

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: P691096

Luminaire Tested: **CRTK2-C013-5TLD-U-T5R-7050**

Issue Date: 6/13/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P691096  
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-7050  
Description: CARETAKER AREA AND ROADWAY LUMINAIRE  
(1) 70 CRI, 5000K LED WITH TYPE V ROUND OPTIC  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3836 lumens  
Efficiency: N/A  
Efficacy: 165.3 lumens/watt  
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.08')  
IES Classification: Type V - Short  
BUG Rating: B2 - U2 - G1

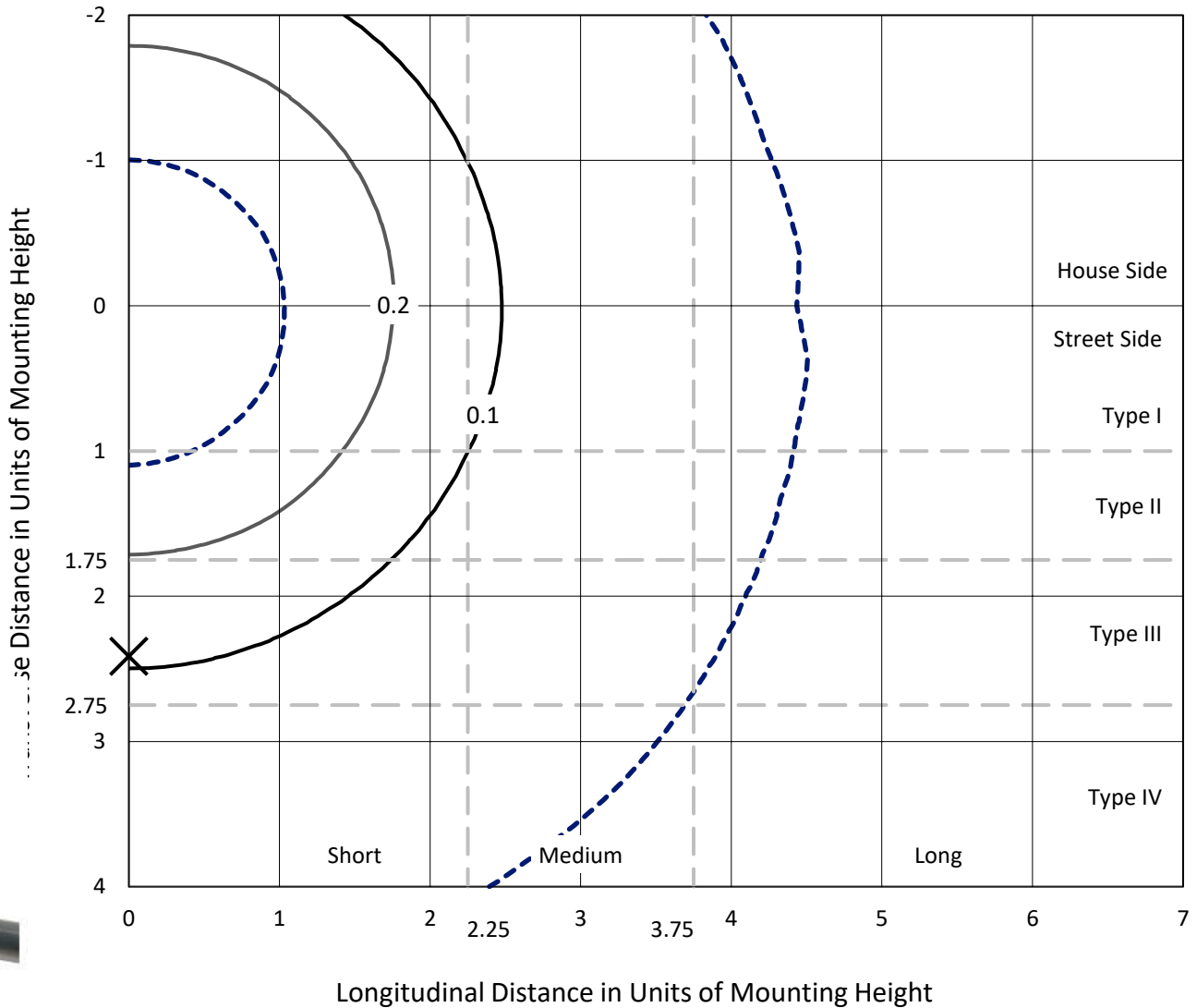
Input Watts (W): 23.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

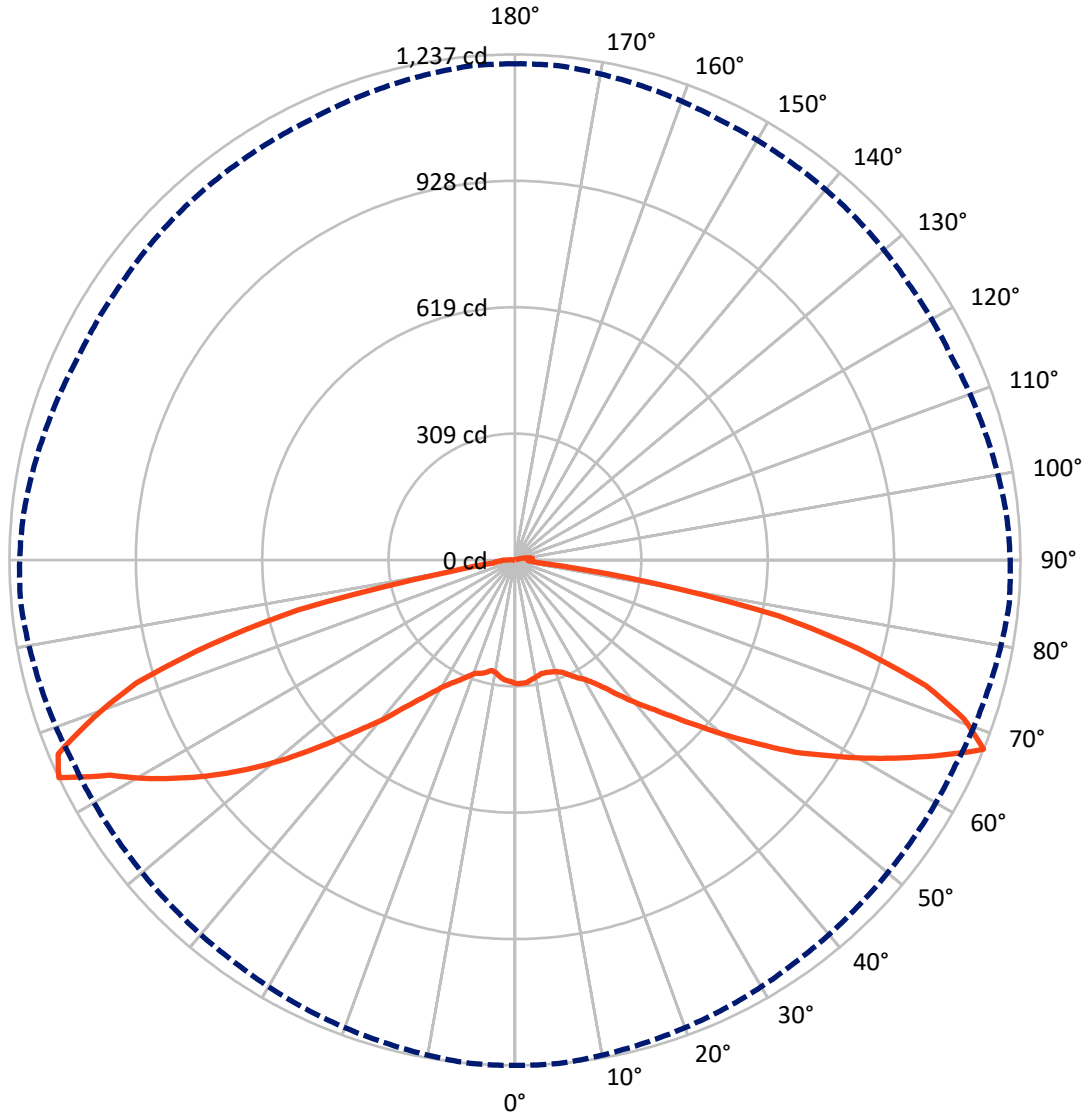
× Max cd  
 - - - 1/2 Max cd



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



— Vertical Plane Through 0-Deg Lateral      - - - Horizontal Cone Through 67.5-Deg Vertical

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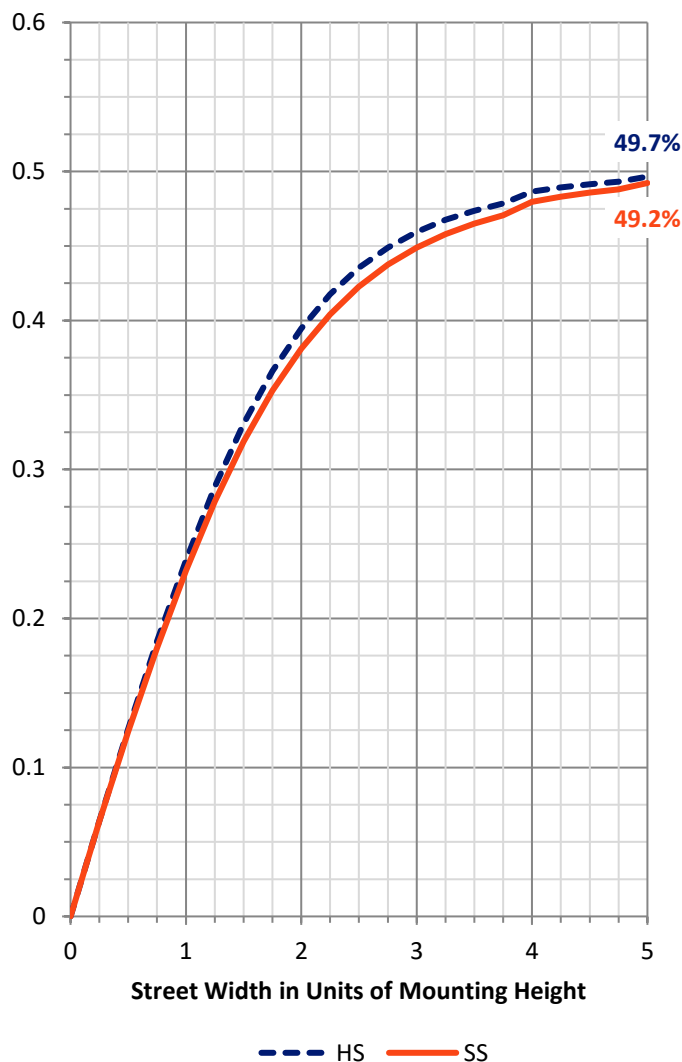
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1899.3	18.0	1917.3
	% Fixture	49.5	0.5	50.0
<b>Street Side</b>	Lumens	1893.3	25.5	1918.7
	% Fixture	49.4	0.7	50.0
<b>Total</b>	Lumens	3792.6	43.5	3836.0
	% Fixture	98.9	1.1	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	28.3	0.7
10°-20°	83.5	2.2
20°-30°	150.9	3.9
30°-40°	260.2	6.8
40°-50°	461.6	12.0
50°-60°	785.8	20.5
60°-70°	1125.9	29.3
70°-80°	818.6	21.3
80°-90°	77.7	2.0
90°-100°	35.1	0.9
100°-110°	8.4	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°	3792.6	98.9
0°-180°	3836.0	100.0

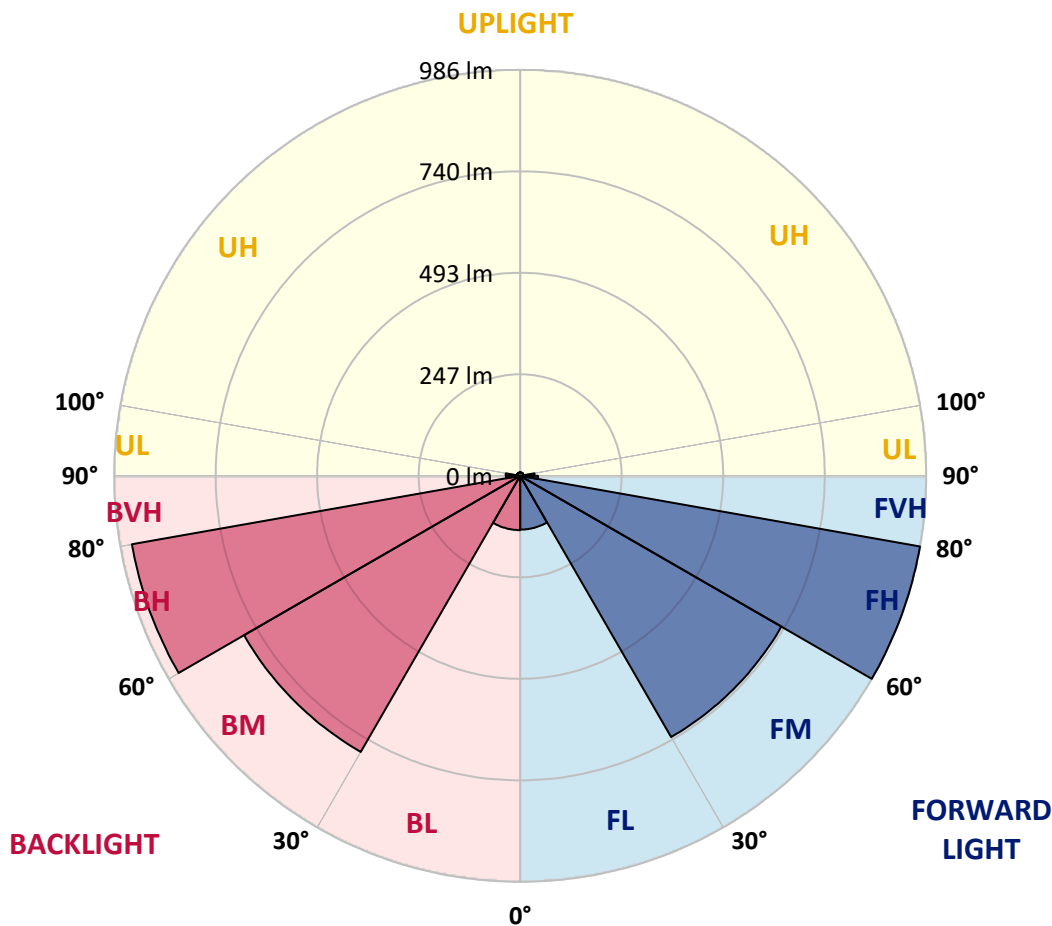


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	130.7	3.4			
FM (30°-60°)	732.9	19.1			
FH (60°-80°)	986.5	25.7			G1/1800
FVH (80°-90°)	43.2	1.1			G1/100
BL (0°-30°)	131.9	3.4	B1/500		
BM (30°-60°)	774.8	20.2	B1/1000		
BH (60°-80°)	958.0	25.0	B2/1000		G1/1800
BVH (80°-90°)	34.6	0.9			G1/100
UL (90°-100°)	35.1	0.9		U2/50	
UH (100°-180°)	8.4	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°	302.4	302.4	302.4	302.4	302.4	302.4	302.4	302.4	302.4	302.4	302.4
2.5°	302.4	302.4	302.4	302.4	302.4	302.4	301.2	298.8	298.8	298.8	298.8
5°	301.2	301.2	301.2	301.2	302.4	302.4	302.4	300.0	300.0	300.0	300.0
7.5°	295.2	295.2	296.4	296.4	297.6	298.8	297.6	297.6	297.6	298.8	298.8
10°	290.4	290.4	291.6	291.6	292.8	292.8	295.2	295.2	296.4	297.6	297.6
12.5°	285.7	285.7	286.9	289.2	290.4	291.6	292.8	294.0	296.4	297.6	297.6
15°	285.7	285.7	285.7	288.1	291.6	294.0	295.2	297.6	300.0	301.2	302.4
17.5°	288.1	288.1	288.1	290.4	292.8	296.4	300.0	301.2	303.6	306.0	306.0
20°	291.6	291.6	292.8	295.2	298.8	301.2	303.6	307.2	309.6	312.0	313.2
22.5°	298.8	300.0	300.0	301.2	304.8	308.4	310.8	313.2	316.7	319.1	321.5
25°	312.0	310.8	310.8	313.2	315.5	319.1	320.3	322.7	326.3	329.9	331.1
27.5°	326.3	325.1	325.1	327.5	329.9	332.3	333.5	337.1	340.6	344.2	345.4
30°	339.4	339.4	340.6	343.0	345.4	349.0	350.2	353.8	356.2	361.0	361.0
32.5°	359.8	361.0	362.2	363.4	365.7	369.3	372.9	374.1	376.5	380.1	382.5
35°	387.3	389.6	389.6	390.8	396.8	400.4	398.0	401.6	405.2	410.0	412.4
37.5°	423.1	421.9	425.5	430.3	431.5	435.1	433.9	436.3	441.0	447.0	450.6
40°	461.4	462.6	462.6	463.8	467.3	468.5	473.3	476.9	481.7	490.0	492.4
42.5°	500.8	503.2	505.6	506.8	512.8	514.0	517.5	522.3	528.3	534.3	536.7
45°	549.8	548.6	554.6	557.0	563.0	570.1	570.1	572.5	582.1	588.1	591.6
47.5°	608.4	610.8	614.4	617.9	627.5	628.7	634.7	638.3	644.2	650.2	651.4
50°	676.5	676.5	680.1	687.3	693.2	699.2	702.8	707.6	712.4	721.9	726.7
52.5°	748.2	749.4	754.2	761.4	770.9	772.1	775.7	784.1	787.7	790.1	798.4
55°	829.5	825.9	829.5	840.3	851.0	849.8	851.0	860.6	866.5	871.3	873.7
57.5°	903.6	903.6	907.2	915.6	917.9	921.5	922.7	931.1	938.3	944.2	945.4
60°	984.9	983.7	986.1	993.2	1001.6	1001.6	1000.4	1008.8	1015.9	1017.1	1025.5
62.5°	1066.1	1062.6	1065.0	1069.7	1074.5	1069.7	1074.5	1081.7	1087.7	1092.4	1094.8
65°	1151.0	1146.2	1147.4	1142.6	1135.5	1129.5	1140.3	1160.6	1178.5	1188.1	1189.3
67.5°	1237.1	1237.1	1223.9	1212.0	1200.0	1192.8	1189.3	1189.3	1201.2	1214.4	1212.0
70°	1166.5	1168.9	1158.2	1149.8	1130.7	1124.7	1121.1	1109.2	1115.2	1118.7	1110.4
72.5°	1051.8	1038.7	1033.9	1030.3	1015.9	1005.2	993.2	984.9	981.3	983.7	974.1
75°	868.9	895.2	880.9	873.7	864.2	859.4	828.3	818.7	817.5	827.1	827.1
77.5°	661.0	675.3	665.7	669.3	655.0	652.6	640.6	629.9	621.5	619.1	595.2
80°	343.0	353.8	356.2	368.1	365.7	358.6	350.2	319.1	310.8	315.5	292.8
82.5°	62.2	64.5	65.7	66.9	62.2	64.5	65.7	59.8	63.3	62.2	59.8
85°	35.9	35.9	37.1	37.1	34.7	32.3	34.7	33.5	33.5	35.9	35.9
87.5°	31.1	32.3	33.5	33.5	29.9	27.5	29.9	29.9	31.1	32.3	32.3
90°	32.3	32.3	34.7	34.7	31.1	28.7	32.3	33.5	33.5	33.5	34.7
92.5°	43.0	41.8	43.0	43.0	39.4	37.1	41.8	41.8	41.8	41.8	43.0
95°	41.8	40.6	41.8	40.6	38.2	35.9	39.4	40.6	40.6	40.6	41.8
97.5°	35.9	35.9	35.9	35.9	32.3	31.1	35.9	35.9	34.7	34.7	35.9
100°	27.5	26.3	26.3	26.3	25.1	25.1	27.5	26.3	25.1	26.3	27.5
102.5°	17.9	17.9	17.9	17.9	17.9	17.9	17.9	16.7	16.7	16.7	19.1
105°	10.8	10.8	9.6	9.6	9.6	9.6	9.6	8.4	8.4	8.4	10.8
107.5°	3.6	3.6	2.4	2.4	2.4	2.4	2.4	1.2	1.2	1.2	3.6
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°	302.4	302.4	302.4	302.4	302.4	302.4	302.4	302.4	302.4	302.4
2.5°	300.0	300.0	301.2	300.0	300.0	298.8	297.6	296.4	297.6	297.6
5°	300.0	301.2	300.0	298.8	297.6	296.4	296.4	294.0	294.0	295.2
7.5°	298.8	301.2	298.8	297.6	294.0	292.8	291.6	289.2	289.2	289.2
10°	297.6	297.6	296.4	291.6	289.2	285.7	284.5	282.1	280.9	279.7
12.5°	297.6	297.6	294.0	290.4	286.9	282.1	280.9	278.5	277.3	276.1
15°	301.2	302.4	300.0	295.2	289.2	288.1	284.5	283.3	282.1	284.5
17.5°	307.2	306.0	303.6	298.8	295.2	294.0	289.2	289.2	288.1	290.4
20°	313.2	310.8	308.4	306.0	301.2	298.8	298.8	295.2	296.4	294.0
22.5°	320.3	321.5	317.9	314.3	310.8	309.6	308.4	308.4	307.2	307.2
25°	332.3	332.3	329.9	326.3	323.9	321.5	320.3	321.5	319.1	322.7
27.5°	346.6	345.4	345.4	343.0	339.4	338.3	337.1	338.3	337.1	337.1
30°	361.0	363.4	361.0	359.8	357.4	357.4	356.2	356.2	357.4	356.2
32.5°	383.7	384.9	384.9	383.7	381.3	380.1	380.1	381.3	383.7	382.5
35°	413.6	414.7	417.1	419.5	419.5	417.1	414.7	413.6	414.7	414.7
37.5°	453.0	454.2	456.6	456.6	455.4	454.2	455.4	457.8	453.0	453.0
40°	493.6	492.4	494.8	497.2	498.4	497.2	496.0	498.4	500.8	504.4
42.5°	539.1	541.4	542.6	547.4	549.8	549.8	548.6	552.2	553.4	553.4
45°	592.8	598.8	596.4	604.8	612.0	613.2	609.6	612.0	609.6	612.0
47.5°	655.0	659.8	664.6	671.7	675.3	677.7	676.5	678.9	681.3	681.3
50°	725.5	729.1	737.5	747.0	753.0	753.0	748.2	753.0	757.8	756.6
52.5°	799.6	806.8	815.2	823.5	828.3	829.5	829.5	833.1	831.9	831.9
55°	877.3	883.3	894.0	898.8	904.8	907.2	907.2	908.4	907.2	907.2
57.5°	951.4	958.6	966.9	976.5	982.5	984.9	982.5	982.5	982.5	980.1
60°	1027.9	1032.7	1041.0	1048.2	1051.8	1056.6	1056.6	1055.4	1054.2	1053.0
62.5°	1098.4	1100.8	1103.2	1104.4	1108.0	1117.5	1117.5	1123.5	1123.5	1122.3
65°	1190.5	1179.7	1170.1	1172.5	1180.9	1189.3	1196.4	1220.3	1232.3	1237.1
67.5°	1208.4	1192.8	1178.5	1177.3	1182.1	1184.5	1188.1	1201.2	1214.4	1214.4
70°	1103.2	1093.6	1080.5	1086.5	1090.1	1086.5	1091.2	1099.6	1111.6	1100.8
72.5°	966.9	951.4	961.0	966.9	961.0	956.2	958.6	957.4	965.8	974.1
75°	816.3	784.1	784.1	784.1	786.5	775.7	775.7	776.9	792.4	770.9
77.5°	604.8	582.1	576.1	552.2	549.8	535.5	545.0	539.1	553.4	545.0
80°	282.1	272.5	268.9	245.0	240.2	202.0	216.3	192.4	199.6	179.3
82.5°	58.6	57.4	56.2	50.2	45.4	39.4	46.6	52.6	53.8	52.6
85°	37.1	38.2	38.2	35.9	33.5	29.9	35.9	44.2	46.6	46.6
87.5°	32.3	33.5	33.5	32.3	29.9	26.3	29.9	33.5	34.7	33.5
90°	34.7	35.9	34.7	33.5	31.1	27.5	31.1	32.3	26.3	27.5
92.5°	41.8	41.8	40.6	40.6	39.4	34.7	38.2	31.1	12.0	3.6
95°	40.6	39.4	39.4	38.2	37.1	31.1	31.1	8.4	0.0	0.0
97.5°	34.7	32.3	32.3	31.1	31.1	26.3	19.1	0.0	0.0	0.0
100°	26.3	22.7	22.7	21.5	21.5	17.9	7.2	0.0	0.0	0.0
102.5°	17.9	14.3	13.1	12.0	12.0	10.8	1.2	0.0	0.0	0.0
105°	9.6	6.0	4.8	3.6	3.6	2.4	0.0	0.0	0.0	0.0
107.5°	3.6	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)