

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: P690991

Luminaire Tested: **CRTK2-C01-D-U-T5R-7040-DS-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P690991
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-29)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C01-D-U-T5R-7040-DS-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 4000K LED WITH TYPE V ROUND OPTIC AND HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5898 lumens
Efficiency: N/A
Efficacy: 96.7 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.08')
IES Classification: Type IV - Short
BUG Rating: B1 - U3 - G2

Input Watts (W): 61
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

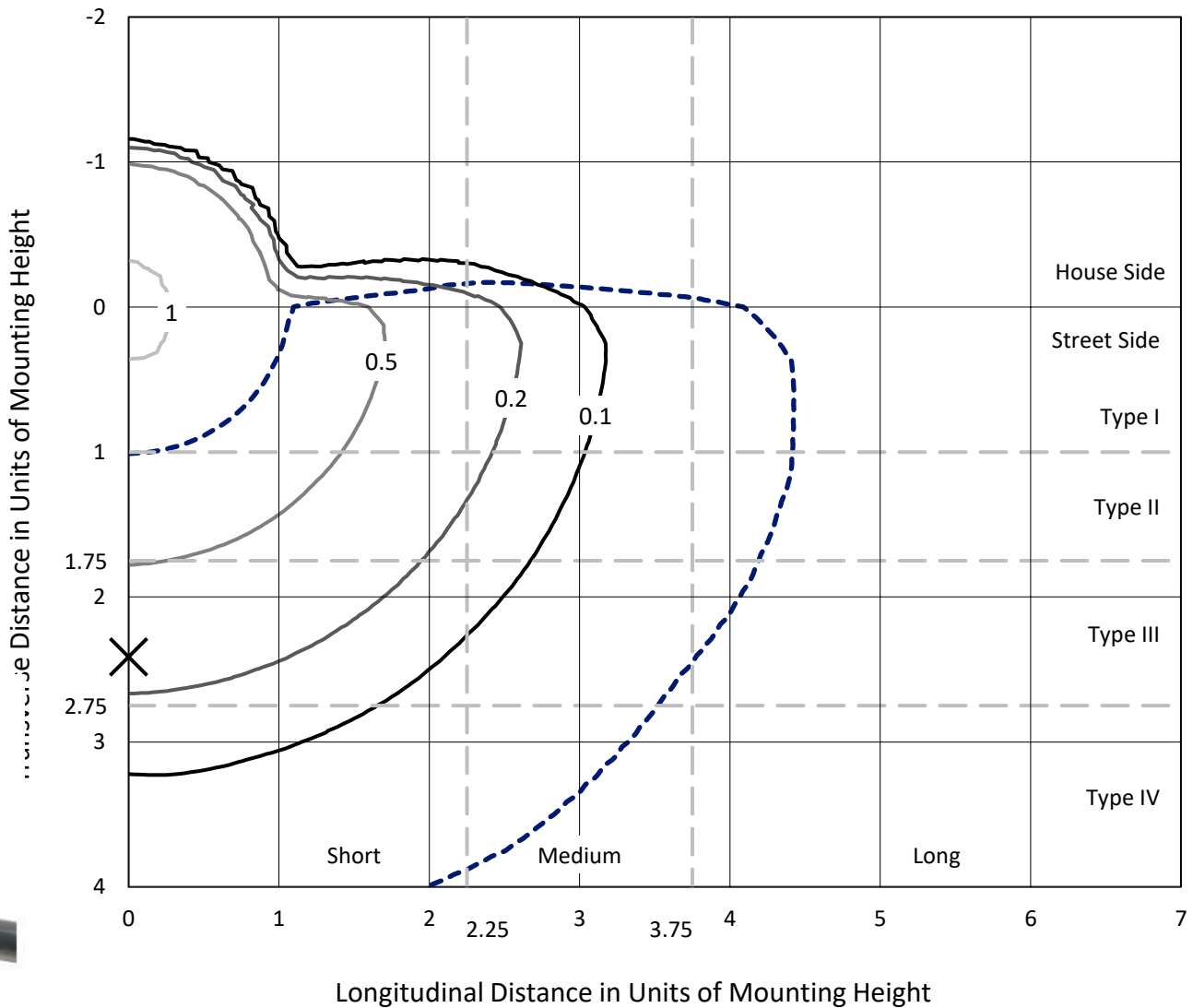


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

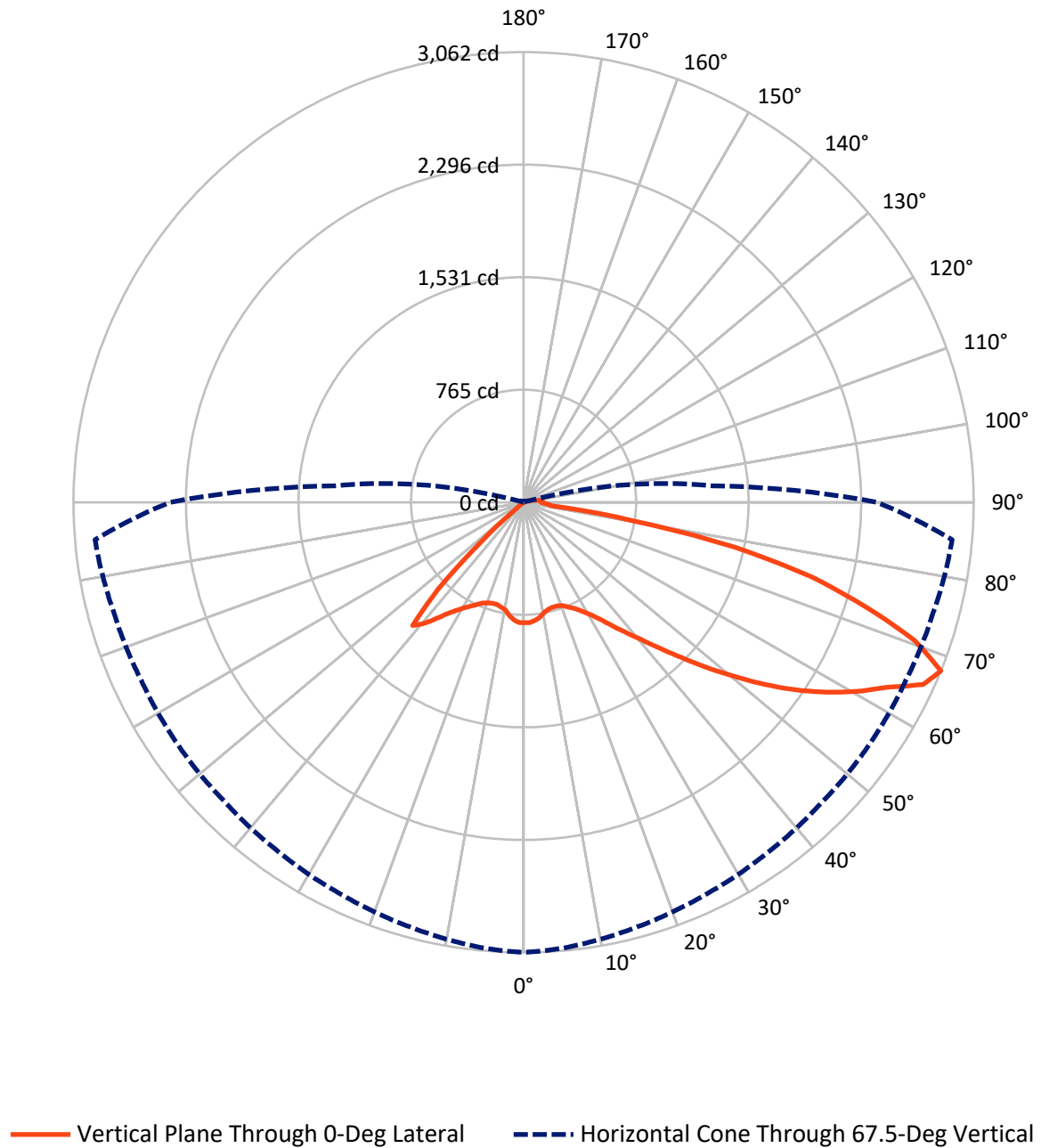


Based on 25 foot mounting height. Maximum calculated value = 1.3 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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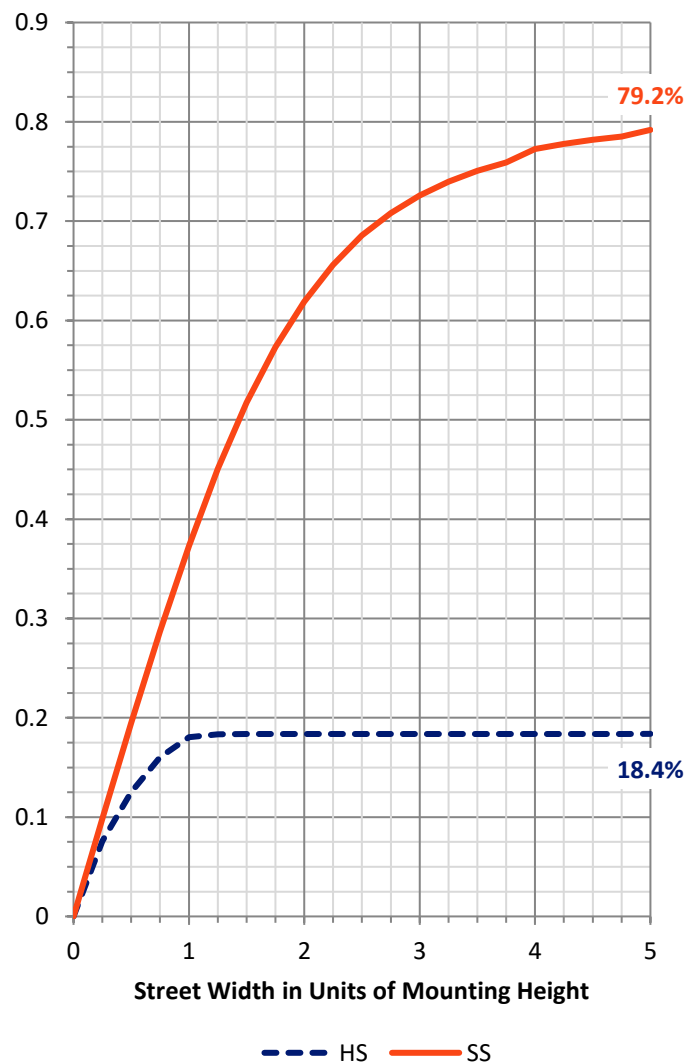
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1090.8	4.4	1095.2
	% Fixture	18.5	0.1	18.6
Street Side	Lumens	4720.8	82.0	4802.8
	% Fixture	80.0	1.4	81.4
Total	Lumens	5811.7	86.3	5898.0
	% Fixture	98.5	1.5	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	74.5	1.3
10°-20°	203.7	3.5
20°-30°	358.9	6.1
30°-40°	613.5	10.4
40°-50°	843.1	14.3
50°-60°	1042.0	17.7
60°-70°	1456.2	24.7
70°-80°	1063.7	18.0
80°-90°	156.2	2.6
90°-100°	68.9	1.2
100°-110°	15.7	0.3
110°-120°	1.0	0.0
120°-130°	0.2	0.0
130°-140°	0.1	0.0
140°-150°	0.0	0.0
150°-160°	0.2	0.0
160°-170°	0.2	0.0
170°-180°	0.1	0.0
0°-90°	5811.7	98.5
0°-180°	5898.0	100.0

Coefficient of Utilization



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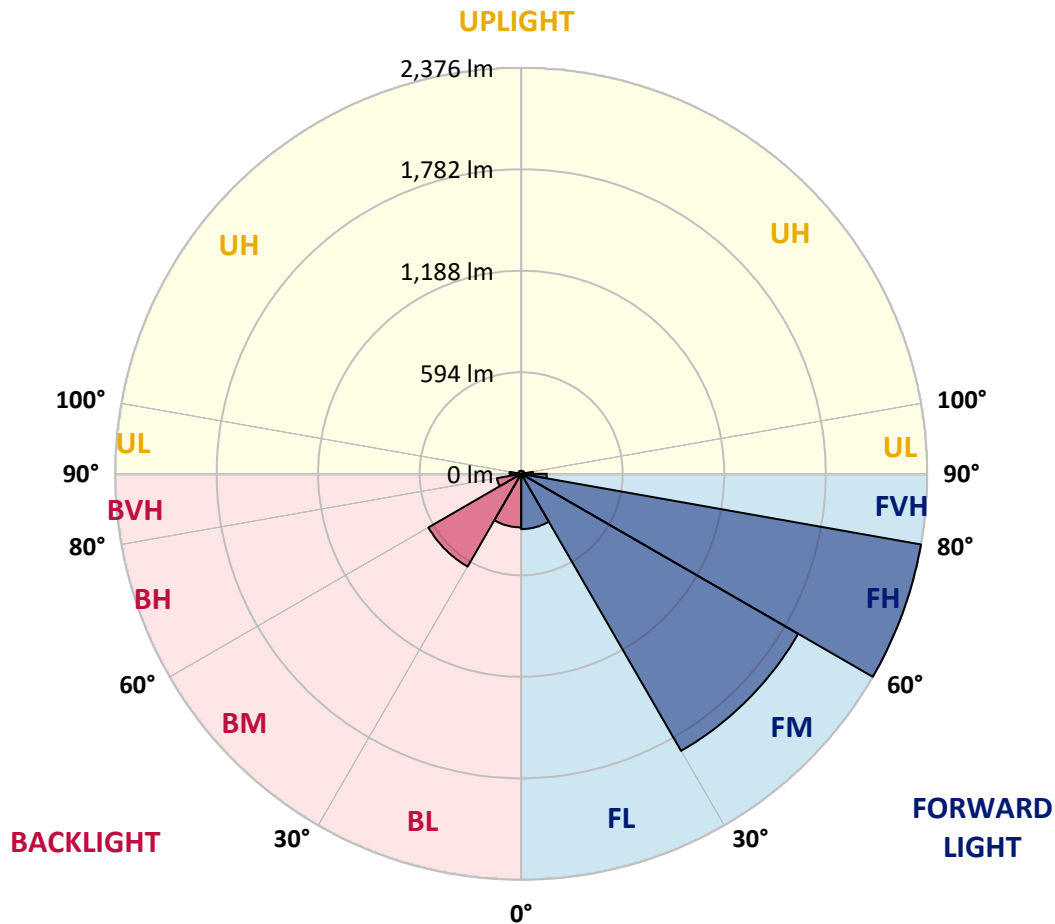
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	323.5	5.5			
FM	(30°-60°)	1871.7	31.7			
FH	(60°-80°)	2375.5	40.3			G2/5000
FVH	(80°-90°)	150.1	2.5			G2/225
BL	(0°-30°)	313.6	5.3	B1/500		
BM	(30°-60°)	626.8	10.6	B1/1000		
BH	(60°-80°)	144.3	2.4	B1/500		G1/500
BVH	(80°-90°)	6.1	0.1			G0/10
UL	(90°-100°)	68.9	1.2		U3/500	
UH	(100°-180°)	17.5	0.3		U2/50	

BUG Rating: B1-U3-G2

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	818.8	818.8	818.8	818.8	818.8	818.8	818.8	818.8	818.8	818.8	818.8
2.5°	818.8	818.8	818.8	818.8	821.7	818.8	815.9	810.2	810.2	810.2	810.2
5°	807.3	807.3	810.2	810.2	807.3	804.4	798.6	798.6	795.7	795.7	795.7
7.5°	790.0	790.0	790.0	792.9	787.1	778.4	775.6	772.7	769.8	766.9	764.0
10°	764.0	764.0	764.0	761.1	755.4	746.7	741.0	735.2	735.2	732.3	729.4
12.5°	746.7	746.7	746.7	743.9	735.2	729.4	720.8	715.0	712.1	712.1	709.3
15°	741.0	741.0	741.0	738.1	729.4	723.7	715.0	709.3	703.5	700.6	697.7
17.5°	741.0	741.0	741.0	735.2	732.3	723.7	715.0	709.3	706.4	703.5	700.6
20°	749.6	752.5	749.6	746.7	738.1	732.3	723.7	715.0	712.1	712.1	709.3
22.5°	772.7	769.8	769.8	766.9	758.3	749.6	743.9	738.1	732.3	732.3	729.4
25°	798.6	801.5	801.5	795.7	790.0	781.3	772.7	764.0	761.1	758.3	755.4
27.5°	836.1	836.1	839.0	833.2	824.6	818.8	810.2	804.4	798.6	792.9	790.0
30°	882.2	885.1	885.1	879.4	870.7	859.2	853.4	844.8	836.1	836.1	827.5
32.5°	942.8	948.6	945.7	939.9	931.3	919.7	914.0	905.3	899.5	890.9	885.1
35°	1026.4	1029.3	1026.4	1020.6	1006.2	994.7	988.9	983.2	977.4	965.9	954.3
37.5°	1118.7	1121.5	1124.4	1118.7	1101.4	1084.1	1078.3	1069.6	1066.8	1052.3	1046.6
40°	1225.3	1231.1	1228.2	1219.6	1205.2	1187.9	1185.0	1176.3	1167.7	1159.0	1144.6
42.5°	1355.1	1355.1	1352.2	1346.4	1334.9	1314.7	1308.9	1300.3	1294.5	1277.2	1254.2
45°	1505.0	1507.9	1499.2	1490.6	1487.7	1470.4	1456.0	1447.3	1430.0	1409.9	1383.9
47.5°	1680.9	1678.0	1666.5	1657.8	1654.9	1640.5	1629.0	1611.7	1588.6	1565.5	1516.5
50°	1862.5	1862.5	1842.3	1833.7	1839.4	1819.3	1804.8	1784.7	1761.6	1738.5	1666.5
52.5°	2058.6	2049.9	2029.7	2032.6	2024.0	2003.8	1986.5	1972.1	1949.0	1928.8	1813.5
55°	2254.6	2243.1	2211.4	2214.3	2199.8	2176.8	2165.2	2147.9	2142.2	2119.1	1954.8
57.5°	2436.3	2421.8	2387.2	2384.4	2372.8	2346.9	2341.1	2320.9	2306.5	2295.0	2061.4
60°	2612.1	2597.7	2566.0	2554.5	2531.4	2505.5	2508.3	2496.8	2488.2	2476.6	2179.7
62.5°	2770.7	2753.4	2724.6	2701.5	2669.8	2646.7	2649.6	2643.8	2649.6	2646.7	2280.6
65°	2986.9	2969.6	2926.4	2886.0	2839.9	2805.3	2802.4	2811.1	2871.6	2877.4	2436.3
67.5°	3061.9	3044.6	2989.8	2940.8	2903.3	2877.4	2871.6	2868.7	2886.0	2926.4	2404.5
70°	2825.5	2813.9	2762.1	2727.5	2690.0	2672.7	2655.4	2664.0	2681.3	2678.4	2205.6
72.5°	2439.1	2502.6	2436.3	2404.5	2395.9	2349.8	2361.3	2352.6	2364.2	2361.3	1960.5
75°	2018.2	2000.9	1986.5	2041.3	2000.9	1966.3	1986.5	2006.7	2026.8	2003.8	1718.4
77.5°	1467.5	1479.1	1473.3	1493.5	1530.9	1513.6	1502.1	1551.1	1559.8	1481.9	1334.9
80°	738.1	784.2	798.6	833.2	853.4	815.9	784.2	853.4	841.9	752.5	677.5
82.5°	193.2	196.1	224.9	265.2	271.0	265.2	271.0	265.2	230.7	147.0	124.0
85°	161.5	161.5	198.9	242.2	250.8	239.3	239.3	224.9	178.8	92.3	75.0
87.5°	132.6	138.4	178.8	219.1	224.9	213.4	210.5	193.2	155.7	80.7	63.4
90°	118.2	124.0	161.5	196.1	198.9	187.4	184.5	173.0	141.3	80.7	63.4
92.5°	129.7	132.6	158.6	178.8	178.8	170.1	167.2	158.6	138.4	100.9	77.8
95°	115.3	118.2	129.7	138.4	135.5	126.9	132.6	124.0	115.3	95.1	72.1
97.5°	95.1	98.0	100.9	100.9	98.0	92.3	98.0	95.1	89.4	77.8	57.7
100°	72.1	72.1	72.1	75.0	72.1	69.2	72.1	66.3	63.4	54.8	40.4
102.5°	49.0	49.0	49.0	49.0	49.0	49.0	49.0	43.2	40.4	34.6	23.1
105°	28.8	28.8	25.9	28.8	28.8	25.9	25.9	23.1	17.3	14.4	8.6
107.5°	11.5	11.5	8.6	8.6	8.6	8.6	5.8	2.9	2.9	2.9	2.9
110°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	2.9
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	2.9	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	2.9	2.9	2.9	2.9	2.9
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	2.9	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	2.9	2.9	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	2.9	2.9	2.9
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	2.9	2.9	2.9
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	2.9	2.9	2.9
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	2.9	2.9
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	2.9	2.9
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	2.9	2.9	2.9
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):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	818.8	818.8	818.8	818.8	818.8	818.8	818.8	818.8	818.8	818.8
2.5°	810.2	810.2	810.2	810.2	810.2	810.2	813.0	815.9	818.8	818.8
5°	795.7	795.7	795.7	792.9	795.7	798.6	801.5	801.5	804.4	804.4
7.5°	766.9	764.0	764.0	764.0	766.9	772.7	772.7	775.6	778.4	778.4
10°	729.4	729.4	729.4	729.4	732.3	738.1	738.1	743.9	743.9	743.9
12.5°	709.3	709.3	706.4	703.5	709.3	709.3	717.9	720.8	723.7	729.4
15°	697.7	694.8	697.7	697.7	700.6	703.5	706.4	712.1	715.0	717.9
17.5°	697.7	697.7	697.7	700.6	703.5	703.5	706.4	712.1	715.0	717.9
20°	709.3	709.3	706.4	706.4	709.3	709.3	715.0	720.8	723.7	726.6
22.5°	726.6	723.7	723.7	720.8	723.7	726.6	732.3	738.1	738.1	738.1
25°	749.6	746.7	746.7	746.7	752.5	752.5	758.3	764.0	764.0	764.0
27.5°	787.1	781.3	778.4	778.4	778.4	781.3	787.1	790.0	792.9	792.9
30°	818.8	813.0	810.2	807.3	810.2	813.0	818.8	824.6	824.6	824.6
32.5°	876.5	862.1	853.4	856.3	856.3	859.2	864.9	864.9	867.8	867.8
35°	942.8	928.4	914.0	916.8	916.8	919.7	919.7	919.7	925.5	919.7
37.5°	1026.4	1003.3	991.8	994.7	988.9	988.9	988.9	988.9	986.0	991.8
40°	1115.8	1081.2	1069.6	1072.5	1069.6	1066.8	1066.8	1069.6	1066.8	1069.6
42.5°	1101.4	957.2	991.8	1032.2	1061.0	1081.2	1104.2	1115.8	1115.8	1127.3
45°	963.0	568.0	608.3	663.1	709.3	758.3	781.3	798.6	810.2	833.2
47.5°	836.1	204.7	233.5	271.0	320.0	320.0	360.4	377.7	383.5	403.6
50°	813.0	31.7	25.9	28.8	31.7	34.6	37.5	46.1	46.1	57.7
52.5°	885.1	28.8	17.3	11.5	11.5	8.6	5.8	5.8	5.8	8.6
55°	965.9	31.7	17.3	11.5	8.6	8.6	2.9	2.9	2.9	2.9
57.5°	1035.0	28.8	14.4	11.5	8.6	5.8	0.0	0.0	0.0	0.0
60°	1110.0	31.7	17.3	11.5	8.6	5.8	0.0	0.0	0.0	0.0
62.5°	1176.3	31.7	17.3	11.5	8.6	2.9	0.0	0.0	0.0	0.0
65°	1271.5	34.6	17.3	11.5	5.8	0.0	0.0	0.0	0.0	0.0
67.5°	1288.8	34.6	17.3	8.6	2.9	0.0	0.0	0.0	0.0	0.0
70°	1150.4	28.8	11.5	5.8	2.9	0.0	0.0	0.0	0.0	0.0
72.5°	988.9	17.3	8.6	2.9	0.0	0.0	0.0	0.0	0.0	0.0
75°	795.7	14.4	5.8	2.9	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	533.4	11.5	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0
80°	239.3	8.6	2.9	2.9	0.0	0.0	2.9	2.9	0.0	0.0
82.5°	51.9	5.8	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0
85°	34.6	5.8	2.9	2.9	0.0	0.0	2.9	2.9	0.0	0.0
87.5°	31.7	2.9	2.9	2.9	0.0	0.0	0.0	2.9	0.0	0.0
90°	31.7	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	37.5	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	34.6	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	25.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	17.3	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	8.6	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	2.9	2.9	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
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	2.9	2.9	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

(END OF REPORT)