

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: P691914

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

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691914
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-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: 10214 lumens
Efficiency: N/A
Efficacy: 145.5 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



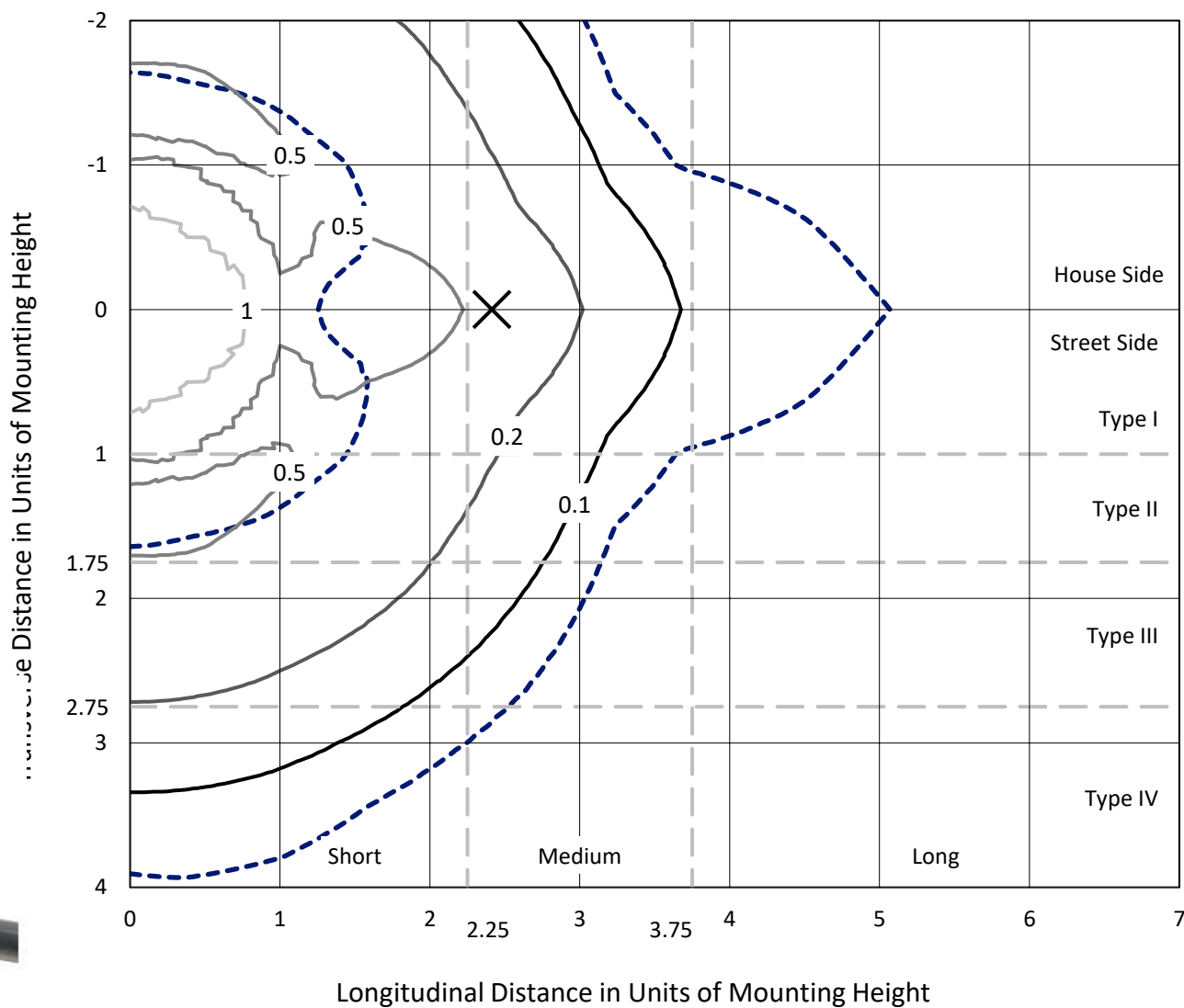
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

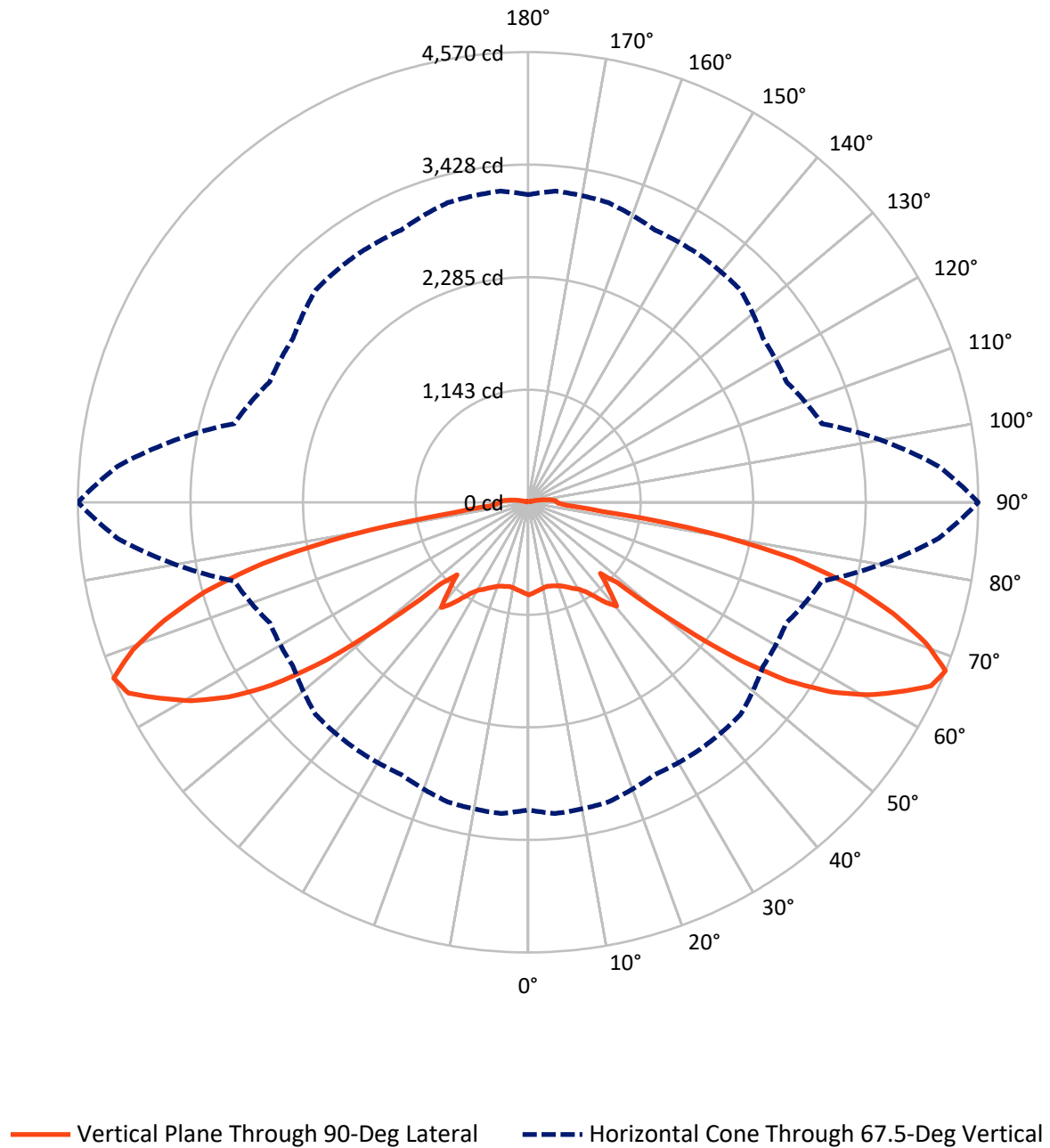


Based on 25 foot mounting height. Maximum calculated value = 1.5 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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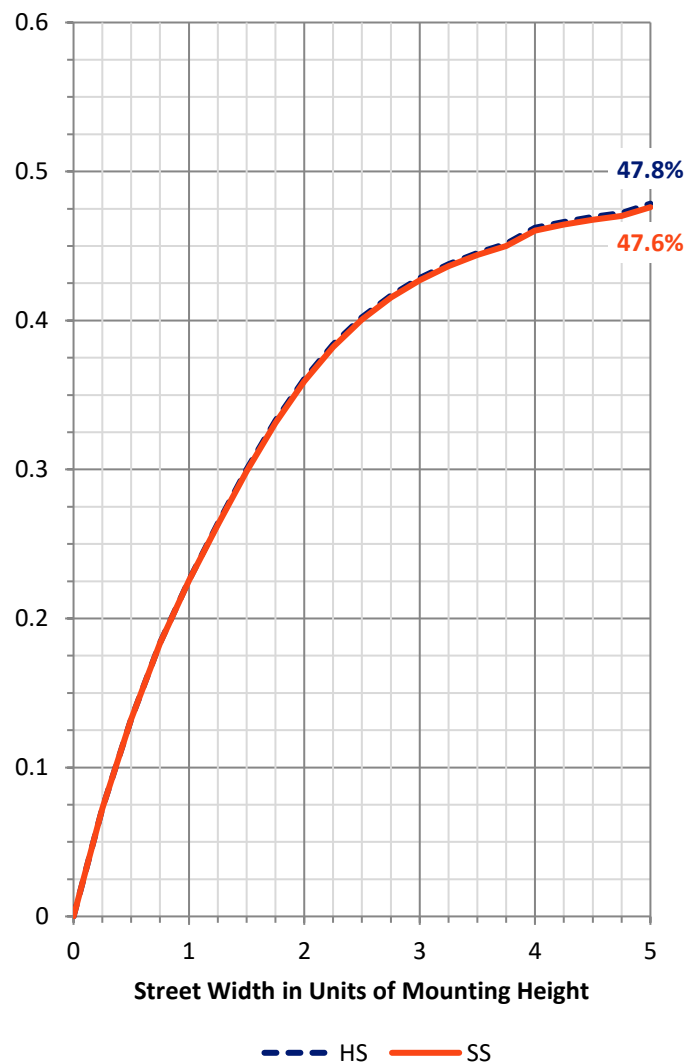
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4959.1	147.9	5107.0
	% Fixture	48.6	1.4	50.0
Street Side	Lumens	4959.1	147.9	5107.0
	% Fixture	48.6	1.4	50.0
Total	Lumens	9918.1	295.9	10214.0
	% Fixture	97.1	2.9	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	85.0	0.8
10°-20°	242.4	2.4
20°-30°	429.1	4.2
30°-40°	723.8	7.1
40°-50°	811.2	7.9
50°-60°	1679.5	16.4
60°-70°	2956.1	28.9
70°-80°	2442.9	23.9
80°-90°	548.0	5.4
90°-100°	209.5	2.1
100°-110°	59.2	0.6
110°-120°	18.1	0.2
120°-130°	8.3	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°	9918.1	97.1
0°-180°	10214.0	100.0

Coefficient of Utilization



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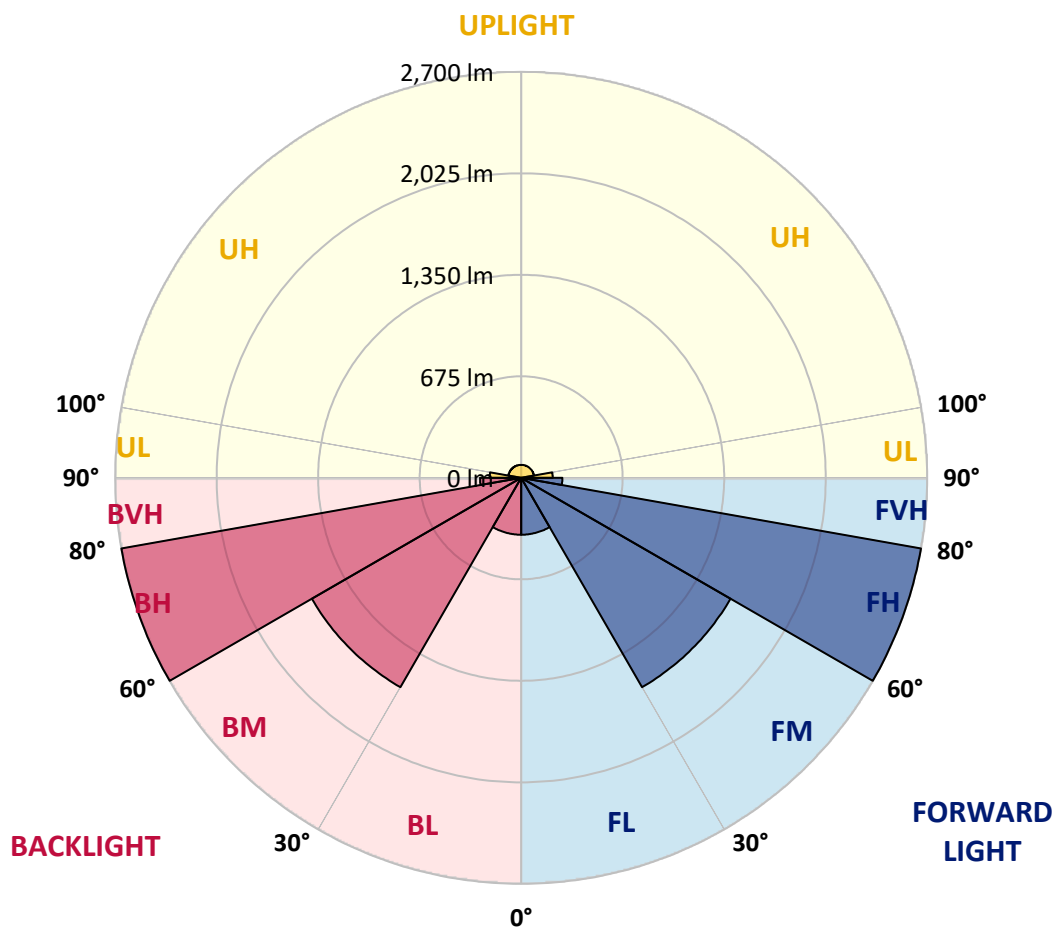
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	378.2	3.7			
FM	(30°-60°)	1607.3	15.7			
FH	(60°-80°)	2699.5	26.4			G2/5000
FVH	(80°-90°)	274.0	2.7			G3/500
BL	(0°-30°)	378.2	3.7	B1/500		
BM	(30°-60°)	1607.3	15.7	B2/2500		
BH	(60°-80°)	2699.5	26.4	B4/5000		G2/5000
BVH	(80°-90°)	274.0	2.7			G3/500
UL	(90°-100°)	209.5	2.1		U3/500	
UH	(100°-180°)	86.3	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°	939.9	939.9	939.9	939.9	939.9	939.9	939.9	939.9	939.9	939.9	939.9
2.5°	930.2	930.2	923.7	920.5	923.7	927.0	930.2	930.2	927.0	923.7	923.7
5°	914.0	910.8	907.6	904.4	904.4	910.8	910.8	914.0	910.8	907.6	907.6
7.5°	872.1	872.1	868.8	865.6	872.1	878.5	888.2	891.4	894.7	894.7	894.7
10°	843.0	843.0	839.8	839.8	846.2	855.9	865.6	875.3	878.5	881.7	881.7
12.5°	826.8	826.8	826.8	823.6	833.3	843.0	859.1	865.6	872.1	875.3	875.3
15°	826.8	823.6	823.6	826.8	833.3	846.2	859.1	872.1	878.5	881.7	881.7
17.5°	833.3	830.1	830.1	830.1	839.8	852.7	868.8	878.5	888.2	891.4	891.4
20°	843.0	843.0	843.0	843.0	849.5	865.6	881.7	891.4	901.1	904.4	904.4
22.5°	868.8	868.8	865.6	862.4	868.8	881.7	901.1	910.8	920.5	927.0	927.0
25°	901.1	897.9	897.9	894.7	894.7	907.6	923.7	936.7	949.6	956.0	956.0
27.5°	939.9	936.7	936.7	930.2	930.2	946.3	959.3	972.2	985.1	991.6	991.6
30°	981.9	985.1	978.6	975.4	972.2	985.1	998.0	1007.7	1017.4	1023.9	1023.9
32.5°	1049.7	1049.7	1043.2	1040.0	1036.8	1046.5	1052.9	1059.4	1069.1	1082.0	1085.2
35°	1133.7	1130.4	1130.4	1130.4	1130.4	1136.9	1143.4	1140.1	1159.5	1172.4	1178.9
37.5°	1243.5	1246.7	1240.3	1233.8	1230.6	1237.0	1243.5	1253.2	1272.6	1288.7	1291.9
40°	1224.1	1217.7	1224.1	1237.0	1240.3	1269.3	1298.4	1321.0	1353.3	1382.4	1385.6
42.5°	1098.1	1107.8	1117.5	1117.5	1114.3	1114.3	1117.5	1120.8	1153.1	1195.0	1195.0
45°	901.1	907.6	920.5	914.0	885.0	872.1	878.5	888.2	923.7	1027.1	1030.3
47.5°	956.0	969.0	981.9	943.1	907.6	852.7	846.2	839.8	881.7	1169.2	1217.7
50°	1127.2	1127.2	1143.4	1111.1	1098.1	1065.9	1046.5	1052.9	1143.4	1740.9	1847.5
52.5°	1466.4	1459.9	1498.6	1459.9	1447.0	1379.1	1304.9	1343.6	1437.3	2380.4	2600.0
55°	1779.6	1786.1	1824.9	1786.1	1750.6	1689.2	1589.1	1656.9	1782.9	2884.3	3197.6
57.5°	2118.8	2128.5	2173.7	2099.4	2028.3	1996.0	1902.4	1973.4	2112.3	3210.5	3630.3
60°	2470.8	2480.5	2503.1	2409.5	2344.9	2328.7	2222.1	2299.7	2467.6	3497.9	3969.5
62.5°	2806.7	2816.4	2803.5	2713.1	2674.3	2677.5	2574.2	2629.1	2810.0	3833.8	4234.3
65°	3019.9	3061.9	3052.2	2952.1	2939.2	2952.1	2842.3	2848.7	3036.1	4095.4	4495.9
67.5°	3123.3	3171.7	3149.1	3049.0	3055.4	3049.0	2910.1	2893.9	3087.7	4185.9	4570.2
70°	3019.9	3019.9	3003.8	2916.6	2913.3	2887.5	2784.1	2758.3	2910.1	3937.2	4286.0
72.5°	2768.0	2768.0	2755.1	2654.9	2635.6	2616.2	2554.8	2509.6	2642.0	3536.7	3885.5
75°	2403.0	2432.1	2415.9	2315.8	2293.2	2280.3	2238.3	2193.1	2312.6	3110.3	3404.3
77.5°	1921.8	1954.1	1934.7	1860.4	1841.0	1847.5	1818.4	1792.6	1879.8	2493.4	2764.8
80°	1288.7	1317.8	1282.2	1246.7	1217.7	1246.7	1233.8	1220.9	1269.3	1589.1	1860.4
82.5°	581.4	587.8	587.8	552.3	529.7	574.9	581.4	591.1	620.1	691.2	759.0
85°	355.3	358.5	352.1	342.4	329.4	339.1	335.9	342.4	355.3	377.9	390.8
87.5°	303.6	303.6	303.6	293.9	284.2	284.2	281.0	284.2	287.5	306.8	313.3
90°	268.1	268.1	268.1	261.6	255.2	255.2	258.4	255.2	261.6	281.0	290.7
92.5°	226.1	229.3	235.8	235.8	235.8	239.0	239.0	239.0	242.2	271.3	281.0
95°	168.0	164.7	177.6	187.3	190.6	197.0	197.0	197.0	203.5	229.3	239.0
97.5°	122.7	122.7	129.2	135.7	142.1	148.6	151.8	151.8	158.3	177.6	180.9
100°	87.2	87.2	93.7	100.1	103.4	113.0	116.3	116.3	116.3	129.2	129.2
102.5°	64.6	61.4	67.8	71.1	74.3	77.5	80.7	80.7	80.7	84.0	84.0
105°	38.8	38.8	42.0	45.2	48.4	48.4	51.7	51.7	48.4	48.4	48.4
107.5°	25.8	25.8	29.1	32.3	32.3	35.5	35.5	35.5	35.5	35.5	35.5
110°	19.4	19.4	22.6	25.8	25.8	29.1	29.1	29.1	29.1	25.8	25.8



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	16.1	16.1	19.4	19.4	22.6	22.6	22.6	22.6	22.6	22.6	22.6
115°	12.9	12.9	16.1	16.1	16.1	19.4	19.4	19.4	19.4	19.4	19.4
117.5°	9.7	9.7	12.9	12.9	16.1	16.1	16.1	16.1	16.1	16.1	16.1
120°	9.7	9.7	9.7	12.9	12.9	12.9	12.9	12.9	12.9	12.9	12.9
122.5°	6.5	6.5	9.7	9.7	9.7	9.7	9.7	9.7	9.7	12.9	12.9
125°	6.5	6.5	6.5	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7
127.5°	6.5	6.5	6.5	6.5	9.7	9.7	9.7	9.7	9.7	9.7	9.7
130°	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	9.7	9.7
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)