

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: P690987

Luminaire Tested: **CRTK2-C01-D-U-T5R-7030-SR-CARETAKER**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P690987
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-21)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C01-D-U-T5R-7030-SR-CARETAKER
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K LED WITH TYPE V ROUND OPTIC AND SR REFRACTOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8854 lumens
Efficiency: N/A
Efficacy: 145.1 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.29')
IES Classification: Type V - Short
BUG Rating: B3 - U3 - G3

Input Watts (W): 61
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



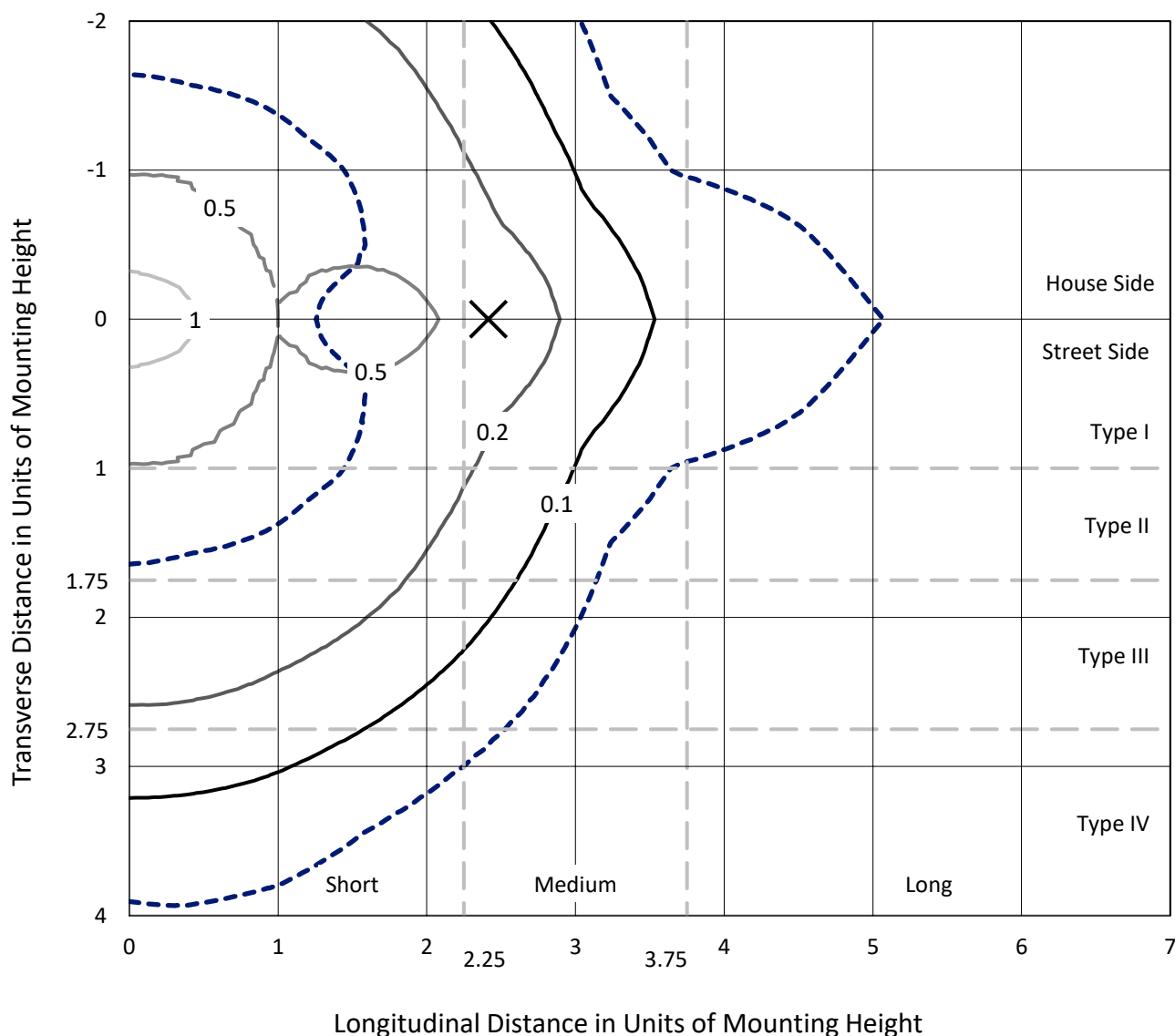
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd



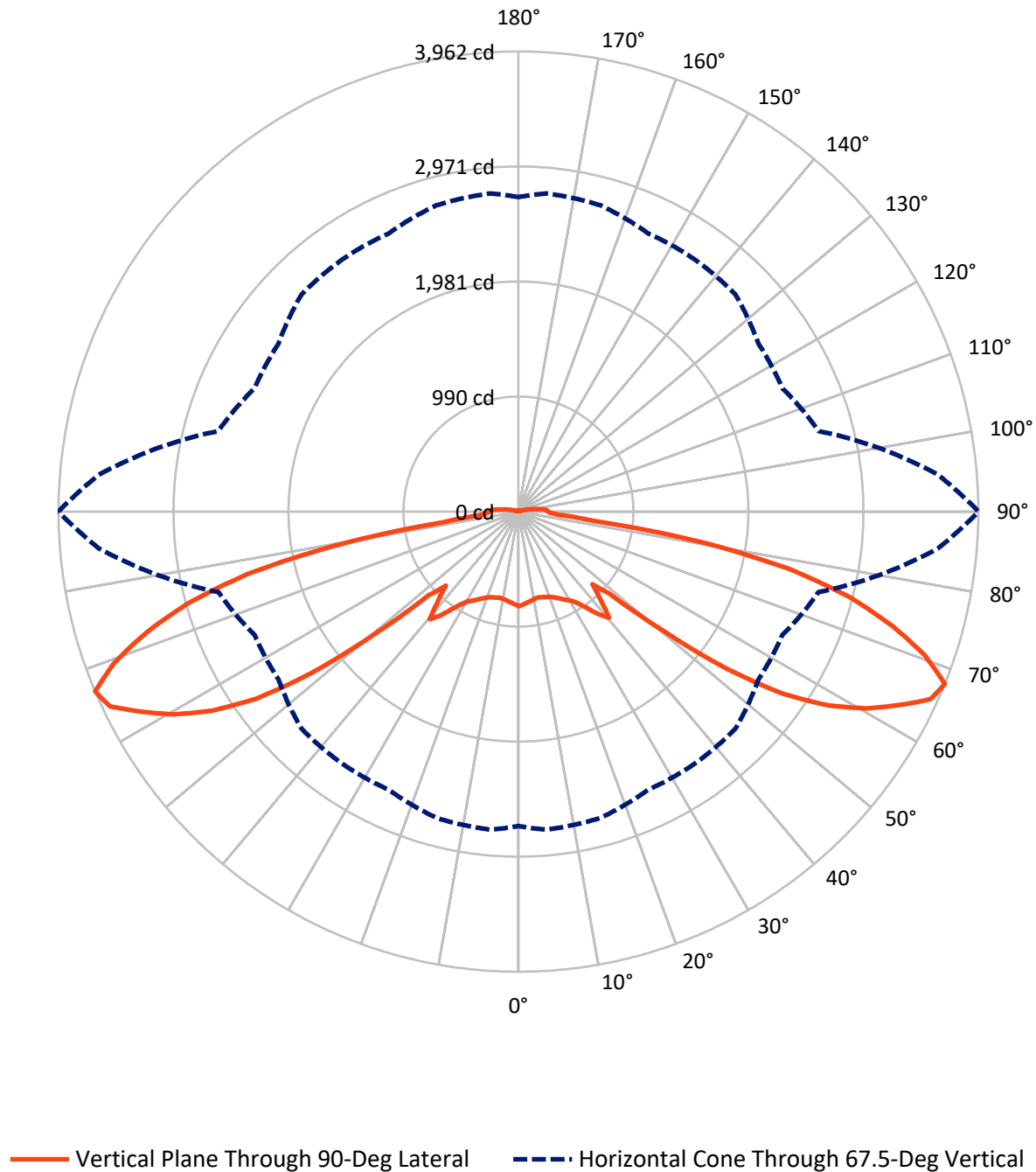
Based on 25 foot mounting height. Maximum calculated value = 1.3 fc

Type V - Short - N/A

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Luminous Intensity Polar Plot



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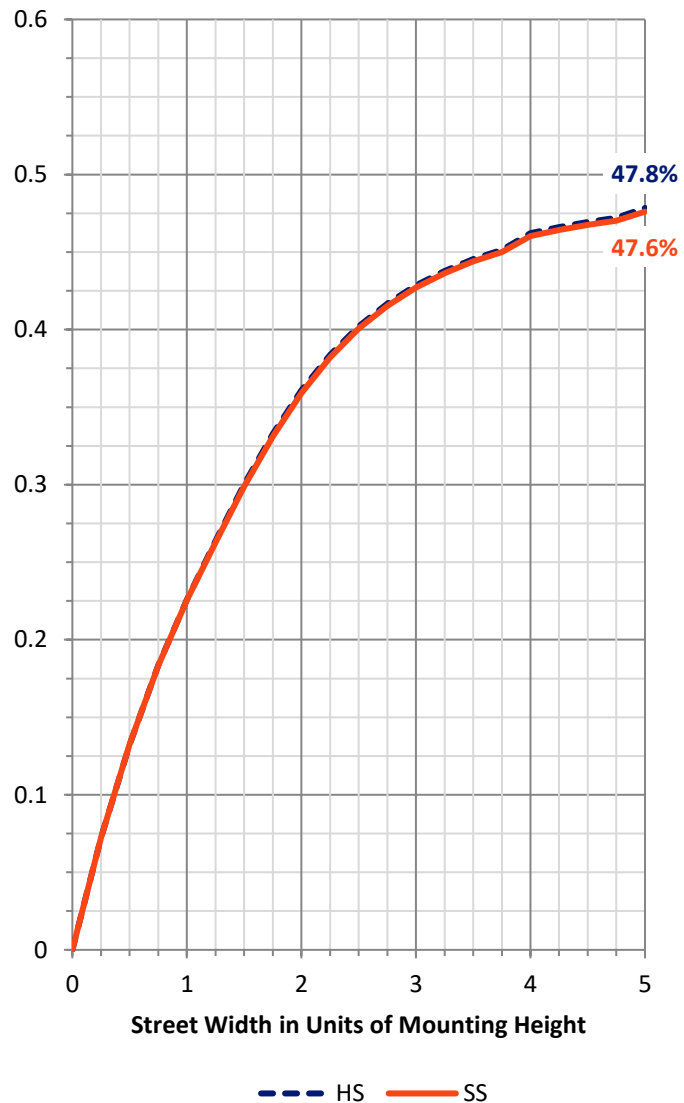
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4298.7	128.2	4427.0
	% Fixture	48.6	1.4	50.0
Street Side	Lumens	4298.7	128.2	4427.0
	% Fixture	48.6	1.4	50.0
Total	Lumens	8597.5	256.5	8854.0
	% Fixture	97.1	2.9	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	73.7	0.8
10°-20°	210.1	2.4
20°-30°	371.9	4.2
30°-40°	627.4	7.1
40°-50°	703.2	7.9
50°-60°	1455.9	16.4
60°-70°	2562.5	28.9
70°-80°	2117.7	23.9
80°-90°	475.1	5.4
90°-100°	181.6	2.1
100°-110°	51.4	0.6
110°-120°	15.7	0.2
120°-130°	7.2	0.1
130°-140°	0.6	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°	8597.5	97.1
0°-180°	8854.0	100.0

Coefficient of Utilization



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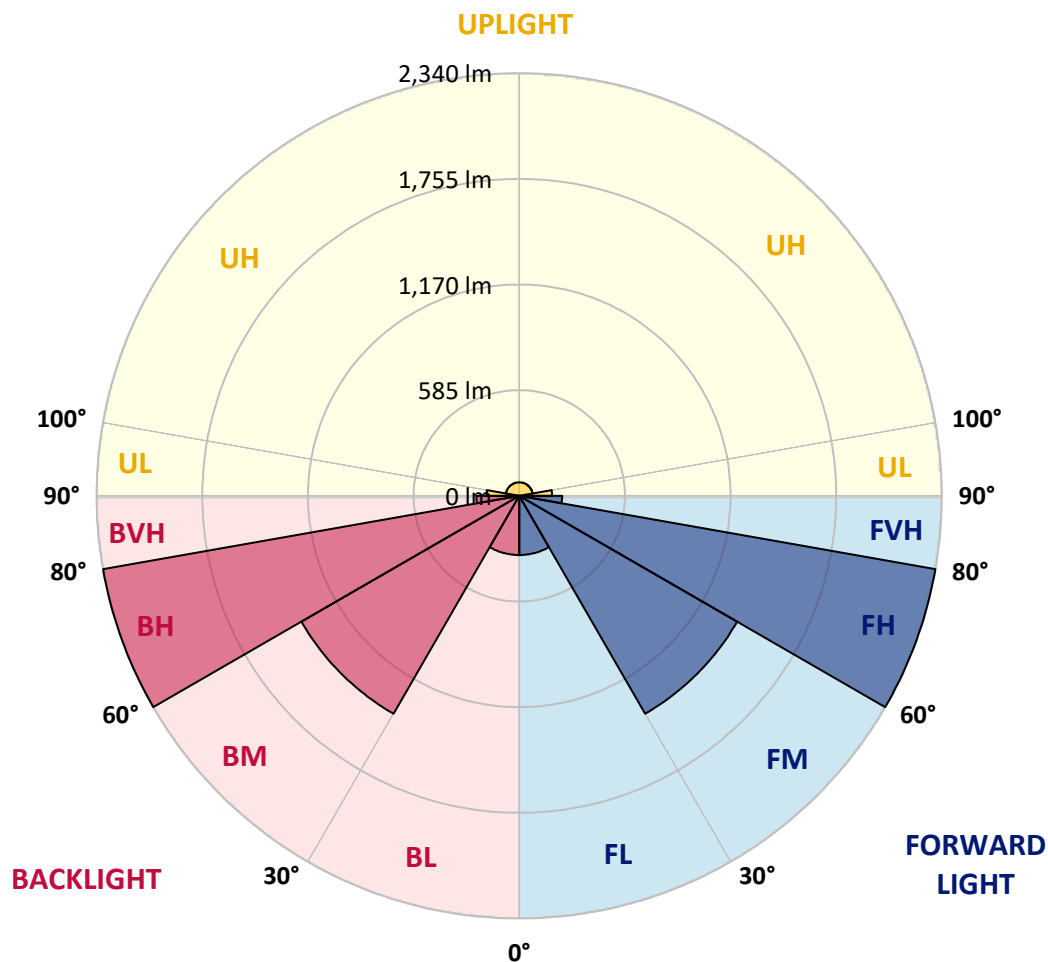
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	327.8	3.7			
FM	(30°-60°)	1393.3	15.7			
FH	(60°-80°)	2340.1	26.4			G2/5000
FVH	(80°-90°)	237.5	2.7			G3/500
BL	(0°-30°)	327.8	3.7	B1/500		
BM	(30°-60°)	1393.3	15.7	B2/2500		
BH	(60°-80°)	2340.1	26.4	B3/2500		G2/5000
BVH	(80°-90°)	237.5	2.7			G3/500
UL	(90°-100°)	181.6	2.1		U3/500	
UH	(100°-180°)	74.9	0.8		U3/500	

BUG Rating: B3-U3-G3

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	814.7	814.7	814.7	814.7	814.7	814.7	814.7	814.7	814.7	814.7	814.7
2.5°	806.3	806.3	800.7	797.9	800.7	803.5	806.3	806.3	803.5	800.7	800.7
5°	792.3	789.5	786.7	783.9	783.9	789.5	789.5	792.3	789.5	786.7	786.7
7.5°	755.9	755.9	753.1	750.3	755.9	761.5	769.9	772.7	775.5	775.5	775.5
10°	730.7	730.7	727.9	727.9	733.5	741.9	750.3	758.7	761.5	764.3	764.3
12.5°	716.7	716.7	716.7	713.9	722.3	730.7	744.7	750.3	755.9	758.7	758.7
15°	716.7	713.9	713.9	716.7	722.3	733.5	744.7	755.9	761.5	764.3	764.3
17.5°	722.3	719.5	719.5	719.5	727.9	739.1	753.1	761.5	769.9	772.7	772.7
20°	730.7	730.7	730.7	730.7	736.3	750.3	764.3	772.7	781.1	783.9	783.9
22.5°	753.1	753.1	750.3	747.5	753.1	764.3	781.1	789.5	797.9	803.5	803.5
25°	781.1	778.3	778.3	775.5	775.5	786.7	800.7	811.9	823.1	828.7	828.7
27.5°	814.7	811.9	811.9	806.3	806.3	820.3	831.5	842.7	853.9	859.5	859.5
30°	851.1	853.9	848.3	845.5	842.7	853.9	865.1	873.5	881.9	887.5	887.5
32.5°	909.9	909.9	904.3	901.5	898.7	907.1	912.7	918.3	926.7	937.9	940.7
35°	982.7	979.9	979.9	979.9	979.9	985.5	991.1	988.3	1005.1	1016.3	1021.9
37.5°	1077.9	1080.7	1075.1	1069.5	1066.7	1072.3	1077.9	1086.3	1103.1	1117.1	1119.9
40°	1061.1	1055.5	1061.1	1072.3	1075.1	1100.3	1125.5	1145.1	1173.1	1198.3	1201.1
42.5°	951.9	960.3	968.7	968.7	965.9	965.9	968.7	971.5	999.5	1035.9	1035.9
45°	781.1	786.7	797.9	792.3	767.1	755.9	761.5	769.9	800.7	890.3	893.1
47.5°	828.7	839.9	851.1	817.5	786.7	739.1	733.5	727.9	764.3	1013.5	1055.5
50°	977.1	977.1	991.1	963.1	951.9	923.9	907.1	912.7	991.1	1509.1	1601.5
52.5°	1271.1	1265.5	1299.1	1265.5	1254.3	1195.5	1131.1	1164.7	1245.9	2063.4	2253.8
55°	1542.7	1548.3	1581.9	1548.3	1517.5	1464.3	1377.5	1436.3	1545.5	2500.2	2771.8
57.5°	1836.7	1845.1	1884.3	1819.9	1758.3	1730.3	1649.1	1710.7	1831.1	2783.0	3147.0
60°	2141.8	2150.2	2169.8	2088.6	2032.6	2018.7	1926.3	1993.5	2139.0	3032.2	3440.9
62.5°	2433.0	2441.4	2430.2	2351.8	2318.2	2321.0	2231.4	2279.0	2435.8	3323.4	3670.5
65°	2617.8	2654.2	2645.8	2559.0	2547.8	2559.0	2463.8	2469.4	2631.8	3550.1	3897.3
67.5°	2707.4	2749.4	2729.8	2643.0	2648.6	2643.0	2522.6	2508.6	2676.6	3628.5	3961.7
70°	2617.8	2617.8	2603.8	2528.2	2525.4	2503.0	2413.4	2391.0	2522.6	3412.9	3715.3
72.5°	2399.4	2399.4	2388.2	2301.4	2284.6	2267.8	2214.6	2175.4	2290.2	3065.8	3368.2
75°	2083.0	2108.2	2094.2	2007.5	1987.9	1976.7	1940.3	1901.1	2004.7	2696.2	2951.0
77.5°	1665.9	1693.9	1677.1	1612.7	1595.9	1601.5	1576.3	1553.9	1629.5	2161.4	2396.6
80°	1117.1	1142.3	1111.5	1080.7	1055.5	1080.7	1069.5	1058.3	1100.3	1377.5	1612.7
82.5°	504.0	509.6	509.6	478.8	459.2	498.4	504.0	512.4	537.6	599.2	658.0
85°	308.0	310.8	305.2	296.8	285.6	294.0	291.2	296.8	308.0	327.6	338.8
87.5°	263.2	263.2	263.2	254.8	246.4	246.4	243.6	246.4	249.2	266.0	271.6
90°	232.4	232.4	232.4	226.8	221.2	221.2	224.0	221.2	226.8	243.6	252.0
92.5°	196.0	198.8	204.4	204.4	204.4	207.2	207.2	207.2	210.0	235.2	243.6
95°	145.6	142.8	154.0	162.4	165.2	170.8	170.8	170.8	176.4	198.8	207.2
97.5°	106.4	106.4	112.0	117.6	123.2	128.8	131.6	131.6	137.2	154.0	156.8
100°	75.6	75.6	81.2	86.8	89.6	98.0	100.8	100.8	100.8	112.0	112.0
102.5°	56.0	53.2	58.8	61.6	64.4	67.2	70.0	70.0	70.0	72.8	72.8
105°	33.6	33.6	36.4	39.2	42.0	42.0	44.8	44.8	42.0	42.0	42.0
107.5°	22.4	22.4	25.2	28.0	28.0	30.8	30.8	30.8	30.8	30.8	30.8
110°	16.8	16.8	19.6	22.4	22.4	25.2	25.2	25.2	25.2	22.4	22.4



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	14.0	14.0	16.8	16.8	19.6	19.6	19.6	19.6	19.6	19.6	19.6
115°	11.2	11.2	14.0	14.0	14.0	16.8	16.8	16.8	16.8	16.8	16.8
117.5°	8.4	8.4	11.2	11.2	14.0	14.0	14.0	14.0	14.0	14.0	14.0
120°	8.4	8.4	8.4	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2
122.5°	5.6	5.6	8.4	8.4	8.4	8.4	8.4	8.4	8.4	11.2	11.2
125°	5.6	5.6	5.6	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4
127.5°	5.6	5.6	5.6	5.6	8.4	8.4	8.4	8.4	8.4	8.4	8.4
130°	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	8.4	8.4
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

(END OF REPORT)