

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: P690902

Luminaire Tested: **CRTK2-C01-5TLD-U-T5R-7040-SR-CARETAKER**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P690902
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-C01-5TLD-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: 9109 lumens
Efficiency: N/A
Efficacy: 151.8 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): 60
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

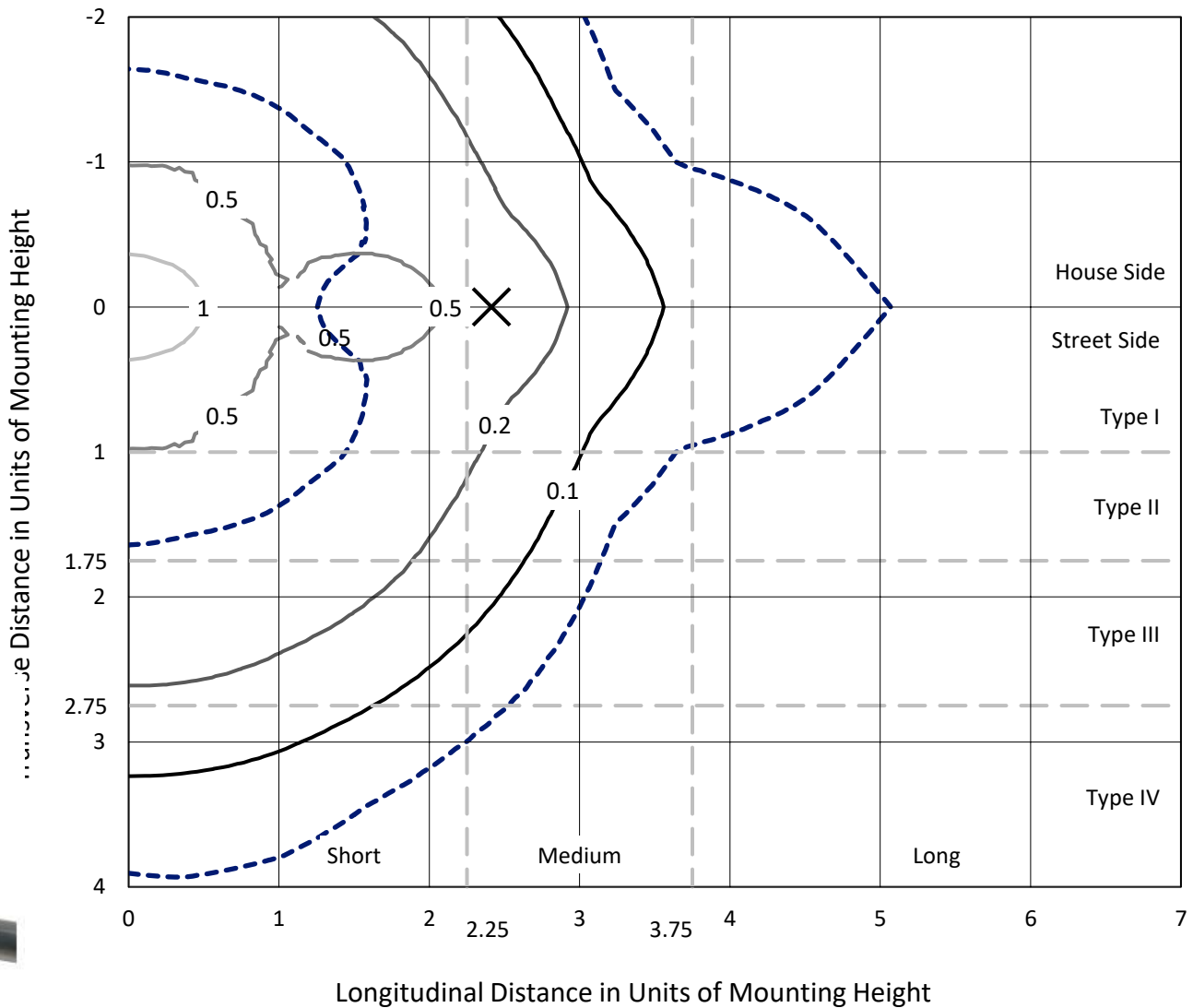


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

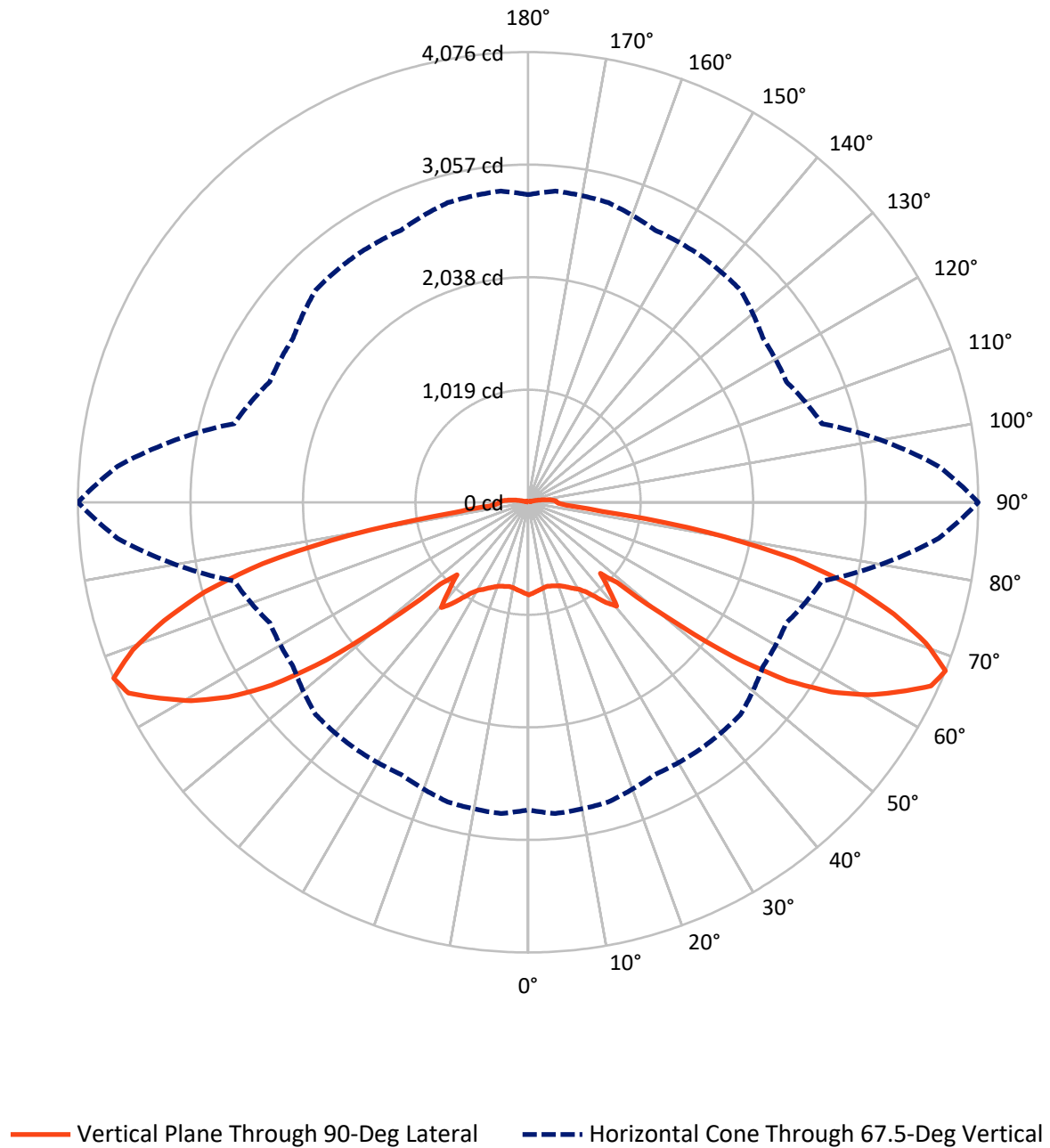


Based on 25 foot mounting height. Maximum calculated value = 1.3 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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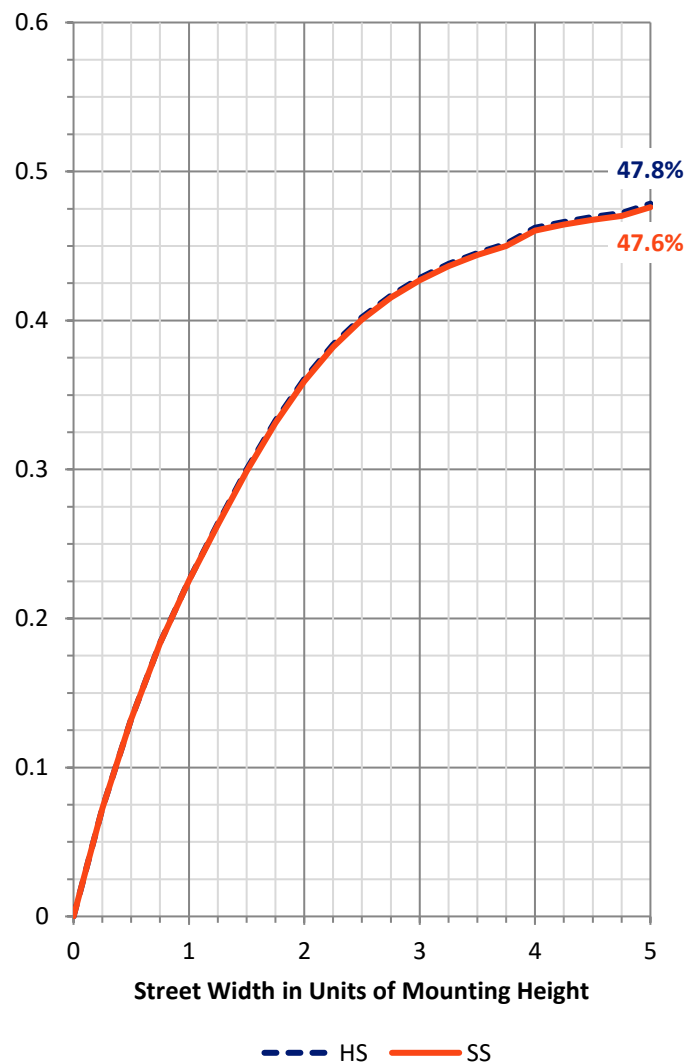
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4422.6	131.9	4554.5
	% Fixture	48.6	1.4	50.0
Street Side	Lumens	4422.6	131.9	4554.5
	% Fixture	48.6	1.4	50.0
Total	Lumens	8845.1	263.8	9109.0
	% Fixture	97.1	2.9	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	75.8	0.8
10°-20°	216.2	2.4
20°-30°	382.6	4.2
30°-40°	645.5	7.1
40°-50°	723.5	7.9
50°-60°	1497.8	16.4
60°-70°	2636.3	28.9
70°-80°	2178.6	23.9
80°-90°	488.7	5.4
90°-100°	186.9	2.1
100°-110°	52.8	0.6
110°-120°	16.2	0.2
120°-130°	7.4	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°	8845.1	97.1
0°-180°	9109.0	100.0

Coefficient of Utilization



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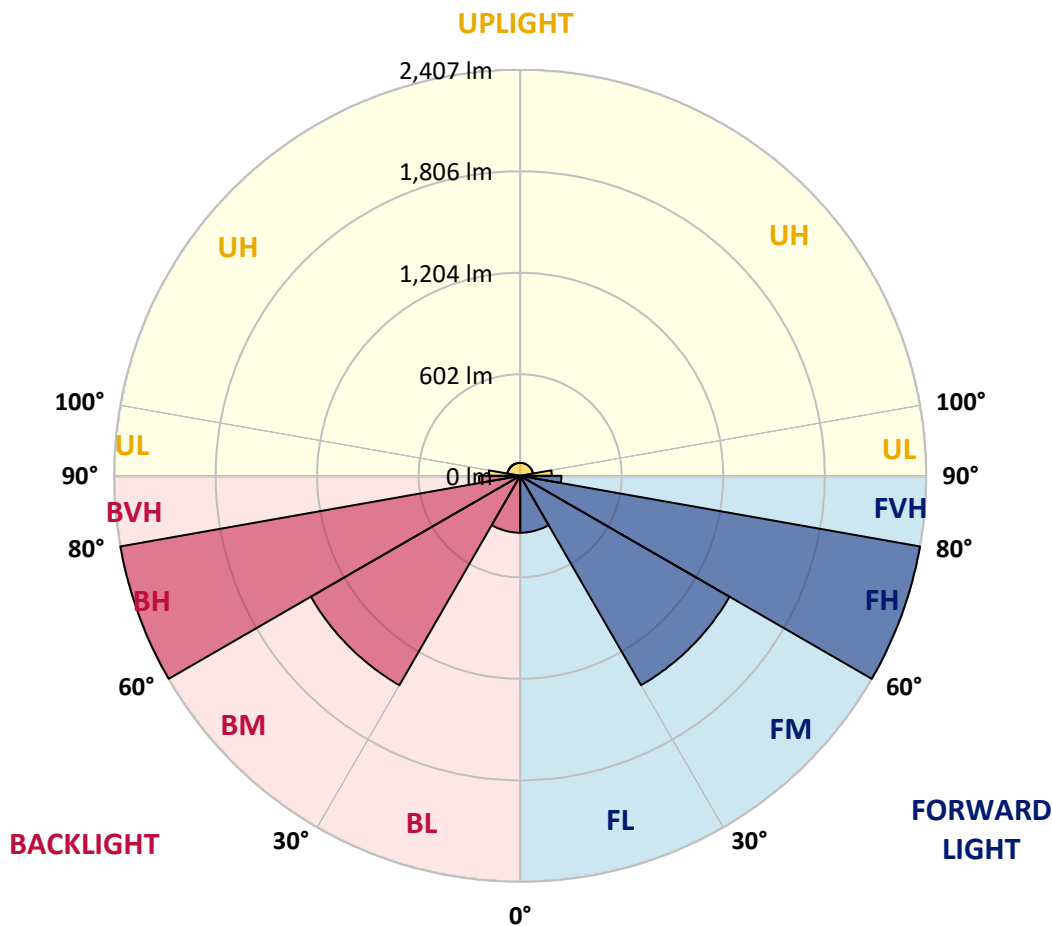
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	337.3	3.7			
FM	(30°-60°)	1433.4	15.7			
FH	(60°-80°)	2407.5	26.4			G2/5000
FVH	(80°-90°)	244.4	2.7			G3/500
BL	(0°-30°)	337.3	3.7	B1/500		
BM	(30°-60°)	1433.4	15.7	B2/2500		
BH	(60°-80°)	2407.5	26.4	B3/2500		G2/5000
BVH	(80°-90°)	244.4	2.7			G3/500
UL	(90°-100°)	186.9	2.1		U3/500	
UH	(100°-180°)	77.0	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°	838.2	838.2	838.2	838.2	838.2	838.2	838.2	838.2	838.2	838.2	838.2
2.5°	829.6	829.6	823.8	820.9	823.8	826.7	829.6	829.6	826.7	823.8	823.8
5°	815.2	812.3	809.4	806.5	806.5	812.3	812.3	815.2	812.3	809.4	809.4
7.5°	777.7	777.7	774.8	772.0	777.7	783.5	792.1	795.0	797.9	797.9	797.9
10°	751.8	751.8	748.9	748.9	754.7	763.3	772.0	780.6	783.5	786.4	786.4
12.5°	737.4	737.4	737.4	734.5	743.2	751.8	766.2	772.0	777.7	780.6	780.6
15°	737.4	734.5	734.5	737.4	743.2	754.7	766.2	777.7	783.5	786.4	786.4
17.5°	743.2	740.3	740.3	740.3	748.9	760.4	774.8	783.5	792.1	795.0	795.0
20°	751.8	751.8	751.8	751.8	757.6	772.0	786.4	795.0	803.6	806.5	806.5
22.5°	774.8	774.8	772.0	769.1	774.8	786.4	803.6	812.3	820.9	826.7	826.7
25°	803.6	800.8	800.8	797.9	797.9	809.4	823.8	835.3	846.8	852.6	852.6
27.5°	838.2	835.3	835.3	829.6	829.6	844.0	855.5	867.0	878.5	884.3	884.3
30°	875.7	878.5	872.8	869.9	867.0	878.5	890.1	898.7	907.3	913.1	913.1
32.5°	936.1	936.1	930.4	927.5	924.6	933.3	939.0	944.8	953.4	964.9	967.8
35°	1011.0	1008.1	1008.1	1008.1	1008.1	1013.9	1019.7	1016.8	1034.1	1045.6	1051.4
37.5°	1109.0	1111.8	1106.1	1100.3	1097.4	1103.2	1109.0	1117.6	1134.9	1149.3	1152.2
40°	1091.7	1085.9	1091.7	1103.2	1106.1	1132.0	1157.9	1178.1	1206.9	1232.8	1235.7
42.5°	979.3	988.0	996.6	996.6	993.7	993.7	996.6	999.5	1028.3	1065.8	1065.8
45°	803.6	809.4	820.9	815.2	789.2	777.7	783.5	792.1	823.8	916.0	918.9
47.5°	852.6	864.1	875.7	841.1	809.4	760.4	754.7	748.9	786.4	1042.7	1085.9
50°	1005.3	1005.3	1019.7	990.9	979.3	950.5	933.3	939.0	1019.7	1552.6	1647.6
52.5°	1307.7	1302.0	1336.5	1302.0	1290.4	1229.9	1163.7	1198.3	1281.8	2122.9	2318.7
55°	1587.1	1592.9	1627.4	1592.9	1561.2	1506.5	1417.2	1477.7	1590.0	2572.2	2851.6
57.5°	1889.6	1898.2	1938.5	1872.3	1808.9	1780.1	1696.6	1759.9	1883.8	2863.1	3237.6
60°	2203.5	2212.2	2232.3	2148.8	2091.2	2076.8	1981.7	2050.9	2200.6	3119.5	3540.0
62.5°	2503.1	2511.7	2500.2	2419.6	2385.0	2387.9	2295.7	2344.7	2506.0	3419.1	3776.2
65°	2693.2	2730.6	2722.0	2632.7	2621.2	2632.7	2534.8	2540.5	2707.6	3652.4	4009.6
67.5°	2785.4	2828.6	2808.4	2719.1	2724.9	2719.1	2595.3	2580.9	2753.7	3733.0	4075.8
70°	2693.2	2693.2	2678.8	2601.0	2598.1	2575.1	2482.9	2459.9	2595.3	3511.2	3822.3
72.5°	2468.5	2468.5	2457.0	2367.7	2350.4	2333.1	2278.4	2238.1	2356.2	3154.1	3465.2
75°	2143.0	2169.0	2154.6	2065.3	2045.1	2033.6	1996.1	1955.8	2062.4	2773.9	3036.0
77.5°	1713.9	1742.7	1725.4	1659.1	1641.8	1647.6	1621.7	1598.6	1676.4	2223.7	2465.6
80°	1149.3	1175.2	1143.5	1111.8	1085.9	1111.8	1100.3	1088.8	1132.0	1417.2	1659.1
82.5°	518.5	524.2	524.2	492.6	472.4	512.7	518.5	527.1	553.0	616.4	676.9
85°	316.8	319.7	314.0	305.3	293.8	302.4	299.6	305.3	316.8	337.0	348.5
87.5°	270.8	270.8	270.8	262.1	253.5	253.5	250.6	253.5	256.4	273.6	279.4
90°	239.1	239.1	239.1	233.3	227.6	227.6	230.4	227.6	233.3	250.6	259.2
92.5°	201.6	204.5	210.3	210.3	210.3	213.2	213.2	213.2	216.0	242.0	250.6
95°	149.8	146.9	158.4	167.1	169.9	175.7	175.7	175.7	181.5	204.5	213.2
97.5°	109.5	109.5	115.2	121.0	126.7	132.5	135.4	135.4	141.1	158.4	161.3
100°	77.8	77.8	83.5	89.3	92.2	100.8	103.7	103.7	103.7	115.2	115.2
102.5°	57.6	54.7	60.5	63.4	66.2	69.1	72.0	72.0	72.0	74.9	74.9
105°	34.6	34.6	37.4	40.3	43.2	43.2	46.1	46.1	43.2	43.2	43.2
107.5°	23.0	23.0	25.9	28.8	28.8	31.7	31.7	31.7	31.7	31.7	31.7
110°	17.3	17.3	20.2	23.0	23.0	25.9	25.9	25.9	25.9	23.0	23.0

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	14.4	14.4	17.3	17.3	20.2	20.2	20.2	20.2	20.2	20.2	20.2
115°	11.5	11.5	14.4	14.4	14.4	17.3	17.3	17.3	17.3	17.3	17.3
117.5°	8.6	8.6	11.5	11.5	14.4	14.4	14.4	14.4	14.4	14.4	14.4
120°	8.6	8.6	8.6	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5
122.5°	5.8	5.8	8.6	8.6	8.6	8.6	8.6	8.6	8.6	11.5	11.5
125°	5.8	5.8	5.8	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6
127.5°	5.8	5.8	5.8	5.8	8.6	8.6	8.6	8.6	8.6	8.6	8.6
130°	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	8.6	8.6
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)