

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: P691262

Luminaire Tested: **CRTK2-C015-5TLD-U-T5R-7030-SR-CARETAKER-DS-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691262
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-C015-5TLD-U-T5R-7030-SR-CARETAKER-DS-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K 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: 3058 lumens
Efficiency: N/A
Efficacy: 93.5 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.29')
IES Classification: Type IV - Short
BUG Rating: B1 - U2 - G2

Input Watts (W): 32.7
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



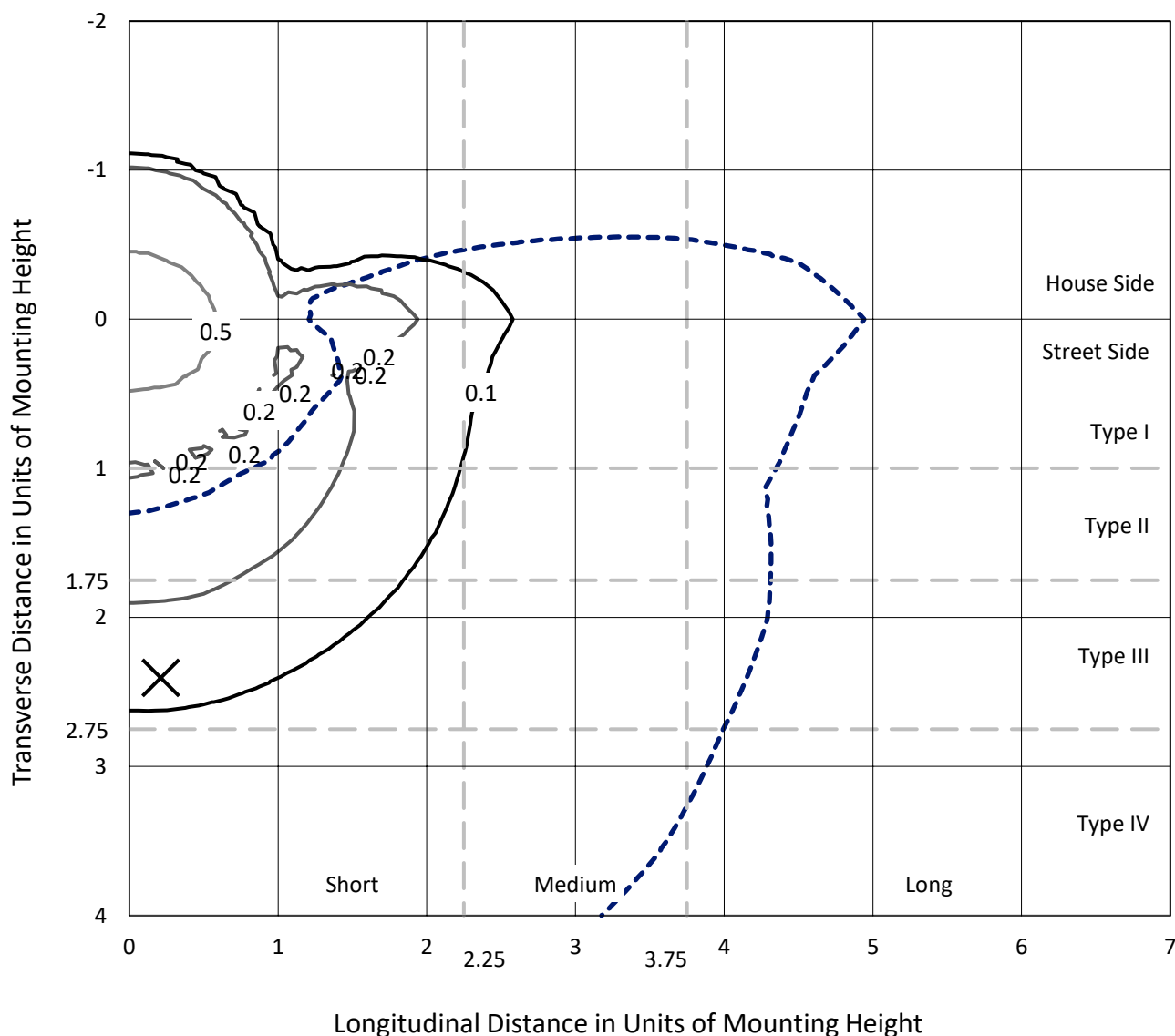
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd



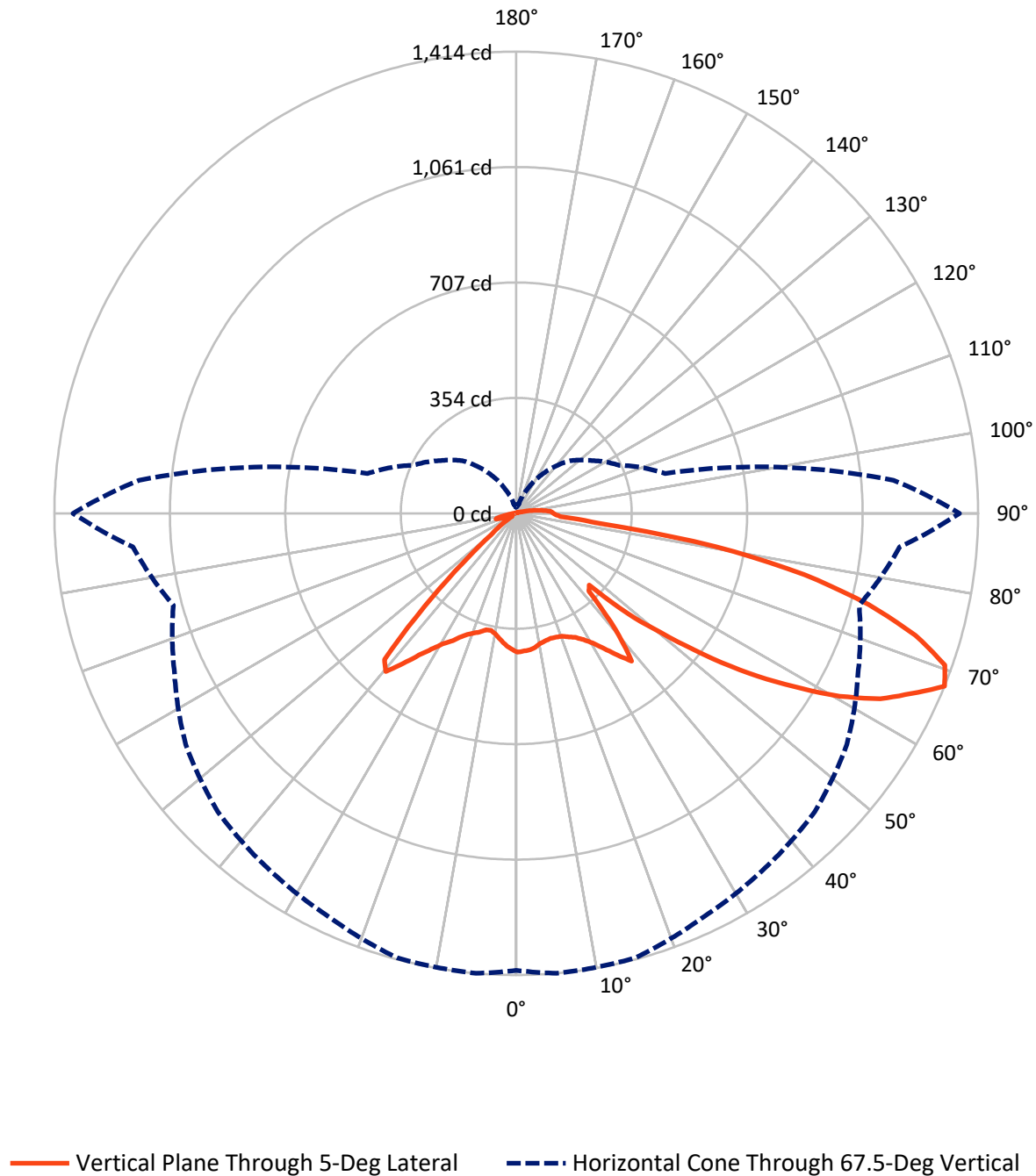
Based on 25 foot mounting height. Maximum calculated value = 0.7 fc

Type IV - Short - N/A

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Luminous Intensity Polar Plot



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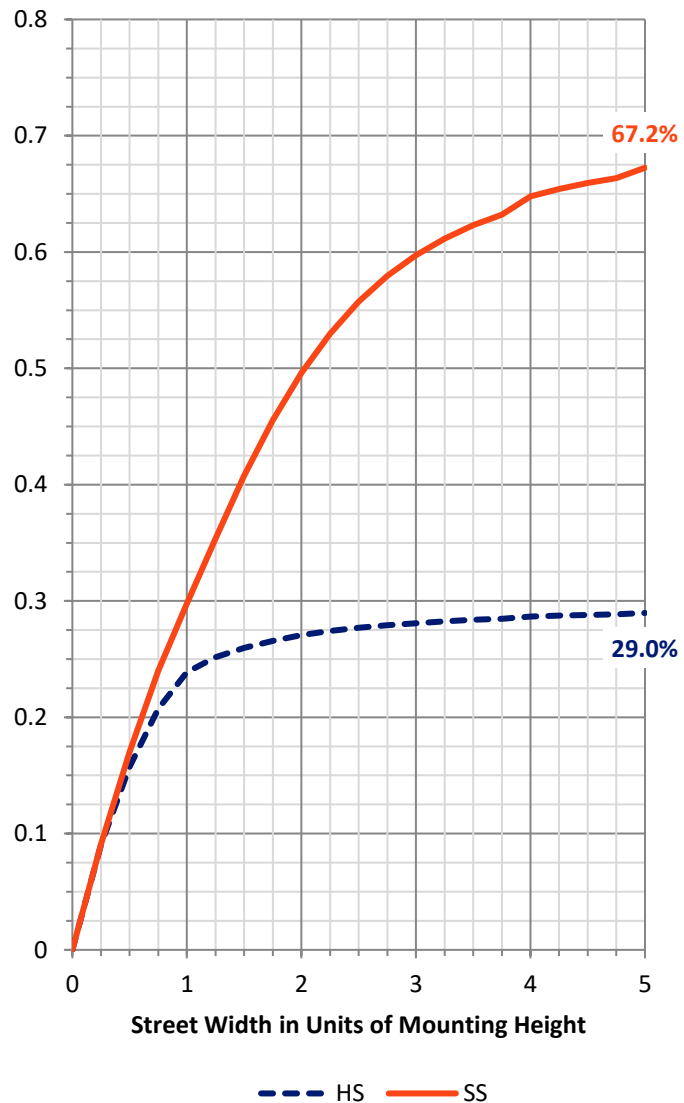
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	896.2	13.5	909.7
	% Fixture	29.3	0.4	29.7
Street Side	Lumens	2095.7	52.6	2148.3
	% Fixture	68.5	1.7	70.3
Total	Lumens	2991.9	66.1	3058.0
	% Fixture	97.8	2.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	39.3	1.3
10°-20°	113.5	3.7
20°-30°	201.6	6.6
30°-40°	337.1	11.0
40°-50°	307.8	10.1
50°-60°	456.9	14.9
60°-70°	749.6	24.5
70°-80°	643.4	21.0
80°-90°	142.7	4.7
90°-100°	48.2	1.6
100°-110°	11.9	0.4
110°-120°	3.8	0.1
120°-130°	2.1	0.1
130°-140°	0.2	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°	2991.9	97.8
0°-180°	3058.0	100.0

Coefficient of Utilization



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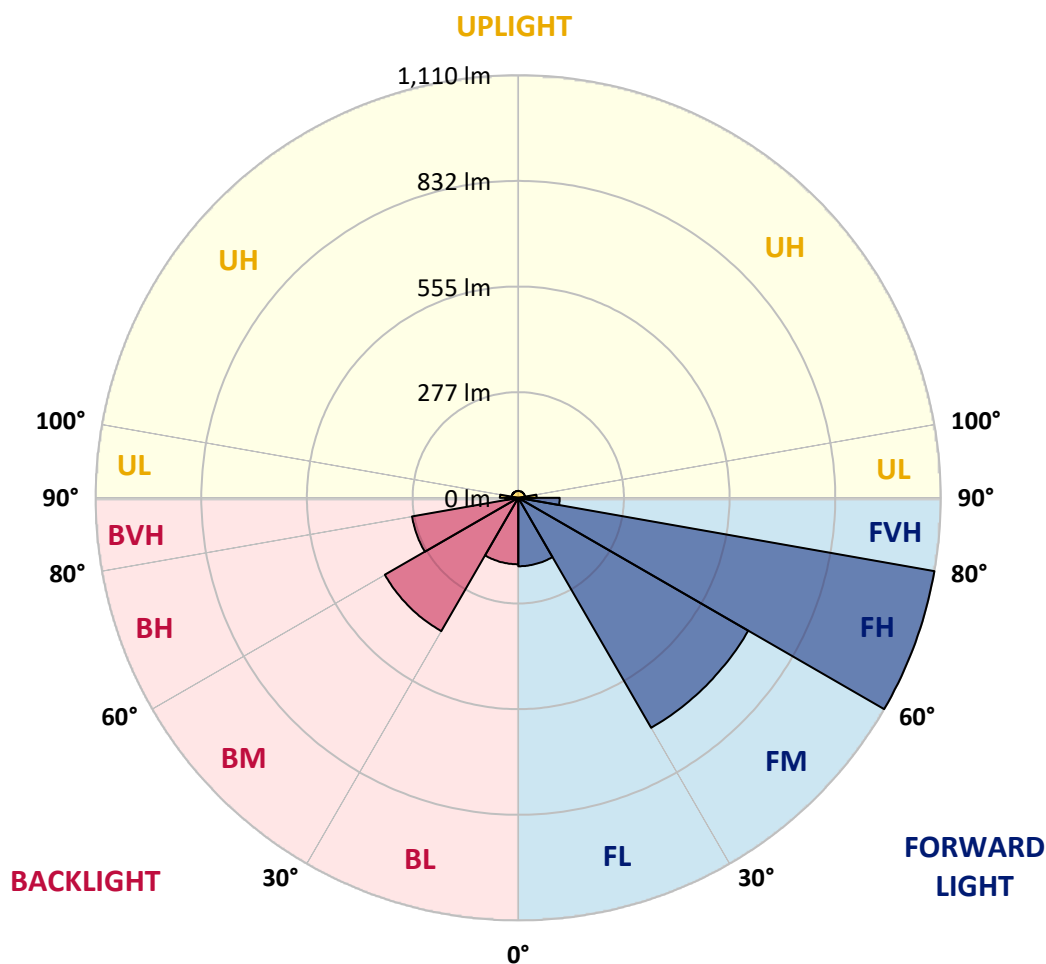
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	179.7	5.9			
FM	(30°-60°)	697.4	22.8			
FH	(60°-80°)	1109.7	36.3			G1/1800
FVH	(80°-90°)	108.8	3.6			G2/225
BL	(0°-30°)	174.6	5.7	B1/500		
BM	(30°-60°)	404.4	13.2	B1/1000		
BH	(60°-80°)	283.3	9.3	B1/500		G1/500
BVH	(80°-90°)	33.9	1.1			G1/100
UL	(90°-100°)	48.2	1.6		U2/50	
UH	(100°-180°)	18.0	0.6		U2/50	

BUG Rating: B1-U2-G2

Type IV Short





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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	7.9	7.9	7.9	7.9	7.9	7.9	6.3	6.3	4.7	4.7	4.7
115°	7.9	7.9	7.9	7.9	6.3	6.3	4.7	4.7	4.7	4.7	3.2
117.5°	6.3	6.3	6.3	6.3	6.3	4.7	4.7	4.7	4.7	3.2	4.7
120°	6.3	6.3	6.3	6.3	4.7	4.7	4.7	3.2	3.2	3.2	3.2
122.5°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	3.2	3.2	3.2	3.2
125°	4.7	4.7	4.7	4.7	4.7	3.2	3.2	3.2	3.2	3.2	3.2
127.5°	4.7	4.7	3.2	4.7	3.2	3.2	3.2	3.2	3.2	1.6	3.2
130°	4.7	4.7	3.2	3.2	3.2	3.2	3.2	3.2	1.6	1.6	1.6
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°	425.5	425.5	425.5	425.5	425.5	425.5	425.5	425.5	425.5	425.5
2.5°	422.3	422.3	423.9	422.3	422.3	419.1	417.6	416.0	416.0	416.0
5°	420.7	420.7	419.1	416.0	414.4	411.2	408.1	406.5	404.9	406.5
7.5°	417.6	414.4	411.2	404.9	400.2	398.6	392.2	390.7	390.7	390.7
10°	411.2	408.1	400.2	392.2	389.1	384.3	379.6	374.8	376.4	378.0
12.5°	409.6	401.7	395.4	387.5	382.8	374.8	373.3	368.5	366.9	366.9
15°	411.2	404.9	397.0	390.7	384.3	381.2	374.8	373.3	368.5	371.7
17.5°	417.6	408.1	401.7	395.4	389.1	385.9	381.2	378.0	379.6	379.6
20°	423.9	414.4	408.1	403.3	397.0	392.2	390.7	387.5	389.1	385.9
22.5°	433.4	423.9	419.1	412.8	408.1	404.9	401.7	403.3	400.2	401.7
25°	446.0	438.1	431.8	427.0	422.3	419.1	419.1	419.1	417.6	419.1
27.5°	463.4	455.5	450.8	447.6	442.9	439.7	436.5	438.1	439.7	438.1
30°	479.2	469.7	468.2	465.0	461.8	460.3	460.3	460.3	460.3	463.4
32.5°	504.5	495.1	491.9	491.9	488.7	487.1	485.6	488.7	490.3	488.7
35°	544.1	531.4	528.3	526.7	525.1	525.1	526.7	526.7	526.7	526.7
37.5°	593.1	575.7	572.6	571.0	571.0	571.0	569.4	571.0	575.7	577.3
40°	615.3	604.2	608.9	616.8	621.6	621.6	620.0	623.2	627.9	627.9
42.5°	498.2	474.5	491.9	523.5	544.1	569.4	574.1	590.0	602.6	602.6
45°	404.9	306.8	313.2	333.7	343.2	365.4	378.0	392.2	400.2	389.1
47.5°	455.5	197.7	162.9	169.2	145.5	175.6	196.1	218.3	223.0	227.8
50°	714.9	204.0	137.6	99.6	66.4	88.6	93.3	106.0	102.8	104.4
52.5°	868.3	234.1	137.6	88.6	55.4	58.5	53.8	60.1	63.3	69.6
55°	974.3	281.5	178.7	112.3	64.8	39.5	26.9	20.6	19.0	19.0
57.5°	1024.9	344.8	232.5	159.7	101.2	55.4	23.7	17.4	15.8	14.2
60°	1072.4	412.8	294.2	218.3	159.7	98.1	44.3	17.4	14.2	14.2
62.5°	1115.1	480.8	355.9	283.1	224.6	153.4	82.2	30.1	15.8	15.8
65°	1149.9	495.1	360.6	306.8	242.0	180.3	107.6	36.4	17.4	17.4
67.5°	1159.3	471.3	348.0	281.5	226.2	153.4	83.8	30.1	20.6	19.0
70°	1096.1	447.6	349.5	267.3	204.0	136.0	55.4	34.8	26.9	25.3
72.5°	991.7	414.4	332.1	259.4	196.1	137.6	64.8	56.9	50.6	47.4
75°	873.1	374.8	306.8	248.3	189.8	132.9	75.9	71.2	64.8	63.3
77.5°	700.7	311.6	257.8	210.4	159.7	106.0	63.3	60.1	52.2	52.2
80°	460.3	232.5	194.5	161.3	121.8	74.3	47.4	42.7	38.0	36.4
82.5°	188.2	136.0	117.0	101.2	79.1	47.4	31.6	26.9	22.1	20.6
85°	91.7	68.0	58.5	47.4	39.5	26.9	20.6	17.4	12.7	12.7
87.5°	74.3	53.8	44.3	36.4	26.9	19.0	14.2	11.1	7.9	6.3
90°	68.0	47.4	38.0	30.1	22.1	15.8	9.5	7.9	4.7	3.2
92.5°	61.7	41.1	33.2	23.7	17.4	12.7	6.3	4.7	3.2	3.2
95°	50.6	31.6	25.3	19.0	14.2	9.5	6.3	3.2	1.6	1.6
97.5°	36.4	23.7	19.0	14.2	11.1	6.3	4.7	3.2	1.6	1.6
100°	25.3	15.8	14.2	11.1	7.9	4.7	3.2	1.6	1.6	1.6
102.5°	12.7	9.5	9.5	7.9	6.3	4.7	1.6	1.6	0.0	0.0
105°	7.9	6.3	6.3	4.7	3.2	3.2	1.6	1.6	0.0	0.0
107.5°	4.7	4.7	4.7	3.2	3.2	1.6	1.6	0.0	0.0	0.0
110°	4.7	3.2	3.2	3.2	1.6	1.6	1.6	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°	3.2	3.2	3.2	1.6	1.6	1.6	1.6	0.0	0.0	0.0
115°	3.2	3.2	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0
117.5°	3.2	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0
120°	3.2	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0
122.5°	3.2	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0
125°	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0
127.5°	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0
130°	1.6	1.6	1.6	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)