

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: P691362

Luminaire Tested: **CRTK2-C015-D-U-T5R-7040-SR-CARETAKER**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691362
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-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: 4634 lumens
Efficiency: N/A
Efficacy: 155.0 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

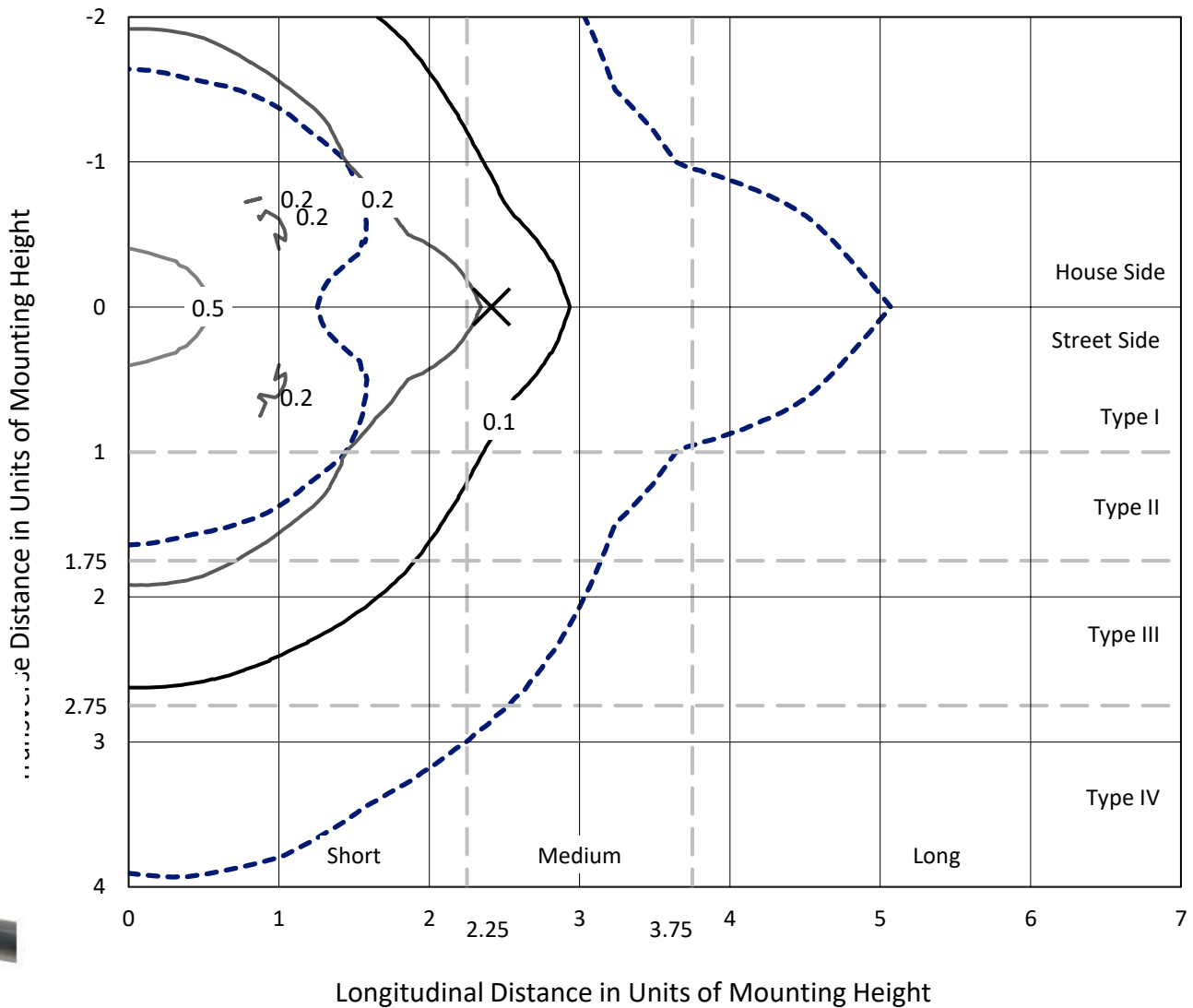


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 --- 1/2 Max cd

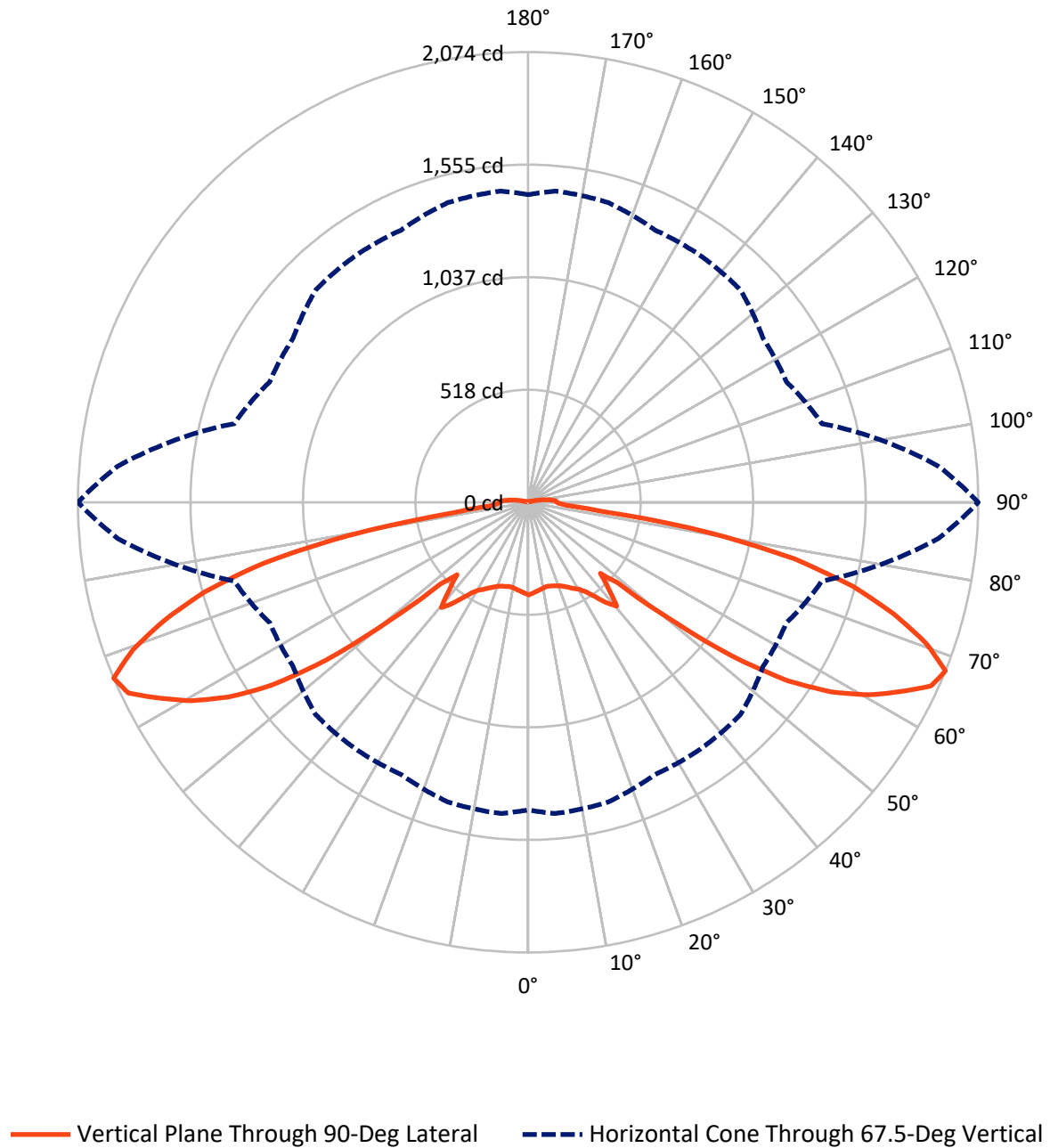


Based on 25 foot mounting height. Maximum calculated value = 0.7 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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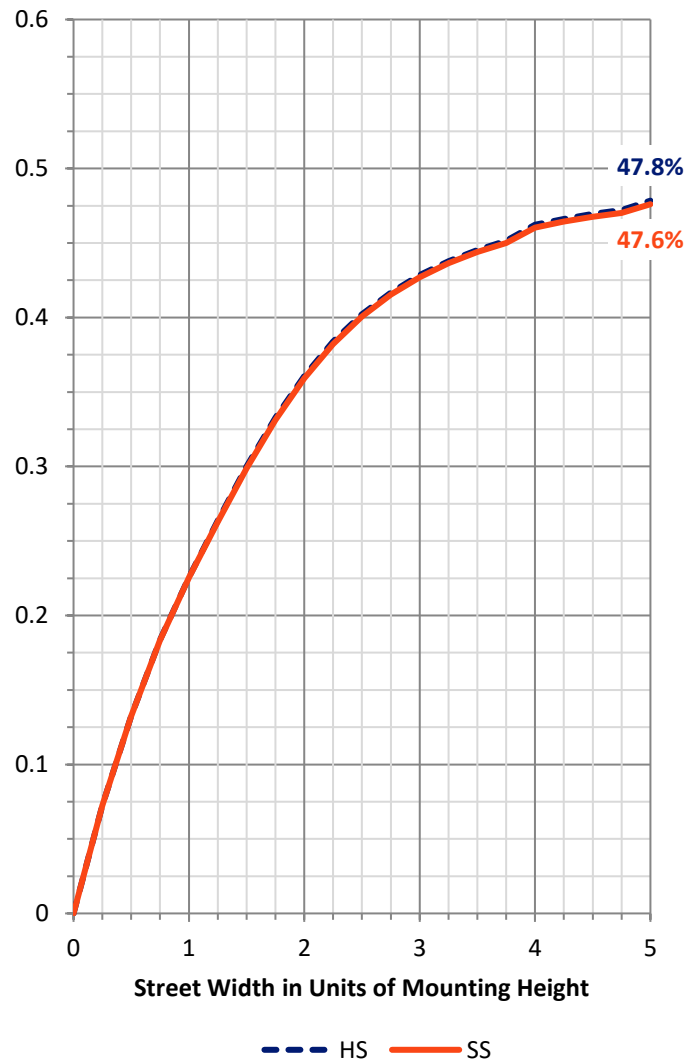
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2249.9	67.1	2317.0
	% Fixture	48.6	1.4	50.0
Street Side	Lumens	2249.9	67.1	2317.0
	% Fixture	48.6	1.4	50.0
Total	Lumens	4499.8	134.2	4634.0
	% Fixture	97.1	2.9	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	38.6	0.8
10°-20°	110.0	2.4
20°-30°	194.7	4.2
30°-40°	328.4	7.1
40°-50°	368.1	7.9
50°-60°	762.0	16.4
60°-70°	1341.2	28.9
70°-80°	1108.3	23.9
80°-90°	248.6	5.4
90°-100°	95.1	2.1
100°-110°	26.9	0.6
110°-120°	8.2	0.2
120°-130°	3.8	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°	4499.8	97.1
0°-180°	4634.0	100.0

Coefficient of Utilization



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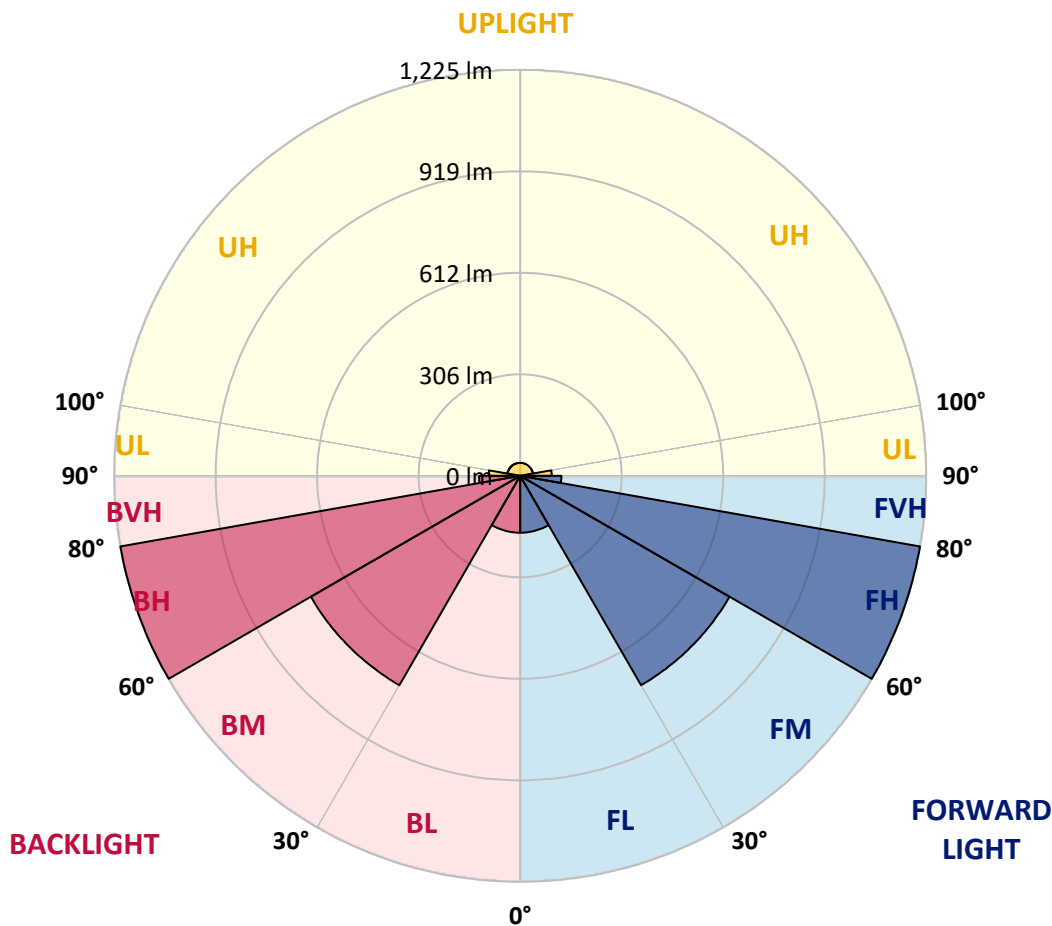
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	171.6	3.7			
FM	(30°-60°)	729.2	15.7			
FH	(60°-80°)	1224.8	26.4			G1/1800
FVH	(80°-90°)	124.3	2.7			G2/225
BL	(0°-30°)	171.6	3.7	B1/500		
BM	(30°-60°)	729.2	15.7	B1/1000		
BH	(60°-80°)	1224.8	26.4	B3/2500		G1/1800
BVH	(80°-90°)	124.3	2.7			G2/225
UL	(90°-100°)	95.1	2.1		U3/500	
UH	(100°-180°)	39.2	0.8		U2/50	

BUG Rating: B3-U3-G2

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	426.4	426.4	426.4	426.4	426.4	426.4	426.4	426.4	426.4	426.4	426.4
2.5°	422.0	422.0	419.1	417.6	419.1	420.6	422.0	422.0	420.6	419.1	419.1
5°	414.7	413.2	411.8	410.3	410.3	413.2	413.2	414.7	413.2	411.8	411.8
7.5°	395.6	395.6	394.2	392.7	395.6	398.6	403.0	404.4	405.9	405.9	405.9
10°	382.5	382.5	381.0	381.0	383.9	388.3	392.7	397.1	398.6	400.0	400.0
12.5°	375.1	375.1	375.1	373.7	378.1	382.5	389.8	392.7	395.6	397.1	397.1
15°	375.1	373.7	373.7	375.1	378.1	383.9	389.8	395.6	398.6	400.0	400.0
17.5°	378.1	376.6	376.6	376.6	381.0	386.9	394.2	398.6	403.0	404.4	404.4
20°	382.5	382.5	382.5	382.5	385.4	392.7	400.0	404.4	408.8	410.3	410.3
22.5°	394.2	394.2	392.7	391.2	394.2	400.0	408.8	413.2	417.6	420.6	420.6
25°	408.8	407.4	407.4	405.9	405.9	411.8	419.1	425.0	430.8	433.7	433.7
27.5°	426.4	425.0	425.0	422.0	422.0	429.3	435.2	441.1	446.9	449.9	449.9
30°	445.5	446.9	444.0	442.5	441.1	446.9	452.8	457.2	461.6	464.5	464.5
32.5°	476.2	476.2	473.3	471.8	470.4	474.8	477.7	480.6	485.0	490.9	492.4
35°	514.3	512.9	512.9	512.9	512.9	515.8	518.7	517.3	526.1	531.9	534.9
37.5°	564.2	565.6	562.7	559.8	558.3	561.2	564.2	568.6	577.3	584.7	586.1
40°	555.4	552.4	555.4	561.2	562.7	575.9	589.1	599.3	614.0	627.2	628.6
42.5°	498.2	502.6	507.0	507.0	505.5	505.5	507.0	508.5	523.1	542.2	542.2
45°	408.8	411.8	417.6	414.7	401.5	395.6	398.6	403.0	419.1	466.0	467.4
47.5°	433.7	439.6	445.5	427.9	411.8	386.9	383.9	381.0	400.0	530.5	552.4
50°	511.4	511.4	518.7	504.1	498.2	483.6	474.8	477.7	518.7	789.8	838.2
52.5°	665.3	662.3	679.9	662.3	656.5	625.7	592.0	609.6	652.1	1080.0	1179.6
55°	807.4	810.3	827.9	810.3	794.2	766.4	721.0	751.7	808.9	1308.6	1450.7
57.5°	961.3	965.7	986.2	952.5	920.2	905.6	863.1	895.3	958.3	1456.6	1647.1
60°	1121.0	1125.4	1135.6	1093.2	1063.8	1056.5	1008.2	1043.3	1119.5	1587.0	1800.9
62.5°	1273.4	1277.8	1271.9	1230.9	1213.3	1214.8	1167.9	1192.8	1274.9	1739.4	1921.1
65°	1370.1	1389.2	1384.8	1339.3	1333.5	1339.3	1289.5	1292.4	1377.4	1858.1	2039.8
67.5°	1417.0	1439.0	1428.7	1383.3	1386.2	1383.3	1320.3	1313.0	1400.9	1899.1	2073.5
70°	1370.1	1370.1	1362.8	1323.2	1321.7	1310.0	1263.1	1251.4	1320.3	1786.3	1944.5
72.5°	1255.8	1255.8	1249.9	1204.5	1195.7	1186.9	1159.1	1138.6	1198.7	1604.6	1762.8
75°	1090.2	1103.4	1096.1	1050.7	1040.4	1034.5	1015.5	995.0	1049.2	1411.1	1544.5
77.5°	871.9	886.5	877.7	844.0	835.3	838.2	825.0	813.3	852.8	1131.3	1254.3
80°	584.7	597.9	581.7	565.6	552.4	565.6	559.8	553.9	575.9	721.0	844.0
82.5°	263.8	266.7	266.7	250.6	240.3	260.8	263.8	268.2	281.3	313.6	344.4
85°	161.2	162.7	159.7	155.3	149.5	153.9	152.4	155.3	161.2	171.4	177.3
87.5°	137.7	137.7	137.7	133.3	129.0	129.0	127.5	129.0	130.4	139.2	142.1
90°	121.6	121.6	121.6	118.7	115.8	115.8	117.2	115.8	118.7	127.5	131.9
92.5°	102.6	104.0	107.0	107.0	107.0	108.4	108.4	108.4	109.9	123.1	127.5
95°	76.2	74.7	80.6	85.0	86.5	89.4	89.4	89.4	92.3	104.0	108.4
97.5°	55.7	55.7	58.6	61.5	64.5	67.4	68.9	68.9	71.8	80.6	82.1
100°	39.6	39.6	42.5	45.4	46.9	51.3	52.8	52.8	52.8	58.6	58.6
102.5°	29.3	27.8	30.8	32.2	33.7	35.2	36.6	36.6	36.6	38.1	38.1
105°	17.6	17.6	19.0	20.5	22.0	22.0	23.4	23.4	22.0	22.0	22.0
107.5°	11.7	11.7	13.2	14.7	14.7	16.1	16.1	16.1	16.1	16.1	16.1
110°	8.8	8.8	10.3	11.7	11.7	13.2	13.2	13.2	13.2	11.7	11.7

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	7.3	7.3	8.8	8.8	10.3	10.3	10.3	10.3	10.3	10.3	10.3
115°	5.9	5.9	7.3	7.3	7.3	8.8	8.8	8.8	8.8	8.8	8.8
117.5°	4.4	4.4	5.9	5.9	7.3	7.3	7.3	7.3	7.3	7.3	7.3
120°	4.4	4.4	4.4	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9
122.5°	2.9	2.9	4.4	4.4	4.4	4.4	4.4	4.4	4.4	5.9	5.9
125°	2.9	2.9	2.9	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
127.5°	2.9	2.9	2.9	2.9	4.4	4.4	4.4	4.4	4.4	4.4	4.4
130°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	4.4	4.4
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)