

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: P691652

Luminaire Tested: **CRTK2-C018-5TLD-U-T5R-8027-SR-CARETAKER**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691652
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-C018-5TLD-U-T5R-8027-SR-CARETAKER
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 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: 7325 lumens
Efficiency: N/A
Efficacy: 136.4 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): 53.7
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

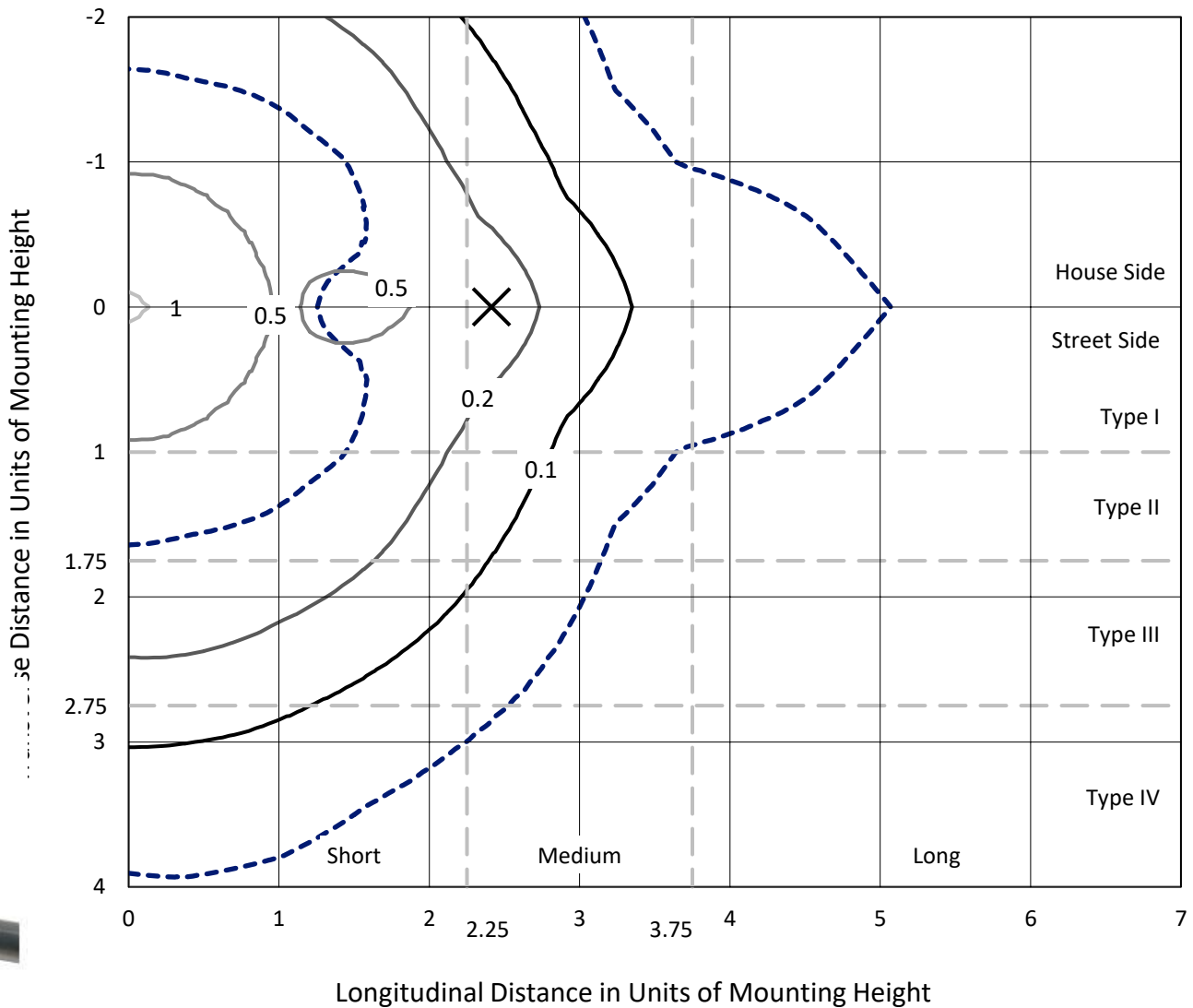


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

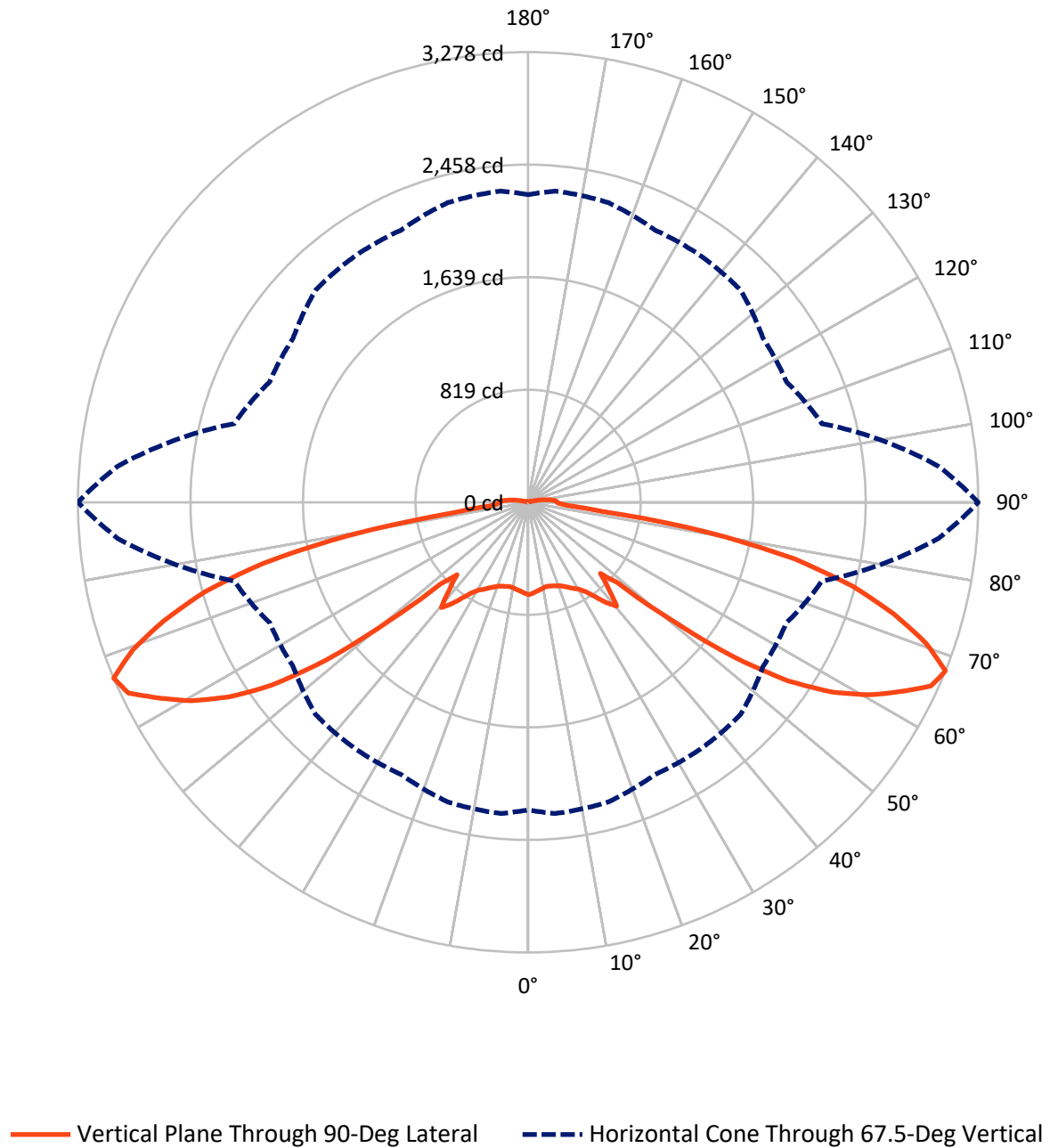


Based on 25 foot mounting height. Maximum calculated value = 1.1 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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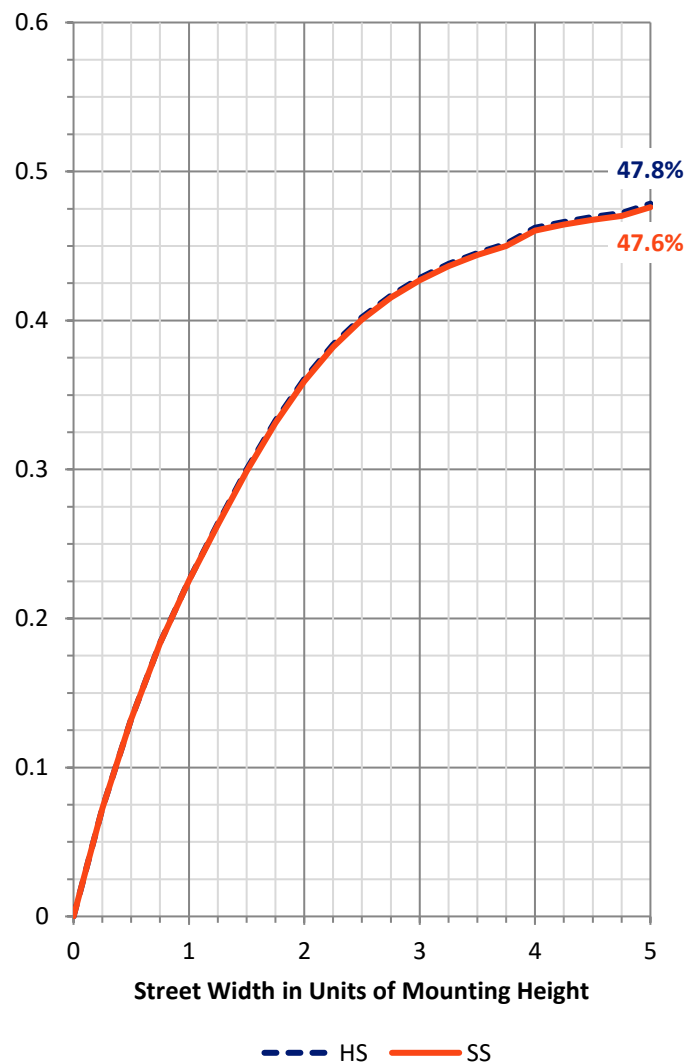
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3556.4	106.1	3662.5
	% Fixture	48.6	1.4	50.0
Street Side	Lumens	3556.4	106.1	3662.5
	% Fixture	48.6	1.4	50.0
Total	Lumens	7112.8	212.1	7325.0
	% Fixture	97.1	2.9	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	61.0	0.8
10°-20°	173.8	2.4
20°-30°	307.7	4.2
30°-40°	519.1	7.1
40°-50°	581.8	7.9
50°-60°	1204.5	16.4
60°-70°	2120.0	28.9
70°-80°	1752.0	23.9
80°-90°	393.0	5.4
90°-100°	150.3	2.1
100°-110°	42.5	0.6
110°-120°	13.0	0.2
120°-130°	5.9	0.1
130°-140°	0.5	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°	7112.8	97.1
0°-180°	7325.0	100.0

Coefficient of Utilization



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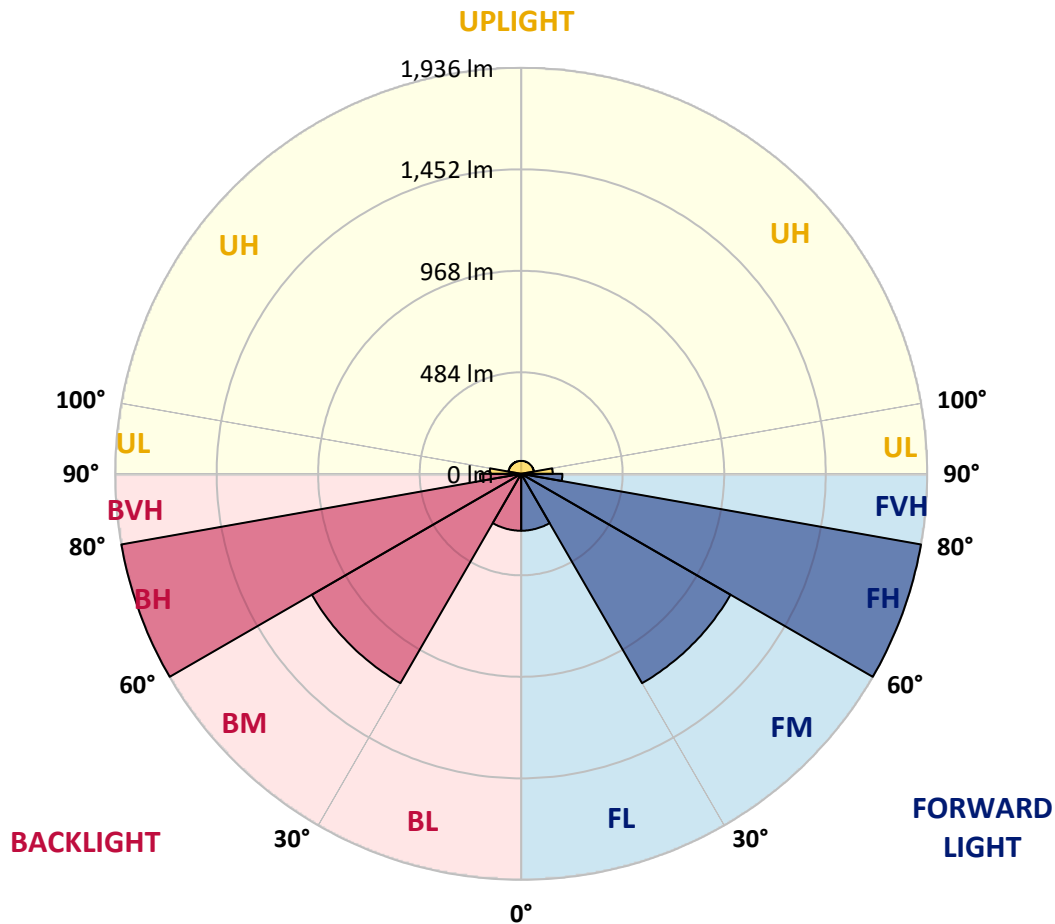
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	271.2	3.7			
FM	(30°-60°)	1152.7	15.7			
FH	(60°-80°)	1936.0	26.4			G2/5000
FVH	(80°-90°)	196.5	2.7			G2/225
BL	(0°-30°)	271.2	3.7	B1/500		
BM	(30°-60°)	1152.7	15.7	B2/2500		
BH	(60°-80°)	1936.0	26.4	B3/2500		G2/5000
BVH	(80°-90°)	196.5	2.7			G2/225
UL	(90°-100°)	150.3	2.1		U3/500	
UH	(100°-180°)	61.9	0.8		U3/500	

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°	674.0	674.0	674.0	674.0	674.0	674.0	674.0	674.0	674.0	674.0	674.0
2.5°	667.1	667.1	662.5	660.1	662.5	664.8	667.1	667.1	664.8	662.5	662.5
5°	655.5	653.2	650.9	648.6	648.6	653.2	653.2	655.5	653.2	650.9	650.9
7.5°	625.4	625.4	623.1	620.8	625.4	630.0	637.0	639.3	641.6	641.6	641.6
10°	604.6	604.6	602.2	602.2	606.9	613.8	620.8	627.7	630.0	632.3	632.3
12.5°	593.0	593.0	593.0	590.7	597.6	604.6	616.1	620.8	625.4	627.7	627.7
15°	593.0	590.7	590.7	593.0	597.6	606.9	616.1	625.4	630.0	632.3	632.3
17.5°	597.6	595.3	595.3	595.3	602.2	611.5	623.1	630.0	637.0	639.3	639.3
20°	604.6	604.6	604.6	604.6	609.2	620.8	632.3	639.3	646.2	648.6	648.6
22.5°	623.1	623.1	620.8	618.5	623.1	632.3	646.2	653.2	660.1	664.8	664.8
25°	646.2	643.9	643.9	641.6	641.6	650.9	662.5	671.7	681.0	685.6	685.6
27.5°	674.0	671.7	671.7	667.1	667.1	678.7	687.9	697.2	706.5	711.1	711.1
30°	704.2	706.5	701.8	699.5	697.2	706.5	715.7	722.7	729.6	734.3	734.3
32.5°	752.8	752.8	748.2	745.8	743.5	750.5	755.1	759.7	766.7	776.0	778.3
35°	813.0	810.7	810.7	810.7	810.7	815.3	820.0	817.7	831.6	840.8	845.4
37.5°	891.8	894.1	889.5	884.8	882.5	887.1	891.8	898.7	912.6	924.2	926.5
40°	877.9	873.2	877.9	887.1	889.5	910.3	931.2	947.4	970.5	991.4	993.7
42.5°	787.5	794.5	801.4	801.4	799.1	799.1	801.4	803.8	826.9	857.0	857.0
45°	646.2	650.9	660.1	655.5	634.7	625.4	630.0	637.0	662.5	736.6	738.9
47.5°	685.6	694.9	704.2	676.4	650.9	611.5	606.9	602.2	632.3	838.5	873.2
50°	808.4	808.4	820.0	796.8	787.5	764.4	750.5	755.1	820.0	1248.5	1324.9
52.5°	1051.6	1047.0	1074.8	1047.0	1037.7	989.1	935.8	963.6	1030.8	1707.1	1864.6
55°	1276.3	1280.9	1308.7	1280.9	1255.4	1211.4	1139.6	1188.3	1278.6	2068.5	2293.1
57.5°	1519.5	1526.4	1558.9	1505.6	1454.6	1431.5	1364.3	1415.3	1514.9	2302.4	2603.5
60°	1772.0	1778.9	1795.1	1728.0	1681.6	1670.0	1593.6	1649.2	1769.6	2508.5	2846.7
62.5°	2012.9	2019.8	2010.5	1945.7	1917.9	1920.2	1846.1	1885.5	2015.2	2749.4	3036.7
65°	2165.7	2195.8	2188.9	2117.1	2107.8	2117.1	2038.3	2043.0	2177.3	2937.1	3224.3
67.5°	2239.9	2274.6	2258.4	2186.6	2191.2	2186.6	2087.0	2075.4	2214.4	3001.9	3277.6
70°	2165.7	2165.7	2154.2	2091.6	2089.3	2070.8	1996.6	1978.1	2087.0	2823.6	3073.7
72.5°	1985.1	1985.1	1975.8	1904.0	1890.1	1876.2	1832.2	1799.8	1894.7	2536.3	2786.5
75°	1723.3	1744.2	1732.6	1660.8	1644.6	1635.3	1605.2	1572.8	1658.5	2230.6	2441.4
77.5°	1378.2	1401.4	1387.5	1334.2	1320.3	1324.9	1304.1	1285.5	1348.1	1788.2	1982.7
80°	924.2	945.0	919.6	894.1	873.2	894.1	884.8	875.6	910.3	1139.6	1334.2
82.5°	416.9	421.6	421.6	396.1	379.9	412.3	416.9	423.9	444.7	495.7	544.3
85°	254.8	257.1	252.5	245.5	236.3	243.2	240.9	245.5	254.8	271.0	280.3
87.5°	217.7	217.7	217.7	210.8	203.8	203.8	201.5	203.8	206.2	220.0	224.7
90°	192.3	192.3	192.3	187.6	183.0	183.0	185.3	183.0	187.6	201.5	208.5
92.5°	162.1	164.5	169.1	169.1	169.1	171.4	171.4	171.4	173.7	194.6	201.5
95°	120.4	118.1	127.4	134.3	136.7	141.3	141.3	141.3	145.9	164.5	171.4
97.5°	88.0	88.0	92.7	97.3	101.9	106.5	108.9	108.9	113.5	127.4	129.7
100°	62.5	62.5	67.2	71.8	74.1	81.1	83.4	83.4	83.4	92.7	92.7
102.5°	46.3	44.0	48.6	51.0	53.3	55.6	57.9	57.9	57.9	60.2	60.2
105°	27.8	27.8	30.1	32.4	34.7	34.7	37.1	37.1	34.7	34.7	34.7
107.5°	18.5	18.5	20.8	23.2	23.2	25.5	25.5	25.5	25.5	25.5	25.5
110°	13.9	13.9	16.2	18.5	18.5	20.8	20.8	20.8	20.8	18.5	18.5

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	11.6	11.6	13.9	13.9	16.2	16.2	16.2	16.2	16.2	16.2	16.2
115°	9.3	9.3	11.6	11.6	11.6	13.9	13.9	13.9	13.9	13.9	13.9
117.5°	6.9	6.9	9.3	9.3	11.6	11.6	11.6	11.6	11.6	11.6	11.6
120°	6.9	6.9	6.9	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3
122.5°	4.6	4.6	6.9	6.9	6.9	6.9	6.9	6.9	6.9	9.3	9.3
125°	4.6	4.6	4.6	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9
127.5°	4.6	4.6	4.6	4.6	6.9	6.9	6.9	6.9	6.9	6.9	6.9
130°	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	6.9	6.9
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)