

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: P691638

Luminaire Tested: **CRTK2-C018-5TLD-U-T5R-7040-SR-CARETAKER**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691638
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-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: 8340 lumens
Efficiency: N/A
Efficacy: 155.3 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

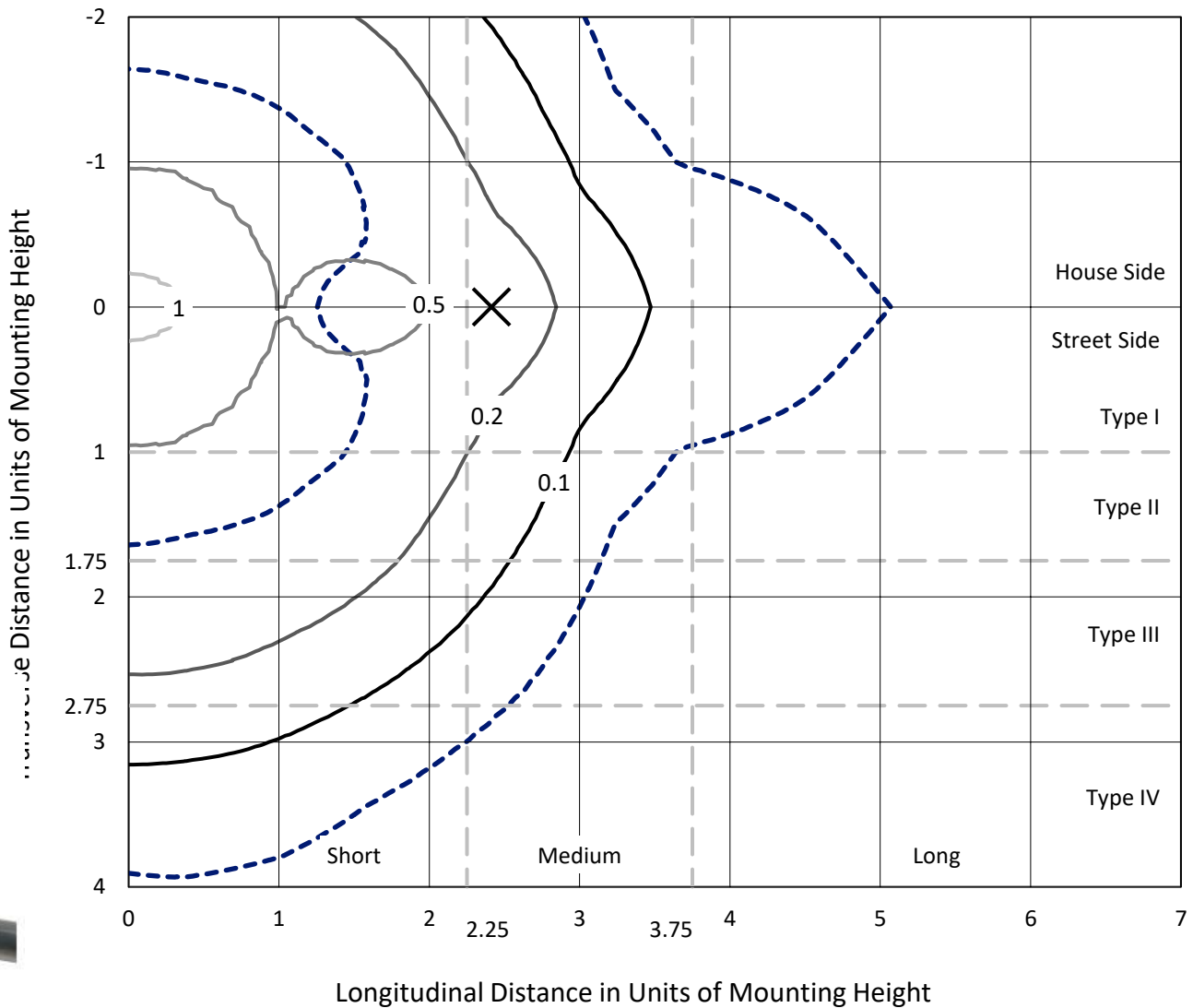


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

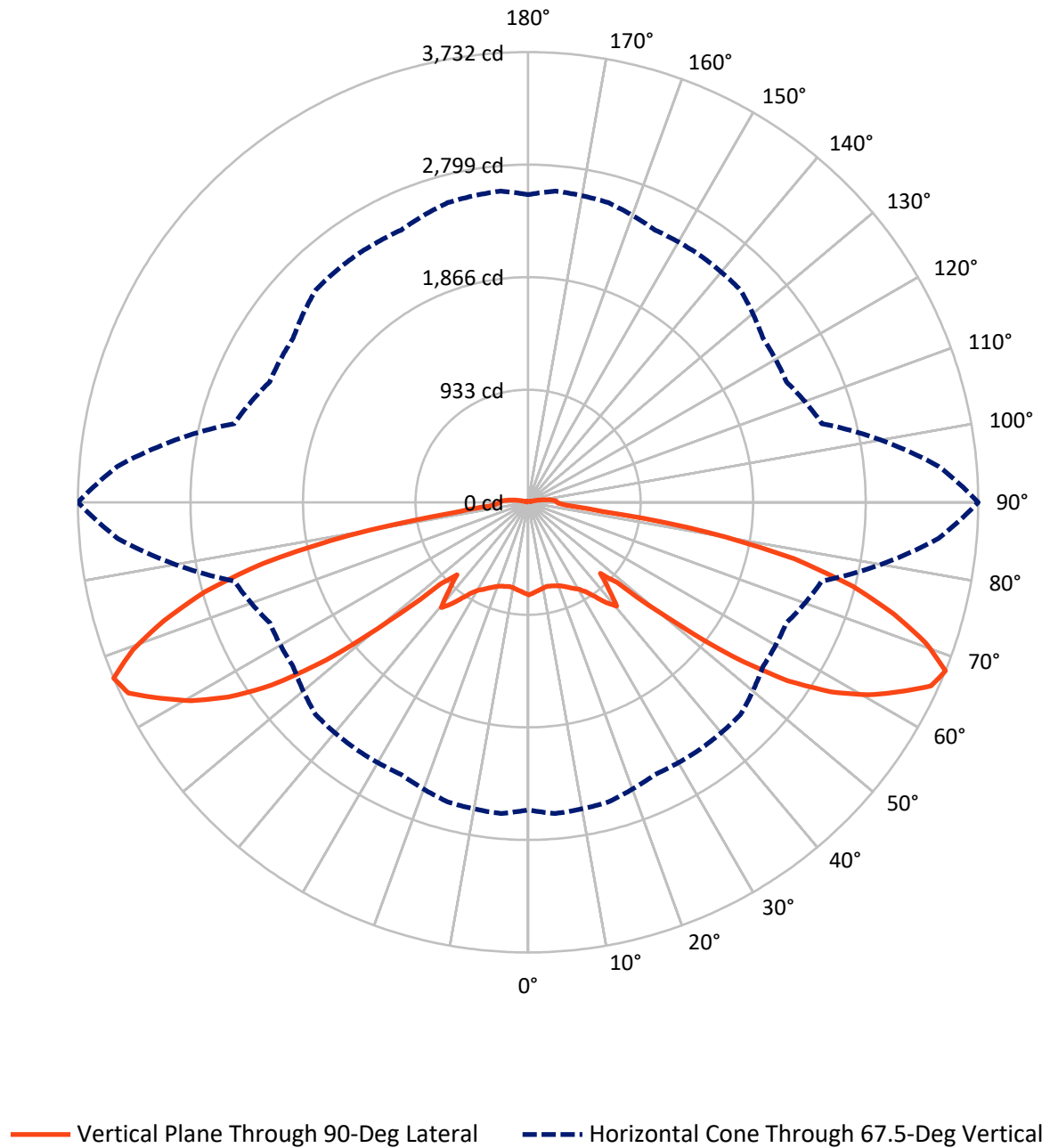


Based on 25 foot mounting height. Maximum calculated value = 1.2 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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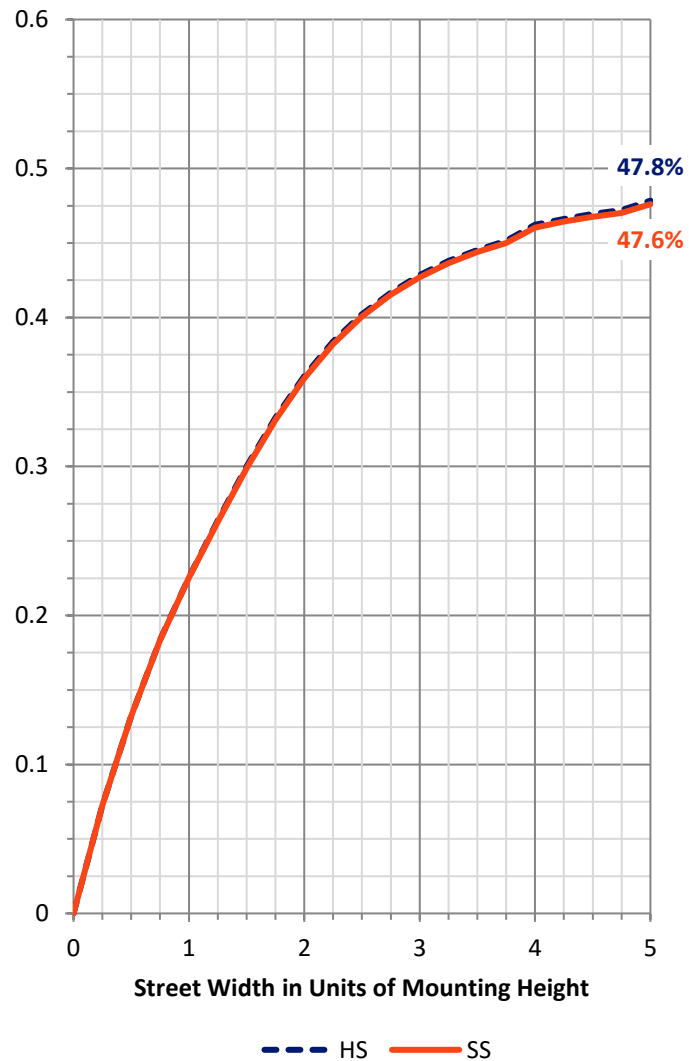
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4049.2	120.8	4170.0
	% Fixture	48.6	1.4	50.0
Street Side	Lumens	4049.2	120.8	4170.0
	% Fixture	48.6	1.4	50.0
Total	Lumens	8098.4	241.6	8340.0
	% Fixture	97.1	2.9	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	69.4	0.8
10°-20°	197.9	2.4
20°-30°	350.3	4.2
30°-40°	591.0	7.1
40°-50°	662.4	7.9
50°-60°	1371.4	16.4
60°-70°	2413.8	28.9
70°-80°	1994.7	23.9
80°-90°	447.5	5.4
90°-100°	171.1	2.1
100°-110°	48.4	0.6
110°-120°	14.8	0.2
120°-130°	6.8	0.1
130°-140°	0.6	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°	8098.4	97.1
0°-180°	8340.0	100.0

Coefficient of Utilization



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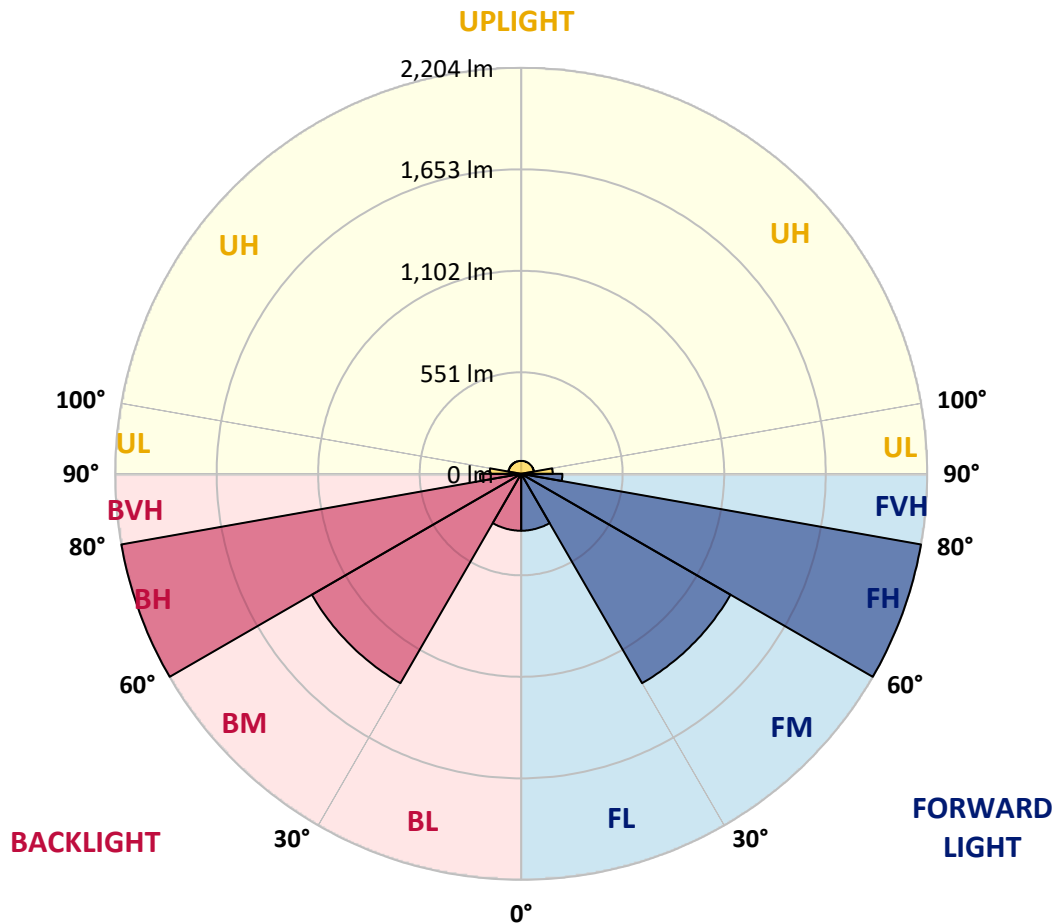
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	308.8	3.7			
FM	(30°-60°)	1312.4	15.7			
FH	(60°-80°)	2204.2	26.4			G2/5000
FVH	(80°-90°)	223.7	2.7			G2/225
BL	(0°-30°)	308.8	3.7	B1/500		
BM	(30°-60°)	1312.4	15.7	B2/2500		
BH	(60°-80°)	2204.2	26.4	B3/2500		G2/5000
BVH	(80°-90°)	223.7	2.7			G2/225
UL	(90°-100°)	171.1	2.1		U3/500	
UH	(100°-180°)	70.5	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°	767.4	767.4	767.4	767.4	767.4	767.4	767.4	767.4	767.4	767.4	767.4
2.5°	759.5	759.5	754.3	751.6	754.3	756.9	759.5	759.5	756.9	754.3	754.3
5°	746.3	743.7	741.1	738.4	738.4	743.7	743.7	746.3	743.7	741.1	741.1
7.5°	712.1	712.1	709.4	706.8	712.1	717.3	725.2	727.9	730.5	730.5	730.5
10°	688.3	688.3	685.7	685.7	691.0	698.9	706.8	714.7	717.3	720.0	720.0
12.5°	675.1	675.1	675.1	672.5	680.4	688.3	701.5	706.8	712.1	714.7	714.7
15°	675.1	672.5	672.5	675.1	680.4	691.0	701.5	712.1	717.3	720.0	720.0
17.5°	680.4	677.8	677.8	677.8	685.7	696.2	709.4	717.3	725.2	727.9	727.9
20°	688.3	688.3	688.3	688.3	693.6	706.8	720.0	727.9	735.8	738.4	738.4
22.5°	709.4	709.4	706.8	704.1	709.4	720.0	735.8	743.7	751.6	756.9	756.9
25°	735.8	733.2	733.2	730.5	730.5	741.1	754.3	764.8	775.4	780.6	780.6
27.5°	767.4	764.8	764.8	759.5	759.5	772.7	783.3	793.8	804.4	809.6	809.6
30°	801.7	804.4	799.1	796.5	793.8	804.4	814.9	822.8	830.7	836.0	836.0
32.5°	857.1	857.1	851.8	849.2	846.6	854.5	859.7	865.0	872.9	883.5	886.1
35°	925.7	923.0	923.0	923.0	923.0	928.3	933.6	931.0	946.8	957.3	962.6
37.5°	1015.3	1018.0	1012.7	1007.4	1004.8	1010.1	1015.3	1023.3	1039.1	1052.3	1054.9
40°	999.5	994.2	999.5	1010.1	1012.7	1036.4	1060.2	1078.6	1105.0	1128.7	1131.4
42.5°	896.7	904.6	912.5	912.5	909.9	909.9	912.5	915.1	941.5	975.8	975.8
45°	735.8	741.1	751.6	746.3	722.6	712.1	717.3	725.2	754.3	838.6	841.3
47.5°	780.6	791.2	801.7	770.1	741.1	696.2	691.0	685.7	720.0	954.7	994.2
50°	920.4	920.4	933.6	907.2	896.7	870.3	854.5	859.7	933.6	1421.5	1508.5
52.5°	1197.3	1192.0	1223.7	1192.0	1181.5	1126.1	1065.5	1097.1	1173.6	1943.7	2123.0
55°	1453.1	1458.4	1490.0	1458.4	1429.4	1379.3	1297.5	1352.9	1455.8	2355.1	2610.9
57.5°	1730.0	1738.0	1774.9	1714.2	1656.2	1629.8	1553.3	1611.4	1724.8	2621.4	2964.3
60°	2017.5	2025.4	2043.9	1967.4	1914.6	1901.5	1814.4	1877.7	2014.9	2856.1	3241.2
62.5°	2291.8	2299.7	2289.1	2215.3	2183.6	2186.3	2101.9	2146.7	2294.4	3130.4	3457.4
65°	2465.8	2500.1	2492.2	2410.5	2399.9	2410.5	2320.8	2326.1	2479.0	3344.0	3671.1
67.5°	2550.2	2589.8	2571.3	2489.6	2494.8	2489.6	2376.2	2363.0	2521.2	3417.9	3731.7
70°	2465.8	2465.8	2452.6	2381.4	2378.8	2357.7	2273.3	2252.2	2376.2	3214.8	3499.6
72.5°	2260.1	2260.1	2249.6	2167.8	2152.0	2136.2	2086.1	2049.1	2157.3	2887.8	3172.6
75°	1962.1	1985.9	1972.7	1890.9	1872.5	1861.9	1827.6	1790.7	1888.3	2539.7	2779.7
77.5°	1569.2	1595.5	1579.7	1519.1	1503.2	1508.5	1484.8	1463.7	1534.9	2036.0	2257.5
80°	1052.3	1076.0	1047.0	1018.0	994.2	1018.0	1007.4	996.9	1036.4	1297.5	1519.1
82.5°	474.7	480.0	480.0	451.0	432.5	469.4	474.7	482.6	506.4	564.4	619.8
85°	290.1	292.7	287.5	279.5	269.0	276.9	274.3	279.5	290.1	308.6	319.1
87.5°	247.9	247.9	247.9	240.0	232.1	232.1	229.4	232.1	234.7	250.5	255.8
90°	218.9	218.9	218.9	213.6	208.3	208.3	211.0	208.3	213.6	229.4	237.4
92.5°	184.6	187.2	192.5	192.5	192.5	195.2	195.2	195.2	197.8	221.5	229.4
95°	137.1	134.5	145.0	153.0	155.6	160.9	160.9	160.9	166.1	187.2	195.2
97.5°	100.2	100.2	105.5	110.8	116.0	121.3	124.0	124.0	129.2	145.0	147.7
100°	71.2	71.2	76.5	81.8	84.4	92.3	94.9	94.9	94.9	105.5	105.5
102.5°	52.7	50.1	55.4	58.0	60.7	63.3	65.9	65.9	65.9	68.6	68.6
105°	31.6	31.6	34.3	36.9	39.6	39.6	42.2	42.2	39.6	39.6	39.6
107.5°	21.1	21.1	23.7	26.4	26.4	29.0	29.0	29.0	29.0	29.0	29.0
110°	15.8	15.8	18.5	21.1	21.1	23.7	23.7	23.7	23.7	21.1	21.1

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	13.2	13.2	15.8	15.8	18.5	18.5	18.5	18.5	18.5	18.5	18.5
115°	10.5	10.5	13.2	13.2	13.2	15.8	15.8	15.8	15.8	15.8	15.8
117.5°	7.9	7.9	10.5	10.5	13.2	13.2	13.2	13.2	13.2	13.2	13.2
120°	7.9	7.9	7.9	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5
122.5°	5.3	5.3	7.9	7.9	7.9	7.9	7.9	7.9	7.9	10.5	10.5
125°	5.3	5.3	5.3	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9
127.5°	5.3	5.3	5.3	5.3	7.9	7.9	7.9	7.9	7.9	7.9	7.9
130°	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	7.9	7.9
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)