

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: P691921

Luminaire Tested: **CRTK2-C01H-D-U-T5R-7050-SR-CARETAKER**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691921
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-7050-SR-CARETAKER
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 5000K LED WITH TYPE V ROUND OPTIC AND SR REFRACTOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10334 lumens
Efficiency: N/A
Efficacy: 147.2 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.29')
IES Classification: Type V - Short
BUG Rating: B4 - U3 - G3

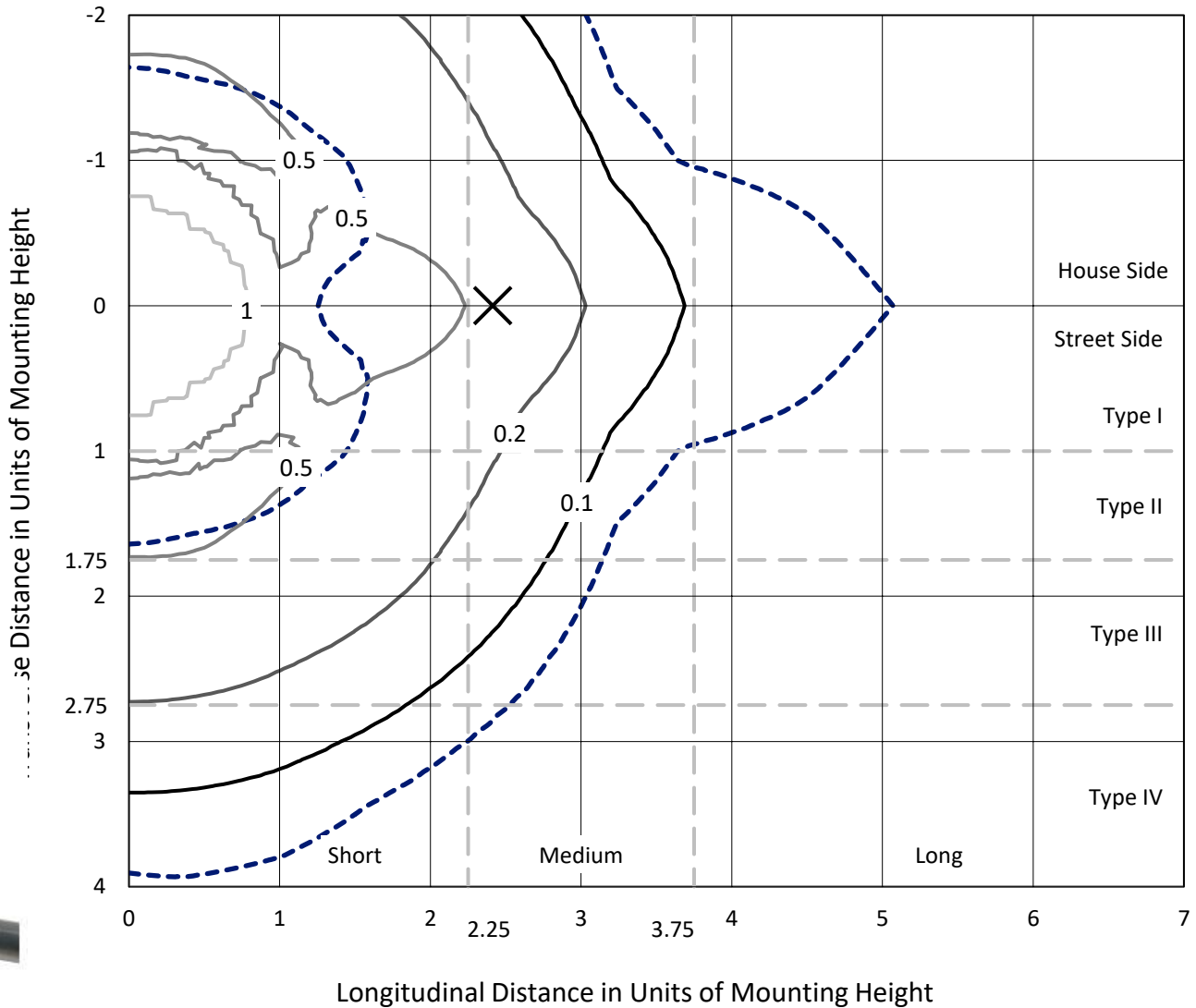
Input Watts (W): 70.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

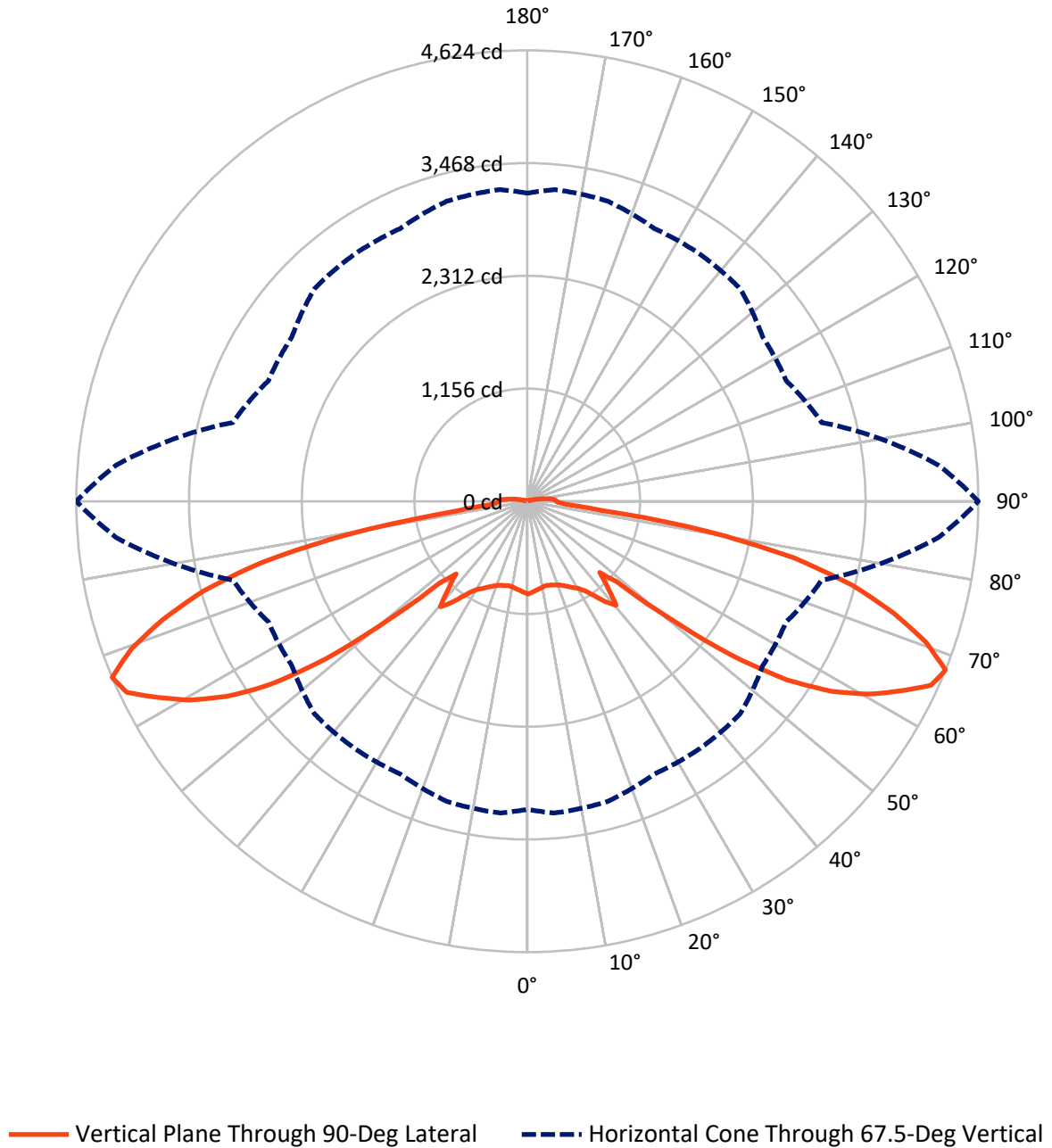
✕ Max cd
 - - - 1/2 Max cd



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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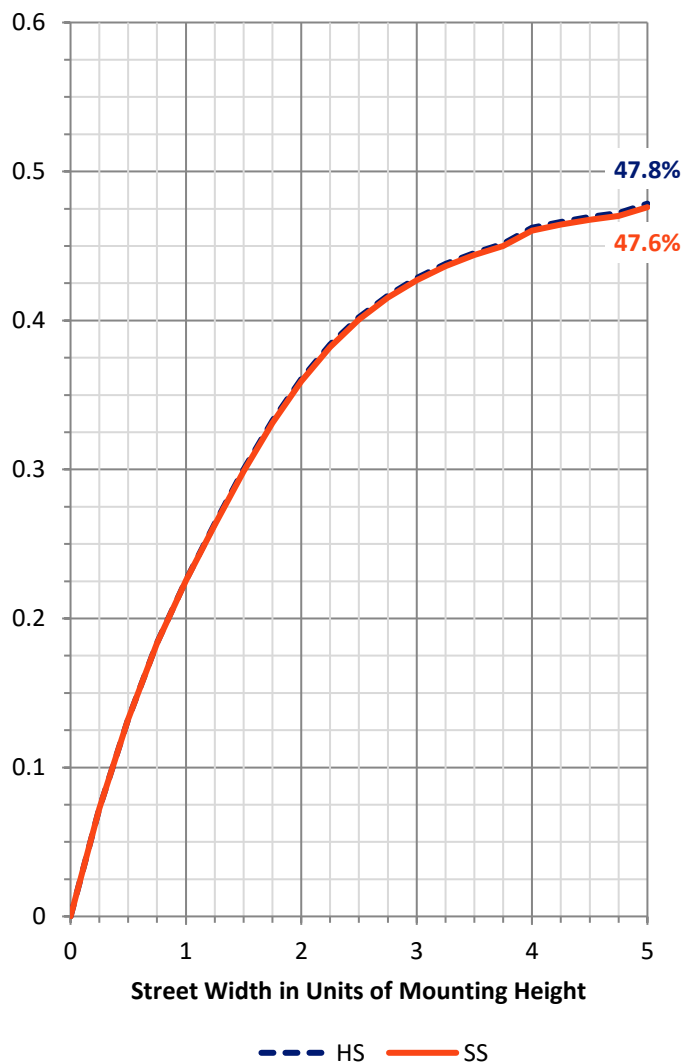
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5017.3	149.6	5167.0
	% Fixture	48.6	1.4	50.0
Street Side	Lumens	5017.3	149.6	5167.0
	% Fixture	48.6	1.4	50.0
Total	Lumens	10034.7	299.3	10334.0
	% Fixture	97.1	2.9	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	86.0	0.8
10°-20°	245.2	2.4
20°-30°	434.1	4.2
30°-40°	732.3	7.1
40°-50°	820.8	7.9
50°-60°	1699.3	16.4
60°-70°	2990.9	28.9
70°-80°	2471.6	23.9
80°-90°	554.5	5.4
90°-100°	212.0	2.1
100°-110°	59.9	0.6
110°-120°	18.3	0.2
120°-130°	8.4	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°	10034.7	97.1
0°-180°	10334.0	100.0

Coefficient of Utilization



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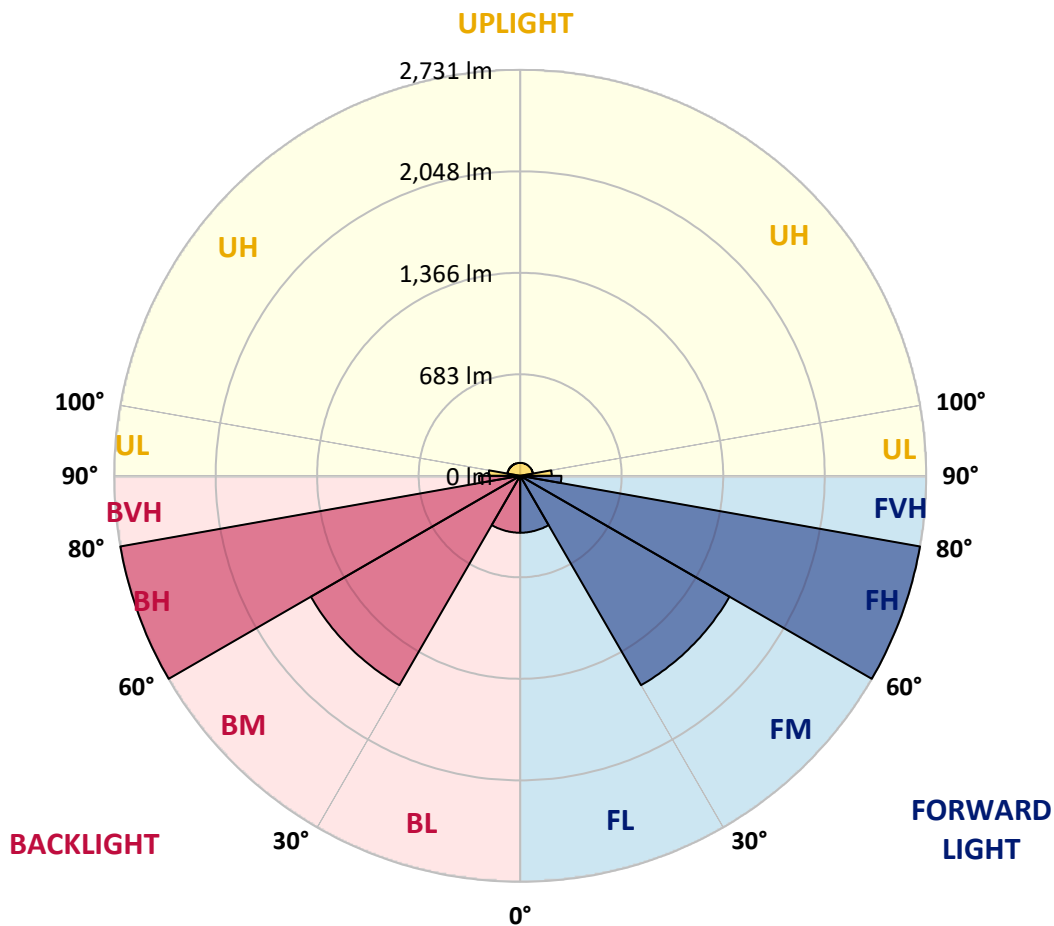
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	382.7	3.7			
FM (30°-60°)	1626.2	15.7			
FH (60°-80°)	2731.2	26.4			G2/5000
FVH (80°-90°)	277.2	2.7			G3/500
BL (0°-30°)	382.7	3.7	B1/500		
BM (30°-60°)	1626.2	15.7	B2/2500		
BH (60°-80°)	2731.2	26.4	B4/5000		G2/5000
BVH (80°-90°)	277.2	2.7			G3/500
UL (90°-100°)	212.0	2.1		U3/500	
UH (100°-180°)	87.3	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°	950.9	950.9	950.9	950.9	950.9	950.9	950.9	950.9	950.9	950.9	950.9
2.5°	941.1	941.1	934.6	931.3	934.6	937.9	941.1	941.1	937.9	934.6	934.6
5°	924.8	921.5	918.3	915.0	915.0	921.5	921.5	924.8	921.5	918.3	918.3
7.5°	882.3	882.3	879.0	875.8	882.3	888.8	898.6	901.9	905.2	905.2	905.2
10°	852.9	852.9	849.6	849.6	856.2	866.0	875.8	885.6	888.8	892.1	892.1
12.5°	836.6	836.6	836.6	833.3	843.1	852.9	869.2	875.8	882.3	885.6	885.6
15°	836.6	833.3	833.3	836.6	843.1	856.2	869.2	882.3	888.8	892.1	892.1
17.5°	843.1	839.8	839.8	839.8	849.6	862.7	879.0	888.8	898.6	901.9	901.9
20°	852.9	852.9	852.9	852.9	859.4	875.8	892.1	901.9	911.7	915.0	915.0
22.5°	879.0	879.0	875.8	872.5	879.0	892.1	911.7	921.5	931.3	937.9	937.9
25°	911.7	908.4	908.4	905.2	905.2	918.3	934.6	947.7	960.7	967.3	967.3
27.5°	950.9	947.7	947.7	941.1	941.1	957.5	970.5	983.6	996.7	1003.2	1003.2
30°	993.4	996.7	990.1	986.9	983.6	996.7	1009.7	1019.6	1029.4	1035.9	1035.9
32.5°	1062.0	1062.0	1055.5	1052.2	1049.0	1058.8	1065.3	1071.8	1081.6	1094.7	1098.0
35°	1147.0	1143.7	1143.7	1143.7	1143.7	1150.3	1156.8	1153.5	1173.1	1186.2	1192.7
37.5°	1258.1	1261.4	1254.8	1248.3	1245.0	1251.6	1258.1	1267.9	1287.5	1303.9	1307.1
40°	1238.5	1232.0	1238.5	1251.6	1254.8	1284.2	1313.7	1336.5	1369.2	1398.6	1401.9
42.5°	1111.1	1120.9	1130.7	1130.7	1127.4	1127.4	1130.7	1133.9	1166.6	1209.1	1209.1
45°	911.7	918.3	931.3	924.8	895.4	882.3	888.8	898.6	934.6	1039.2	1042.4
47.5°	967.3	980.3	993.4	954.2	918.3	862.7	856.2	849.6	892.1	1182.9	1232.0
50°	1140.5	1140.5	1156.8	1124.1	1111.1	1078.4	1058.8	1065.3	1156.8	1761.3	1869.2
52.5°	1483.6	1477.0	1516.3	1477.0	1464.0	1395.3	1320.2	1359.4	1454.2	2408.4	2630.6
55°	1800.6	1807.1	1846.3	1807.1	1771.1	1709.1	1607.8	1676.4	1803.8	2918.1	3235.1
57.5°	2143.7	2153.5	2199.2	2124.1	2052.2	2019.5	1924.7	1996.6	2137.1	3248.2	3673.0
60°	2499.9	2509.7	2532.5	2437.8	2372.4	2356.1	2248.2	2326.7	2496.6	3539.0	4016.1
62.5°	2839.7	2849.5	2836.4	2744.9	2705.7	2709.0	2604.4	2660.0	2843.0	3878.9	4284.1
65°	3055.4	3097.9	3088.1	2986.8	2973.7	2986.8	2875.7	2882.2	3071.7	4143.6	4548.8
67.5°	3160.0	3209.0	3186.1	3084.8	3091.3	3084.8	2944.3	2927.9	3124.0	4235.1	4623.9
70°	3055.4	3055.4	3039.0	2950.8	2947.6	2921.4	2816.8	2790.7	2944.3	3983.4	4336.4
72.5°	2800.5	2800.5	2787.4	2686.1	2666.5	2646.9	2584.8	2539.1	2673.1	3578.2	3931.2
75°	2431.2	2460.6	2444.3	2343.0	2320.1	2307.1	2264.6	2218.8	2339.7	3146.9	3444.3
77.5°	1944.3	1977.0	1957.4	1882.2	1862.6	1869.2	1839.8	1813.6	1901.9	2522.7	2797.2
80°	1303.9	1333.3	1297.3	1261.4	1232.0	1261.4	1248.3	1235.2	1284.2	1607.8	1882.2
82.5°	588.2	594.7	594.7	558.8	535.9	581.7	588.2	598.0	627.4	699.3	767.9
85°	359.5	362.7	356.2	346.4	333.3	343.1	339.9	346.4	359.5	382.3	395.4
87.5°	307.2	307.2	307.2	297.4	287.6	287.6	284.3	287.6	290.8	310.4	317.0
90°	271.2	271.2	271.2	264.7	258.2	258.2	261.4	258.2	264.7	284.3	294.1
92.5°	228.7	232.0	238.5	238.5	238.5	241.8	241.8	241.8	245.1	274.5	284.3
95°	169.9	166.7	179.7	189.5	192.8	199.3	199.3	199.3	205.9	232.0	241.8
97.5°	124.2	124.2	130.7	137.2	143.8	150.3	153.6	153.6	160.1	179.7	183.0
100°	88.2	88.2	94.8	101.3	104.6	114.4	117.6	117.6	117.6	130.7	130.7
102.5°	65.4	62.1	68.6	71.9	75.2	78.4	81.7	81.7	81.7	85.0	85.0
105°	39.2	39.2	42.5	45.7	49.0	49.0	52.3	52.3	49.0	49.0	49.0
107.5°	26.1	26.1	29.4	32.7	32.7	35.9	35.9	35.9	35.9	35.9	35.9
110°	19.6	19.6	22.9	26.1	26.1	29.4	29.4	29.4	29.4	26.1	26.1



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	16.3	16.3	19.6	19.6	22.9	22.9	22.9	22.9	22.9	22.9	22.9
115°	13.1	13.1	16.3	16.3	16.3	19.6	19.6	19.6	19.6	19.6	19.6
117.5°	9.8	9.8	13.1	13.1	16.3	16.3	16.3	16.3	16.3	16.3	16.3
120°	9.8	9.8	9.8	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1
122.5°	6.5	6.5	9.8	9.8	9.8	9.8	9.8	9.8	9.8	13.1	13.1
125°	6.5	6.5	6.5	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8
127.5°	6.5	6.5	6.5	6.5	9.8	9.8	9.8	9.8	9.8	9.8	9.8
130°	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	9.8	9.8
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)