

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: P691181

Luminaire Tested: **CRTK2-C013-D-U-T5R-7040**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691181
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-7040
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 4000K LED WITH TYPE V ROUND OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3209 lumens
Efficiency: N/A
Efficacy: 157.3 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.08')
IES Classification: Type V - Short
BUG Rating: B2 - U2 - G1

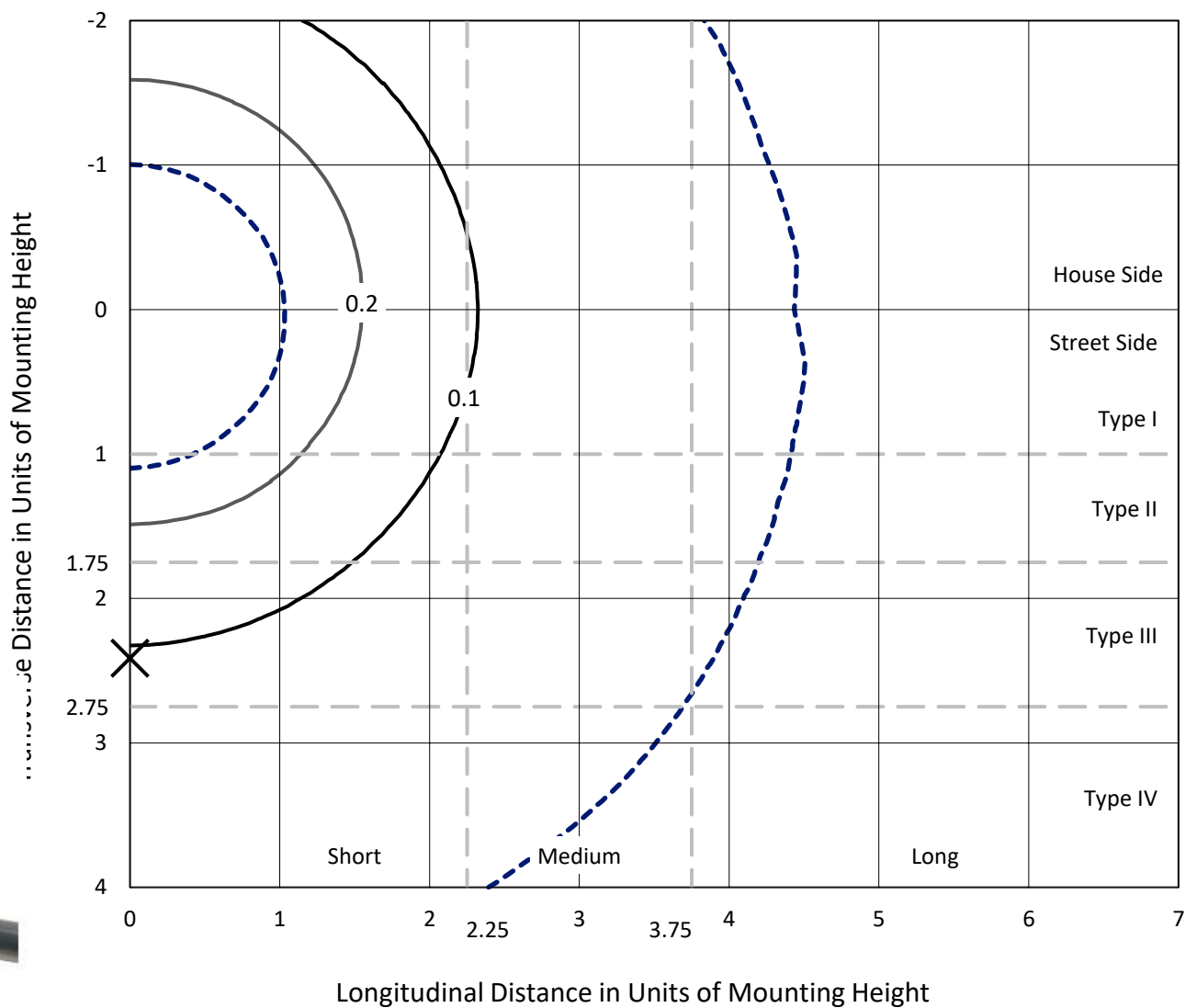
Input Watts (W): 20.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

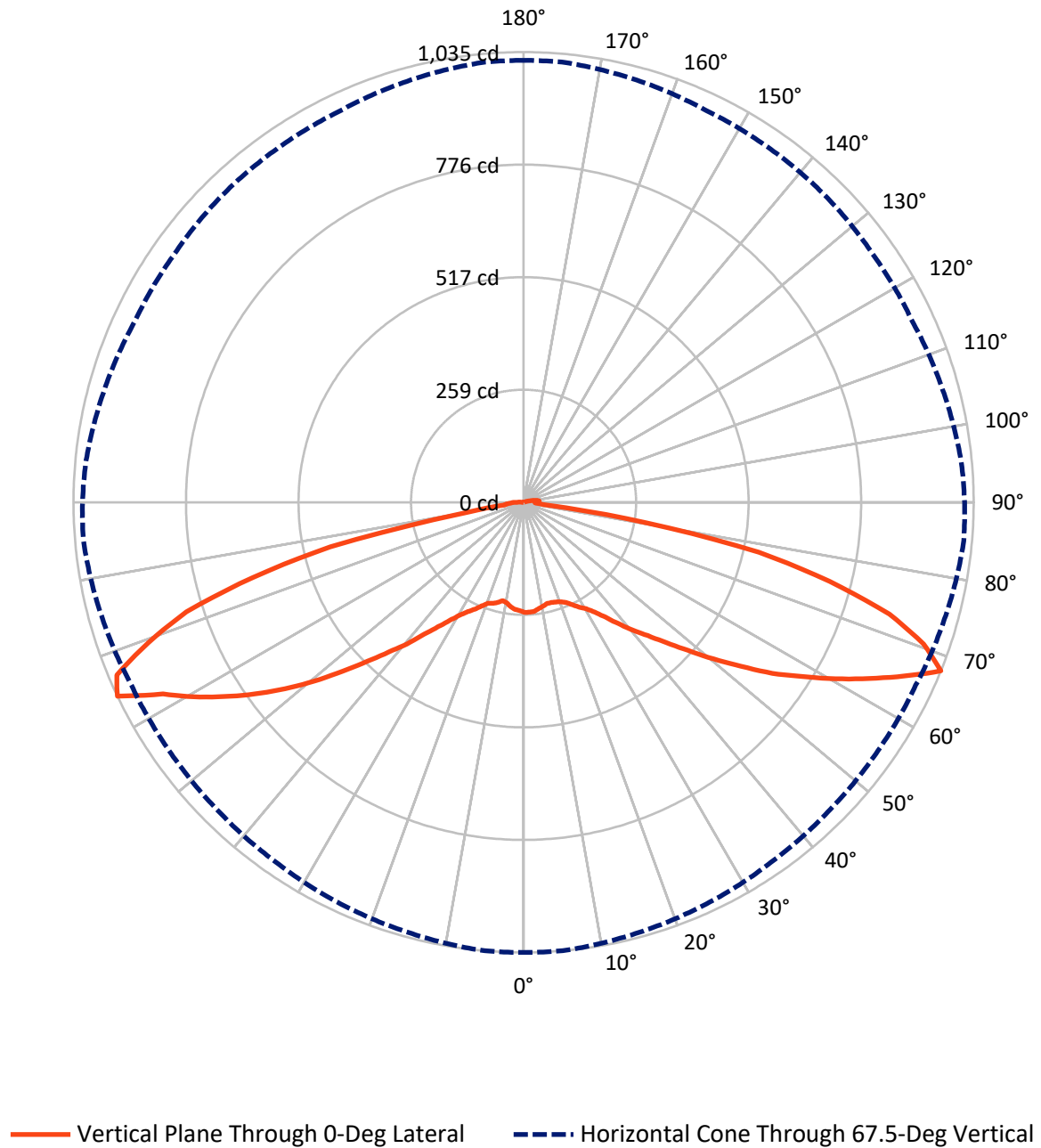
✕ Max cd
 - - - 1/2 Max cd



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



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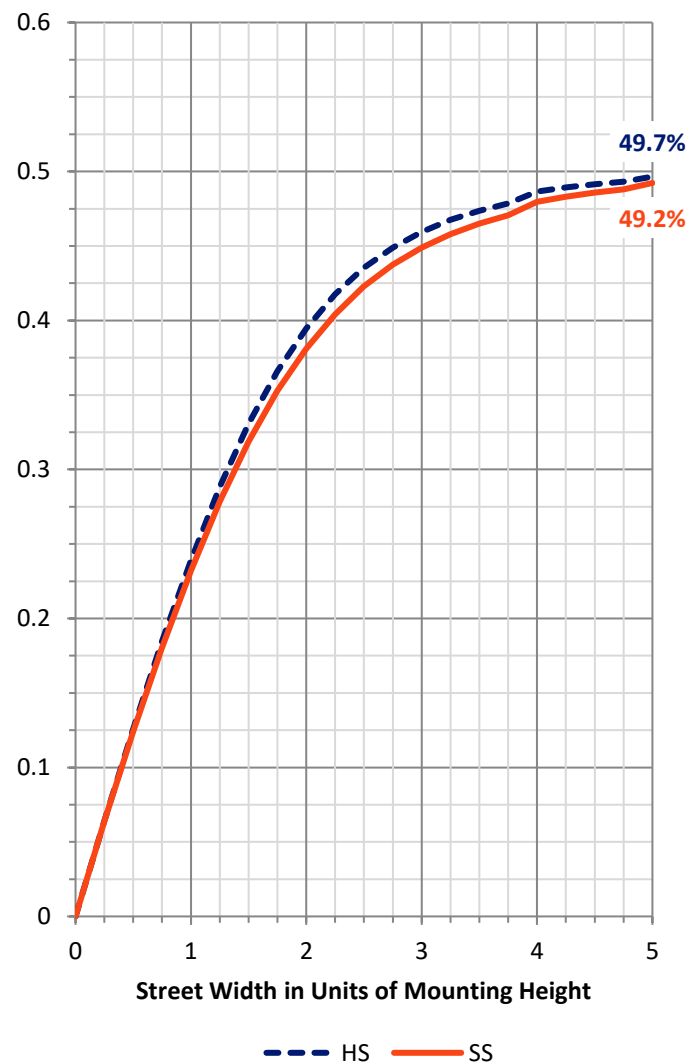
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1588.9	15.1	1603.9
	% Fixture	49.5	0.5	50.0
Street Side	Lumens	1583.8	21.3	1605.1
	% Fixture	49.4	0.7	50.0
Total	Lumens	3172.7	36.4	3209.0
	% Fixture	98.9	1.1	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	23.7	0.7
10°-20°	69.8	2.2
20°-30°	126.2	3.9
30°-40°	217.7	6.8
40°-50°	386.1	12.0
50°-60°	657.4	20.5
60°-70°	941.9	29.4
70°-80°	684.8	21.3
80°-90°	65.0	2.0
90°-100°	29.3	0.9
100°-110°	7.0	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°	3172.7	98.9
0°-180°	3209.0	100.0

Coefficient of Utilization



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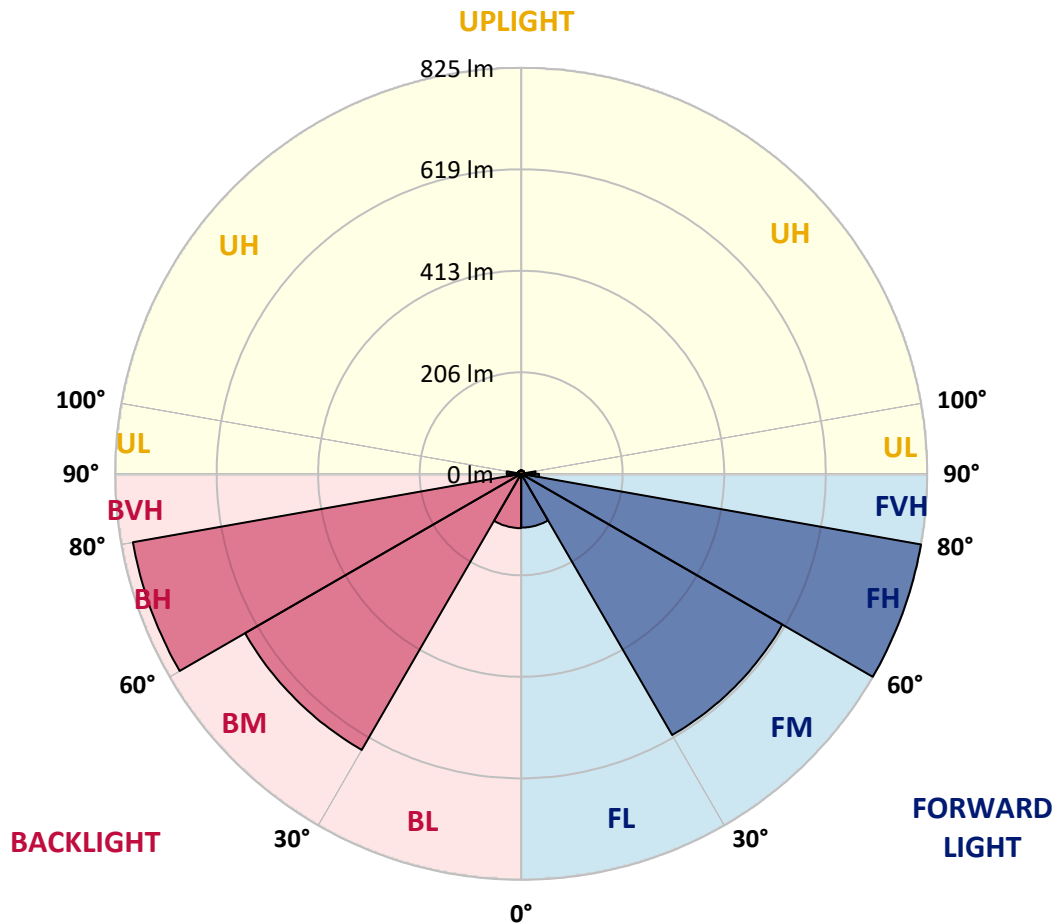
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	109.4	3.4			
FM	(30°-60°)	613.1	19.1			
FH	(60°-80°)	825.3	25.7			G1/1800
FVH	(80°-90°)	36.1	1.1			G1/100
BL	(0°-30°)	110.4	3.4	B1/500		
BM	(30°-60°)	648.1	20.2	B1/1000		
BH	(60°-80°)	801.4	25.0	B2/1000		G1/1800
BVH	(80°-90°)	28.9	0.9			G1/100
UL	(90°-100°)	29.3	0.9		U2/50	
UH	(100°-180°)	7.0	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°	253.0	253.0	253.0	253.0	253.0	253.0	253.0	253.0	253.0	253.0	253.0
2.5°	253.0	253.0	253.0	253.0	253.0	253.0	252.0	250.0	250.0	250.0	250.0
5°	252.0	252.0	252.0	252.0	253.0	253.0	253.0	251.0	251.0	251.0	251.0
7.5°	247.0	247.0	248.0	248.0	249.0	250.0	249.0	249.0	249.0	250.0	250.0
10°	243.0	243.0	244.0	244.0	245.0	245.0	247.0	247.0	248.0	249.0	249.0
12.5°	239.0	239.0	240.0	242.0	243.0	244.0	245.0	246.0	248.0	249.0	249.0
15°	239.0	239.0	239.0	241.0	244.0	246.0	247.0	249.0	251.0	252.0	253.0
17.5°	241.0	241.0	241.0	243.0	245.0	248.0	251.0	252.0	254.0	256.0	256.0
20°	244.0	244.0	245.0	247.0	250.0	252.0	254.0	257.0	259.0	261.0	262.0
22.5°	250.0	251.0	251.0	252.0	255.0	258.0	260.0	262.0	265.0	267.0	269.0
25°	261.0	260.0	260.0	262.0	264.0	267.0	268.0	270.0	273.0	276.0	277.0
27.5°	273.0	272.0	272.0	274.0	276.0	278.0	279.0	282.0	285.0	288.0	289.0
30°	284.0	284.0	285.0	287.0	289.0	292.0	293.0	296.0	298.0	302.0	302.0
32.5°	301.0	302.0	303.0	304.0	306.0	309.0	312.0	313.0	315.0	318.0	320.0
35°	324.0	326.0	326.0	327.0	332.0	335.0	333.0	336.0	339.0	343.0	345.0
37.5°	354.0	353.0	356.0	360.0	361.0	364.0	363.0	365.0	369.0	374.0	377.0
40°	386.0	387.0	387.0	388.0	391.0	391.9	395.9	398.9	402.9	409.9	411.9
42.5°	418.9	420.9	422.9	423.9	428.9	429.9	432.9	436.9	441.9	446.9	448.9
45°	459.9	458.9	463.9	465.9	470.9	476.9	476.9	478.9	486.9	491.9	494.9
47.5°	508.9	510.9	513.9	516.9	524.9	525.9	530.9	533.9	538.9	543.9	544.9
50°	565.9	565.9	568.9	574.9	579.9	584.9	587.9	591.9	595.9	603.9	607.9
52.5°	625.9	626.9	630.9	636.9	644.9	645.9	648.9	655.9	658.9	660.9	667.9
55°	693.9	690.9	693.9	702.9	711.9	710.9	711.9	719.9	724.9	728.9	730.9
57.5°	755.9	755.9	758.9	765.9	767.9	770.9	771.9	778.9	784.9	789.9	790.9
60°	823.9	822.9	824.9	830.9	837.9	837.9	836.9	843.9	849.9	850.9	857.9
62.5°	891.9	888.9	890.9	894.9	898.9	894.9	898.9	904.9	909.9	913.9	915.9
65°	962.9	958.9	959.9	955.9	949.9	944.9	953.9	970.9	985.9	993.9	994.9
67.5°	1034.9	1034.9	1023.9	1013.9	1003.9	997.9	994.9	994.9	1004.9	1015.9	1013.9
70°	975.9	977.9	968.9	961.9	945.9	940.9	937.9	927.9	932.9	935.9	928.9
72.5°	879.9	868.9	864.9	861.9	849.9	840.9	830.9	823.9	820.9	822.9	814.9
75°	726.9	748.9	736.9	730.9	722.9	718.9	692.9	684.9	683.9	691.9	691.9
77.5°	552.9	564.9	556.9	559.9	547.9	545.9	535.9	526.9	519.9	517.9	497.9
80°	287.0	296.0	298.0	308.0	306.0	300.0	293.0	267.0	260.0	264.0	245.0
82.5°	52.0	54.0	55.0	56.0	52.0	54.0	55.0	50.0	53.0	52.0	50.0
85°	30.0	30.0	31.0	31.0	29.0	27.0	29.0	28.0	28.0	30.0	30.0
87.5°	26.0	27.0	28.0	28.0	25.0	23.0	25.0	25.0	26.0	27.0	27.0
90°	27.0	27.0	29.0	29.0	26.0	24.0	27.0	28.0	28.0	28.0	29.0
92.5°	36.0	35.0	36.0	36.0	33.0	31.0	35.0	35.0	35.0	35.0	36.0
95°	35.0	34.0	35.0	34.0	32.0	30.0	33.0	34.0	34.0	34.0	35.0
97.5°	30.0	30.0	30.0	30.0	27.0	26.0	30.0	30.0	29.0	29.0	30.0
100°	23.0	22.0	22.0	22.0	21.0	21.0	23.0	22.0	21.0	22.0	23.0
102.5°	15.0	15.0	15.0	15.0	15.0	15.0	15.0	14.0	14.0	14.0	16.0
105°	9.0	9.0	8.0	8.0	8.0	8.0	8.0	7.0	7.0	7.0	9.0
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°	253.0	253.0	253.0	253.0	253.0	253.0	253.0	253.0	253.0	253.0
2.5°	251.0	251.0	252.0	251.0	251.0	250.0	249.0	248.0	249.0	249.0
5°	251.0	252.0	251.0	250.0	249.0	248.0	248.0	246.0	246.0	247.0
7.5°	250.0	252.0	250.0	249.0	246.0	245.0	244.0	242.0	242.0	242.0
10°	249.0	249.0	248.0	244.0	242.0	239.0	238.0	236.0	235.0	234.0
12.5°	249.0	249.0	246.0	243.0	240.0	236.0	235.0	233.0	232.0	231.0
15°	252.0	253.0	251.0	247.0	242.0	241.0	238.0	237.0	236.0	238.0
17.5°	257.0	256.0	254.0	250.0	247.0	246.0	242.0	242.0	241.0	243.0
20°	262.0	260.0	258.0	256.0	252.0	250.0	250.0	247.0	248.0	246.0
22.5°	268.0	269.0	266.0	263.0	260.0	259.0	258.0	258.0	257.0	257.0
25°	278.0	278.0	276.0	273.0	271.0	269.0	268.0	269.0	267.0	270.0
27.5°	290.0	289.0	289.0	287.0	284.0	283.0	282.0	283.0	282.0	282.0
30°	302.0	304.0	302.0	301.0	299.0	299.0	298.0	298.0	299.0	298.0
32.5°	321.0	322.0	322.0	321.0	319.0	318.0	318.0	319.0	321.0	320.0
35°	346.0	347.0	349.0	351.0	351.0	349.0	347.0	346.0	347.0	347.0
37.5°	379.0	380.0	382.0	382.0	381.0	380.0	381.0	383.0	379.0	379.0
40°	412.9	411.9	413.9	415.9	416.9	415.9	414.9	416.9	418.9	421.9
42.5°	450.9	452.9	453.9	457.9	459.9	459.9	458.9	461.9	462.9	462.9
45°	495.9	500.9	498.9	505.9	511.9	512.9	509.9	511.9	509.9	511.9
47.5°	547.9	551.9	555.9	561.9	564.9	566.9	565.9	567.9	569.9	569.9
50°	606.9	609.9	616.9	624.9	629.9	629.9	625.9	629.9	633.9	632.9
52.5°	668.9	674.9	681.9	688.9	692.9	693.9	693.9	696.9	695.9	695.9
55°	733.9	738.9	747.9	751.9	756.9	758.9	758.9	759.9	758.9	758.9
57.5°	795.9	801.9	808.9	816.9	821.9	823.9	821.9	821.9	821.9	819.9
60°	859.9	863.9	870.9	876.9	879.9	883.9	883.9	882.9	881.9	880.9
62.5°	918.9	920.9	922.9	923.9	926.9	934.9	934.9	939.9	939.9	938.9
65°	995.9	986.9	978.9	980.9	987.9	994.9	1000.9	1020.9	1030.9	1034.9
67.5°	1010.9	997.9	985.9	984.9	988.9	990.9	993.9	1004.9	1015.9	1015.9
70°	922.9	914.9	903.9	908.9	911.9	908.9	912.9	919.9	929.9	920.9
72.5°	808.9	795.9	803.9	808.9	803.9	799.9	801.9	800.9	807.9	814.9
75°	682.9	655.9	655.9	655.9	657.9	648.9	648.9	649.9	662.9	644.9
77.5°	505.9	486.9	481.9	461.9	459.9	447.9	455.9	450.9	462.9	455.9
80°	236.0	228.0	225.0	205.0	201.0	169.0	181.0	161.0	167.0	150.0
82.5°	49.0	48.0	47.0	42.0	38.0	33.0	39.0	44.0	45.0	44.0
85°	31.0	32.0	32.0	30.0	28.0	25.0	30.0	37.0	39.0	39.0
87.5°	27.0	28.0	28.0	27.0	25.0	22.0	25.0	28.0	29.0	28.0
90°	29.0	30.0	29.0	28.0	26.0	23.0	26.0	27.0	22.0	23.0
92.5°	35.0	35.0	34.0	34.0	33.0	29.0	32.0	26.0	10.0	3.0
95°	34.0	33.0	33.0	32.0	31.0	26.0	26.0	7.0	0.0	0.0
97.5°	29.0	27.0	27.0	26.0	26.0	22.0	16.0	0.0	0.0	0.0
100°	22.0	19.0	19.0	18.0	18.0	15.0	6.0	0.0	0.0	0.0
102.5°	15.0	12.0	11.0	10.0	10.0	9.0	1.0	0.0	0.0	0.0
105°	8.0	5.0	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)