

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: P691836

Luminaire Tested: **CRTK2-C01H-5TLD-U-T5R-8027-SR-CARETAKER**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691836
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-C01H-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: 9285 lumens
Efficiency: N/A
Efficacy: 124.0 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.29')
IES Classification: Type V - Short
BUG Rating: B3 - U3 - G3

Input Watts (W): 74.9
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

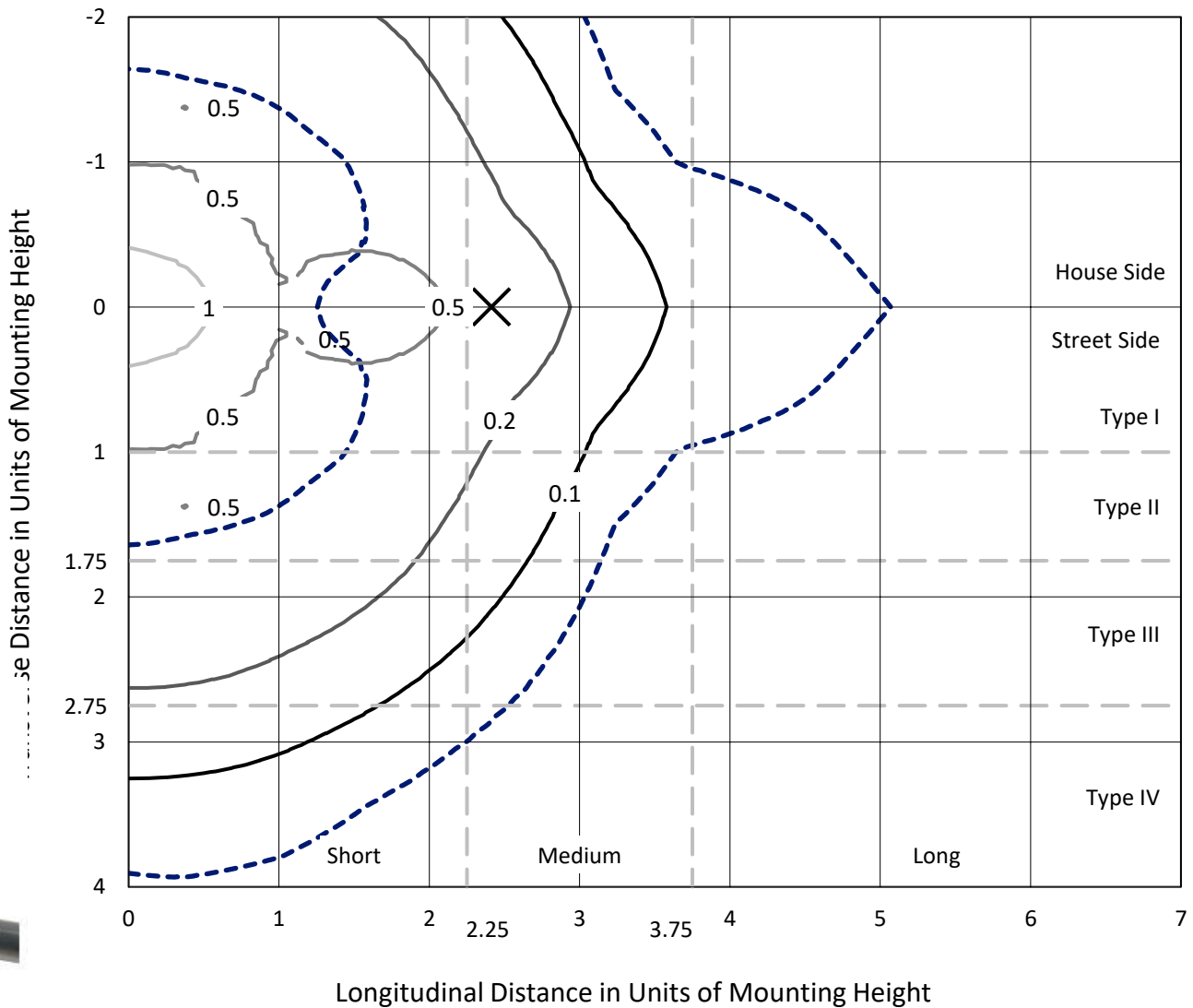


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 --- 1/2 Max cd

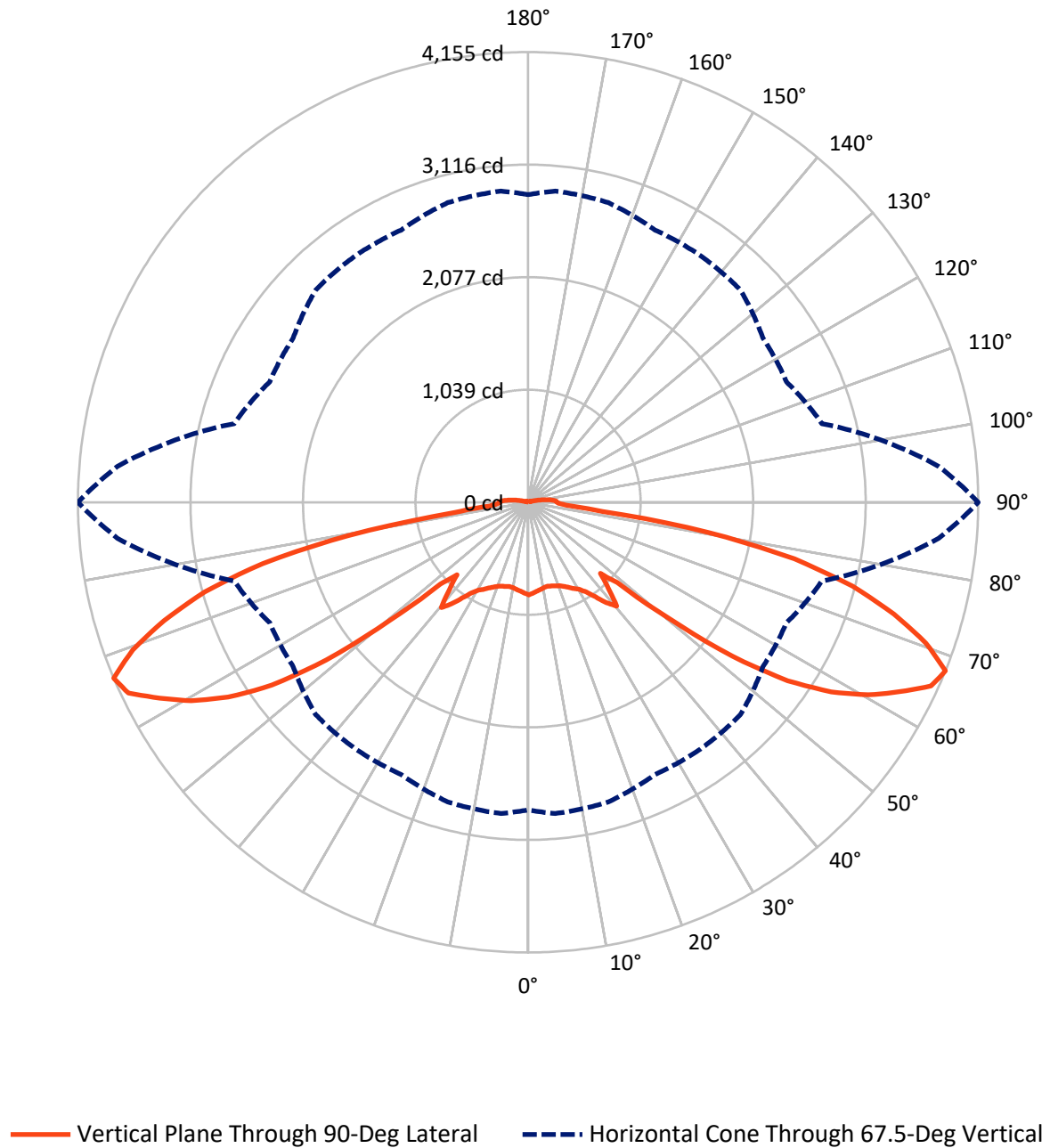


Based on 25 foot mounting height. Maximum calculated value = 1.4 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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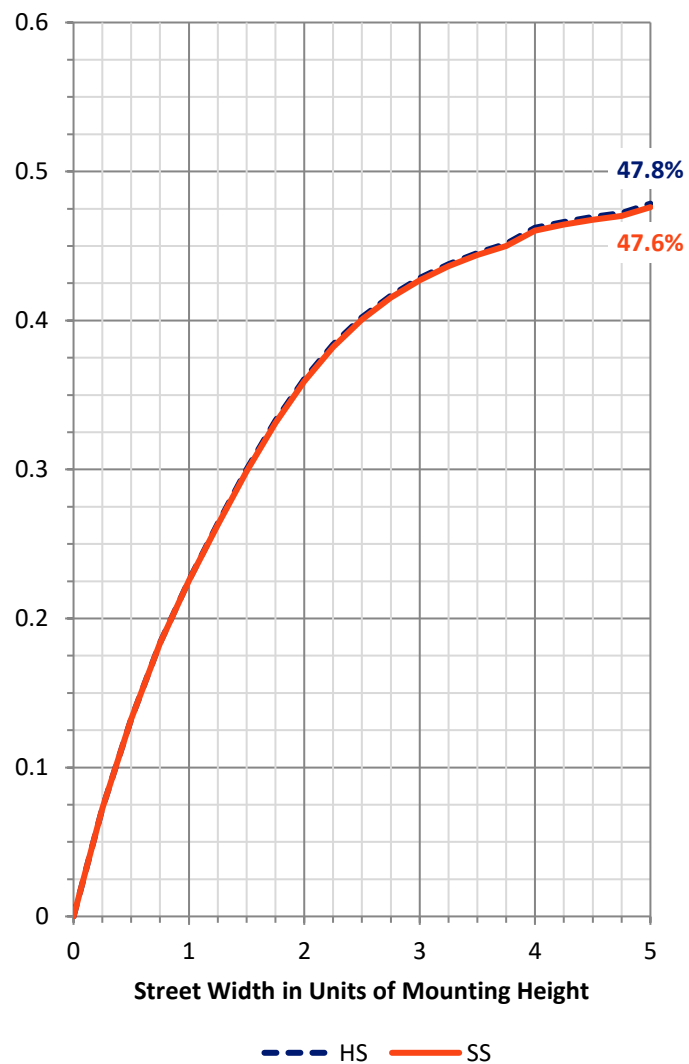
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4508.0	134.5	4642.5
	% Fixture	48.6	1.4	50.0
Street Side	Lumens	4508.0	134.5	4642.5
	% Fixture	48.6	1.4	50.0
Total	Lumens	9016.1	269.0	9285.0
	% Fixture	97.1	2.9	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	77.3	0.8
10°-20°	220.3	2.4
20°-30°	390.0	4.2
30°-40°	658.0	7.1
40°-50°	737.5	7.9
50°-60°	1526.8	16.4
60°-70°	2687.3	28.9
70°-80°	2220.7	23.9
80°-90°	498.2	5.4
90°-100°	190.5	2.1
100°-110°	53.8	0.6
110°-120°	16.5	0.2
120°-130°	7.5	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°	9016.1	97.1
0°-180°	9285.0	100.0

Coefficient of Utilization



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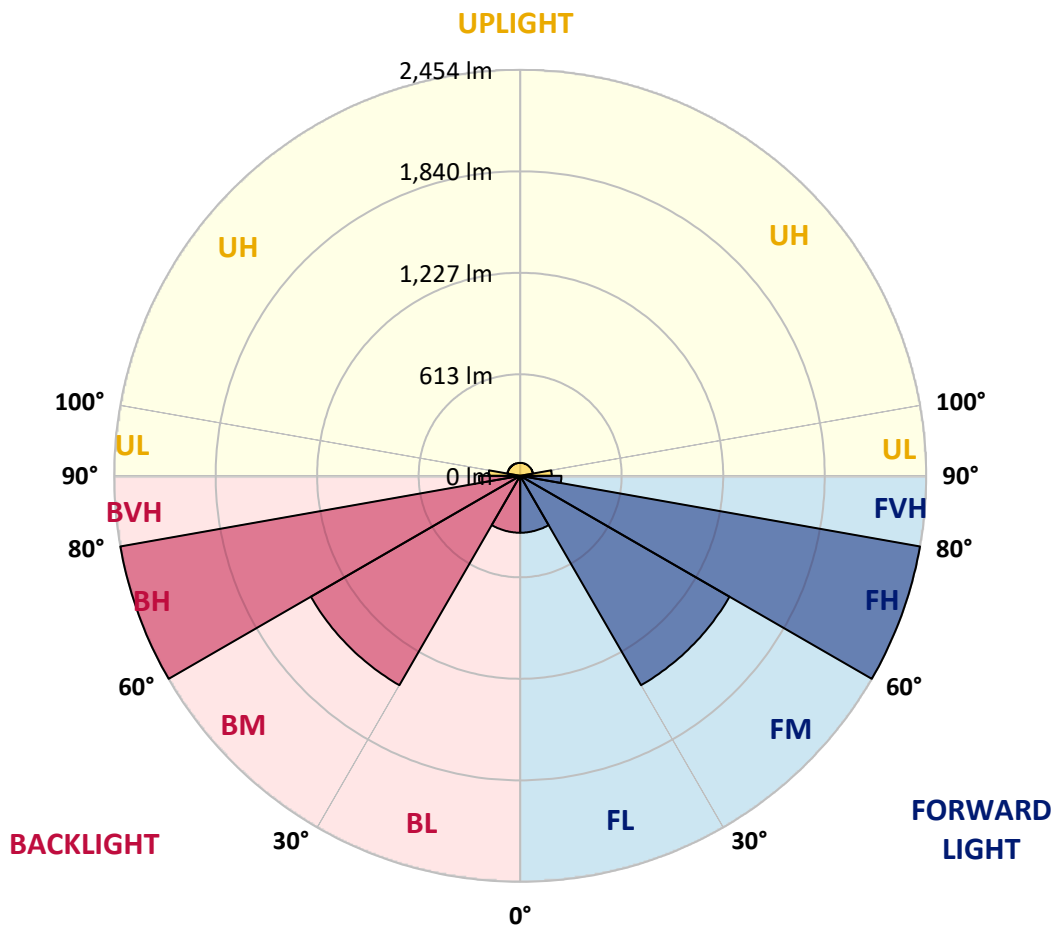
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	343.8	3.7			
FM	(30°-60°)	1461.1	15.7			
FH	(60°-80°)	2454.0	26.4			G2/5000
FVH	(80°-90°)	249.1	2.7			G3/500
BL	(0°-30°)	343.8	3.7	B1/500		
BM	(30°-60°)	1461.1	15.7	B2/2500		
BH	(60°-80°)	2454.0	26.4	B3/2500		G2/5000
BVH	(80°-90°)	249.1	2.7			G3/500
UL	(90°-100°)	190.5	2.1		U3/500	
UH	(100°-180°)	78.5	0.8		U3/500	

BUG Rating: B3-U3-G3

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	854.4	854.4	854.4	854.4	854.4	854.4	854.4	854.4	854.4	854.4	854.4
2.5°	845.6	845.6	839.7	836.8	839.7	842.7	845.6	845.6	842.7	839.7	839.7
5°	830.9	828.0	825.0	822.1	822.1	828.0	828.0	830.9	828.0	825.0	825.0
7.5°	792.7	792.7	789.8	786.9	792.7	798.6	807.4	810.4	813.3	813.3	813.3
10°	766.3	766.3	763.4	763.4	769.3	778.1	786.9	795.7	798.6	801.6	801.6
12.5°	751.6	751.6	751.6	748.7	757.5	766.3	781.0	786.9	792.7	795.7	795.7
15°	751.6	748.7	748.7	751.6	757.5	769.3	781.0	792.7	798.6	801.6	801.6
17.5°	757.5	754.6	754.6	754.6	763.4	775.1	789.8	798.6	807.4	810.4	810.4
20°	766.3	766.3	766.3	766.3	772.2	786.9	801.6	810.4	819.2	822.1	822.1
22.5°	789.8	789.8	786.9	783.9	789.8	801.6	819.2	828.0	836.8	842.7	842.7
25°	819.2	816.2	816.2	813.3	813.3	825.0	839.7	851.5	863.2	869.1	869.1
27.5°	854.4	851.5	851.5	845.6	845.6	860.3	872.0	883.8	895.5	901.4	901.4
30°	892.6	895.5	889.6	886.7	883.8	895.5	907.2	916.1	924.9	930.7	930.7
32.5°	954.2	954.2	948.4	945.4	942.5	951.3	957.2	963.0	971.8	983.6	986.5
35°	1030.6	1027.6	1027.6	1027.6	1027.6	1033.5	1039.4	1036.4	1054.1	1065.8	1071.7
37.5°	1130.4	1133.3	1127.5	1121.6	1118.6	1124.5	1130.4	1139.2	1156.8	1171.5	1174.4
40°	1112.8	1106.9	1112.8	1124.5	1127.5	1153.9	1180.3	1200.9	1230.2	1256.6	1259.6
42.5°	998.3	1007.1	1015.9	1015.9	1012.9	1012.9	1015.9	1018.8	1048.2	1086.4	1086.4
45°	819.2	825.0	836.8	830.9	804.5	792.7	798.6	807.4	839.7	933.7	936.6
47.5°	869.1	880.8	892.6	857.3	825.0	775.1	769.3	763.4	801.6	1062.9	1106.9
50°	1024.7	1024.7	1039.4	1010.0	998.3	968.9	951.3	957.2	1039.4	1582.5	1679.4
52.5°	1333.0	1327.1	1362.3	1327.1	1315.4	1253.7	1186.2	1221.4	1306.6	2163.9	2363.5
55°	1617.8	1623.7	1658.9	1623.7	1591.4	1535.6	1444.6	1506.2	1620.7	2621.9	2906.7
57.5°	1926.1	1934.9	1976.0	1908.5	1843.9	1814.5	1729.4	1793.9	1920.2	2918.5	3300.2
60°	2246.1	2254.9	2275.5	2190.3	2131.6	2116.9	2020.0	2090.5	2243.2	3179.8	3608.4
62.5°	2551.5	2560.3	2548.5	2466.3	2431.1	2434.0	2340.1	2390.0	2554.4	3485.1	3849.2
65°	2745.2	2783.4	2774.6	2683.6	2671.8	2683.6	2583.8	2589.6	2759.9	3723.0	4087.0
67.5°	2839.2	2883.2	2862.7	2771.7	2777.5	2771.7	2645.4	2630.7	2806.9	3805.2	4154.6
70°	2745.2	2745.2	2730.6	2651.3	2648.3	2624.9	2530.9	2507.4	2645.4	3579.1	3896.2
72.5°	2516.2	2516.2	2504.5	2413.5	2395.8	2378.2	2322.4	2281.3	2401.7	3215.0	3532.1
75°	2184.4	2210.9	2196.2	2105.2	2084.6	2072.9	2034.7	1993.6	2102.2	2827.4	3094.6
77.5°	1747.0	1776.3	1758.7	1691.2	1673.6	1679.4	1653.0	1629.5	1708.8	2266.7	2513.3
80°	1171.5	1197.9	1165.6	1133.3	1106.9	1133.3	1121.6	1109.8	1153.9	1444.6	1691.2
82.5°	528.5	534.4	534.4	502.1	481.5	522.6	528.5	537.3	563.7	628.3	690.0
85°	323.0	325.9	320.0	311.2	299.5	308.3	305.4	311.2	323.0	343.5	355.3
87.5°	276.0	276.0	276.0	267.2	258.4	258.4	255.4	258.4	261.3	278.9	284.8
90°	243.7	243.7	243.7	237.8	232.0	232.0	234.9	232.0	237.8	255.4	264.2
92.5°	205.5	208.5	214.3	214.3	214.3	217.3	217.3	217.3	220.2	246.6	255.4
95°	152.7	149.7	161.5	170.3	173.2	179.1	179.1	179.1	185.0	208.5	217.3
97.5°	111.6	111.6	117.4	123.3	129.2	135.1	138.0	138.0	143.9	161.5	164.4
100°	79.3	79.3	85.1	91.0	94.0	102.8	105.7	105.7	105.7	117.4	117.4
102.5°	58.7	55.8	61.7	64.6	67.5	70.5	73.4	73.4	73.4	76.3	76.3
105°	35.2	35.2	38.2	41.1	44.0	44.0	47.0	47.0	44.0	44.0	44.0
107.5°	23.5	23.5	26.4	29.4	29.4	32.3	32.3	32.3	32.3	32.3	32.3
110°	17.6	17.6	20.6	23.5	23.5	26.4	26.4	26.4	26.4	23.5	23.5

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	14.7	14.7	17.6	17.6	20.6	20.6	20.6	20.6	20.6	20.6	20.6
115°	11.7	11.7	14.7	14.7	14.7	17.6	17.6	17.6	17.6	17.6	17.6
117.5°	8.8	8.8	11.7	11.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7
120°	8.8	8.8	8.8	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
122.5°	5.9	5.9	8.8	8.8	8.8	8.8	8.8	8.8	8.8	11.7	11.7
125°	5.9	5.9	5.9	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8
127.5°	5.9	5.9	5.9	5.9	8.8	8.8	8.8	8.8	8.8	8.8	8.8
130°	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	8.8	8.8
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)