

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: P561027

Luminaire Tested: **SDL-PA1-80-722-U-T3-HSS-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P561027
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-PA1-80-722-U-T3-HSS-A
Description: Springdale
(1) 70 CRI, 2200K, 1050mA 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: 4784.5 lumens
Efficiency: N/A
Efficacy: 58.3 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): 82
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

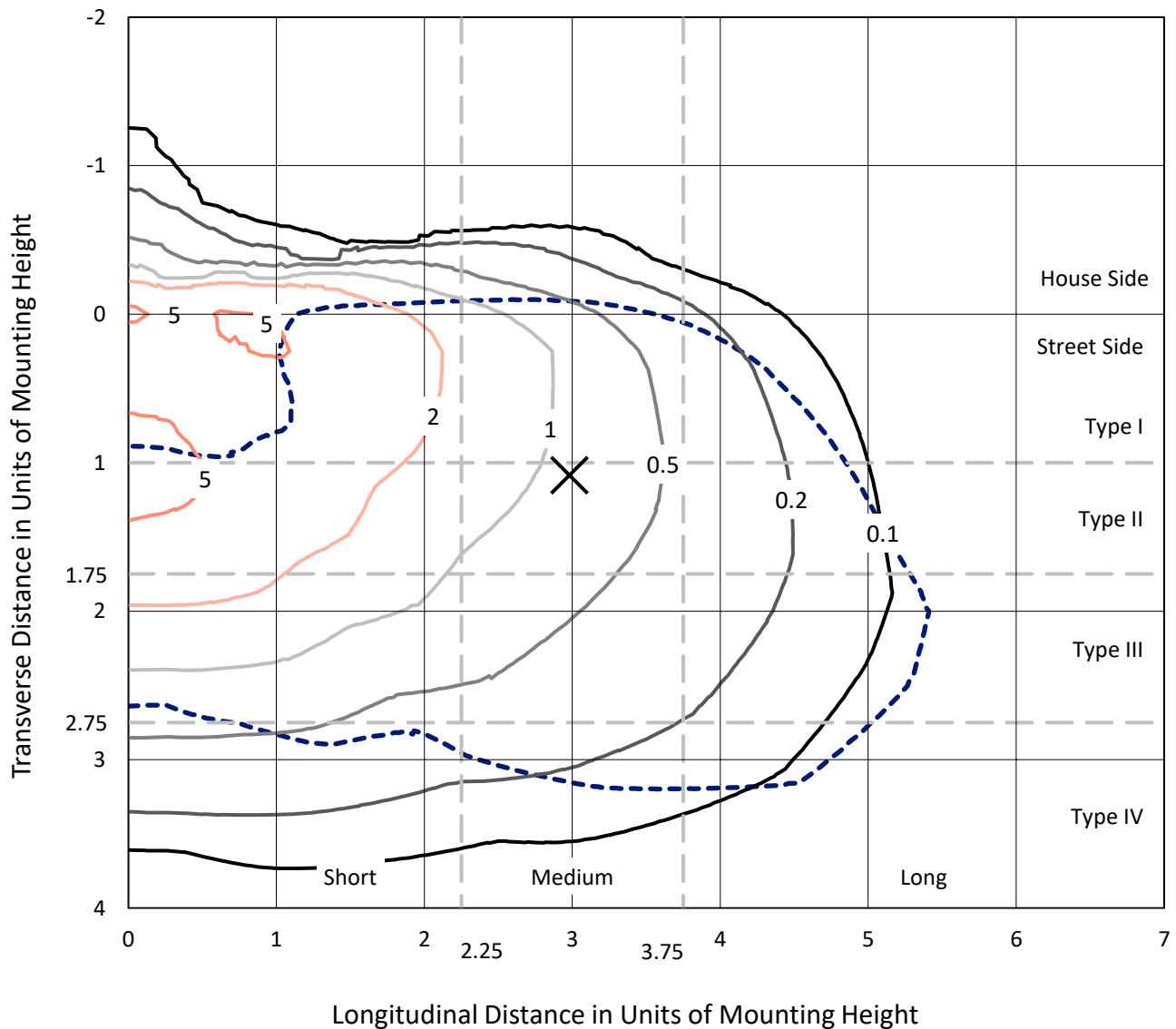


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

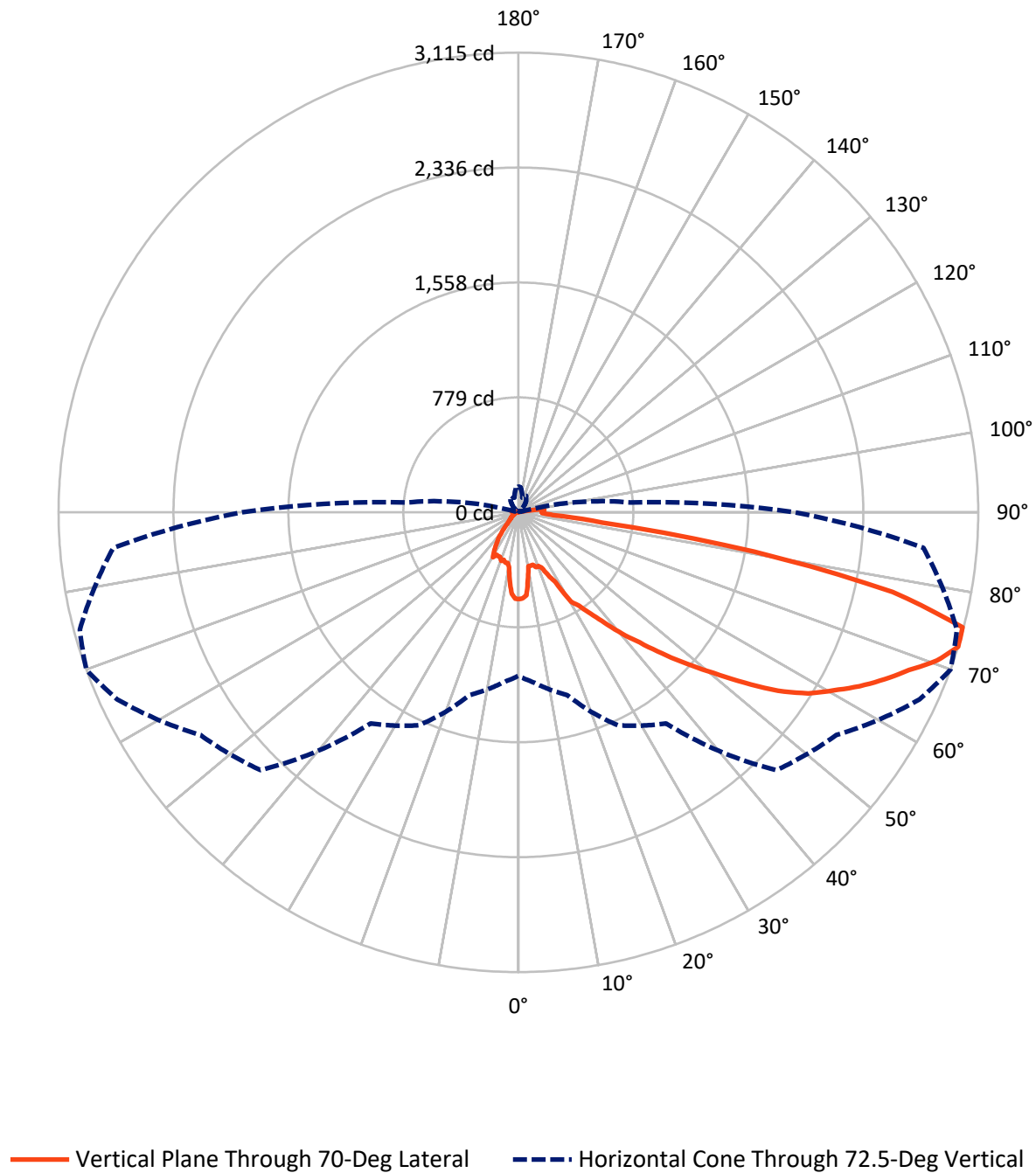


Based on 10 foot mounting height. Maximum calculated value = 6.8 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



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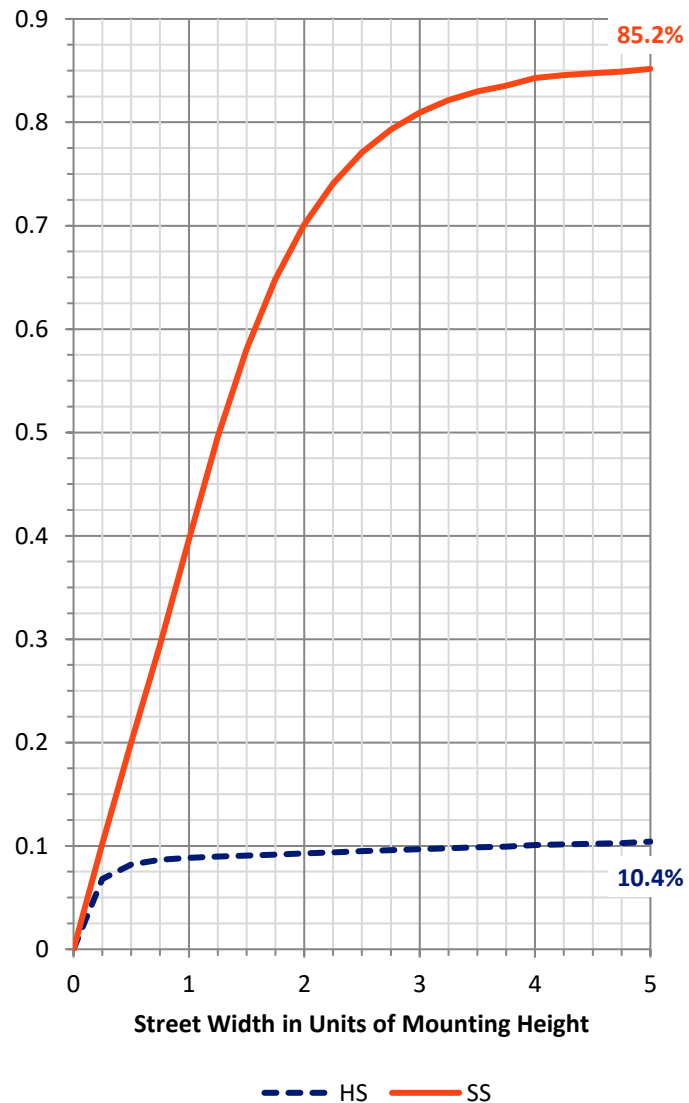
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	548.4	77.2	625.6
	% Fixture	11.5	1.6	13.1
Street Side	Lumens	4096.4	62.5	4158.9
	% Fixture	85.6	1.3	86.9
Total	Lumens	4644.9	139.6	4784.5
	% Fixture	97.1	2.9	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	45.3	0.9
10°-20°	89.6	1.9
20°-30°	145.1	3.0
30°-40°	310.1	6.5
40°-50°	609.7	12.7
50°-60°	1018.1	21.3
60°-70°	1263.5	26.4
70°-80°	973.1	20.3
80°-90°	190.3	4.0
90°-100°	103.3	2.2
100°-110°	21.4	0.4
110°-120°	6.1	0.1
120°-130°	4.7	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°	4644.9	97.1
0°-180°	4784.5	100.0

Coefficient of Utilization



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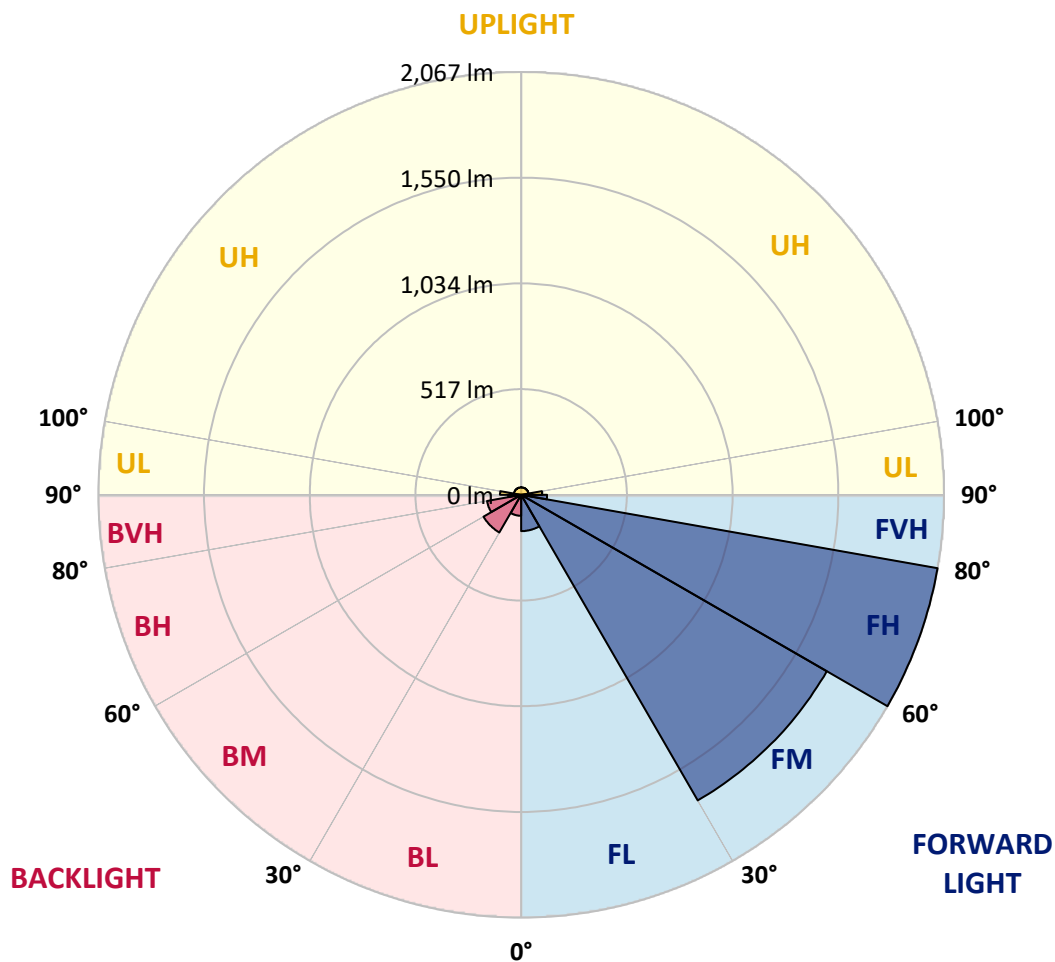
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	177.5	3.7			
FM	(30°-60°)	1725.2	36.1			
FH	(60°-80°)	2067.2	43.2			G2/5000
FVH	(80°-90°)	126.6	2.6			G2/225
BL	(0°-30°)	102.6	2.1	B0/110		
BM	(30°-60°)	212.7	4.4	B0/220		
BH	(60°-80°)	169.5	3.5	B1/500		G1/500
BVH	(80°-90°)	63.7	1.3			G1/100
UL	(90°-100°)	103.3	2.2		U3/500	
UH	(100°-180°)	36.4	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°	587.7	587.7	587.7	587.7	587.7	587.7	587.7	587.7	587.7	587.7	587.7
2.5°	495.5	550.3	552.8	557.8	562.8	570.3	582.7	582.7	582.7	582.7	585.2
5°	470.6	470.6	470.6	475.6	475.6	480.6	483.1	557.8	565.3	572.7	572.7
7.5°	391.0	428.3	430.8	445.7	463.2	470.6	475.6	470.6	463.2	493.1	505.5
10°	428.3	428.3	428.3	433.3	408.4	395.9	366.1	368.5	371.0	393.4	448.2
12.5°	356.1	378.5	400.9	425.8	393.4	353.6	346.1	366.1	371.0	331.2	393.4
15°	415.9	413.4	413.4	391.0	326.2	353.6	308.8	326.2	368.5	403.4	468.2
17.5°	343.6	333.7	388.5	383.5	348.6	278.9	356.1	353.6	391.0	361.1	403.4
20°	408.4	405.9	405.9	313.8	346.1	376.0	371.0	346.1	388.5	433.3	510.5
22.5°	343.6	338.7	348.6	376.0	343.6	388.5	338.7	428.3	408.4	395.9	371.0
25°	433.3	430.8	430.8	343.6	388.5	356.1	428.3	391.0	473.1	515.5	562.8
27.5°	388.5	388.5	371.0	398.4	371.0	448.2	410.9	493.1	535.4	562.8	679.8
30°	537.9	540.4	510.5	395.9	413.4	420.8	485.6	610.1	702.2	769.5	841.7
32.5°	774.4	759.5	635.0	540.4	438.3	520.4	537.9	709.7	754.5	826.7	889.0
35°	1053.3	1045.9	936.3	699.7	527.9	557.8	600.1	772.0	841.7	913.9	951.2
37.5°	1245.1	1237.6	1167.9	891.5	637.5	649.9	654.9	859.1	948.8	1021.0	1038.4
40°	1402.0	1389.5	1347.2	1040.9	784.4	759.5	734.6	978.6	1080.7	1140.5	1148.0
42.5°	1638.5	1618.6	1511.5	1212.7	933.8	906.4	821.8	1083.2	1205.2	1284.9	1289.9
45°	1922.4	1905.0	1755.6	1451.8	1093.2	1085.7	976.2	1217.7	1362.1	1456.8	1429.4
47.5°	2116.7	2069.3	1984.7	1680.9	1339.7	1275.0	1148.0	1354.7	1531.5	1673.4	1596.2
50°	2293.5	2258.6	2186.4	1934.9	1606.2	1519.0	1327.3	1511.5	1710.8	1840.2	1735.7
52.5°	2457.8	2405.5	2345.8	2124.1	1835.3	1792.9	1504.1	1668.4	1917.4	2024.5	1880.1
55°	2540.0	2457.8	2447.8	2295.9	2012.1	1977.2	1703.3	1862.7	2134.1	2208.8	2017.0
57.5°	2405.5	2403.0	2480.2	2400.5	2156.5	2139.1	1905.0	2071.8	2315.9	2350.7	2151.5
60°	2315.9	2318.4	2435.4	2440.4	2283.5	2293.5	2086.8	2313.4	2450.3	2472.8	2278.5
62.5°	2159.0	2176.4	2353.2	2467.8	2315.9	2440.4	2241.2	2480.2	2594.8	2602.2	2435.4
65°	1962.3	1979.7	2159.0	2393.1	2281.0	2537.5	2370.7	2667.0	2726.8	2731.7	2607.2
67.5°	1733.2	1740.6	1939.9	2198.8	2196.3	2572.4	2450.3	2791.5	2853.7	2868.7	2754.1
70°	1479.2	1469.2	1651.0	1949.8	2014.6	2554.9	2547.5	2913.5	3008.1	3005.7	2856.2
72.5°	1108.1	1155.4	1282.4	1591.2	1745.6	2470.3	2629.6	2998.2	3115.2	3075.4	2754.1
75°	378.5	403.4	747.1	1013.5	1344.7	2243.7	2647.1	3003.2	3107.7	2930.9	2253.6
77.5°	124.5	117.0	166.8	403.4	747.1	1553.9	2328.3	2619.7	2592.3	2278.5	1384.5
80°	59.8	62.3	74.7	141.9	273.9	704.7	1461.7	1658.5	1621.1	1195.3	600.1
82.5°	39.8	42.3	49.8	82.2	154.4	241.5	776.9	757.0	572.7	376.0	246.5
85°	17.4	17.4	24.9	42.3	94.6	159.4	296.3	259.0	234.1	216.6	201.7
87.5°	5.0	5.0	10.0	14.9	32.4	99.6	166.8	156.9	161.9	169.3	191.7
90°	5.0	5.0	5.0	5.0	24.9	104.6	169.3	159.4	159.4	169.3	201.7
92.5°	7.5	7.5	5.0	5.0	22.4	104.6	176.8	151.9	161.9	171.8	216.6
95°	7.5	10.0	5.0	2.5	17.4	107.1	181.8	161.9	176.8	174.3	231.6
97.5°	10.0	10.0	5.0	2.5	10.0	92.1	184.3	132.0	134.5	124.5	181.8
100°	12.5	12.5	5.0	5.0	7.5	47.3	137.0	84.7	52.3	39.8	59.8
102.5°	14.9	14.9	5.0	5.0	5.0	17.4	62.3	49.8	27.4	7.5	14.9
105°	14.9	17.4	5.0	5.0	2.5	7.5	27.4	19.9	10.0	7.5	14.9
107.5°	17.4	17.4	5.0	5.0	2.5	5.0	7.5	7.5	5.0	7.5	14.9
110°	17.4	17.4	7.5	5.0	2.5	5.0	2.5	5.0	5.0	7.5	17.4

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
112.5°	12.5	12.5	5.0	7.5	2.5	2.5	2.5	5.0	5.0	7.5	14.9
115°	7.5	5.0	2.5	5.0	2.5	2.5	2.5	5.0	5.0	5.0	12.5
117.5°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	5.0	5.0	7.5	14.9
120°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	5.0	5.0	10.0	17.4
122.5°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	5.0	10.0	19.9
125°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	5.0	7.5	17.4
127.5°	2.5	2.5	2.5	0.0	2.5	2.5	2.5	2.5	5.0	7.5	14.9
130°	2.5	2.5	2.5	0.0	2.5	2.5	2.5	2.5	2.5	5.0	10.0
132.5°	2.5	2.5	2.5	0.0	2.5	2.5	2.5	2.5	2.5	5.0	10.0
135°	2.5	2.5	2.5	0.0	2.5	2.5	2.5	2.5	2.5	2.5	5.0
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°	5.0	5.0	5.0	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
152.5°	5.0	5.0	5.0	2.5	2.5	2.5	2.5	5.0	5.0	2.5	2.5
155°	2.5	2.5	2.5	0.0	0.0	2.5	2.5	2.5	2.5	5.0	5.0
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°	587.7	587.7	587.7	587.7	587.7	587.7	587.7	587.7	587.7	587.7	587.7
2.5°	585.2	585.2	582.7	587.7	585.2	585.2	552.8	520.4	513.0	515.5	520.4
5°	575.2	575.2	575.2	535.4	490.6	475.6	480.6	480.6	480.6	478.1	483.1
7.5°	508.0	505.5	498.0	453.2	473.1	470.6	468.2	463.2	403.4	388.5	388.5
10°	450.7	450.7	386.0	368.5	368.5	383.5	393.4	378.5	371.0	358.6	356.1
12.5°	395.9	395.9	331.2	368.5	311.3	308.8	301.3	276.4	234.1	204.2	206.7
15°	470.6	470.6	391.0	313.8	261.5	246.5	154.4	144.4	139.5	137.0	134.5
17.5°	400.9	403.4	361.1	311.3	244.0	129.5	109.6	109.6	109.6	104.6	94.6
20°	508.0	508.0	420.8	278.9	184.3	102.1	84.7	74.7	102.1	102.1	102.1
22.5°	368.5	363.6	371.0	283.9	114.5	82.2	69.7	87.2	92.1	77.2	77.2
25°	557.8	550.3	450.7	204.2	94.6	64.7	77.2	67.2	87.2	87.2	87.2
27.5°	687.3	637.5	458.2	186.8	69.7	74.7	62.3	74.7	67.2	64.7	64.7
30°	826.7	804.3	552.8	146.9	67.2	62.3	64.7	59.8	69.7	64.7	64.7
32.5°	871.6	849.2	500.5	114.5	64.7	59.8	54.8	57.3	54.8	57.3	57.3
35°	928.8	906.4	443.3	87.2	59.8	52.3	49.8	49.8	47.3	44.8	44.8
37.5°	1011.0	973.7	378.5	74.7	54.8	47.3	39.8	37.4	39.8	49.8	52.3
40°	1105.6	1043.4	298.8	67.2	47.3	39.8	29.9	34.9	42.3	42.3	42.3
42.5°	1242.6	1128.1	221.6	62.3	42.3	32.4	22.4	27.4	32.4	44.8	44.8
45°	1362.1	1177.9	156.9	57.3	34.9	24.9	17.4	27.4	34.9	39.8	39.8
47.5°	1501.6	1225.2	117.0	54.8	32.4	17.4	19.9	27.4	27.4	42.3	42.3
50°	1618.6	1235.1	94.6	49.8	24.9	12.5	24.9	24.9	29.9	37.4	37.4
52.5°	1728.2	1245.1	84.7	44.8	19.9	10.0	24.9	24.9	34.9	44.8	44.8
55°	1800.4	1215.2	77.2	39.8	17.4	7.5	27.4	27.4	27.4	34.9	34.9
57.5°	1857.7	1177.9	72.2	34.9	14.9	14.9	29.9	34.9	29.9	34.9	34.9
60°	1895.0	1110.6	62.3	32.4	12.5	14.9	37.4	44.8	34.9	52.3	52.3
62.5°	1962.3	1058.3	54.8	29.9	10.0	14.9	37.4	57.3	44.8	69.7	72.2
65°	2017.0	1011.0	47.3	22.4	10.0	19.9	42.3	72.2	54.8	87.2	89.6
67.5°	2039.5	953.7	39.8	19.9	10.0	22.4	54.8	89.6	69.7	102.1	102.1
70°	2022.0	894.0	32.4	19.9	10.0	34.9	72.2	104.6	84.7	124.5	127.0
72.5°	1870.1	762.0	24.9	19.9	7.5	37.4	89.6	124.5	102.1	169.3	174.3
75°	1431.9	483.1	24.9	19.9	10.0	42.3	104.6	144.4	122.0	189.3	196.7
77.5°	874.1	224.1	24.9	22.4	12.5	52.3	114.5	166.8	134.5	204.2	209.2
80°	388.5	139.5	24.9	24.9	24.9	64.7	134.5	184.3	151.9	216.6	224.1
82.5°	194.2	104.6	22.4	24.9	37.4	77.2	159.4	196.7	156.9	224.1	226.6
85°	166.8	94.6	22.4	27.4	39.8	89.6	171.8	199.2	164.4	221.6	224.1
87.5°	159.4	89.6	27.4	27.4	44.8	94.6	176.8	209.2	169.3	214.2	211.7
90°	166.8	87.2	29.9	32.4	57.3	97.1	179.3	204.2	169.3	201.7	201.7
92.5°	171.8	84.7	32.4	37.4	69.7	109.6	176.8	199.2	169.3	186.8	186.8
95°	176.8	84.7	37.4	42.3	69.7	119.5	169.3	181.8	156.9	166.8	164.4
97.5°	134.5	62.3	44.8	47.3	64.7	92.1	137.0	141.9	102.1	99.6	97.1
100°	47.3	27.4	44.8	52.3	39.8	39.8	82.2	99.6	59.8	37.4	42.3
102.5°	14.9	12.5	39.8	52.3	32.4	14.9	42.3	62.3	44.8	5.0	5.0
105°	14.9	14.9	22.4	42.3	22.4	5.0	14.9	34.9	27.4	5.0	5.0
107.5°	14.9	12.5	10.0	24.9	7.5	5.0	7.5	7.5	7.5	2.5	5.0
110°	17.4	12.5	5.0	7.5	5.0	5.0	5.0	5.0	5.0	10.0	10.0

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	17.4	12.5	5.0	7.5	5.0	5.0	5.0	2.5	5.0	12.5	14.9
115°	14.9	12.5	5.0	5.0	5.0	5.0	2.5	2.5	5.0	14.9	14.9
117.5°	17.4	14.9	5.0	5.0	2.5	5.0	2.5	2.5	5.0	14.9	17.4
120°	19.9	17.4	5.0	5.0	2.5	2.5	2.5	2.5	5.0	12.5	14.9
122.5°	19.9	19.9	5.0	2.5	2.5	2.5	2.5	2.5	7.5	12.5	12.5
125°	17.4	17.4	5.0	2.5	2.5	2.5	2.5	2.5	7.5	12.5	12.5
127.5°	14.9	14.9	5.0	2.5	2.5	2.5	2.5	2.5	5.0	10.0	12.5
130°	12.5	12.5	5.0	2.5	2.5	2.5	0.0	2.5	5.0	10.0	10.0
132.5°	10.0	7.5	5.0	2.5	2.5	2.5	0.0	2.5	5.0	7.5	10.0
135°	7.5	7.5	2.5	2.5	2.5	2.5	0.0	0.0	5.0	5.0	7.5
137.5°	5.0	2.5	2.5	2.5	2.5	0.0	0.0	0.0	2.5	5.0	5.0
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°	5.0	5.0	5.0	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)