

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: P691079

Luminaire Tested: **CRTK2-C013-5TLD-U-T5R-7030-SR-CARETAKER**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691079
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-C013-5TLD-U-T5R-7030-SR-CARETAKER
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K LED WITH TYPE V ROUND OPTIC AND SR REFRACTOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3629 lumens
Efficiency: N/A
Efficacy: 156.4 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.29')
IES Classification: Type V - Short
BUG Rating: B2 - U3 - G1

Input Watts (W): 23.2
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



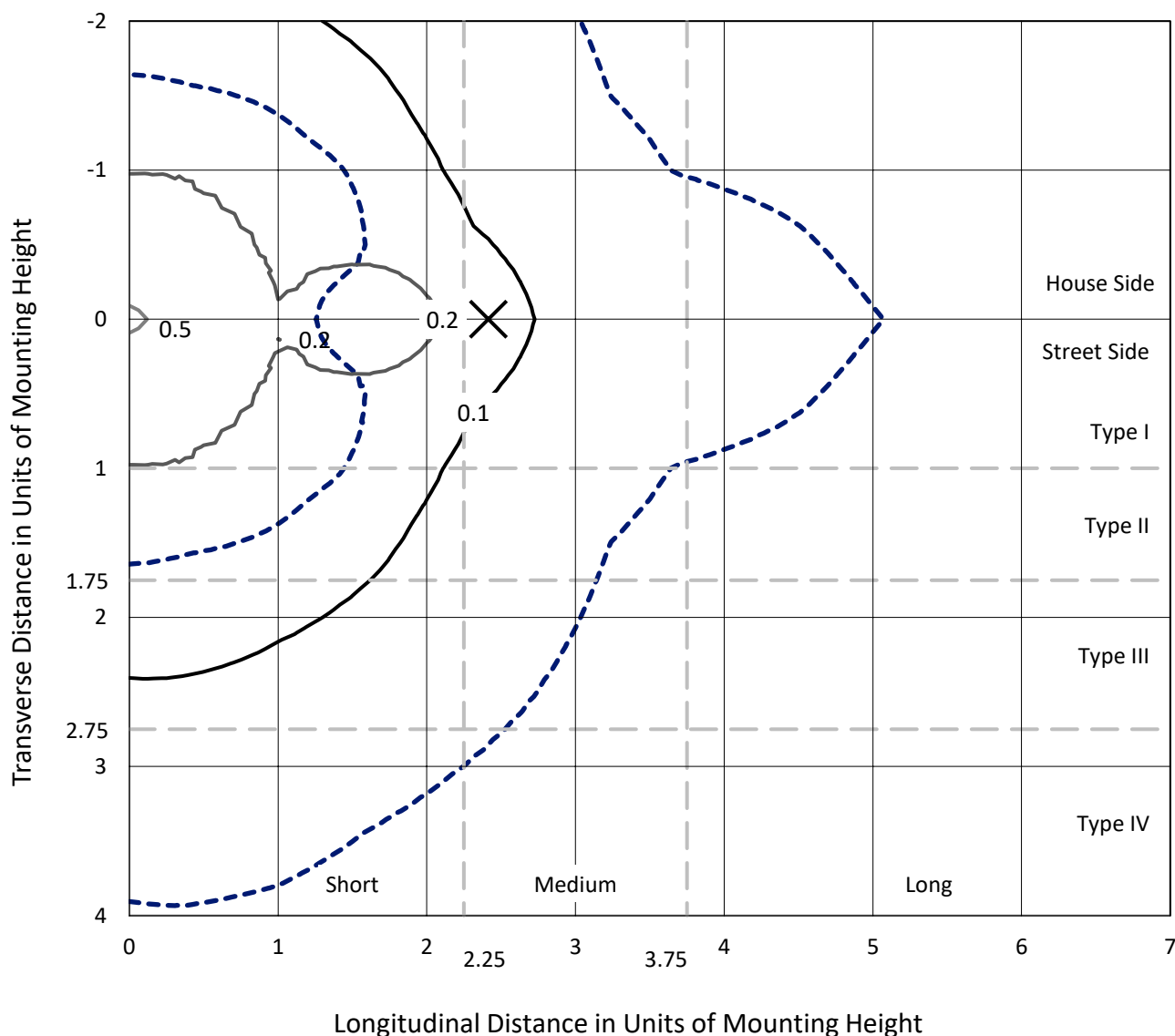
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

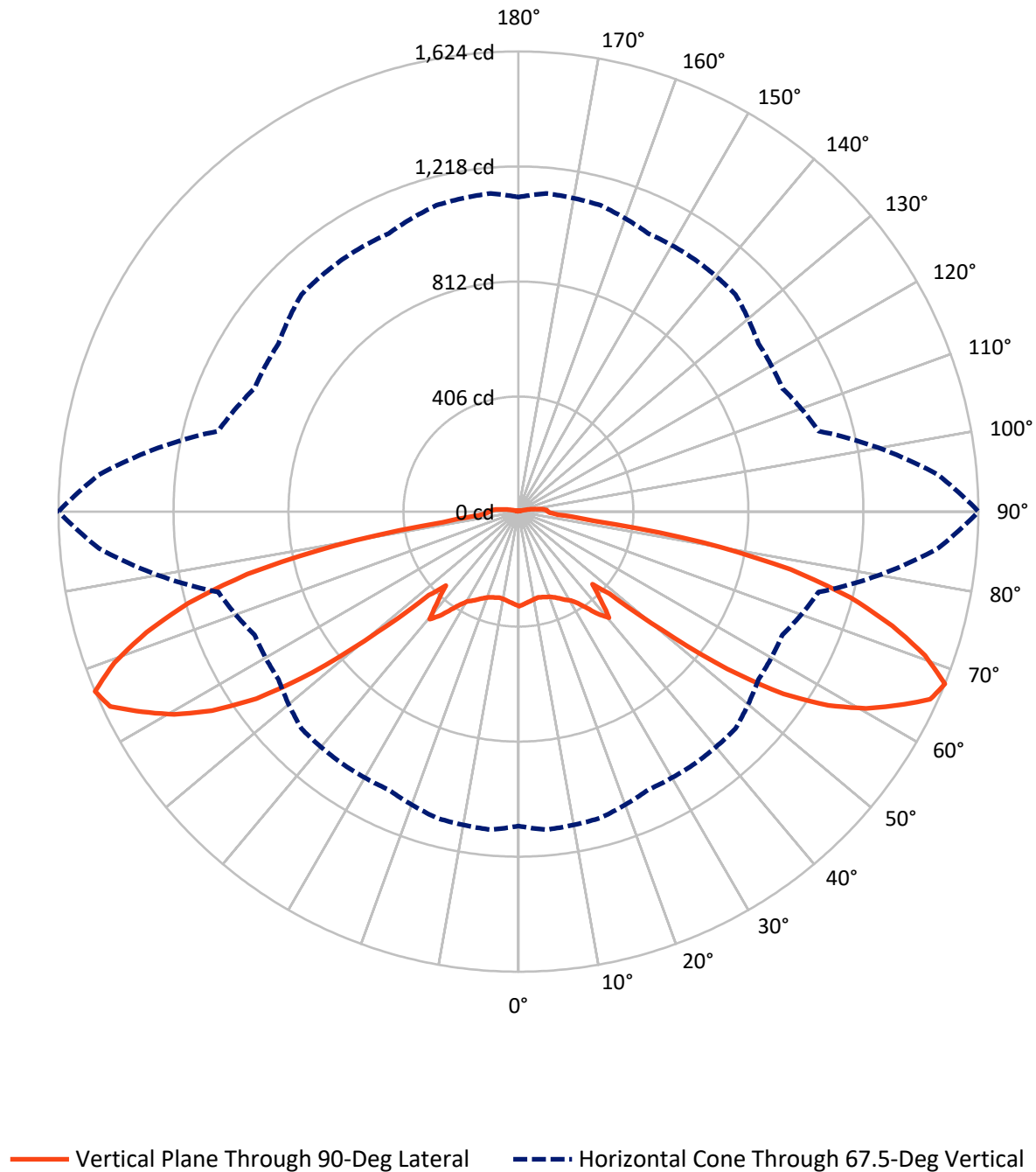


Based on 25 foot mounting height. Maximum calculated value = 0.5 fc

Type V - Short - N/A

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Luminous Intensity Polar Plot



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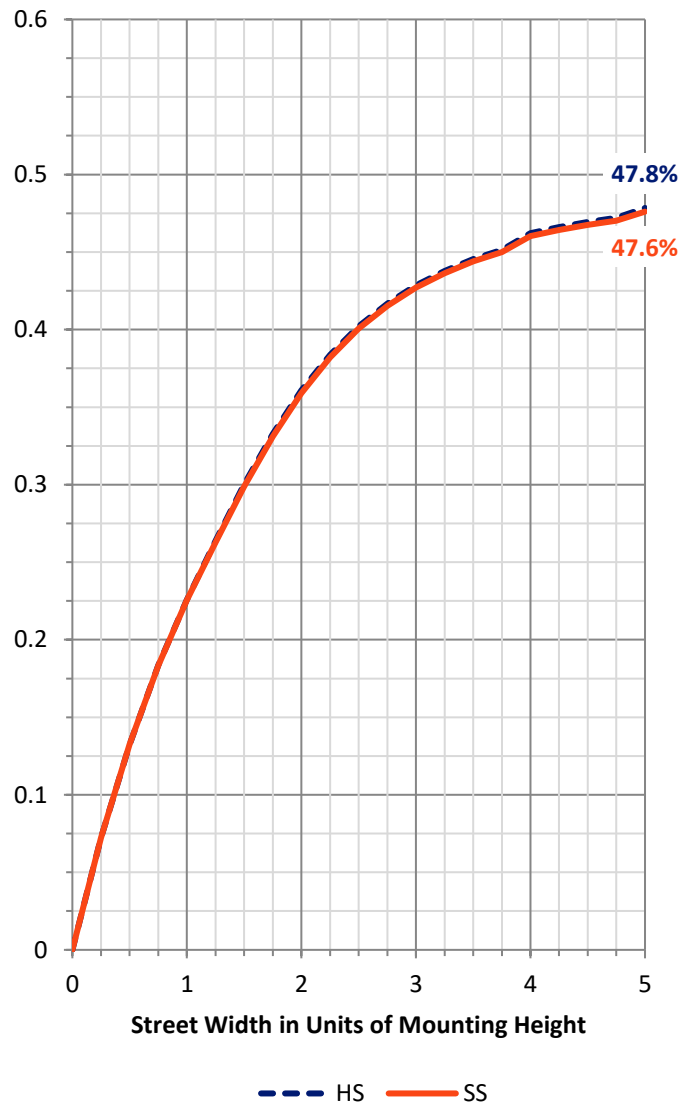
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1762.0	52.5	1814.5
	% Fixture	48.6	1.4	50.0
Street Side	Lumens	1762.0	52.5	1814.5
	% Fixture	48.6	1.4	50.0
Total	Lumens	3523.9	105.1	3629.0
	% Fixture	97.1	2.9	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	30.2	0.8
10°-20°	86.1	2.4
20°-30°	152.4	4.2
30°-40°	257.2	7.1
40°-50°	288.2	7.9
50°-60°	596.7	16.4
60°-70°	1050.3	28.9
70°-80°	868.0	23.9
80°-90°	194.7	5.4
90°-100°	74.4	2.1
100°-110°	21.0	0.6
110°-120°	6.4	0.2
120°-130°	2.9	0.1
130°-140°	0.2	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°	3523.9	97.1
0°-180°	3629.0	100.0

Coefficient of Utilization



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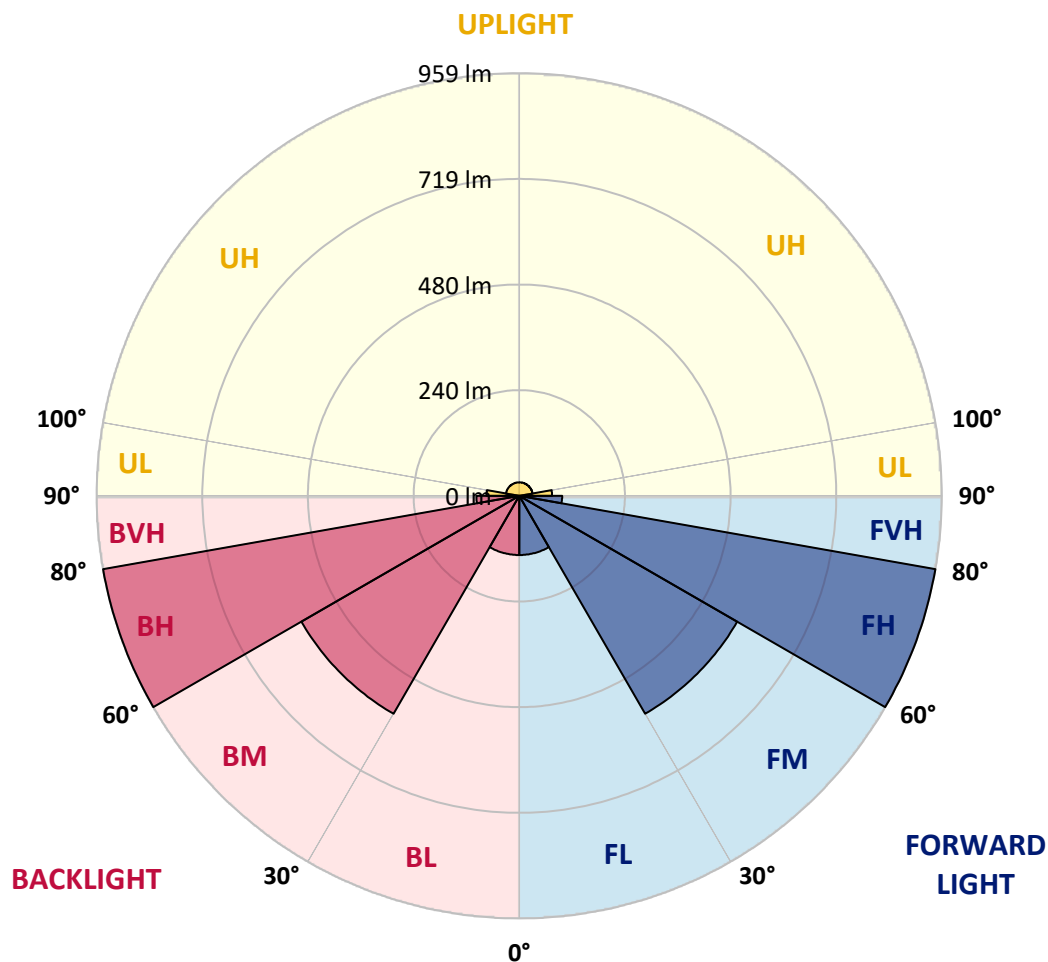
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	134.4	3.7			
FM	(30°-60°)	571.1	15.7			
FH	(60°-80°)	959.1	26.4			G1/1800
FVH	(80°-90°)	97.4	2.7			G1/100
BL	(0°-30°)	134.4	3.7	B1/500		
BM	(30°-60°)	571.1	15.7	B1/1000		
BH	(60°-80°)	959.1	26.4	B2/1000		G1/1800
BVH	(80°-90°)	97.4	2.7			G1/100
UL	(90°-100°)	74.4	2.1		U3/500	
UH	(100°-180°)	30.6	0.8		U2/50	

BUG Rating: B2-U3-G1

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	333.9	333.9	333.9	333.9	333.9	333.9	333.9	333.9	333.9	333.9	333.9
2.5°	330.5	330.5	328.2	327.1	328.2	329.3	330.5	330.5	329.3	328.2	328.2
5°	324.8	323.6	322.5	321.3	321.3	323.6	323.6	324.8	323.6	322.5	322.5
7.5°	309.8	309.8	308.7	307.5	309.8	312.1	315.6	316.7	317.9	317.9	317.9
10°	299.5	299.5	298.4	298.4	300.7	304.1	307.5	311.0	312.1	313.3	313.3
12.5°	293.8	293.8	293.8	292.6	296.1	299.5	305.2	307.5	309.8	311.0	311.0
15°	293.8	292.6	292.6	293.8	296.1	300.7	305.2	309.8	312.1	313.3	313.3
17.5°	296.1	294.9	294.9	294.9	298.4	303.0	308.7	312.1	315.6	316.7	316.7
20°	299.5	299.5	299.5	299.5	301.8	307.5	313.3	316.7	320.2	321.3	321.3
22.5°	308.7	308.7	307.5	306.4	308.7	313.3	320.2	323.6	327.1	329.3	329.3
25°	320.2	319.0	319.0	317.9	317.9	322.5	328.2	332.8	337.4	339.7	339.7
27.5°	333.9	332.8	332.8	330.5	330.5	336.2	340.8	345.4	350.0	352.3	352.3
30°	348.9	350.0	347.7	346.6	345.4	350.0	354.6	358.0	361.5	363.8	363.8
32.5°	373.0	373.0	370.7	369.5	368.4	371.8	374.1	376.4	379.8	384.4	385.6
35°	402.8	401.6	401.6	401.6	401.6	403.9	406.2	405.1	412.0	416.6	418.9
37.5°	441.8	443.0	440.7	438.4	437.2	439.5	441.8	445.3	452.1	457.9	459.0
40°	434.9	432.6	434.9	439.5	440.7	451.0	461.3	469.3	480.8	491.2	492.3
42.5°	390.2	393.6	397.1	397.1	395.9	395.9	397.1	398.2	409.7	424.6	424.6
45°	320.2	322.5	327.1	324.8	314.4	309.8	312.1	315.6	328.2	364.9	366.1
47.5°	339.7	344.3	348.9	335.1	322.5	303.0	300.7	298.4	313.3	415.4	432.6
50°	400.5	400.5	406.2	394.8	390.2	378.7	371.8	374.1	406.2	618.5	656.4
52.5°	521.0	518.7	532.5	518.7	514.1	490.0	463.6	477.4	510.7	845.7	923.8
55°	632.3	634.6	648.4	634.6	622.0	600.2	564.6	588.7	633.5	1024.8	1136.1
57.5°	752.8	756.2	772.3	745.9	720.7	709.2	675.9	701.2	750.5	1140.7	1289.9
60°	877.9	881.3	889.4	856.1	833.1	827.4	789.5	817.1	876.7	1242.8	1410.3
62.5°	997.2	1000.7	996.1	963.9	950.2	951.3	914.6	934.1	998.4	1362.1	1504.4
65°	1073.0	1087.9	1084.4	1048.9	1044.3	1048.9	1009.8	1012.1	1078.7	1455.1	1597.4
67.5°	1109.7	1126.9	1118.9	1083.3	1085.6	1083.3	1033.9	1028.2	1097.1	1487.2	1623.8
70°	1073.0	1073.0	1067.2	1036.2	1035.1	1025.9	989.2	980.0	1033.9	1398.9	1522.8
72.5°	983.5	983.5	978.9	943.3	936.4	929.5	907.7	891.6	938.7	1256.6	1380.5
75°	853.8	864.1	858.4	822.8	814.8	810.2	795.3	779.2	821.6	1105.1	1209.5
77.5°	682.8	694.3	687.4	661.0	654.1	656.4	646.1	636.9	667.9	885.9	982.3
80°	457.9	468.2	455.6	443.0	432.6	443.0	438.4	433.8	451.0	564.6	661.0
82.5°	206.6	208.9	208.9	196.2	188.2	204.3	206.6	210.0	220.3	245.6	269.7
85°	126.2	127.4	125.1	121.6	117.1	120.5	119.3	121.6	126.2	134.3	138.9
87.5°	107.9	107.9	107.9	104.4	101.0	101.0	99.8	101.0	102.1	109.0	111.3
90°	95.2	95.2	95.2	93.0	90.7	90.7	91.8	90.7	93.0	99.8	103.3
92.5°	80.3	81.5	83.8	83.8	83.8	84.9	84.9	84.9	86.1	96.4	99.8
95°	59.7	58.5	63.1	66.6	67.7	70.0	70.0	70.0	72.3	81.5	84.9
97.5°	43.6	43.6	45.9	48.2	50.5	52.8	53.9	53.9	56.2	63.1	64.3
100°	31.0	31.0	33.3	35.6	36.7	40.2	41.3	41.3	41.3	45.9	45.9
102.5°	23.0	21.8	24.1	25.2	26.4	27.5	28.7	28.7	28.7	29.8	29.8
105°	13.8	13.8	14.9	16.1	17.2	17.2	18.4	18.4	17.2	17.2	17.2
107.5°	9.2	9.2	10.3	11.5	11.5	12.6	12.6	12.6	12.6	12.6	12.6
110°	6.9	6.9	8.0	9.2	9.2	10.3	10.3	10.3	10.3	9.2	9.2



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	5.7	5.7	6.9	6.9	8.0	8.0	8.0	8.0	8.0	8.0	8.0
115°	4.6	4.6	5.7	5.7	5.7	6.9	6.9	6.9	6.9	6.9	6.9
117.5°	3.4	3.4	4.6	4.6	5.7	5.7	5.7	5.7	5.7	5.7	5.7
120°	3.4	3.4	3.4	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6
122.5°	2.3	2.3	3.4	3.4	3.4	3.4	3.4	3.4	3.4	4.6	4.6
125°	2.3	2.3	2.3	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
127.5°	2.3	2.3	2.3	2.3	3.4	3.4	3.4	3.4	3.4	3.4	3.4
130°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	3.4	3.4
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)