

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: P691188

Luminaire Tested: **CRTK2-C013-D-U-T5R-7050**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691188
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-D-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: 3246 lumens
Efficiency: N/A
Efficacy: 159.1 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.08')
IES Classification: Type V - Short
BUG Rating: B2 - U2 - G1

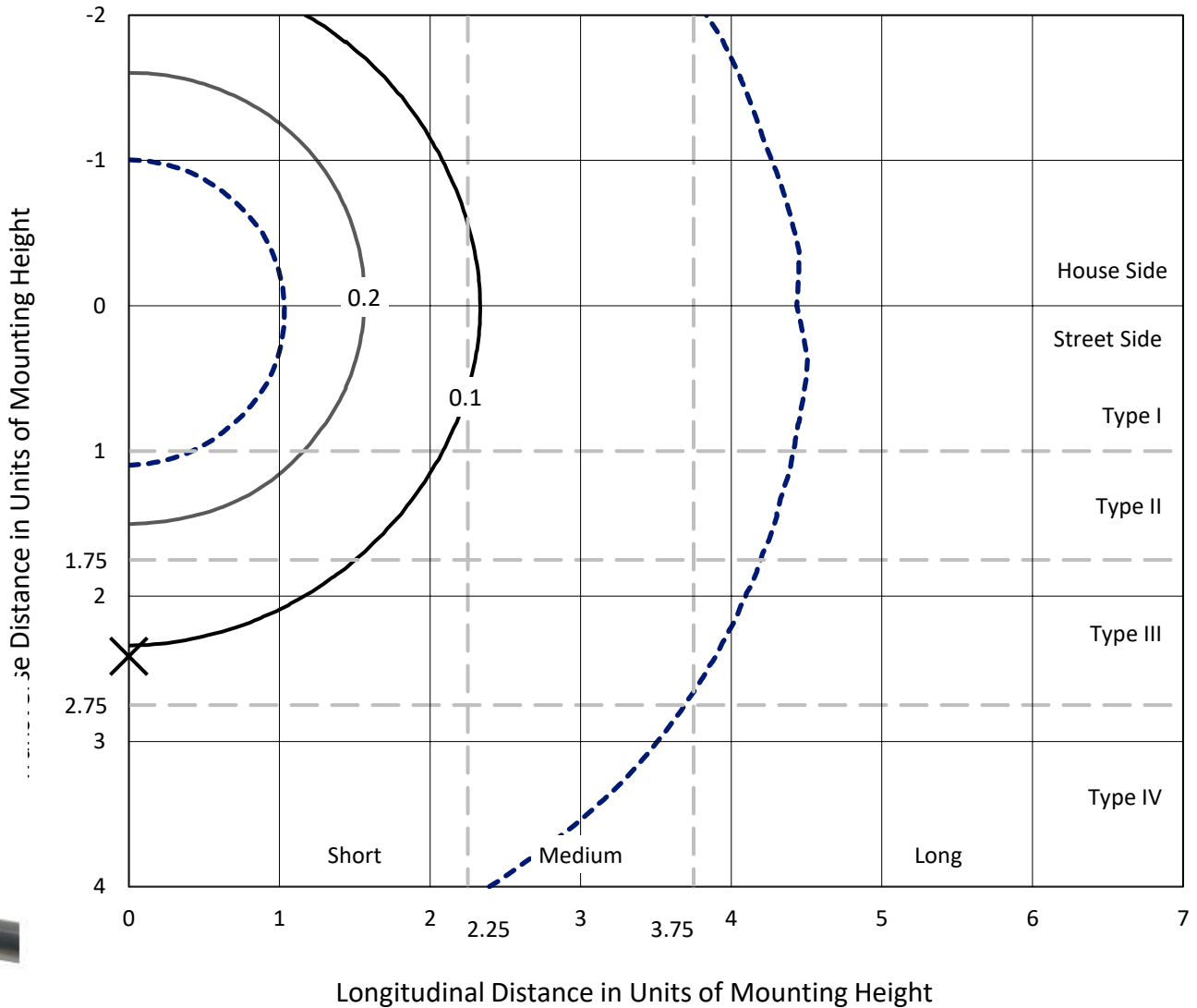
Input Watts (W): 20.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

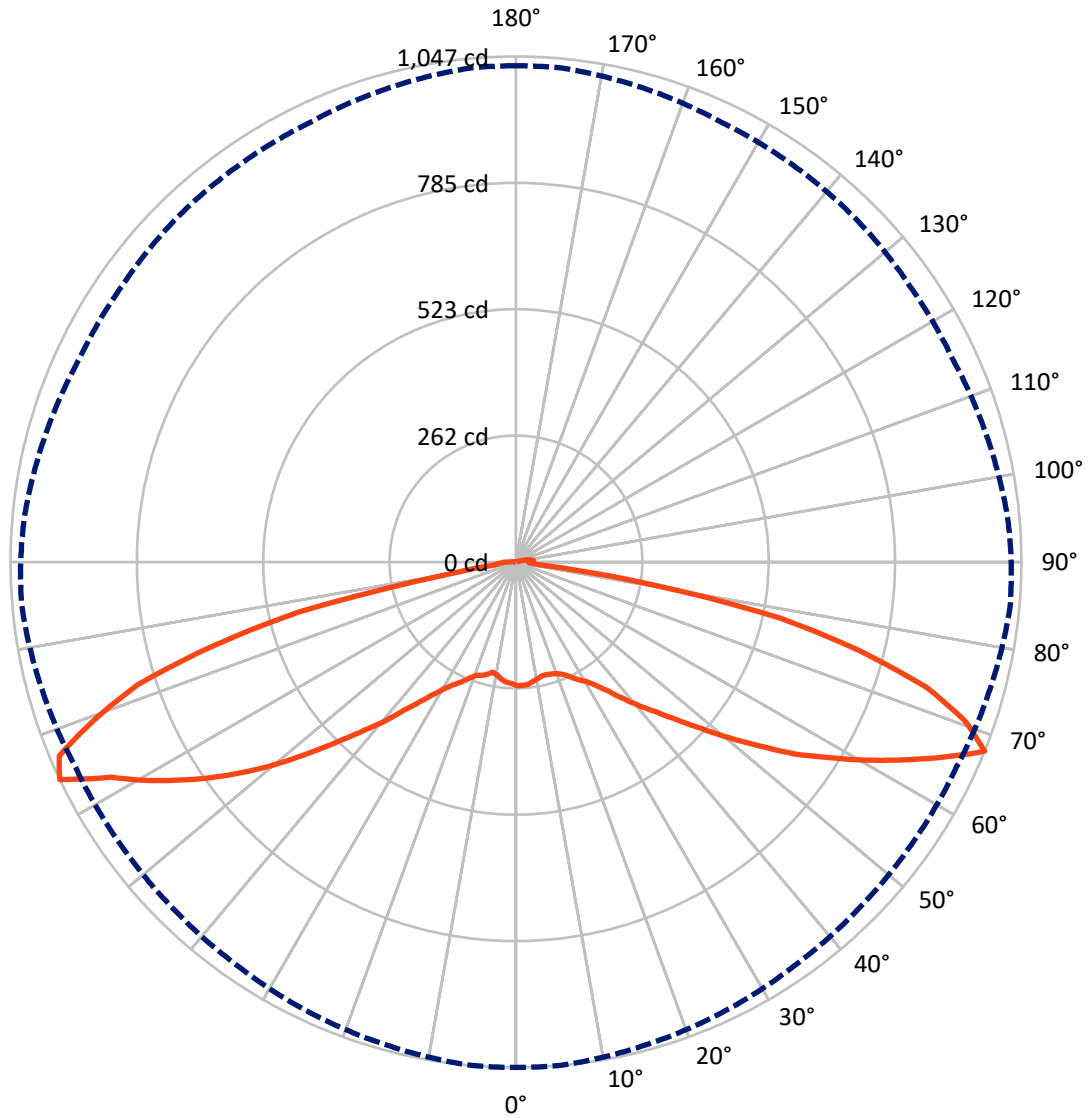
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.4 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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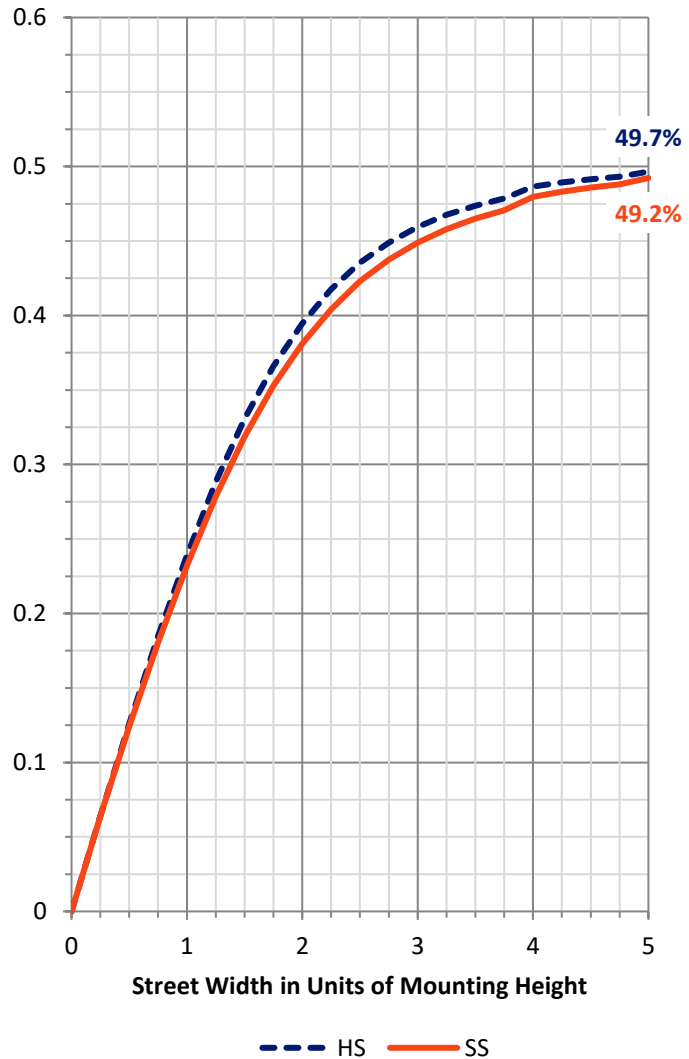
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1607.2	15.2	1622.4
	% Fixture	49.5	0.5	50.0
Street Side	Lumens	1602.1	21.6	1623.6
	% Fixture	49.4	0.7	50.0
Total	Lumens	3209.2	36.8	3246.0
	% Fixture	98.9	1.1	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	24.0	0.7
10°-20°	70.6	2.2
20°-30°	127.7	3.9
30°-40°	220.2	6.8
40°-50°	390.6	12.0
50°-60°	665.0	20.5
60°-70°	952.7	29.4
70°-80°	692.7	21.3
80°-90°	65.8	2.0
90°-100°	29.7	0.9
100°-110°	7.1	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°	3209.2	98.9
0°-180°	3246.0	100.0

Coefficient of Utilization

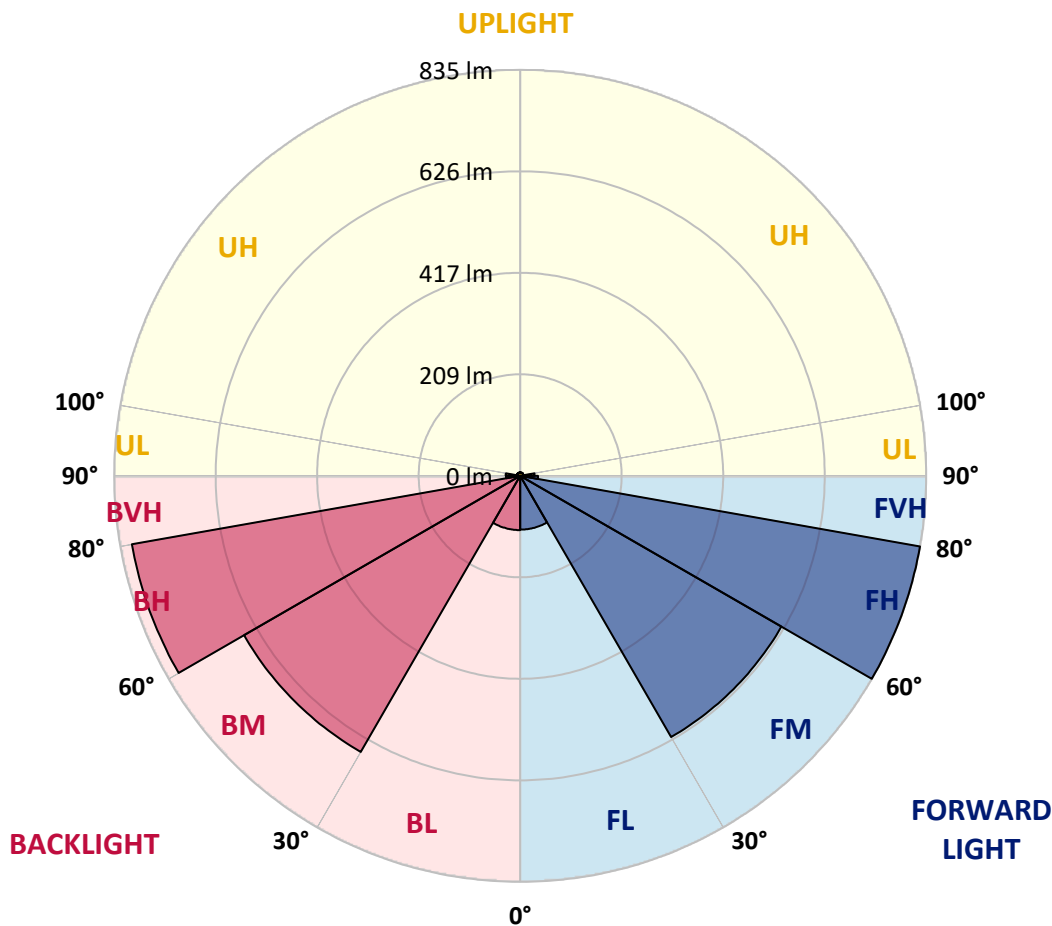


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	110.6	3.4			
FM (30°-60°)	620.1	19.1			
FH (60°-80°)	834.8	25.7			G1/1800
FVH (80°-90°)	36.5	1.1			G1/100
BL (0°-30°)	111.6	3.4	B1/500		
BM (30°-60°)	655.6	20.2	B1/1000		
BH (60°-80°)	810.7	25.0	B2/1000		G1/1800
BVH (80°-90°)	29.2	0.9			G1/100
UL (90°-100°)	29.7	0.9		U2/50	
UH (100°-180°)	7.1	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°	255.9	255.9	255.9	255.9	255.9	255.9	255.9	255.9	255.9	255.9	255.9
2.5°	255.9	255.9	255.9	255.9	255.9	255.9	254.9	252.9	252.9	252.9	252.9
5°	254.9	254.9	254.9	254.9	255.9	255.9	255.9	253.9	253.9	253.9	253.9
7.5°	249.8	249.8	250.8	250.8	251.8	252.9	251.8	251.8	251.8	252.9	252.9
10°	245.8	245.8	246.8	246.8	247.8	247.8	249.8	249.8	250.8	251.8	251.8
12.5°	241.7	241.7	242.7	244.8	245.8	246.8	247.8	248.8	250.8	251.8	251.8
15°	241.7	241.7	241.7	243.7	246.8	248.8	249.8	251.8	253.9	254.9	255.9
17.5°	243.7	243.7	243.7	245.8	247.8	250.8	253.9	254.9	256.9	258.9	258.9
20°	246.8	246.8	247.8	249.8	252.9	254.9	256.9	259.9	262.0	264.0	265.0
22.5°	252.9	253.9	253.9	254.9	257.9	260.9	263.0	265.0	268.0	270.0	272.1
25°	264.0	263.0	263.0	265.0	267.0	270.0	271.1	273.1	276.1	279.1	280.2
27.5°	276.1	275.1	275.1	277.1	279.1	281.2	282.2	285.2	288.2	291.3	292.3
30°	287.2	287.2	288.2	290.3	292.3	295.3	296.3	299.4	301.4	305.4	305.4
32.5°	304.4	305.4	306.5	307.5	309.5	312.5	315.6	316.6	318.6	321.6	323.6
35°	327.7	329.7	329.7	330.7	335.8	338.8	336.8	339.8	342.9	346.9	348.9
37.5°	358.0	357.0	360.1	364.1	365.1	368.1	367.1	369.2	373.2	378.3	381.3
40°	390.4	391.4	391.4	392.4	395.5	396.5	400.5	403.5	407.6	414.7	416.7
42.5°	423.8	425.8	427.8	428.8	433.9	434.9	437.9	442.0	447.0	452.1	454.1
45°	465.2	464.2	469.3	471.3	476.4	482.4	482.4	484.5	492.6	497.6	500.6
47.5°	514.8	516.8	519.9	522.9	531.0	532.0	537.1	540.1	545.1	550.2	551.2
50°	572.5	572.5	575.5	581.6	586.6	591.7	594.7	598.7	602.8	610.9	614.9
52.5°	633.1	634.1	638.2	644.3	652.4	653.4	656.4	663.5	666.5	668.5	675.6
55°	701.9	698.9	701.9	711.0	720.1	719.1	720.1	728.2	733.3	737.3	739.3
57.5°	764.6	764.6	767.7	774.7	776.8	779.8	780.8	787.9	793.9	799.0	800.0
60°	833.4	832.4	834.4	840.5	847.6	847.6	846.5	853.6	859.7	860.7	867.8
62.5°	902.2	899.1	901.2	905.2	909.2	905.2	909.2	915.3	920.4	924.4	926.4
65°	974.0	969.9	970.9	966.9	960.8	955.8	964.9	982.1	997.2	1005.3	1006.3
67.5°	1046.8	1046.8	1035.7	1025.6	1015.4	1009.4	1006.3	1006.3	1016.5	1027.6	1025.6
70°	987.1	989.1	980.0	973.0	956.8	951.7	948.7	938.6	943.6	946.7	939.6
72.5°	890.0	878.9	874.9	871.8	859.7	850.6	840.5	833.4	830.4	832.4	824.3
75°	735.3	757.5	745.4	739.3	731.2	727.2	700.9	692.8	691.8	699.9	699.9
77.5°	559.3	571.4	563.4	566.4	554.2	552.2	542.1	533.0	525.9	523.9	503.7
80°	290.3	299.4	301.4	311.5	309.5	303.4	296.3	270.0	263.0	267.0	247.8
82.5°	52.6	54.6	55.6	56.6	52.6	54.6	55.6	50.6	53.6	52.6	50.6
85°	30.3	30.3	31.4	31.4	29.3	27.3	29.3	28.3	28.3	30.3	30.3
87.5°	26.3	27.3	28.3	28.3	25.3	23.3	25.3	25.3	26.3	27.3	27.3
90°	27.3	27.3	29.3	29.3	26.3	24.3	27.3	28.3	28.3	28.3	29.3
92.5°	36.4	35.4	36.4	36.4	33.4	31.4	35.4	35.4	35.4	35.4	36.4
95°	35.4	34.4	35.4	34.4	32.4	30.3	33.4	34.4	34.4	34.4	35.4
97.5°	30.3	30.3	30.3	30.3	27.3	26.3	30.3	30.3	29.3	29.3	30.3
100°	23.3	22.3	22.3	22.3	21.2	21.2	23.3	22.3	21.2	22.3	23.3
102.5°	15.2	15.2	15.2	15.2	15.2	15.2	15.2	14.2	14.2	14.2	16.2
105°	9.1	9.1	8.1	8.1	8.1	8.1	8.1	7.1	7.1	7.1	9.1
107.5°	3.0	3.0	2.0	2.0	2.0	2.0	2.0	1.0	1.0	1.0	3.0
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°	255.9	255.9	255.9	255.9	255.9	255.9	255.9	255.9	255.9	255.9
2.5°	253.9	253.9	254.9	253.9	253.9	252.9	251.8	250.8	251.8	251.8
5°	253.9	254.9	253.9	252.9	251.8	250.8	250.8	248.8	248.8	249.8
7.5°	252.9	254.9	252.9	251.8	248.8	247.8	246.8	244.8	244.8	244.8
10°	251.8	251.8	250.8	246.8	244.8	241.7	240.7	238.7	237.7	236.7
12.5°	251.8	251.8	248.8	245.8	242.7	238.7	237.7	235.7	234.6	233.6
15°	254.9	255.9	253.9	249.8	244.8	243.7	240.7	239.7	238.7	240.7
17.5°	259.9	258.9	256.9	252.9	249.8	248.8	244.8	244.8	243.7	245.8
20°	265.0	263.0	260.9	258.9	254.9	252.9	252.9	249.8	250.8	248.8
22.5°	271.1	272.1	269.0	266.0	263.0	262.0	260.9	260.9	259.9	259.9
25°	281.2	281.2	279.1	276.1	274.1	272.1	271.1	272.1	270.0	273.1
27.5°	293.3	292.3	292.3	290.3	287.2	286.2	285.2	286.2	285.2	285.2
30°	305.4	307.5	305.4	304.4	302.4	302.4	301.4	301.4	302.4	301.4
32.5°	324.7	325.7	325.7	324.7	322.6	321.6	321.6	322.6	324.7	323.6
35°	349.9	351.0	353.0	355.0	355.0	353.0	351.0	349.9	351.0	351.0
37.5°	383.3	384.3	386.4	386.4	385.3	384.3	385.3	387.4	383.3	383.3
40°	417.7	416.7	418.7	420.7	421.8	420.7	419.7	421.8	423.8	426.8
42.5°	456.1	458.2	459.2	463.2	465.2	465.2	464.2	467.3	468.3	468.3
45°	501.7	506.7	504.7	511.8	517.8	518.8	515.8	517.8	515.8	517.8
47.5°	554.2	558.3	562.3	568.4	571.4	573.5	572.5	574.5	576.5	576.5
50°	613.9	617.0	624.0	632.1	637.2	637.2	633.1	637.2	641.2	640.2
52.5°	676.6	682.7	689.8	696.9	700.9	701.9	701.9	704.9	703.9	703.9
55°	742.4	747.4	756.5	760.6	765.6	767.7	767.7	768.7	767.7	767.7
57.5°	805.1	811.1	818.2	826.3	831.4	833.4	831.4	831.4	831.4	829.3
60°	869.8	873.9	880.9	887.0	890.0	894.1	894.1	893.1	892.1	891.0
62.5°	929.5	931.5	933.5	934.5	937.6	945.7	945.7	950.7	950.7	949.7
65°	1007.4	998.3	990.2	992.2	999.3	1006.3	1012.4	1032.6	1042.8	1046.8
67.5°	1022.5	1009.4	997.2	996.2	1000.3	1002.3	1005.3	1016.5	1027.6	1027.6
70°	933.5	925.4	914.3	919.4	922.4	919.4	923.4	930.5	940.6	931.5
72.5°	818.2	805.1	813.2	818.2	813.2	809.1	811.1	810.1	817.2	824.3
75°	690.8	663.5	663.5	663.5	665.5	656.4	656.4	657.4	670.6	652.4
77.5°	511.8	492.6	487.5	467.3	465.2	453.1	461.2	456.1	468.3	461.2
80°	238.7	230.6	227.6	207.3	203.3	170.9	183.1	162.8	168.9	151.7
82.5°	49.6	48.5	47.5	42.5	38.4	33.4	39.4	44.5	45.5	44.5
85°	31.4	32.4	32.4	30.3	28.3	25.3	30.3	37.4	39.4	39.4
87.5°	27.3	28.3	28.3	27.3	25.3	22.3	25.3	28.3	29.3	28.3
90°	29.3	30.3	29.3	28.3	26.3	23.3	26.3	27.3	22.3	23.3
92.5°	35.4	35.4	34.4	34.4	33.4	29.3	32.4	26.3	10.1	3.0
95°	34.4	33.4	33.4	32.4	31.4	26.3	26.3	7.1	0.0	0.0
97.5°	29.3	27.3	27.3	26.3	26.3	22.3	16.2	0.0	0.0	0.0
100°	22.3	19.2	19.2	18.2	18.2	15.2	6.1	0.0	0.0	0.0
102.5°	15.2	12.1	11.1	10.1	10.1	9.1	1.0	0.0	0.0	0.0
105°	8.1	5.1	4.0	3.0	3.0	2.0	0.0	0.0	0.0	0.0
107.5°	3.0	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)