

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: P691376

Luminaire Tested: **CRTK2-C015-D-U-T5R-8027-SR-CARETAKER**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691376
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-C015-D-U-T5R-8027-SR-CARETAKER
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 2700K LED WITH TYPE V ROUND OPTIC AND SR REFRACTOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4070 lumens
Efficiency: N/A
Efficacy: 136.1 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.29')
IES Classification: Type V - Short
BUG Rating: B3 - U3 - G2

Input Watts (W): 29.9
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

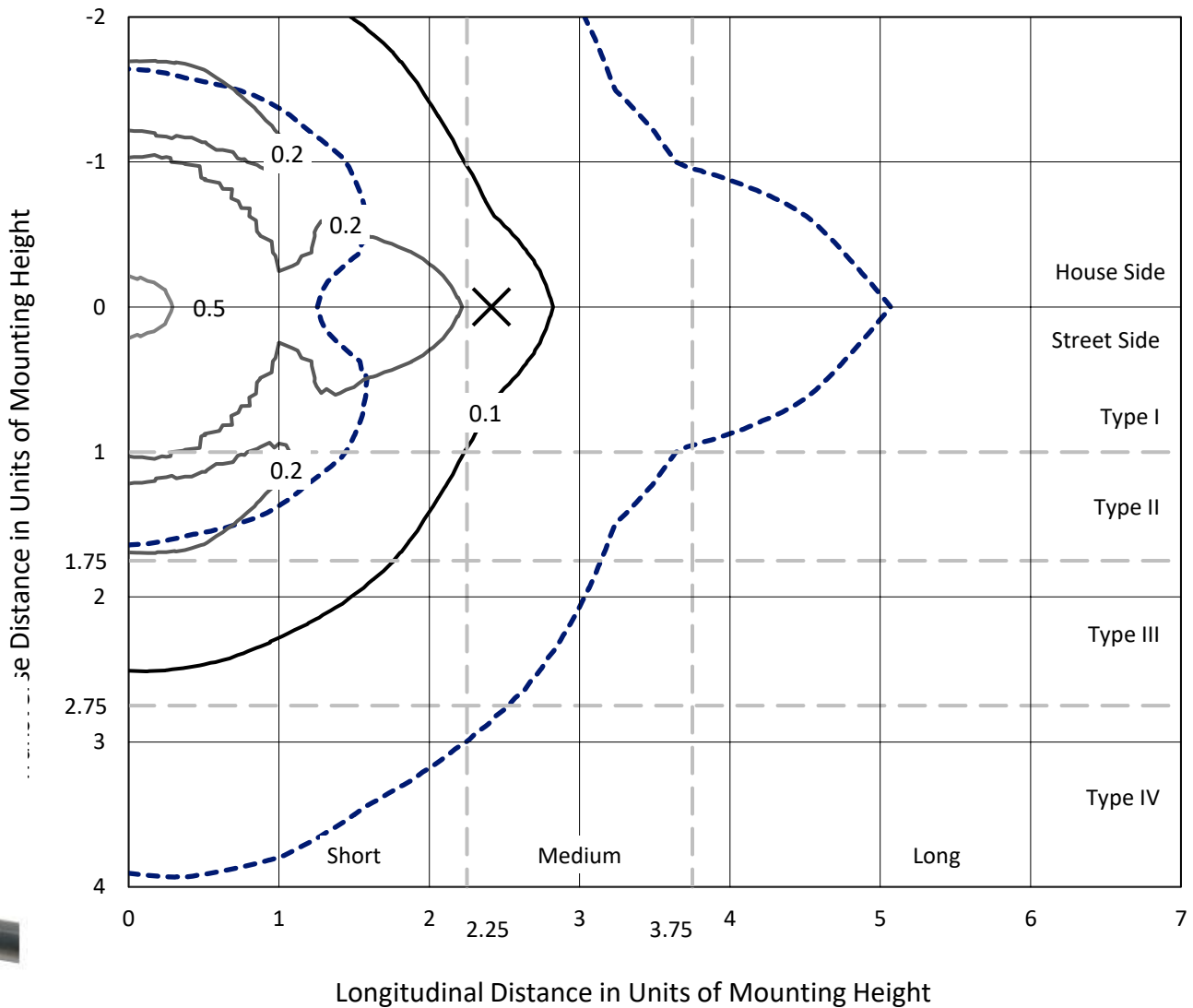


REPORT NUMBER: P691376

CATALOG NUMBER: CRTK2-C015-D-U-T5R-8027-SR-CARETAKER

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

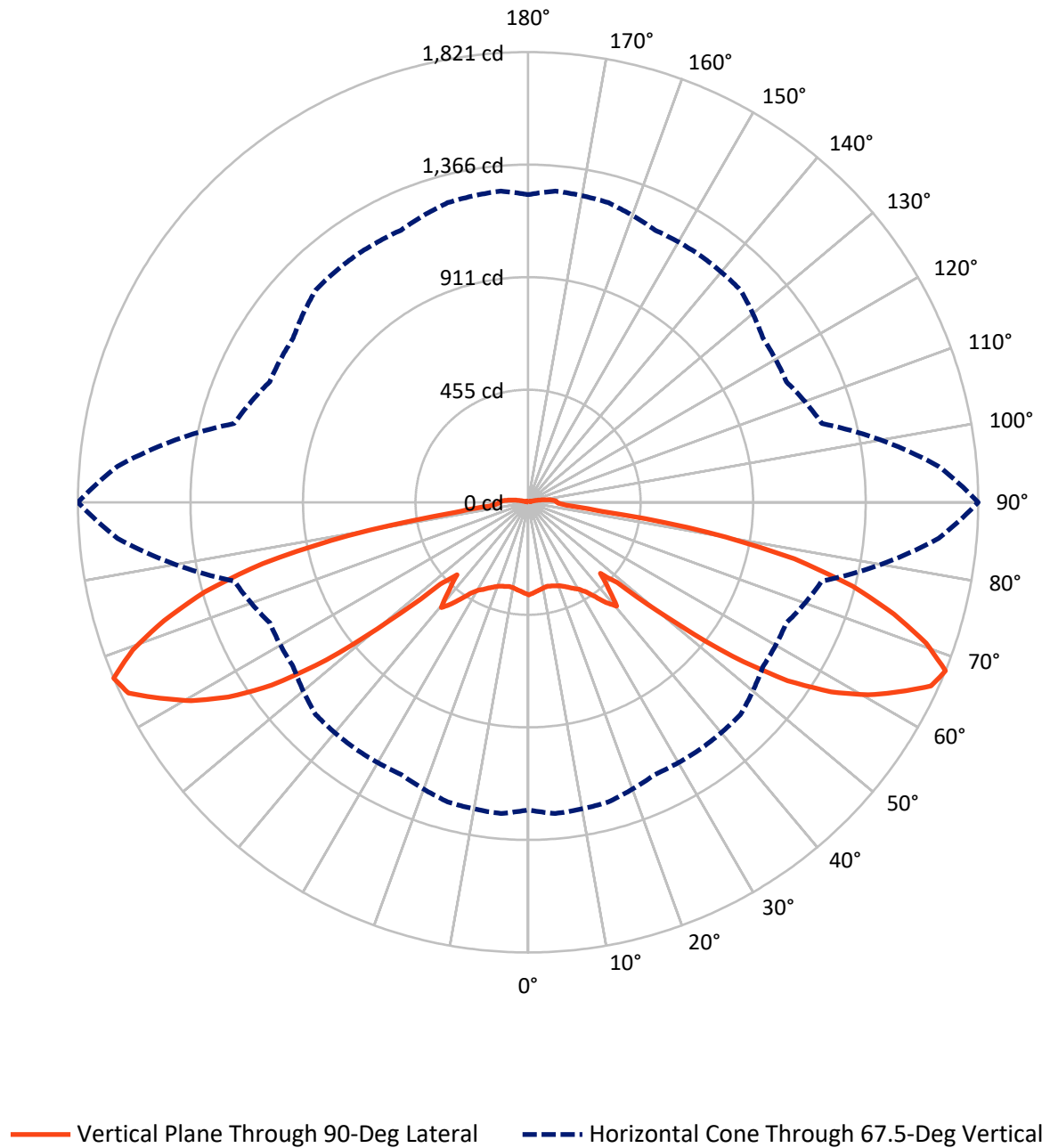


Based on 25 foot mounting height. Maximum calculated value = 0.6 fc
 Type V - Short - N/A

REPORT NUMBER: P691376

CATALOG NUMBER: CRTK2-C015-D-U-T5R-8027-SR-CARETAKER

Luminous Intensity Polar Plot



REPORT NUMBER: P691376

CATALOG NUMBER: CRTK2-C015-D-U-T5R-8027-SR-CARETAKER

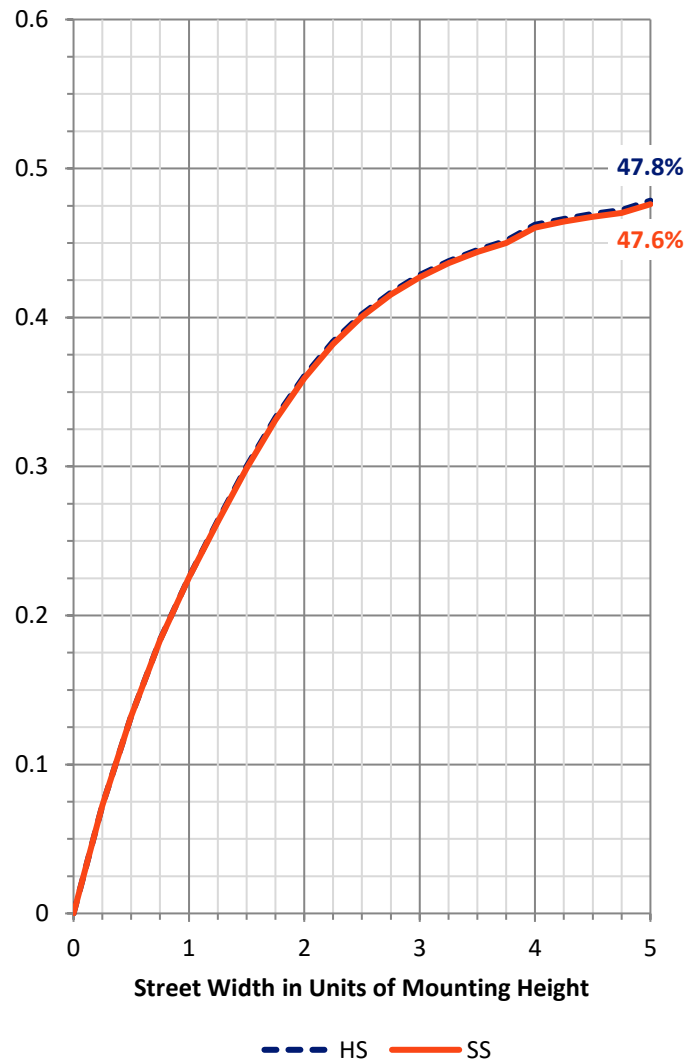
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1976.1	59.0	2035.0
	% Fixture	48.6	1.4	50.0
Street Side	Lumens	1976.1	59.0	2035.0
	% Fixture	48.6	1.4	50.0
Total	Lumens	3952.1	117.9	4070.0
	% Fixture	97.1	2.9	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	33.9	0.8
10°-20°	96.6	2.4
20°-30°	171.0	4.2
30°-40°	288.4	7.1
40°-50°	323.3	7.9
50°-60°	669.3	16.4
60°-70°	1177.9	28.9
70°-80°	973.4	23.9
80°-90°	218.4	5.4
90°-100°	83.5	2.1
100°-110°	23.6	0.6
110°-120°	7.2	0.2
120°-130°	3.3	0.1
130°-140°	0.3	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°	3952.1	97.1
0°-180°	4070.0	100.0

Coefficient of Utilization



REPORT NUMBER: P691376

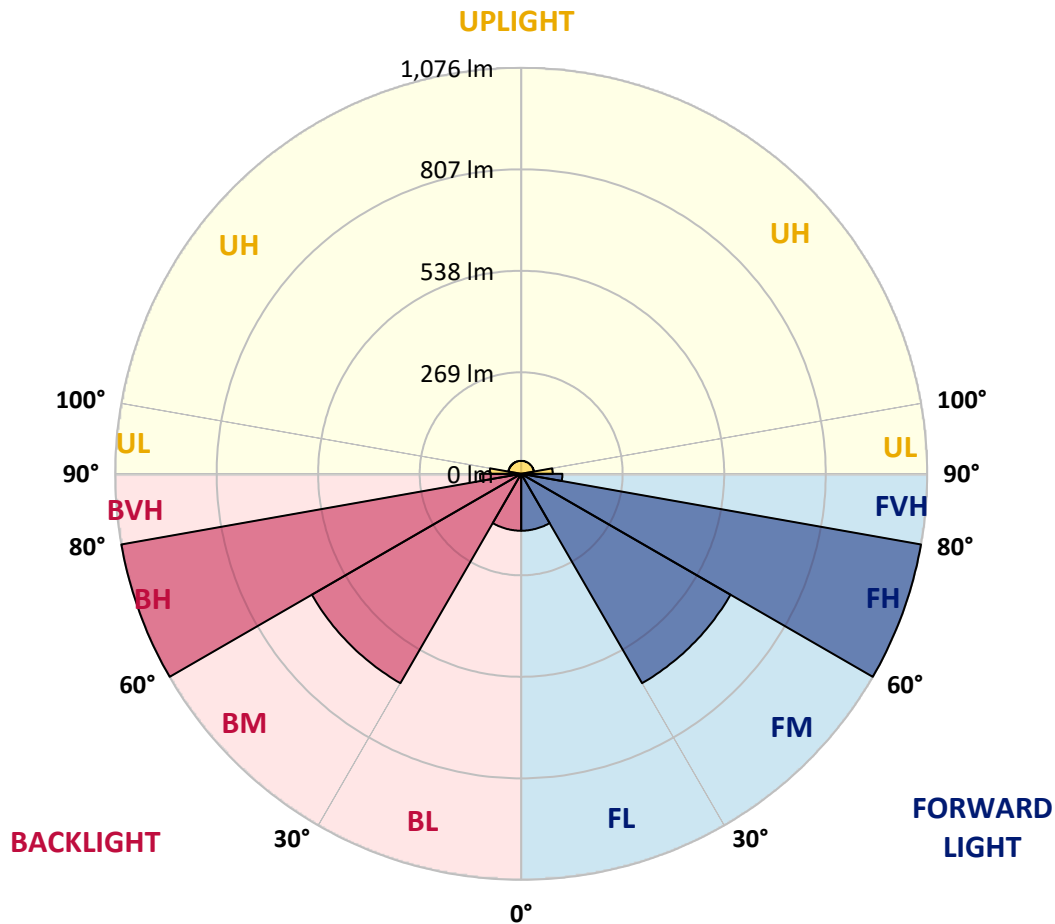
CATALOG NUMBER: CRTK2-C015-D-U-T5R-8027-SR-CARETAKER

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	150.7	3.7			
FM	(30°-60°)	640.5	15.7			
FH	(60°-80°)	1075.7	26.4			G1/1800
FVH	(80°-90°)	109.2	2.7			G2/225
BL	(0°-30°)	150.7	3.7	B1/500		
BM	(30°-60°)	640.5	15.7	B1/1000		
BH	(60°-80°)	1075.7	26.4	B3/2500		G1/1800
BVH	(80°-90°)	109.2	2.7			G2/225
UL	(90°-100°)	83.5	2.1		U3/500	
UH	(100°-180°)	34.4	0.8		U2/50	

BUG Rating: B3-U3-G2

Type V Short



REPORT NUMBER: P691376

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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	374.5	374.5	374.5	374.5	374.5	374.5	374.5	374.5	374.5	374.5	374.5
2.5°	370.7	370.7	368.1	366.8	368.1	369.4	370.7	370.7	369.4	368.1	368.1
5°	364.2	362.9	361.6	360.4	360.4	362.9	362.9	364.2	362.9	361.6	361.6
7.5°	347.5	347.5	346.2	344.9	347.5	350.1	353.9	355.2	356.5	356.5	356.5
10°	335.9	335.9	334.6	334.6	337.2	341.1	344.9	348.8	350.1	351.4	351.4
12.5°	329.5	329.5	329.5	328.2	332.0	335.9	342.3	344.9	347.5	348.8	348.8
15°	329.5	328.2	328.2	329.5	332.0	337.2	342.3	347.5	350.1	351.4	351.4
17.5°	332.0	330.8	330.8	330.8	334.6	339.8	346.2	350.1	353.9	355.2	355.2
20°	335.9	335.9	335.9	335.9	338.5	344.9	351.4	355.2	359.1	360.4	360.4
22.5°	346.2	346.2	344.9	343.6	346.2	351.4	359.1	362.9	366.8	369.4	369.4
25°	359.1	357.8	357.8	356.5	356.5	361.6	368.1	373.2	378.4	381.0	381.0
27.5°	374.5	373.2	373.2	370.7	370.7	377.1	382.2	387.4	392.5	395.1	395.1
30°	391.2	392.5	390.0	388.7	387.4	392.5	397.7	401.5	405.4	408.0	408.0
32.5°	418.3	418.3	415.7	414.4	413.1	417.0	419.6	422.1	426.0	431.1	432.4
35°	451.7	450.5	450.5	450.5	450.5	453.0	455.6	454.3	462.0	467.2	469.8
37.5°	495.5	496.8	494.2	491.6	490.3	492.9	495.5	499.4	507.1	513.5	514.8
40°	487.8	485.2	487.8	492.9	494.2	505.8	517.4	526.4	539.3	550.8	552.1
42.5°	437.6	441.4	445.3	445.3	444.0	444.0	445.3	446.6	459.5	476.2	476.2
45°	359.1	361.6	366.8	364.2	352.6	347.5	350.1	353.9	368.1	409.3	410.6
47.5°	381.0	386.1	391.2	375.8	361.6	339.8	337.2	334.6	351.4	465.9	485.2
50°	449.2	449.2	455.6	442.7	437.6	424.7	417.0	419.6	455.6	693.7	736.2
52.5°	584.3	581.7	597.2	581.7	576.6	549.6	520.0	535.4	572.7	948.5	1036.0
55°	709.1	711.7	727.2	711.7	697.6	673.1	633.2	660.2	710.4	1149.3	1274.1
57.5°	844.3	848.1	866.2	836.6	808.2	795.4	758.0	786.4	841.7	1279.3	1446.6
60°	984.6	988.4	997.4	960.1	934.4	927.9	885.5	916.3	983.3	1393.8	1581.7
62.5°	1118.4	1122.3	1117.1	1081.1	1065.6	1066.9	1025.7	1047.6	1119.7	1527.7	1687.3
65°	1203.4	1220.1	1216.2	1176.3	1171.2	1176.3	1132.6	1135.1	1209.8	1631.9	1791.5
67.5°	1244.5	1263.8	1254.8	1214.9	1217.5	1214.9	1159.6	1153.2	1230.4	1668.0	1821.1
70°	1203.4	1203.4	1196.9	1162.2	1160.9	1150.6	1109.4	1099.1	1159.6	1568.9	1707.9
72.5°	1103.0	1103.0	1097.8	1057.9	1050.2	1042.5	1018.0	1000.0	1052.8	1409.3	1548.3
75°	957.5	969.1	962.7	922.8	913.8	908.6	891.9	873.9	921.5	1239.4	1356.5
77.5°	765.8	778.6	770.9	741.3	733.6	736.2	724.6	714.3	749.0	993.6	1101.7
80°	513.5	525.1	510.9	496.8	485.2	496.8	491.6	486.5	505.8	633.2	741.3
82.5°	231.7	234.2	234.2	220.1	211.1	229.1	231.7	235.5	247.1	275.4	302.4
85°	141.6	142.9	140.3	136.4	131.3	135.1	133.8	136.4	141.6	150.6	155.7
87.5°	121.0	121.0	121.0	117.1	113.3	113.3	112.0	113.3	114.5	122.3	124.8
90°	106.8	106.8	106.8	104.2	101.7	101.7	103.0	101.7	104.2	112.0	115.8
92.5°	90.1	91.4	94.0	94.0	94.0	95.2	95.2	95.2	96.5	108.1	112.0
95°	66.9	65.6	70.8	74.6	75.9	78.5	78.5	78.5	81.1	91.4	95.2
97.5°	48.9	48.9	51.5	54.1	56.6	59.2	60.5	60.5	63.1	70.8	72.1
100°	34.7	34.7	37.3	39.9	41.2	45.0	46.3	46.3	46.3	51.5	51.5
102.5°	25.7	24.5	27.0	28.3	29.6	30.9	32.2	32.2	32.2	33.5	33.5
105°	15.4	15.4	16.7	18.0	19.3	19.3	20.6	20.6	19.3	19.3	19.3
107.5°	10.3	10.3	11.6	12.9	12.9	14.2	14.2	14.2	14.2	14.2	14.2
110°	7.7	7.7	9.0	10.3	10.3	11.6	11.6	11.6	11.6	10.3	10.3

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	6.4	6.4	7.7	7.7	9.0	9.0	9.0	9.0	9.0	9.0	9.0
115°	5.1	5.1	6.4	6.4	6.4	7.7	7.7	7.7	7.7	7.7	7.7
117.5°	3.9	3.9	5.1	5.1	6.4	6.4	6.4	6.4	6.4	6.4	6.4
120°	3.9	3.9	3.9	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1
122.5°	2.6	2.6	3.9	3.9	3.9	3.9	3.9	3.9	3.9	5.1	5.1
125°	2.6	2.6	2.6	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
127.5°	2.6	2.6	2.6	2.6	3.9	3.9	3.9	3.9	3.9	3.9	3.9
130°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	3.9	3.9
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)