

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: P691082

Luminaire Tested: **CRTK2-C013-5TLD-U-T5R-7030**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691082
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-17)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C013-5TLD-U-T5R-7030
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K LED WITH TYPE V ROUND OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3683 lumens
Efficiency: N/A
Efficacy: 158.7 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.08')
IES Classification: Type V - Short
BUG Rating: B2 - U2 - G1

Input Watts (W): 23.2
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



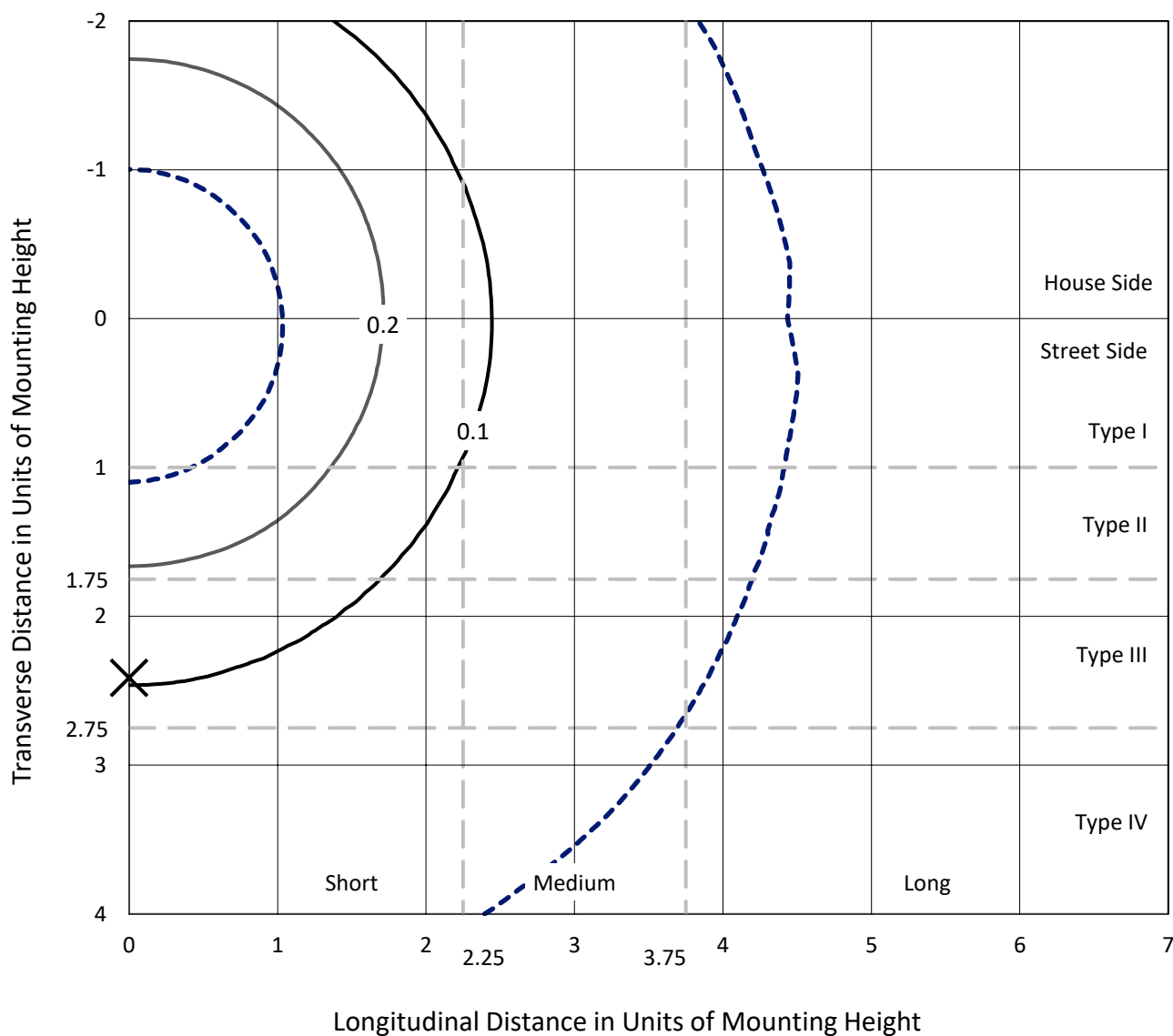
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

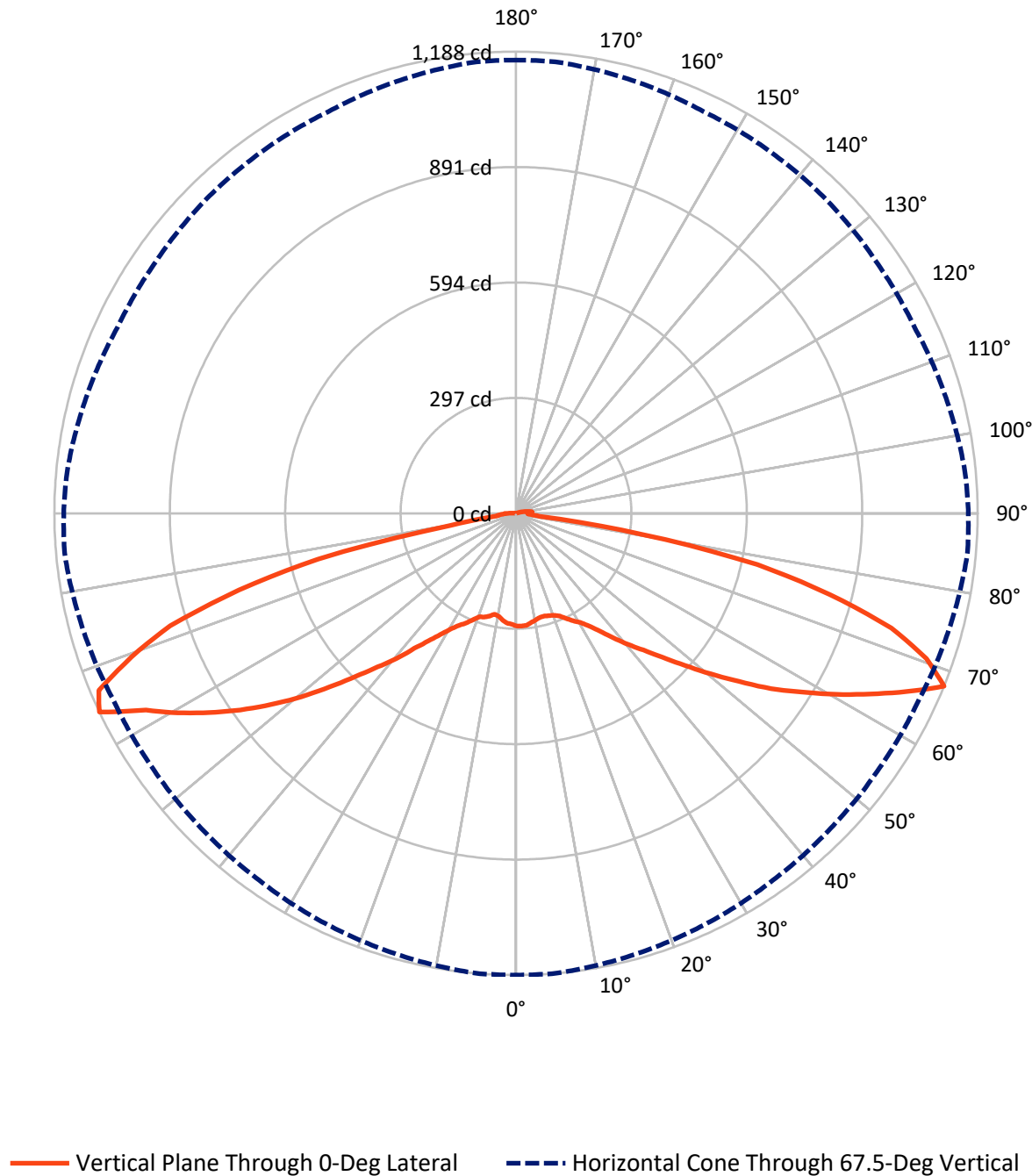
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.5 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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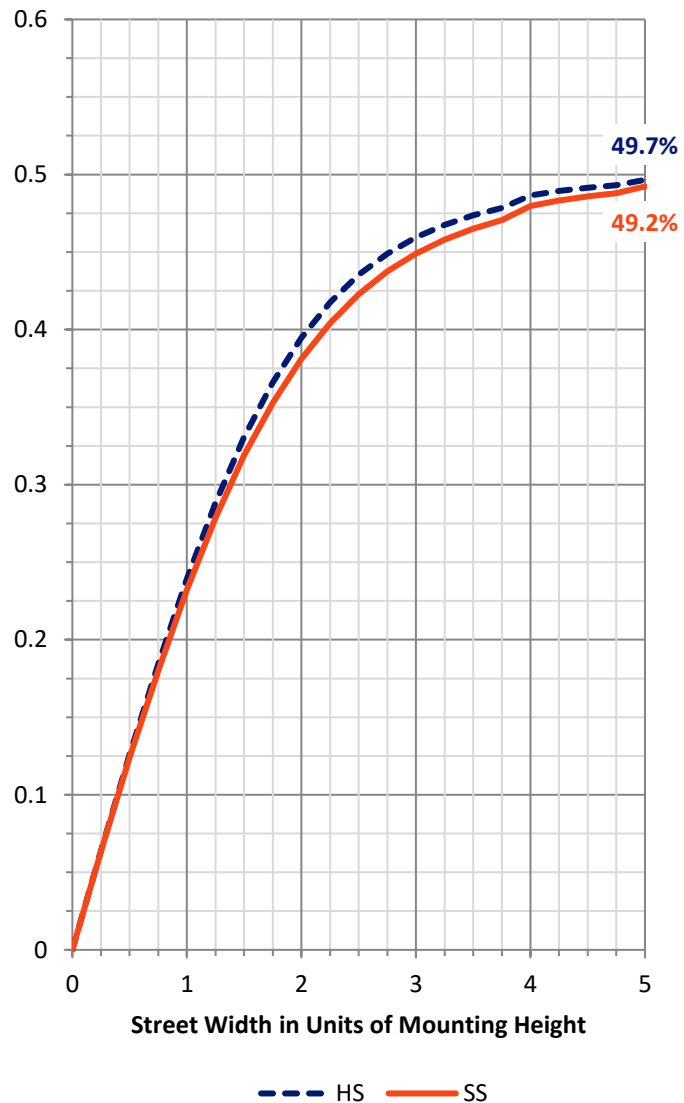
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1823.5	17.3	1840.8
	% Fixture	49.5	0.5	50.0
Street Side	Lumens	1817.8	24.4	1842.2
	% Fixture	49.4	0.7	50.0
Total	Lumens	3641.3	41.7	3683.0
	% Fixture	98.9	1.1	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	27.2	0.7
10°-20°	80.1	2.2
20°-30°	144.9	3.9
30°-40°	249.8	6.8
40°-50°	443.2	12.0
50°-60°	754.5	20.5
60°-70°	1081.0	29.4
70°-80°	786.0	21.3
80°-90°	74.6	2.0
90°-100°	33.7	0.9
100°-110°	8.0	0.2
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	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°	3641.3	98.9
0°-180°	3683.0	100.0

Coefficient of Utilization



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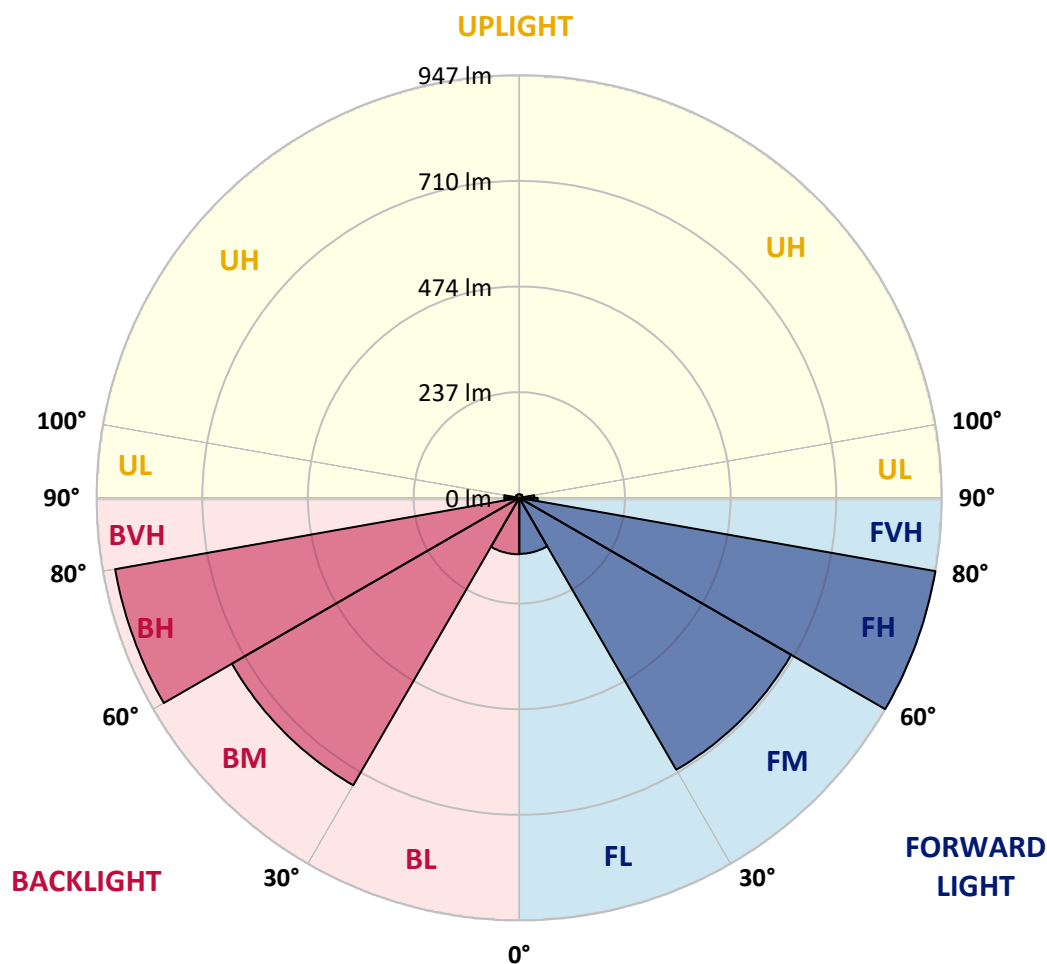
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	125.5	3.4			
FM	(30°-60°)	703.6	19.1			
FH	(60°-80°)	947.2	25.7			G1/1800
FVH	(80°-90°)	41.5	1.1			G1/100
BL	(0°-30°)	126.7	3.4	B1/500		
BM	(30°-60°)	743.9	20.2	B1/1000		
BH	(60°-80°)	919.8	25.0	B2/1000		G1/1800
BVH	(80°-90°)	33.2	0.9			G1/100
UL	(90°-100°)	33.7	0.9		U2/50	
UH	(100°-180°)	8.0	0.2		U1/10	

BUG Rating: B2-U2-G1

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	290.3	290.3	290.3	290.3	290.3	290.3	290.3	290.3	290.3	290.3	290.3
2.5°	290.3	290.3	290.3	290.3	290.3	290.3	289.2	286.9	286.9	286.9	286.9
5°	289.2	289.2	289.2	289.2	290.3	290.3	290.3	288.0	288.0	288.0	288.0
7.5°	283.4	283.4	284.6	284.6	285.7	286.9	285.7	285.7	285.7	286.9	286.9
10°	278.9	278.9	280.0	280.0	281.2	281.2	283.4	283.4	284.6	285.7	285.7
12.5°	274.3	274.3	275.4	277.7	278.9	280.0	281.2	282.3	284.6	285.7	285.7
15°	274.3	274.3	274.3	276.6	280.0	282.3	283.4	285.7	288.0	289.2	290.3
17.5°	276.6	276.6	276.6	278.9	281.2	284.6	288.0	289.2	291.5	293.8	293.8
20°	280.0	280.0	281.2	283.4	286.9	289.2	291.5	294.9	297.2	299.5	300.7
22.5°	286.9	288.0	288.0	289.2	292.6	296.1	298.4	300.7	304.1	306.4	308.7
25°	299.5	298.4	298.4	300.7	303.0	306.4	307.5	309.8	313.3	316.7	317.9
27.5°	313.3	312.1	312.1	314.4	316.7	319.0	320.2	323.6	327.1	330.5	331.6
30°	325.9	325.9	327.1	329.4	331.6	335.1	336.2	339.7	342.0	346.6	346.6
32.5°	345.4	346.6	347.7	348.9	351.2	354.6	358.0	359.2	361.5	364.9	367.2
35°	371.8	374.1	374.1	375.3	381.0	384.4	382.1	385.6	389.0	393.6	395.9
37.5°	406.2	405.1	408.5	413.1	414.3	417.7	416.6	418.9	423.5	429.2	432.6
40°	443.0	444.1	444.1	445.3	448.7	449.8	454.4	457.9	462.5	470.5	472.8
42.5°	480.8	483.1	485.4	486.6	492.3	493.5	496.9	501.5	507.2	513.0	515.3
45°	527.9	526.7	532.5	534.8	540.5	547.4	547.4	549.7	558.9	564.6	568.0
47.5°	584.1	586.4	589.8	593.3	602.5	603.6	609.4	612.8	618.5	624.3	625.4
50°	649.5	649.5	653.0	659.8	665.6	671.3	674.8	679.4	683.9	693.1	697.7
52.5°	718.4	719.5	724.1	731.0	740.2	741.3	744.8	752.8	756.2	758.5	766.6
55°	796.4	793.0	796.4	806.7	817.1	815.9	817.1	826.2	832.0	836.6	838.9
57.5°	867.6	867.6	871.0	879.0	881.3	884.8	885.9	894.0	900.8	906.6	907.7
60°	945.6	944.4	946.7	953.6	961.7	961.7	960.5	968.5	975.4	976.6	984.6
62.5°	1023.6	1020.2	1022.5	1027.1	1031.7	1027.1	1031.7	1038.5	1044.3	1048.9	1051.2
65°	1105.1	1100.5	1101.7	1097.1	1090.2	1084.4	1094.8	1114.3	1131.5	1140.7	1141.8
67.5°	1187.7	1187.7	1175.1	1163.6	1152.2	1145.3	1141.8	1141.8	1153.3	1165.9	1163.6
70°	1120.0	1122.3	1112.0	1104.0	1085.6	1079.9	1076.4	1064.9	1070.7	1074.1	1066.1
72.5°	1009.9	997.2	992.6	989.2	975.4	965.1	953.6	945.6	942.1	944.4	935.3
75°	834.3	859.5	845.8	838.9	829.7	825.1	795.3	786.1	784.9	794.1	794.1
77.5°	634.6	648.4	639.2	642.6	628.9	626.6	615.1	604.8	596.7	594.4	571.5
80°	329.4	339.7	342.0	353.4	351.2	344.3	336.2	306.4	298.4	303.0	281.2
82.5°	59.7	62.0	63.1	64.3	59.7	62.0	63.1	57.4	60.8	59.7	57.4
85°	34.4	34.4	35.6	35.6	33.3	31.0	33.3	32.1	32.1	34.4	34.4
87.5°	29.8	31.0	32.1	32.1	28.7	26.4	28.7	28.7	29.8	31.0	31.0
90°	31.0	31.0	33.3	33.3	29.8	27.5	31.0	32.1	32.1	32.1	33.3
92.5°	41.3	40.2	41.3	41.3	37.9	35.6	40.2	40.2	40.2	40.2	41.3
95°	40.2	39.0	40.2	39.0	36.7	34.4	37.9	39.0	39.0	39.0	40.2
97.5°	34.4	34.4	34.4	34.4	31.0	29.8	34.4	34.4	33.3	33.3	34.4
100°	26.4	25.2	25.2	25.2	24.1	24.1	26.4	25.2	24.1	25.2	26.4
102.5°	17.2	17.2	17.2	17.2	17.2	17.2	17.2	16.1	16.1	16.1	18.4
105°	10.3	10.3	9.2	9.2	9.2	9.2	9.2	8.0	8.0	8.0	10.3
107.5°	3.4	3.4	2.3	2.3	2.3	2.3	2.3	1.1	1.1	1.1	3.4
110°	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):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	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	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	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°	290.3	290.3	290.3	290.3	290.3	290.3	290.3	290.3	290.3	290.3
2.5°	288.0	288.0	289.2	288.0	288.0	286.9	285.7	284.6	285.7	285.7
5°	288.0	289.2	288.0	286.9	285.7	284.6	284.6	282.3	282.3	283.4
7.5°	286.9	289.2	286.9	285.7	282.3	281.2	280.0	277.7	277.7	277.7
10°	285.7	285.7	284.6	280.0	277.7	274.3	273.1	270.8	269.7	268.5
12.5°	285.7	285.7	282.3	278.9	275.4	270.8	269.7	267.4	266.2	265.1
15°	289.2	290.3	288.0	283.4	277.7	276.6	273.1	272.0	270.8	273.1
17.5°	294.9	293.8	291.5	286.9	283.4	282.3	277.7	277.7	276.6	278.9
20°	300.7	298.4	296.1	293.8	289.2	286.9	286.9	283.4	284.6	282.3
22.5°	307.5	308.7	305.3	301.8	298.4	297.2	296.1	296.1	294.9	294.9
25°	319.0	319.0	316.7	313.3	311.0	308.7	307.5	308.7	306.4	309.8
27.5°	332.8	331.6	331.6	329.4	325.9	324.8	323.6	324.8	323.6	323.6
30°	346.6	348.9	346.6	345.4	343.1	343.1	342.0	342.0	343.1	342.0
32.5°	368.4	369.5	369.5	368.4	366.1	364.9	364.9	366.1	368.4	367.2
35°	397.1	398.2	400.5	402.8	402.8	400.5	398.2	397.1	398.2	398.2
37.5°	434.9	436.1	438.4	438.4	437.2	436.1	437.2	439.5	434.9	434.9
40°	473.9	472.8	475.1	477.4	478.5	477.4	476.2	478.5	480.8	484.3
42.5°	517.6	519.8	521.0	525.6	527.9	527.9	526.7	530.2	531.3	531.3
45°	569.2	574.9	572.6	580.7	587.6	588.7	585.3	587.6	585.3	587.6
47.5°	628.9	633.5	638.0	644.9	648.4	650.7	649.5	651.8	654.1	654.1
50°	696.6	700.0	708.0	717.2	723.0	723.0	718.4	723.0	727.6	726.4
52.5°	767.7	774.6	782.6	790.7	795.3	796.4	796.4	799.9	798.7	798.7
55°	842.3	848.0	858.4	863.0	868.7	871.0	871.0	872.1	871.0	871.0
57.5°	913.5	920.3	928.4	937.6	943.3	945.6	943.3	943.3	943.3	941.0
60°	986.9	991.5	999.5	1006.4	1009.9	1014.4	1014.4	1013.3	1012.2	1011.0
62.5°	1054.6	1056.9	1059.2	1060.3	1063.8	1073.0	1073.0	1078.7	1078.7	1077.6
65°	1143.0	1132.6	1123.5	1125.8	1133.8	1141.8	1148.7	1171.7	1183.1	1187.7
67.5°	1160.2	1145.3	1131.5	1130.3	1134.9	1137.2	1140.7	1153.3	1165.9	1165.9
70°	1059.2	1050.0	1037.4	1043.1	1046.6	1043.1	1047.7	1055.8	1067.2	1056.9
72.5°	928.4	913.5	922.6	928.4	922.6	918.1	920.3	919.2	927.2	935.3
75°	783.8	752.8	752.8	752.8	755.1	744.8	744.8	745.9	760.8	740.2
77.5°	580.7	558.9	553.1	530.2	527.9	514.1	523.3	517.6	531.3	523.3
80°	270.8	261.6	258.2	235.3	230.7	193.9	207.7	184.8	191.6	172.1
82.5°	56.2	55.1	53.9	48.2	43.6	37.9	44.8	50.5	51.6	50.5
85°	35.6	36.7	36.7	34.4	32.1	28.7	34.4	42.5	44.8	44.8
87.5°	31.0	32.1	32.1	31.0	28.7	25.2	28.7	32.1	33.3	32.1
90°	33.3	34.4	33.3	32.1	29.8	26.4	29.8	31.0	25.2	26.4
92.5°	40.2	40.2	39.0	39.0	37.9	33.3	36.7	29.8	11.5	3.4
95°	39.0	37.9	37.9	36.7	35.6	29.8	29.8	8.0	0.0	0.0
97.5°	33.3	31.0	31.0	29.8	29.8	25.2	18.4	0.0	0.0	0.0
100°	25.2	21.8	21.8	20.7	20.7	17.2	6.9	0.0	0.0	0.0
102.5°	17.2	13.8	12.6	11.5	11.5	10.3	1.1	0.0	0.0	0.0
105°	9.2	5.7	4.6	3.4	3.4	2.3	0.0	0.0	0.0	0.0
107.5°	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	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°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	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
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	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°	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
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)