

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: P691920

Luminaire Tested: **CRTK2-C01H-D-U-T5R-7050-SR-CARETAKER-DS-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691920
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-22)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C01H-D-U-T5R-7050-SR-CARETAKER-DS-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 5000K LED WITH TYPE V ROUND OPTIC AND SR REFRACTOR WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6317 lumens
Efficiency: N/A
Efficacy: 90.0 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.29')
IES Classification: Type IV - Short
BUG Rating: B2 - U3 - G2

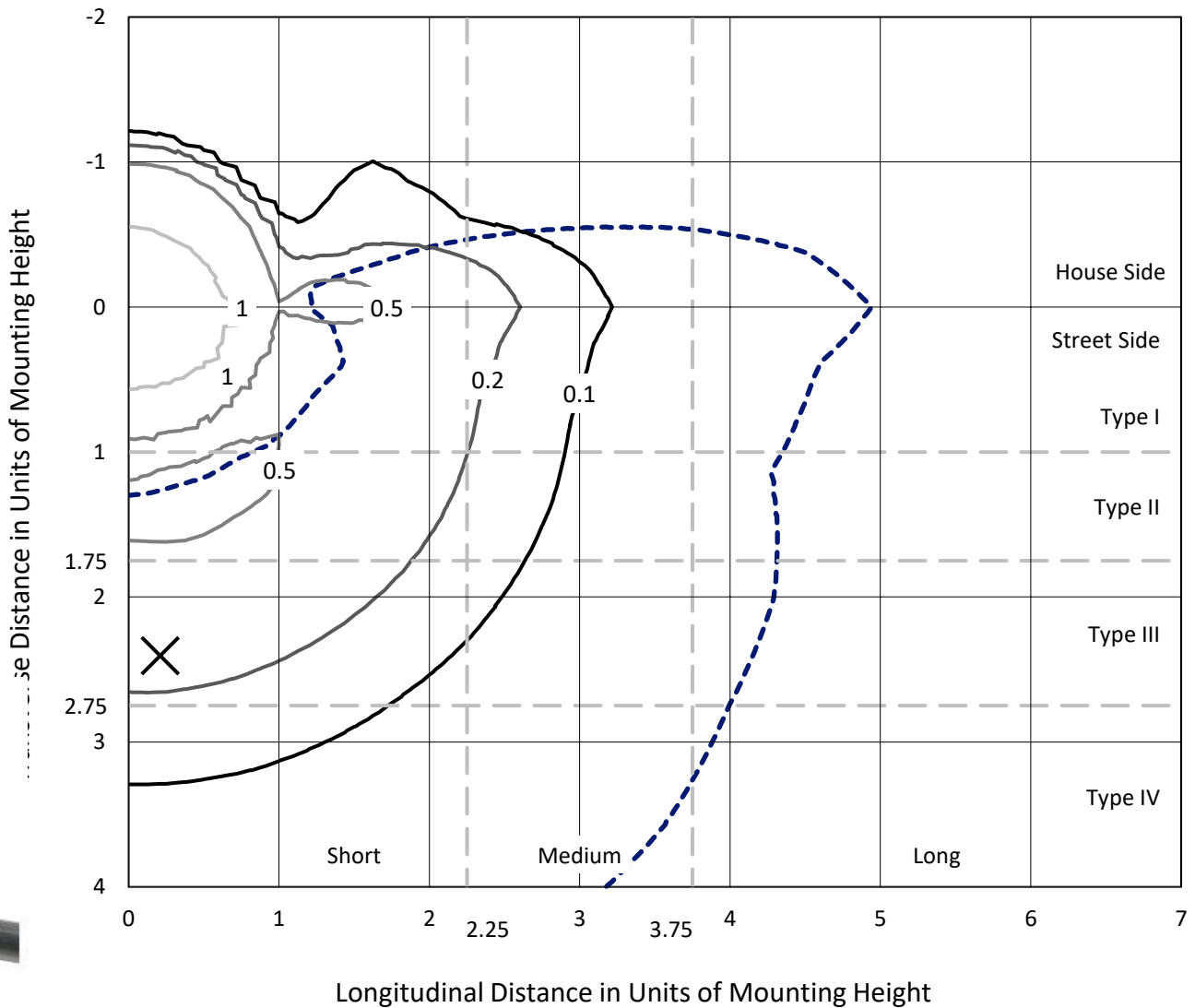
Input Watts (W): 70.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

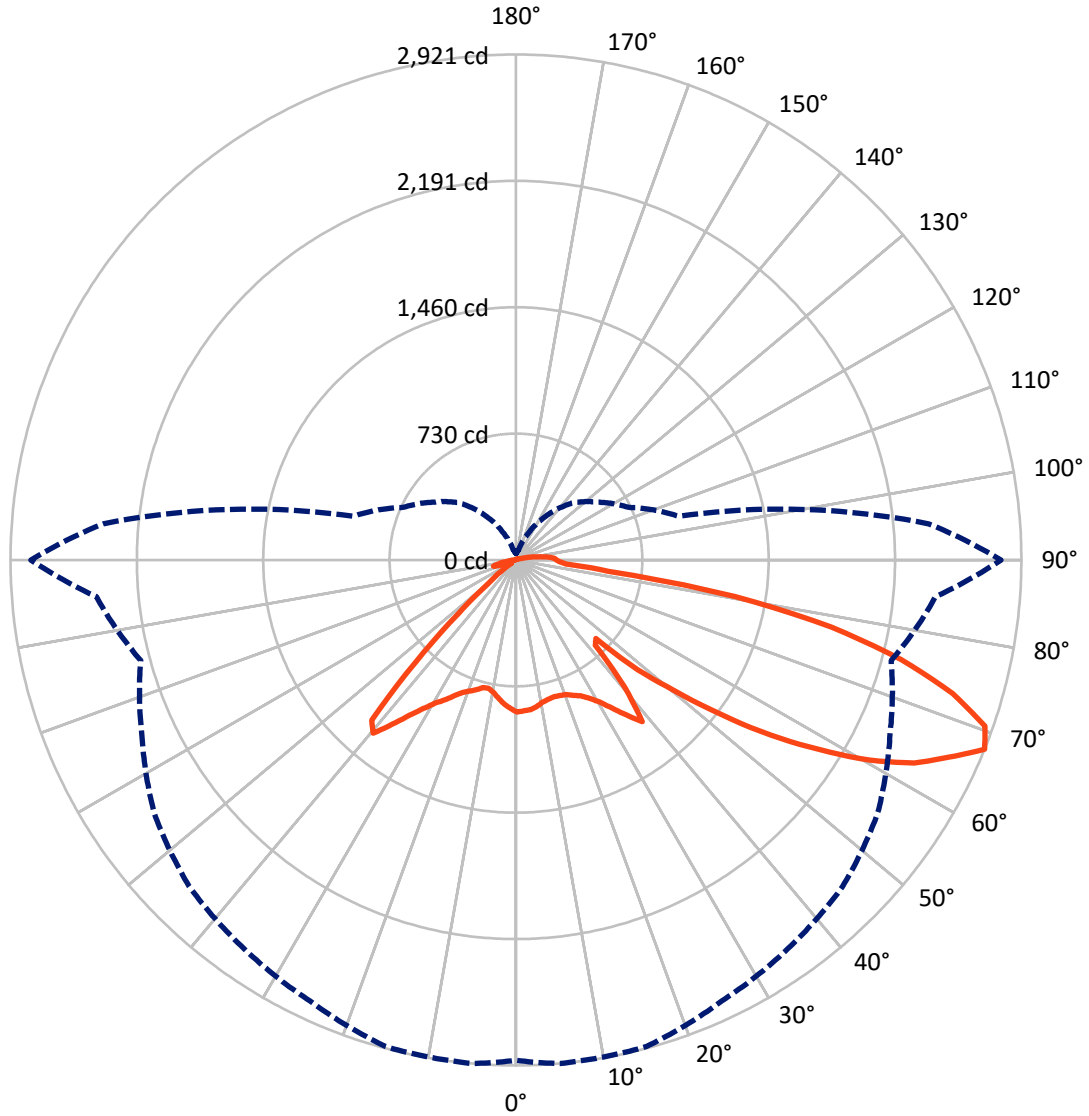
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.4 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 5-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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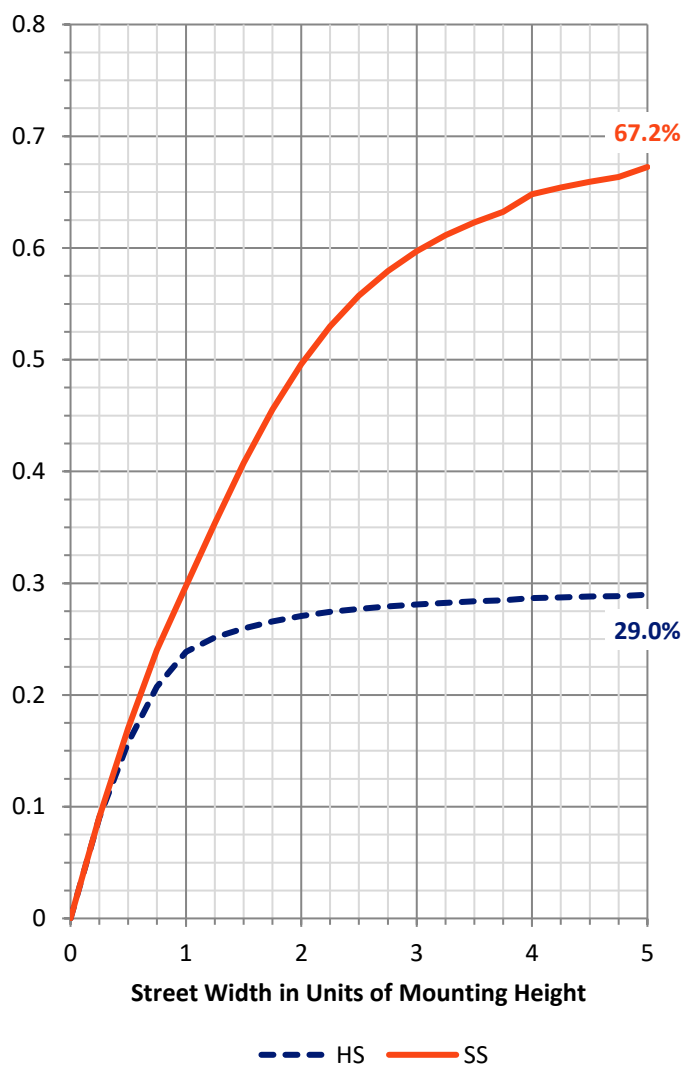
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1851.3	27.8	1879.2
	% Fixture	29.3	0.4	29.7
Street Side	Lumens	4329.1	108.8	4437.8
	% Fixture	68.5	1.7	70.3
Total	Lumens	6180.4	136.6	6317.0
	% Fixture	97.8	2.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	81.2	1.3
10°-20°	234.4	3.7
20°-30°	416.4	6.6
30°-40°	696.3	11.0
40°-50°	635.9	10.1
50°-60°	943.9	14.9
60°-70°	1548.5	24.5
70°-80°	1329.0	21.0
80°-90°	294.8	4.7
90°-100°	99.5	1.6
100°-110°	24.5	0.4
110°-120°	7.8	0.1
120°-130°	4.4	0.1
130°-140°	0.4	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	6180.4	97.8
0°-180°	6317.0	100.0

Coefficient of Utilization



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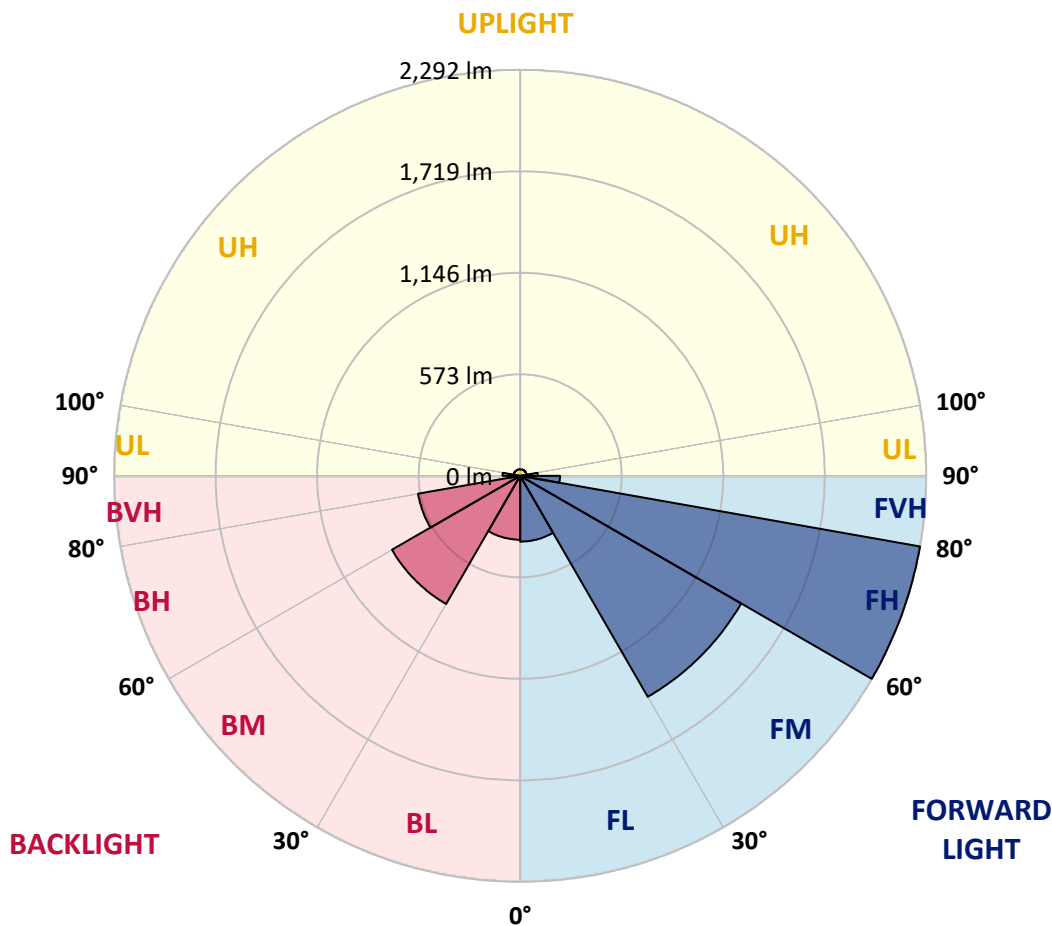
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	371.3	5.9			
FM (30°-60°)	1440.7	22.8			
FH (60°-80°)	2292.3	36.3			G2/5000
FVH (80°-90°)	224.8	3.6			G2/225
BL (0°-30°)	360.7	5.7	B1/500		
BM (30°-60°)	835.5	13.2	B1/1000		
BH (60°-80°)	585.2	9.3	B2/1000		G2/1000
BVH (80°-90°)	70.0	1.1			G1/100
UL (90°-100°)	99.5	1.6		U3/500	
UH (100°-180°)	37.1	0.6		U2/50	

BUG Rating: B2-U3-G2

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	878.9	878.9	878.9	878.9	878.9	878.9	878.9	878.9	878.9	878.9	878.9
2.5°	872.4	872.4	872.4	875.6	878.9	875.6	872.4	869.1	865.8	869.1	869.1
5°	869.1	869.1	872.4	872.4	875.6	878.9	875.6	872.4	869.1	869.1	869.1
7.5°	852.8	856.0	856.0	859.3	862.6	869.1	869.1	862.6	862.6	862.6	862.6
10°	836.4	836.4	839.7	842.9	846.2	852.8	852.8	846.2	849.5	852.8	852.8
12.5°	826.6	826.6	829.9	836.4	839.7	842.9	846.2	846.2	849.5	846.2	849.5
15°	820.1	820.1	820.1	829.9	839.7	842.9	849.5	852.8	856.0	856.0	856.0
17.5°	823.3	823.3	823.3	836.4	842.9	852.8	859.3	862.6	862.6	865.8	865.8
20°	829.9	829.9	833.1	842.9	856.0	865.8	872.4	875.6	875.6	882.2	882.2
22.5°	842.9	849.5	846.2	856.0	865.8	878.9	888.7	895.2	895.2	901.8	901.8
25°	872.4	869.1	872.4	882.2	892.0	901.8	908.3	918.1	921.4	927.9	927.9
27.5°	905.0	905.0	905.0	914.8	921.4	931.2	937.7	944.2	950.8	960.6	963.8
30°	954.0	950.8	947.5	957.3	963.8	973.6	980.2	983.4	983.4	990.0	996.5
32.5°	1019.4	1019.4	1019.4	1025.9	1029.2	1039.0	1042.3	1045.5	1042.3	1052.1	1055.3
35°	1101.1	1101.1	1104.3	1110.9	1120.7	1127.2	1130.5	1127.2	1130.5	1137.0	1143.5
37.5°	1182.7	1186.0	1195.8	1205.6	1212.1	1225.2	1235.0	1235.0	1238.3	1257.9	1257.9
40°	957.3	967.1	976.9	999.8	1029.2	1068.4	1133.7	1159.9	1235.0	1274.2	1284.0
42.5°	650.2	673.1	699.2	728.6	751.5	754.7	816.8	852.8	927.9	999.8	1019.4
45°	620.8	646.9	673.1	653.4	669.8	617.5	679.6	686.1	722.1	777.6	924.6
47.5°	911.6	947.5	983.4	934.4	944.2	829.9	852.8	826.6	744.9	836.4	1081.5
50°	1189.3	1186.0	1238.3	1215.4	1241.6	1117.4	1127.2	1074.9	947.5	1074.9	1424.5
52.5°	1457.2	1483.3	1538.9	1532.3	1551.9	1391.8	1362.4	1316.7	1117.4	1313.4	1725.1
55°	1767.6	1787.2	1839.5	1823.1	1813.3	1653.2	1600.9	1555.2	1362.4	1617.3	2045.3
57.5°	2058.4	2068.2	2130.2	2074.7	2042.0	1921.1	1849.3	1774.1	1584.6	1895.0	2267.5
60°	2336.1	2349.1	2385.1	2309.9	2257.7	2162.9	2074.7	1993.0	1816.6	2143.3	2473.3
62.5°	2597.5	2584.4	2600.7	2506.0	2470.0	2385.1	2290.3	2189.1	2035.5	2339.3	2672.6
65°	2747.8	2747.8	2767.4	2646.5	2590.9	2538.6	2434.1	2316.5	2176.0	2434.1	2796.8
67.5°	2891.5	2920.9	2911.1	2813.1	2741.2	2669.3	2551.7	2385.1	2244.6	2434.1	2803.3
70°	2839.2	2875.2	2836.0	2757.6	2685.7	2600.7	2492.9	2329.5	2172.7	2316.5	2653.0
72.5°	2613.8	2639.9	2623.6	2555.0	2466.8	2411.2	2296.9	2172.7	1989.8	2113.9	2408.0
75°	2306.7	2300.1	2329.5	2251.1	2176.0	2123.7	2012.6	1934.2	1764.3	1855.8	2136.8
77.5°	1859.1	1862.3	1924.4	1836.2	1777.4	1741.4	1640.2	1574.8	1421.3	1502.9	1718.6
80°	1248.1	1284.0	1342.8	1248.1	1238.3	1189.3	1104.3	1061.9	944.2	983.4	1097.8
82.5°	519.5	535.8	555.4	526.0	516.2	499.9	463.9	450.9	405.1	424.7	424.7
85°	290.8	287.5	297.3	297.3	290.8	277.7	264.6	241.8	222.2	218.9	202.6
87.5°	245.0	248.3	254.8	254.8	241.8	232.0	215.6	199.3	183.0	173.2	156.8
90°	228.7	232.0	235.2	225.4	212.4	202.6	189.5	176.4	163.4	156.8	140.5
92.5°	218.9	218.9	218.9	205.8	192.8	183.0	173.2	160.1	150.3	143.8	130.7
95°	183.0	179.7	176.4	169.9	156.8	147.0	140.5	127.4	120.9	114.4	107.8
97.5°	137.2	134.0	130.7	127.4	114.4	107.8	104.6	98.0	91.5	81.7	78.4
100°	98.0	94.8	94.8	91.5	84.9	78.4	75.1	68.6	62.1	55.5	52.3
102.5°	65.3	62.1	62.1	58.8	55.5	52.3	45.7	42.5	35.9	32.7	29.4
105°	35.9	35.9	35.9	32.7	32.7	29.4	26.1	22.9	19.6	19.6	16.3
107.5°	26.1	26.1	26.1	26.1	22.9	22.9	19.6	16.3	16.3	13.1	13.1
110°	19.6	19.6	19.6	19.6	19.6	16.3	16.3	13.1	13.1	9.8	9.8



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	16.3	16.3	16.3	16.3	16.3	16.3	13.1	13.1	9.8	9.8	9.8
115°	16.3	16.3	16.3	16.3	13.1	13.1	9.8	9.8	9.8	9.8	6.5
117.5°	13.1	13.1	13.1	13.1	13.1	9.8	9.8	9.8	9.8	6.5	9.8
120°	13.1	13.1	13.1	13.1	9.8	9.8	9.8	6.5	6.5	6.5	6.5
122.5°	9.8	9.8	9.8	9.8	9.8	9.8	9.8	6.5	6.5	6.5	6.5
125°	9.8	9.8	9.8	9.8	9.8	6.5	6.5	6.5	6.5	6.5	6.5
127.5°	9.8	9.8	6.5	9.8	6.5	6.5	6.5	6.5	6.5	3.3	6.5
130°	9.8	9.8	6.5	6.5	6.5	6.5	6.5	6.5	3.3	3.3	3.3
132.5°	0.0	0.0	0.0	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	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	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	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



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CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	878.9	878.9	878.9	878.9	878.9	878.9	878.9	878.9	878.9	878.9
2.5°	872.4	872.4	875.6	872.4	872.4	865.8	862.6	859.3	859.3	859.3
5°	869.1	869.1	865.8	859.3	856.0	849.5	842.9	839.7	836.4	839.7
7.5°	862.6	856.0	849.5	836.4	826.6	823.3	810.3	807.0	807.0	807.0
10°	849.5	842.9	826.6	810.3	803.7	793.9	784.1	774.3	777.6	780.9
12.5°	846.2	829.9	816.8	800.5	790.7	774.3	771.1	761.3	758.0	758.0
15°	849.5	836.4	820.1	807.0	793.9	787.4	774.3	771.1	761.3	767.8
17.5°	862.6	842.9	829.9	816.8	803.7	797.2	787.4	780.9	784.1	784.1
20°	875.6	856.0	842.9	833.1	820.1	810.3	807.0	800.5	803.7	797.2
22.5°	895.2	875.6	865.8	852.8	842.9	836.4	829.9	833.1	826.6	829.9
25°	921.4	905.0	892.0	882.2	872.4	865.8	865.8	865.8	862.6	865.8
27.5°	957.3	941.0	931.2	924.6	914.8	908.3	901.8	905.0	908.3	905.0
30°	990.0	970.4	967.1	960.6	954.0	950.8	950.8	950.8	950.8	957.3
32.5°	1042.3	1022.6	1016.1	1016.1	1009.6	1006.3	1003.0	1009.6	1012.8	1009.6
35°	1123.9	1097.8	1091.3	1088.0	1084.7	1084.7	1088.0	1088.0	1088.0	1088.0
37.5°	1225.2	1189.3	1182.7	1179.5	1179.5	1179.5	1176.2	1179.5	1189.3	1192.5
40°	1271.0	1248.1	1257.9	1274.2	1284.0	1284.0	1280.8	1287.3	1297.1	1297.1
42.5°	1029.2	980.2	1016.1	1081.5	1123.9	1176.2	1186.0	1218.7	1244.8	1244.8
45°	836.4	633.8	646.9	689.4	709.0	754.7	780.9	810.3	826.6	803.7
47.5°	941.0	408.4	336.5	349.6	300.6	362.7	405.1	450.9	460.7	470.5
50°	1476.8	421.5	284.3	205.8	137.2	183.0	192.8	218.9	212.4	215.6
52.5°	1793.7	483.6	284.3	183.0	114.4	120.9	111.1	124.2	130.7	143.8
55°	2012.6	581.6	369.2	232.0	134.0	81.7	55.5	42.5	39.2	39.2
57.5°	2117.2	712.3	480.3	330.0	209.1	114.4	49.0	35.9	32.7	29.4
60°	2215.2	852.8	607.7	450.9	330.0	202.6	91.5	35.9	29.4	29.4
62.5°	2303.4	993.2	735.1	584.8	463.9	316.9	169.9	62.1	32.7	32.7
65°	2375.3	1022.6	744.9	633.8	499.9	372.5	222.2	75.1	35.9	35.9
67.5°	2394.9	973.6	718.8	581.6	467.2	316.9	173.2	62.1	42.5	39.2
70°	2264.2	924.6	722.1	552.2	421.5	281.0	114.4	71.9	55.5	52.3
72.5°	2048.6	856.0	686.1	535.8	405.1	284.3	134.0	117.6	104.6	98.0
75°	1803.5	774.3	633.8	513.0	392.1	274.4	156.8	147.0	134.0	130.7
77.5°	1447.4	643.6	532.6	434.5	330.0	218.9	130.7	124.2	107.8	107.8
80°	950.8	480.3	401.9	333.3	251.6	153.6	98.0	88.2	78.4	75.1
82.5°	388.8	281.0	241.8	209.1	163.4	98.0	65.3	55.5	45.7	42.5
85°	189.5	140.5	120.9	98.0	81.7	55.5	42.5	35.9	26.1	26.1
87.5°	153.6	111.1	91.5	75.1	55.5	39.2	29.4	22.9	16.3	13.1
90°	140.5	98.0	78.4	62.1	45.7	32.7	19.6	16.3	9.8	6.5
92.5°	127.4	84.9	68.6	49.0	35.9	26.1	13.1	9.8	6.5	6.5
95°	104.6	65.3	52.3	39.2	29.4	19.6	13.1	6.5	3.3	3.3
97.5°	75.1	49.0	39.2	29.4	22.9	13.1	9.8	6.5	3.3	3.3
100°	52.3	32.7	29.4	22.9	16.3	9.8	6.5	3.3	3.3	3.3
102.5°	26.1	19.6	19.6	16.3	13.1	9.8	3.3	3.3	0.0	0.0
105°	16.3	13.1	13.1	9.8	6.5	6.5	3.3	3.3	0.0	0.0
107.5°	9.8	9.8	9.8	6.5	6.5	3.3	3.3	0.0	0.0	0.0
110°	9.8	6.5	6.5	6.5	3.3	3.3	3.3	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°	6.5	6.5	6.5	3.3	3.3	3.3	3.3	0.0	0.0	0.0
115°	6.5	6.5	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0
117.5°	6.5	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0
120°	6.5	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0
122.5°	6.5	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0
125°	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0
127.5°	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0	0.0
130°	3.3	3.3	3.3	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
135°	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
140°	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
145°	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
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°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	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
165°	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
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	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
177.5°	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

(END OF REPORT)