

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: P691822

Luminaire Tested: **CRTK2-C01H-5TLD-U-T5R-7040-SR-CARETAKER**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691822
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-5TLD-U-T5R-7040-SR-CARETAKER
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 4000K LED WITH TYPE V ROUND OPTIC AND SR REFRACTOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10573 lumens
Efficiency: N/A
Efficacy: 141.2 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): 74.9
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

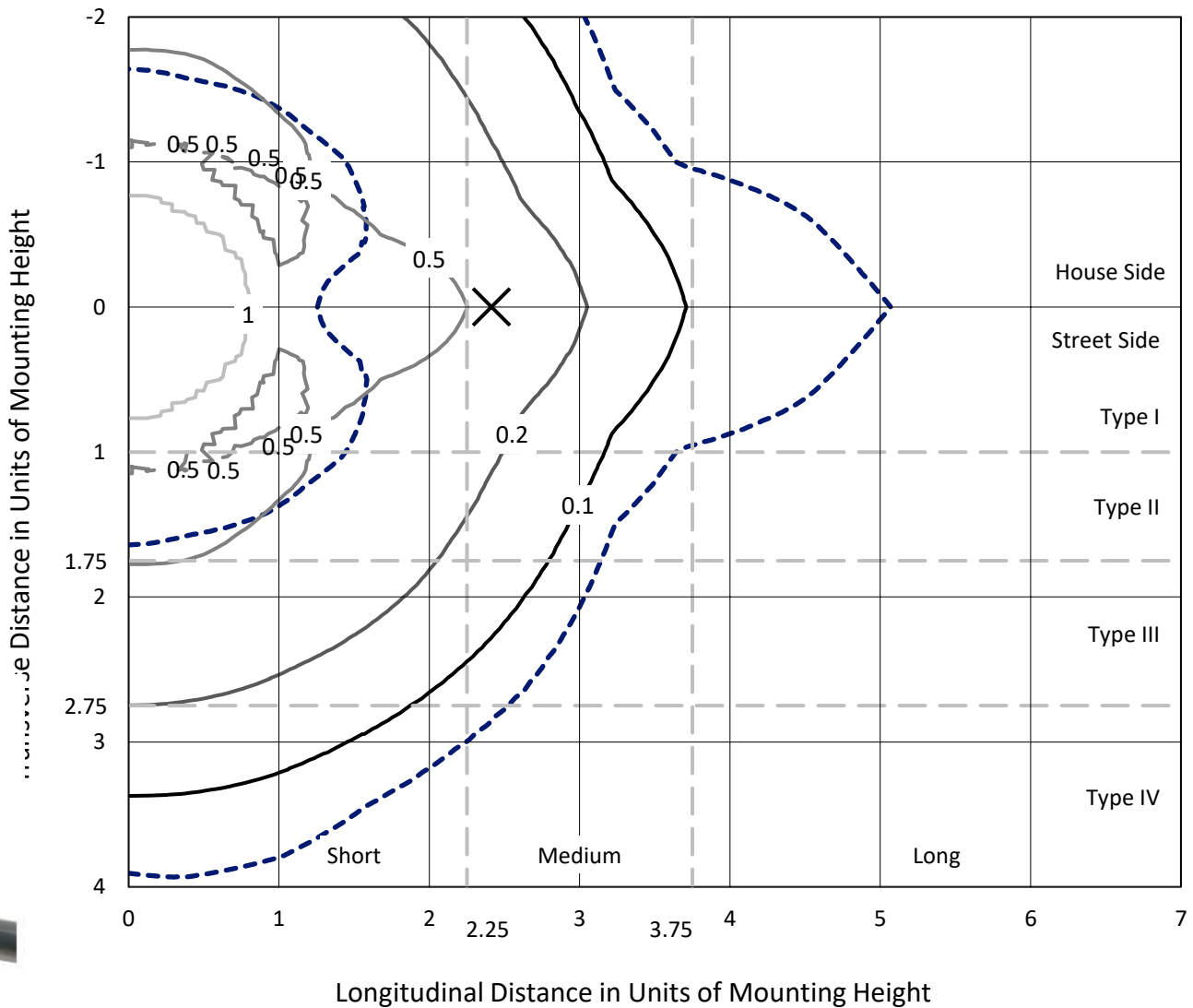


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 --- 1/2 Max cd

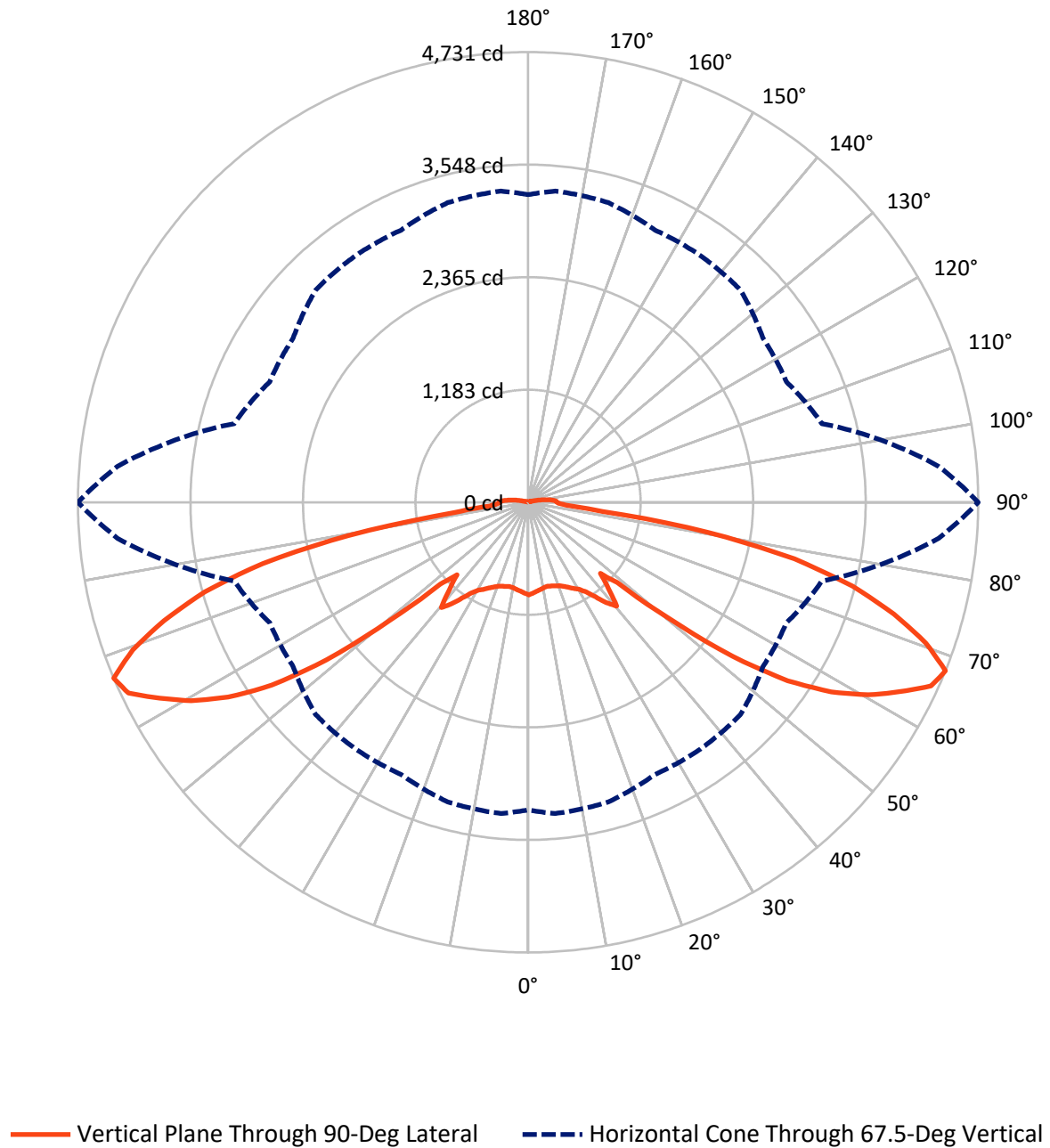


Based on 25 foot mounting height. Maximum calculated value = 1.6 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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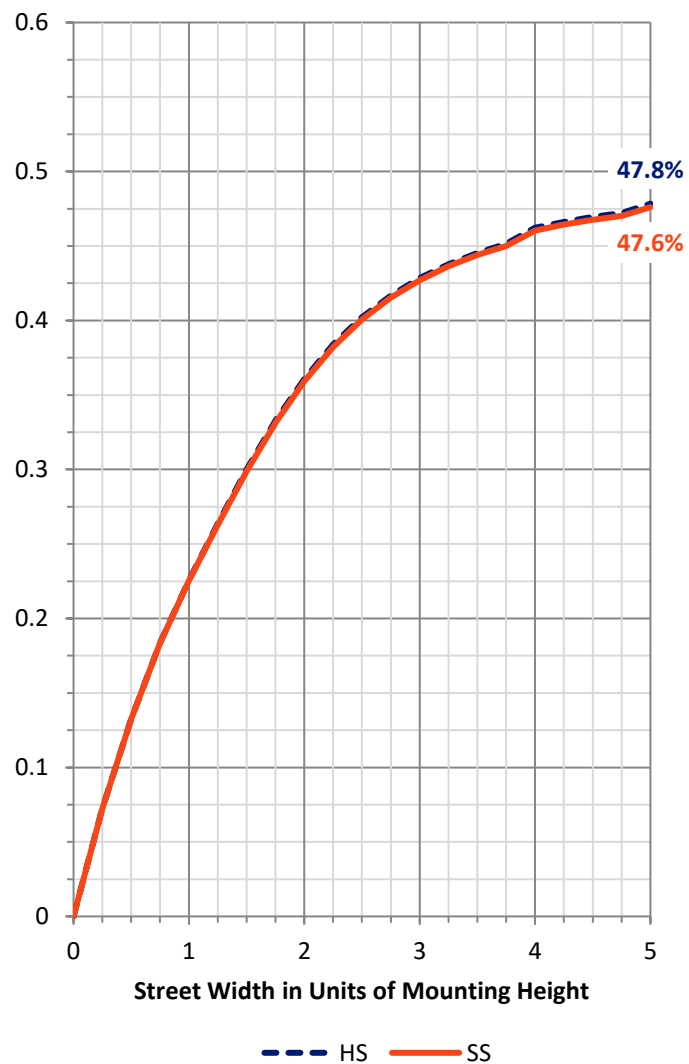
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5133.4	153.1	5286.5
	% Fixture	48.6	1.4	50.0
Street Side	Lumens	5133.4	153.1	5286.5
	% Fixture	48.6	1.4	50.0
Total	Lumens	10266.7	306.3	10573.0
	% Fixture	97.1	2.9	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	88.0	0.8
10°-20°	250.9	2.4
20°-30°	444.1	4.2
30°-40°	749.3	7.1
40°-50°	839.8	7.9
50°-60°	1738.6	16.4
60°-70°	3060.0	28.9
70°-80°	2528.8	23.9
80°-90°	567.3	5.4
90°-100°	216.9	2.1
100°-110°	61.3	0.6
110°-120°	18.8	0.2
120°-130°	8.6	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°	10266.7	97.1
0°-180°	10573.0	100.0

Coefficient of Utilization



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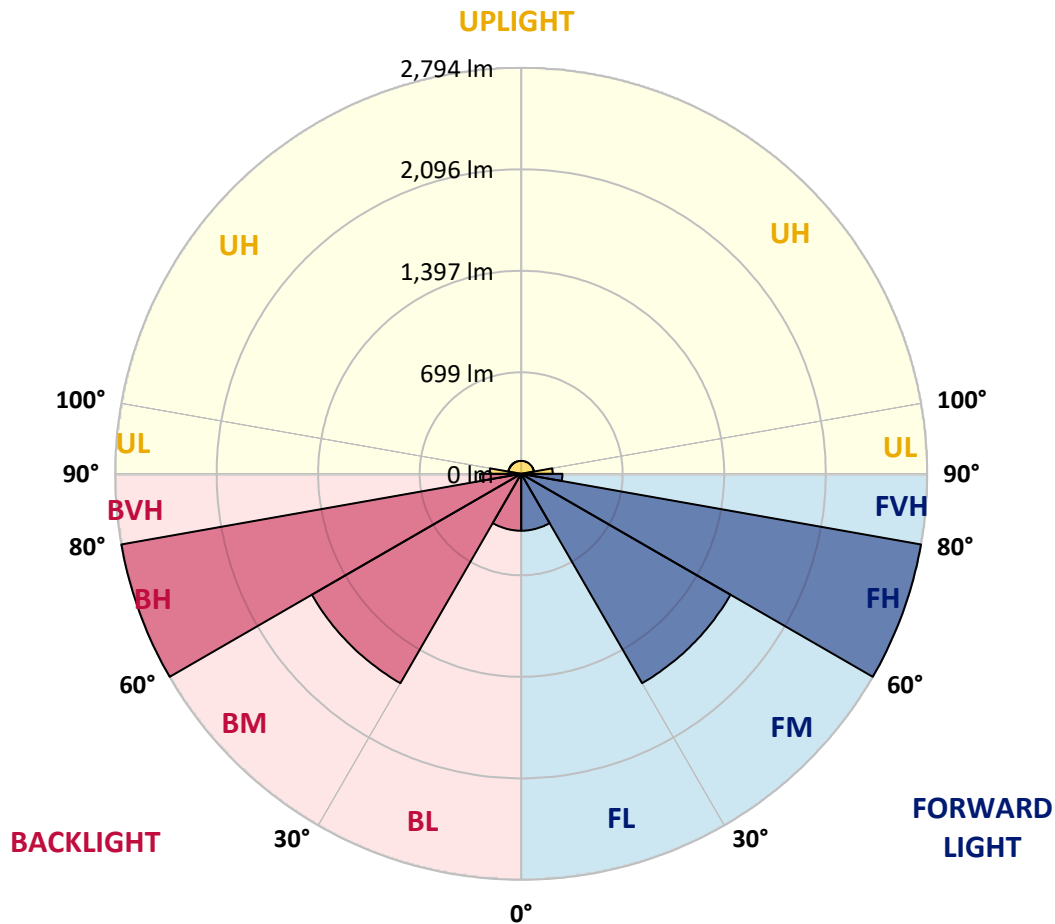
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	391.5	3.7			
FM	(30°-60°)	1663.8	15.7			
FH	(60°-80°)	2794.4	26.4			G2/5000
FVH	(80°-90°)	283.6	2.7			G3/500
BL	(0°-30°)	391.5	3.7	B1/500		
BM	(30°-60°)	1663.8	15.7	B2/2500		
BH	(60°-80°)	2794.4	26.4	B4/5000		G2/5000
BVH	(80°-90°)	283.6	2.7			G3/500
UL	(90°-100°)	216.9	2.1		U3/500	
UH	(100°-180°)	89.4	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°	972.9	972.9	972.9	972.9	972.9	972.9	972.9	972.9	972.9	972.9	972.9
2.5°	962.9	962.9	956.2	952.9	956.2	959.5	962.9	962.9	959.5	956.2	956.2
5°	946.2	942.8	939.5	936.1	936.1	942.8	942.8	946.2	942.8	939.5	939.5
7.5°	902.7	902.7	899.4	896.0	902.7	909.4	919.4	922.8	926.1	926.1	926.1
10°	872.6	872.6	869.3	869.3	876.0	886.0	896.0	906.1	909.4	912.7	912.7
12.5°	855.9	855.9	855.9	852.6	862.6	872.6	889.3	896.0	902.7	906.1	906.1
15°	855.9	852.6	852.6	855.9	862.6	876.0	889.3	902.7	909.4	912.7	912.7
17.5°	862.6	859.2	859.2	859.2	869.3	882.6	899.4	909.4	919.4	922.8	922.8
20°	872.6	872.6	872.6	872.6	879.3	896.0	912.7	922.8	932.8	936.1	936.1
22.5°	899.4	899.4	896.0	892.7	899.4	912.7	932.8	942.8	952.9	959.5	959.5
25°	932.8	929.5	929.5	926.1	926.1	939.5	956.2	969.6	983.0	989.6	989.6
27.5°	972.9	969.6	969.6	962.9	962.9	979.6	993.0	1006.4	1019.7	1026.4	1026.4
30°	1016.4	1019.7	1013.0	1009.7	1006.4	1019.7	1033.1	1043.1	1053.2	1059.8	1059.8
32.5°	1086.6	1086.6	1079.9	1076.6	1073.2	1083.3	1089.9	1096.6	1106.7	1120.0	1123.4
35°	1173.5	1170.2	1170.2	1170.2	1170.2	1176.9	1183.6	1180.2	1200.3	1213.6	1220.3
37.5°	1287.2	1290.5	1283.9	1277.2	1273.8	1280.5	1287.2	1297.2	1317.3	1334.0	1337.3
40°	1267.1	1260.5	1267.1	1280.5	1283.9	1313.9	1344.0	1367.4	1400.9	1431.0	1434.3
42.5°	1136.7	1146.8	1156.8	1156.8	1153.5	1153.5	1156.8	1160.1	1193.6	1237.0	1237.0
45°	932.8	939.5	952.9	946.2	916.1	902.7	909.4	919.4	956.2	1063.2	1066.5
47.5°	989.6	1003.0	1016.4	976.3	939.5	882.6	876.0	869.3	912.7	1210.3	1260.5
50°	1166.8	1166.8	1183.6	1150.1	1136.7	1103.3	1083.3	1089.9	1183.6	1802.1	1912.4
52.5°	1517.9	1511.2	1551.3	1511.2	1497.8	1427.6	1350.7	1390.8	1487.8	2464.1	2691.4
55°	1842.2	1848.9	1889.0	1848.9	1812.1	1748.6	1644.9	1715.1	1845.5	2985.6	3309.9
57.5°	2193.3	2203.3	2250.1	2173.2	2099.6	2066.2	1969.2	2042.8	2186.6	3323.3	3757.9
60°	2557.7	2567.7	2591.1	2494.2	2427.3	2410.6	2300.2	2380.5	2554.3	3620.9	4109.0
62.5°	2905.4	2915.4	2902.0	2808.4	2768.3	2771.7	2664.7	2721.5	2908.7	3968.6	4383.2
65°	3126.1	3169.5	3159.5	3055.8	3042.5	3055.8	2942.2	2948.9	3142.8	4239.4	4654.0
67.5°	3233.0	3283.2	3259.8	3156.1	3162.8	3156.1	3012.4	2995.7	3196.3	4333.0	4730.9
70°	3126.1	3126.1	3109.3	3019.1	3015.7	2989.0	2882.0	2855.2	3012.4	4075.6	4436.7
72.5°	2865.3	2865.3	2851.9	2748.3	2728.2	2708.1	2644.6	2597.8	2734.9	3661.0	4022.1
75°	2487.5	2517.6	2500.8	2397.2	2373.8	2360.4	2317.0	2270.1	2393.9	3219.7	3523.9
77.5°	1989.3	2022.7	2002.7	1925.8	1905.7	1912.4	1882.3	1855.6	1945.8	2581.1	2861.9
80°	1334.0	1364.1	1327.3	1290.5	1260.5	1290.5	1277.2	1263.8	1313.9	1644.9	1925.8
82.5°	601.8	608.5	608.5	571.7	548.3	595.1	601.8	611.8	641.9	715.5	785.7
85°	367.8	371.1	364.4	354.4	341.0	351.1	347.7	354.4	367.8	391.2	404.5
87.5°	314.3	314.3	314.3	304.2	294.2	294.2	290.9	294.2	297.6	317.6	324.3
90°	277.5	277.5	277.5	270.8	264.1	264.1	267.5	264.1	270.8	290.9	300.9
92.5°	234.0	237.4	244.1	244.1	244.1	247.4	247.4	247.4	250.8	280.8	290.9
95°	173.9	170.5	183.9	193.9	197.3	203.9	203.9	203.9	210.6	237.4	247.4
97.5°	127.0	127.0	133.7	140.4	147.1	153.8	157.1	157.1	163.8	183.9	187.2
100°	90.3	90.3	97.0	103.6	107.0	117.0	120.4	120.4	120.4	133.7	133.7
102.5°	66.9	63.5	70.2	73.6	76.9	80.2	83.6	83.6	83.6	86.9	86.9
105°	40.1	40.1	43.5	46.8	50.2	50.2	53.5	53.5	50.2	50.2	50.2
107.5°	26.7	26.7	30.1	33.4	33.4	36.8	36.8	36.8	36.8	36.8	36.8
110°	20.1	20.1	23.4	26.7	26.7	30.1	30.1	30.1	30.1	26.7	26.7



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	16.7	16.7	20.1	20.1	23.4	23.4	23.4	23.4	23.4	23.4	23.4
115°	13.4	13.4	16.7	16.7	16.7	20.1	20.1	20.1	20.1	20.1	20.1
117.5°	10.0	10.0	13.4	13.4	16.7	16.7	16.7	16.7	16.7	16.7	16.7
120°	10.0	10.0	10.0	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4
122.5°	6.7	6.7	10.0	10.0	10.0	10.0	10.0	10.0	10.0	13.4	13.4
125°	6.7	6.7	6.7	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
127.5°	6.7	6.7	6.7	6.7	10.0	10.0	10.0	10.0	10.0	10.0	10.0
130°	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	10.0	10.0
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

(END OF REPORT)