5	2.5	2.5	7.4	12.3	12.3
125°	17.2	17.2	4.9	2.5	2.5	2.5	2.5	2.5	7.4	12.3	12.3
127.5°	14.7	14.7	4.9	2.5	2.5	2.5	2.5	2.5	4.9	9.8	12.3
130°	12.3	12.3	4.9	2.5	2.5	2.5	0.0	2.5	4.9	9.8	9.8
132.5°	9.8	7.4	4.9	2.5	2.5	2.5	0.0	2.5	4.9	7.4	9.8
135°	7.4	7.4	2.5	2.5	2.5	2.5	0.0	0.0	4.9	4.9	7.4
137.5°	4.9	2.5	2.5	2.5	2.5	0.0	0.0	0.0	2.5	4.9	4.9
140°	2.5	2.5	2.5	2.5	2.5	0.0	0.0	0.0	0.0	2.5	2.5
142.5°	2.5	2.5	2.5	2.5	2.5	0.0	0.0	0.0	0.0	2.5	2.5
145°	2.5	2.5	2.5	2.5	2.5	0.0	0.0	0.0	0.0	2.5	2.5
147.5°	2.5	2.5	2.5	2.5	2.5	0.0	0.0	0.0	0.0	2.5	2.5
150°	2.5	2.5	2.5	2.5	2.5	0.0	0.0	0.0	0.0	2.5	2.5
152.5°	2.5	2.5	2.5	2.5	2.5	0.0	0.0	0.0	2.5	2.5	2.5
155°	4.9	4.9	4.9	2.5	2.5	0.0	0.0	0.0	0.0	2.5	2.5
157.5°	2.5	2.5	2.5	2.5	2.5	0.0	0.0	0.0	0.0	0.0	0.0
160°	2.5	2.5	2.5	2.5	2.5	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)