

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: P691907

Luminaire Tested: **CRTK2-C01H-D-U-T5R-7030-SR-CARETAKER**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691907
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-C01H-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: 9921 lumens
Efficiency: N/A
Efficacy: 141.3 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.29')
IES Classification: Type V - Short
BUG Rating: B4 - U3 - G3

Input Watts (W): 70.2
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



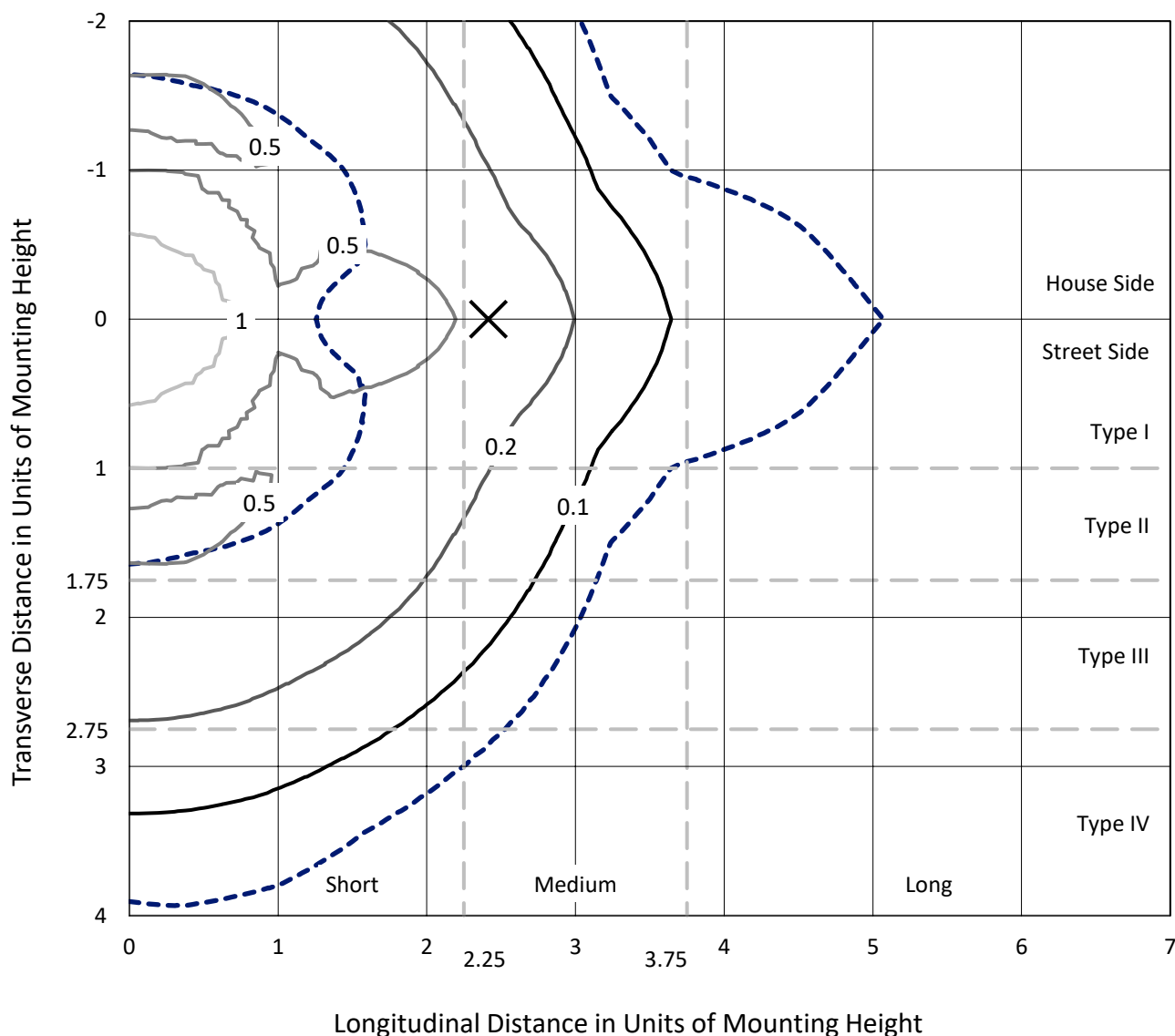
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd



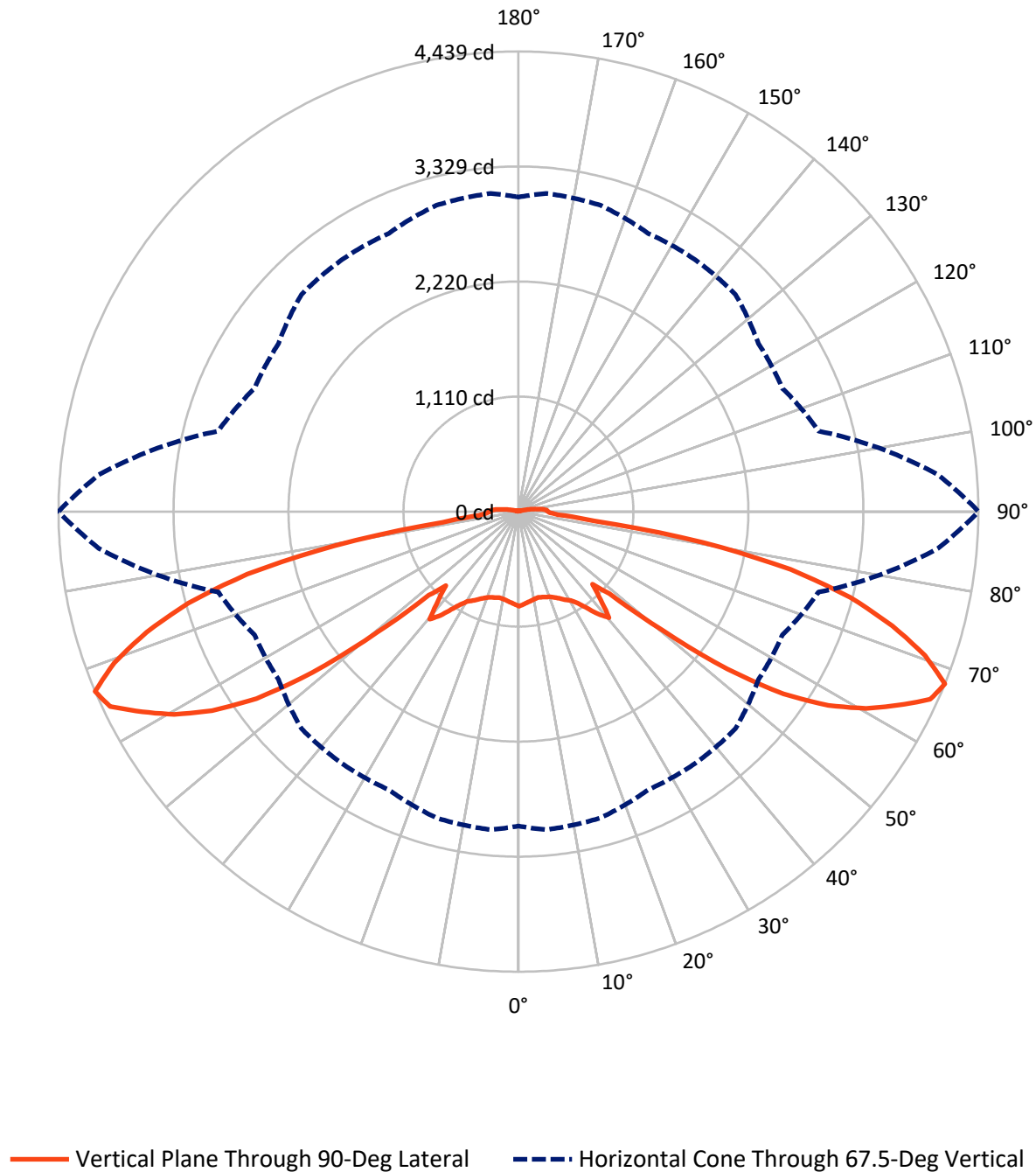
Based on 25 foot mounting height. Maximum calculated value = 1.5 fc

Type V - Short - N/A

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Luminous Intensity Polar Plot



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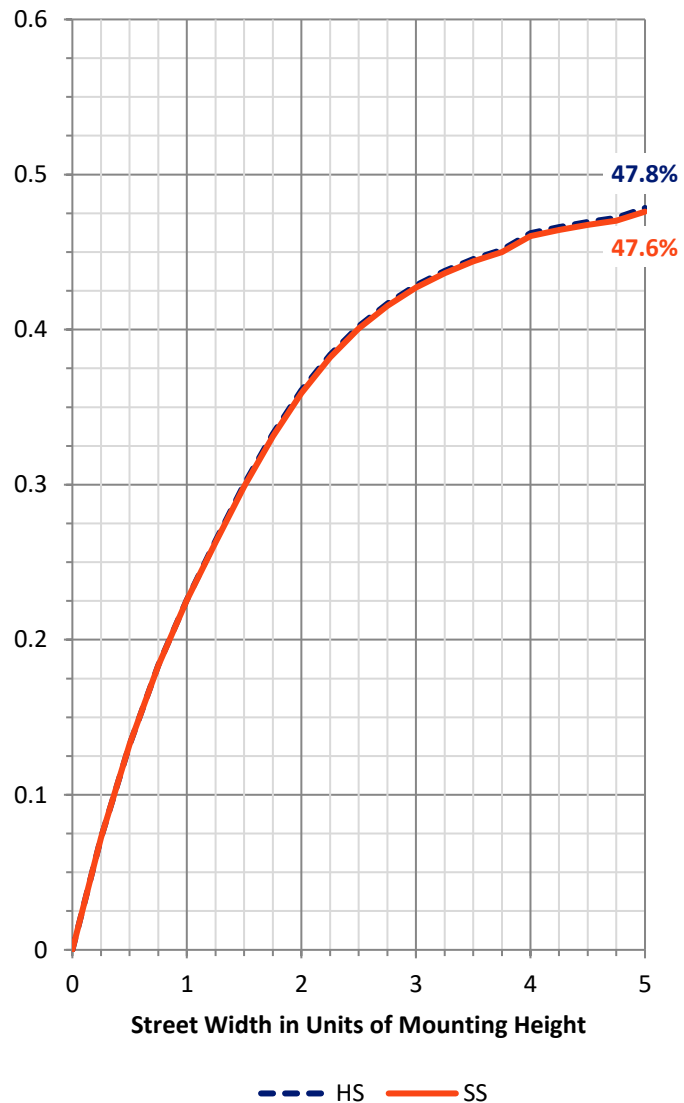
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4816.8	143.7	4960.5
	% Fixture	48.6	1.4	50.0
Street Side	Lumens	4816.8	143.7	4960.5
	% Fixture	48.6	1.4	50.0
Total	Lumens	9633.6	287.4	9921.0
	% Fixture	97.1	2.9	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	82.6	0.8
10°-20°	235.4	2.4
20°-30°	416.8	4.2
30°-40°	703.1	7.1
40°-50°	788.0	7.9
50°-60°	1631.4	16.4
60°-70°	2871.3	28.9
70°-80°	2372.9	23.9
80°-90°	532.3	5.4
90°-100°	203.5	2.1
100°-110°	57.5	0.6
110°-120°	17.6	0.2
120°-130°	8.0	0.1
130°-140°	0.7	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°	9633.6	97.1
0°-180°	9921.0	100.0

Coefficient of Utilization



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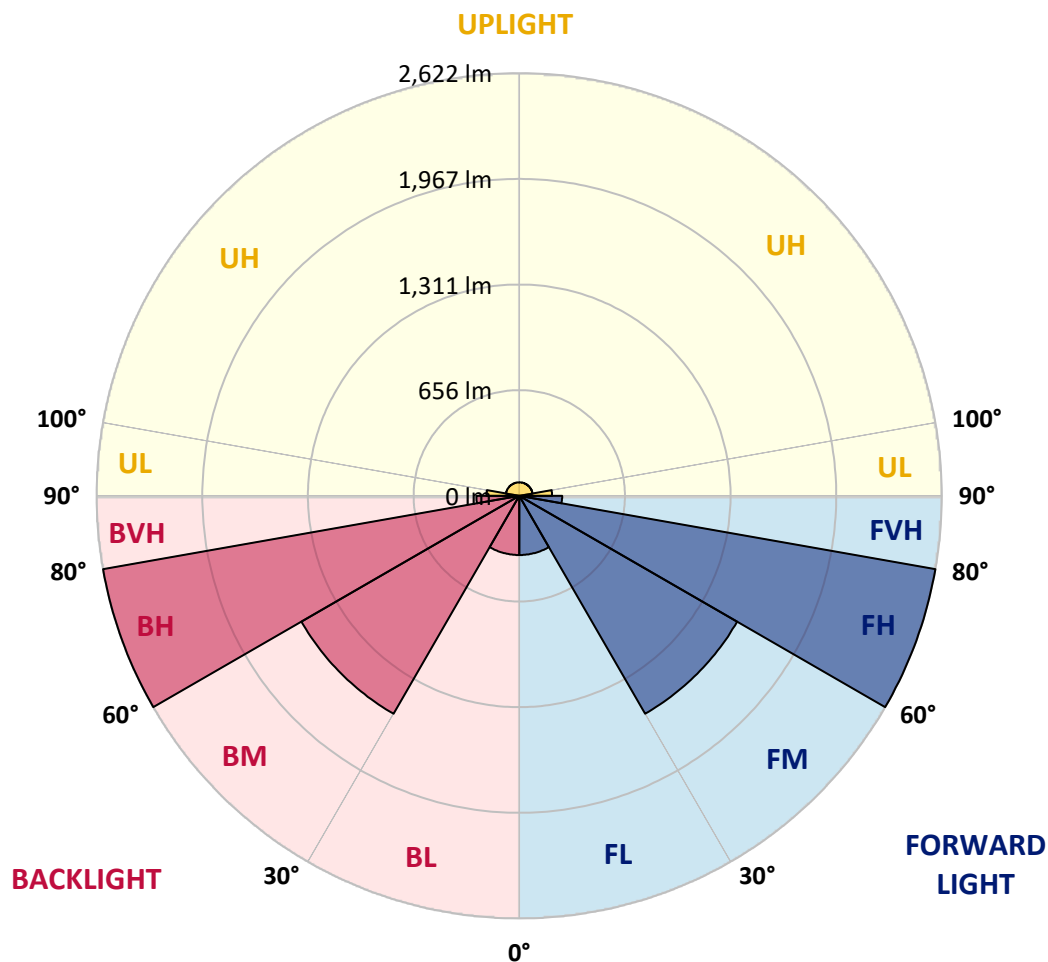
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	367.4	3.7			
FM	(30°-60°)	1561.2	15.7			
FH	(60°-80°)	2622.1	26.4			G2/5000
FVH	(80°-90°)	266.2	2.7			G3/500
BL	(0°-30°)	367.4	3.7	B1/500		
BM	(30°-60°)	1561.2	15.7	B2/2500		
BH	(60°-80°)	2622.1	26.4	B4/5000		G2/5000
BVH	(80°-90°)	266.2	2.7			G3/500
UL	(90°-100°)	203.5	2.1		U3/500	
UH	(100°-180°)	83.9	0.8		U3/500	

BUG Rating: B4-U3-G3

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	912.9	912.9	912.9	912.9	912.9	912.9	912.9	912.9	912.9	912.9	912.9
2.5°	903.5	903.5	897.2	894.1	897.2	900.4	903.5	903.5	900.4	897.2	897.2
5°	887.8	884.7	881.6	878.4	878.4	884.7	884.7	887.8	884.7	881.6	881.6
7.5°	847.0	847.0	843.9	840.8	847.0	853.3	862.7	865.9	869.0	869.0	869.0
10°	818.8	818.8	815.7	815.7	821.9	831.4	840.8	850.2	853.3	856.5	856.5
12.5°	803.1	803.1	803.1	800.0	809.4	818.8	834.5	840.8	847.0	850.2	850.2
15°	803.1	800.0	800.0	803.1	809.4	821.9	834.5	847.0	853.3	856.5	856.5
17.5°	809.4	806.3	806.3	806.3	815.7	828.2	843.9	853.3	862.7	865.9	865.9
20°	818.8	818.8	818.8	818.8	825.1	840.8	856.5	865.9	875.3	878.4	878.4
22.5°	843.9	843.9	840.8	837.6	843.9	856.5	875.3	884.7	894.1	900.4	900.4
25°	875.3	872.1	872.1	869.0	869.0	881.6	897.2	909.8	922.3	928.6	928.6
27.5°	912.9	909.8	909.8	903.5	903.5	919.2	931.7	944.3	956.8	963.1	963.1
30°	953.7	956.8	950.6	947.4	944.3	956.8	969.4	978.8	988.2	994.5	994.5
32.5°	1019.6	1019.6	1013.3	1010.2	1007.0	1016.5	1022.7	1029.0	1038.4	1051.0	1054.1
35°	1101.2	1098.0	1098.0	1098.0	1098.0	1104.3	1110.6	1107.4	1126.3	1138.8	1145.1
37.5°	1207.8	1211.0	1204.7	1198.4	1195.3	1201.5	1207.8	1217.2	1236.1	1251.7	1254.9
40°	1189.0	1182.7	1189.0	1201.5	1204.7	1232.9	1261.2	1283.1	1314.5	1342.7	1345.9
42.5°	1066.6	1076.1	1085.5	1085.5	1082.3	1082.3	1085.5	1088.6	1120.0	1160.8	1160.8
45°	875.3	881.6	894.1	887.8	859.6	847.0	853.3	862.7	897.2	997.6	1000.8
47.5°	928.6	941.2	953.7	916.1	881.6	828.2	821.9	815.7	856.5	1135.7	1182.7
50°	1094.9	1094.9	1110.6	1079.2	1066.6	1035.3	1016.5	1022.7	1110.6	1690.9	1794.5
52.5°	1424.3	1418.0	1455.7	1418.0	1405.5	1339.6	1267.4	1305.1	1396.1	2312.1	2525.4
55°	1728.6	1734.9	1772.5	1734.9	1700.4	1640.8	1543.5	1609.4	1731.7	2801.5	3105.8
57.5°	2058.0	2067.4	2111.3	2039.2	1970.2	1938.8	1847.8	1916.8	2051.7	3118.4	3526.2
60°	2400.0	2409.4	2431.3	2340.3	2277.6	2261.9	2158.4	2233.7	2396.8	3397.6	3855.6
62.5°	2726.2	2735.6	2723.1	2635.2	2597.6	2600.7	2500.3	2553.7	2729.4	3723.9	4112.9
65°	2933.3	2974.1	2964.7	2867.4	2854.8	2867.4	2760.7	2767.0	2949.0	3978.0	4367.0
67.5°	3033.7	3080.7	3058.8	2961.5	2967.8	2961.5	2826.6	2810.9	2999.2	4065.8	4439.1
70°	2933.3	2933.3	2917.6	2832.9	2829.8	2804.7	2704.3	2679.2	2826.6	3824.2	4163.1
72.5°	2688.6	2688.6	2676.0	2578.8	2560.0	2541.1	2481.5	2437.6	2566.2	3435.2	3774.0
75°	2334.1	2362.3	2346.6	2249.4	2227.4	2214.9	2174.1	2130.2	2246.2	3021.1	3306.6
77.5°	1866.6	1898.0	1879.2	1807.0	1788.2	1794.5	1766.2	1741.1	1825.8	2421.9	2685.4
80°	1251.7	1280.0	1245.5	1211.0	1182.7	1211.0	1198.4	1185.9	1232.9	1543.5	1807.0
82.5°	564.7	571.0	571.0	536.5	514.5	558.4	564.7	574.1	602.3	671.4	737.2
85°	345.1	348.2	342.0	332.5	320.0	329.4	326.3	332.5	345.1	367.1	379.6
87.5°	294.9	294.9	294.9	285.5	276.1	276.1	272.9	276.1	279.2	298.0	304.3
90°	260.4	260.4	260.4	254.1	247.8	247.8	251.0	247.8	254.1	272.9	282.3
92.5°	219.6	222.7	229.0	229.0	229.0	232.2	232.2	232.2	235.3	263.5	272.9
95°	163.1	160.0	172.5	182.0	185.1	191.4	191.4	191.4	197.6	222.7	232.2
97.5°	119.2	119.2	125.5	131.8	138.0	144.3	147.4	147.4	153.7	172.5	175.7
100°	84.7	84.7	91.0	97.3	100.4	109.8	112.9	112.9	112.9	125.5	125.5
102.5°	62.7	59.6	65.9	69.0	72.2	75.3	78.4	78.4	78.4	81.6	81.6
105°	37.6	37.6	40.8	43.9	47.1	47.1	50.2	50.2	47.1	47.1	47.1
107.5°	25.1	25.1	28.2	31.4	31.4	34.5	34.5	34.5	34.5	34.5	34.5
110°	18.8	18.8	22.0	25.1	25.1	28.2	28.2	28.2	28.2	25.1	25.1



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	15.7	15.7	18.8	18.8	22.0	22.0	22.0	22.0	22.0	22.0	22.0
115°	12.5	12.5	15.7	15.7	15.7	18.8	18.8	18.8	18.8	18.8	18.8
117.5°	9.4	9.4	12.5	12.5	15.7	15.7	15.7	15.7	15.7	15.7	15.7
120°	9.4	9.4	9.4	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5
122.5°	6.3	6.3	9.4	9.4	9.4	9.4	9.4	9.4	9.4	12.5	12.5
125°	6.3	6.3	6.3	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4
127.5°	6.3	6.3	6.3	6.3	9.4	9.4	9.4	9.4	9.4	9.4	9.4
130°	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	9.4	9.4
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)