

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: P691928

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

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691928
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-D-U-T5R-8027-SR-CARETAKER
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 80 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: 8970 lumens
Efficiency: N/A
Efficacy: 127.8 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): 70.2
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

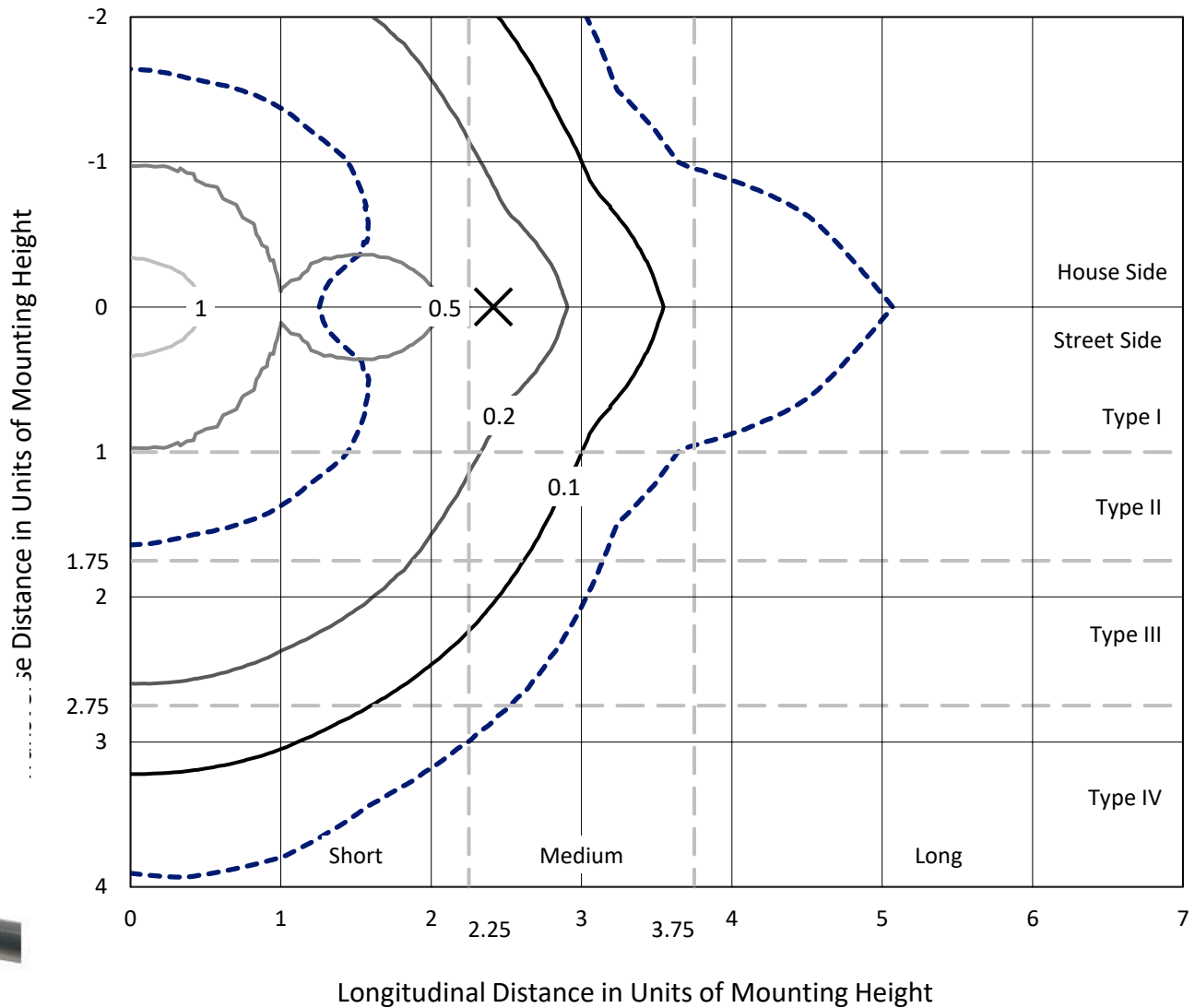


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

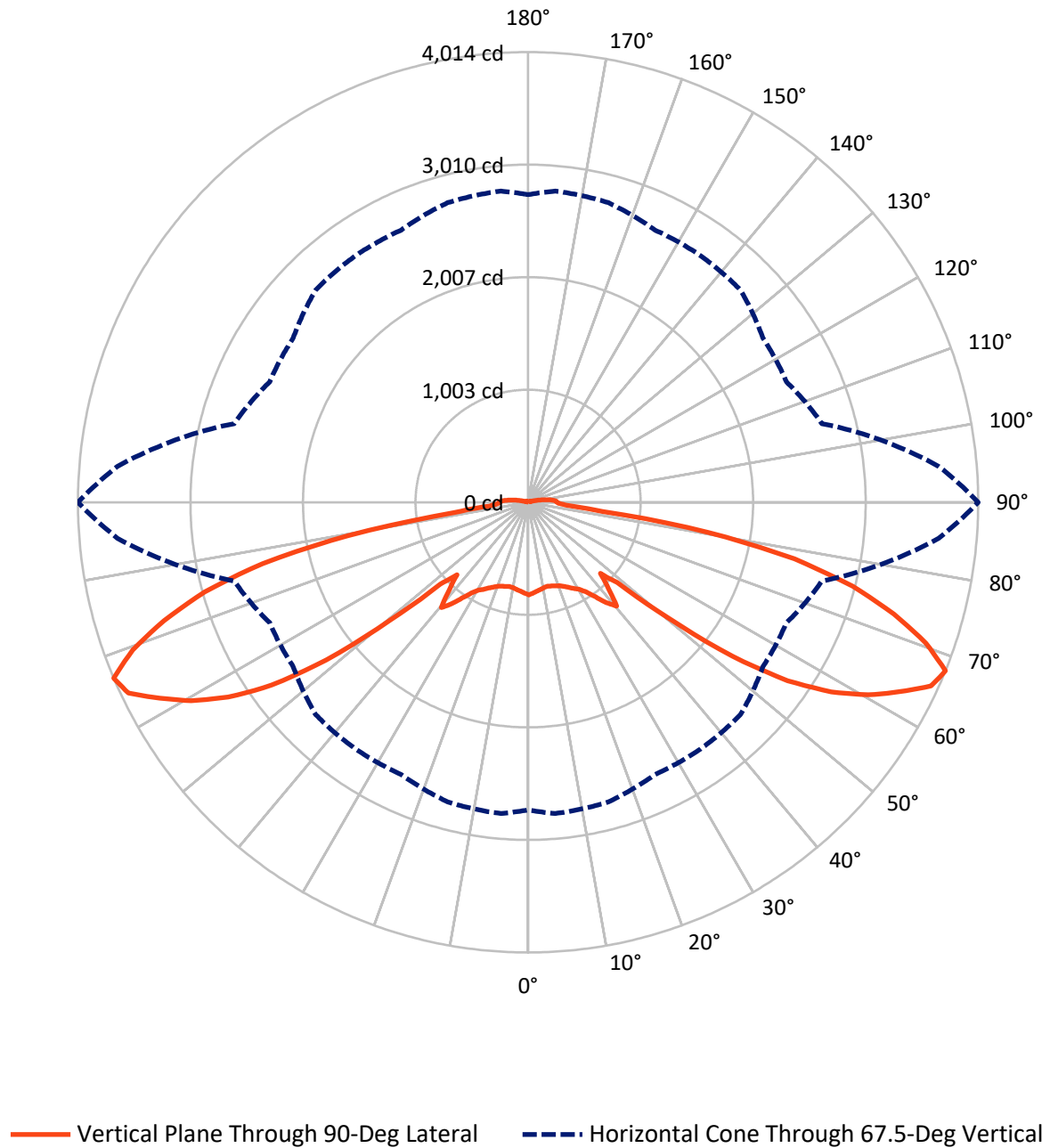


Based on 25 foot mounting height. Maximum calculated value = 1.3 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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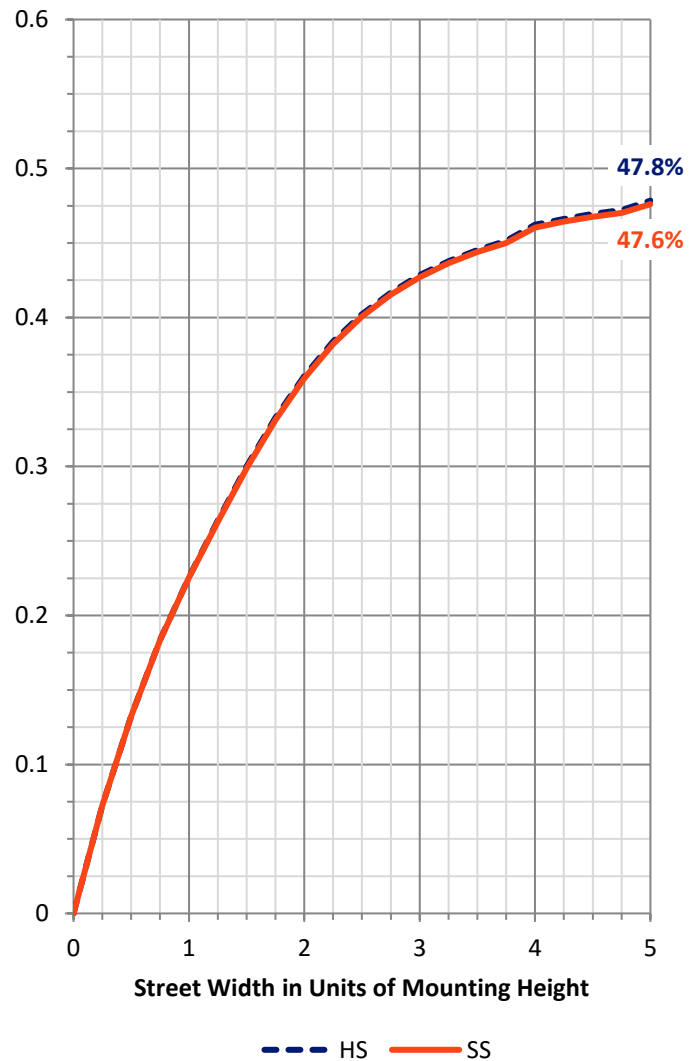
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4355.1	129.9	4485.0
	% Fixture	48.6	1.4	50.0
Street Side	Lumens	4355.1	129.9	4485.0
	% Fixture	48.6	1.4	50.0
Total	Lumens	8710.2	259.8	8970.0
	% Fixture	97.1	2.9	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	74.6	0.8
10°-20°	212.9	2.4
20°-30°	376.8	4.2
30°-40°	635.7	7.1
40°-50°	712.4	7.9
50°-60°	1475.0	16.4
60°-70°	2596.1	28.9
70°-80°	2145.4	23.9
80°-90°	481.3	5.4
90°-100°	184.0	2.1
100°-110°	52.0	0.6
110°-120°	15.9	0.2
120°-130°	7.3	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°	8710.2	97.1
0°-180°	8970.0	100.0

Coefficient of Utilization



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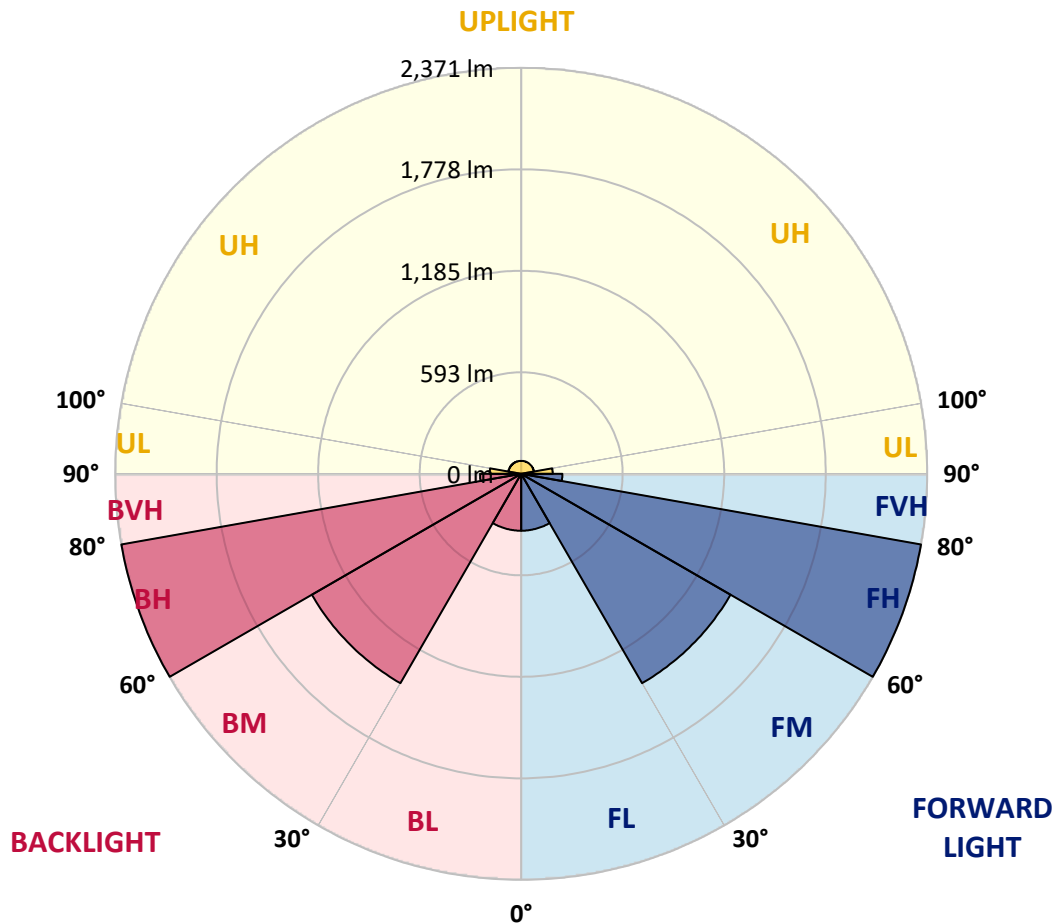
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	332.2	3.7			
FM	(30°-60°)	1411.5	15.7			
FH	(60°-80°)	2370.7	26.4			G2/5000
FVH	(80°-90°)	240.6	2.7			G3/500
BL	(0°-30°)	332.2	3.7	B1/500		
BM	(30°-60°)	1411.5	15.7	B2/2500		
BH	(60°-80°)	2370.7	26.4	B3/2500		G2/5000
BVH	(80°-90°)	240.6	2.7			G3/500
UL	(90°-100°)	184.0	2.1		U3/500	
UH	(100°-180°)	75.8	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°	825.4	825.4	825.4	825.4	825.4	825.4	825.4	825.4	825.4	825.4	825.4
2.5°	816.9	816.9	811.2	808.4	811.2	814.1	816.9	816.9	814.1	811.2	811.2
5°	802.7	799.9	797.0	794.2	794.2	799.9	799.9	802.7	799.9	797.0	797.0
7.5°	765.8	765.8	763.0	760.2	765.8	771.5	780.0	782.9	785.7	785.7	785.7
10°	740.3	740.3	737.5	737.5	743.2	751.7	760.2	768.7	771.5	774.4	774.4
12.5°	726.1	726.1	726.1	723.3	731.8	740.3	754.5	760.2	765.8	768.7	768.7
15°	726.1	723.3	723.3	726.1	731.8	743.2	754.5	765.8	771.5	774.4	774.4
17.5°	731.8	729.0	729.0	729.0	737.5	748.8	763.0	771.5	780.0	782.9	782.9
20°	740.3	740.3	740.3	740.3	746.0	760.2	774.4	782.9	791.4	794.2	794.2
22.5°	763.0	763.0	760.2	757.3	763.0	774.4	791.4	799.9	808.4	814.1	814.1
25°	791.4	788.5	788.5	785.7	785.7	797.0	811.2	822.6	833.9	839.6	839.6
27.5°	825.4	822.6	822.6	816.9	816.9	831.1	842.4	853.8	865.1	870.8	870.8
30°	862.3	865.1	859.5	856.6	853.8	865.1	876.5	885.0	893.5	899.2	899.2
32.5°	921.9	921.9	916.2	913.3	910.5	919.0	924.7	930.4	938.9	950.2	953.1
35°	995.6	992.8	992.8	992.8	992.8	998.4	1004.1	1001.3	1018.3	1029.6	1035.3
37.5°	1092.0	1094.9	1089.2	1083.5	1080.7	1086.4	1092.0	1100.6	1117.6	1131.8	1134.6
40°	1075.0	1069.4	1075.0	1086.4	1089.2	1114.7	1140.3	1160.1	1188.5	1214.0	1216.8
42.5°	964.4	972.9	981.4	981.4	978.6	978.6	981.4	984.3	1012.6	1049.5	1049.5
45°	791.4	797.0	808.4	802.7	777.2	765.8	771.5	780.0	811.2	902.0	904.8
47.5°	839.6	850.9	862.3	828.3	797.0	748.8	743.2	737.5	774.4	1026.8	1069.4
50°	989.9	989.9	1004.1	975.7	964.4	936.0	919.0	924.7	1004.1	1528.9	1622.5
52.5°	1287.8	1282.1	1316.1	1282.1	1270.7	1211.2	1145.9	1180.0	1262.2	2090.5	2283.4
55°	1562.9	1568.6	1602.6	1568.6	1537.4	1483.5	1395.5	1455.1	1565.7	2533.0	2808.1
57.5°	1860.7	1869.2	1908.9	1843.7	1781.3	1752.9	1670.7	1733.1	1855.1	2819.5	3188.2
60°	2169.9	2178.4	2198.3	2116.0	2059.3	2045.1	1951.5	2019.6	2167.1	3071.9	3486.0
62.5°	2464.9	2473.4	2462.1	2382.6	2348.6	2351.4	2260.7	2308.9	2467.7	3366.9	3718.6
65°	2652.1	2689.0	2680.5	2592.5	2581.2	2592.5	2496.1	2501.8	2666.3	3596.6	3948.4
67.5°	2742.9	2785.4	2765.6	2677.6	2683.3	2677.6	2555.7	2541.5	2711.7	3676.1	4013.6
70°	2652.1	2652.1	2637.9	2561.3	2558.5	2535.8	2445.0	2422.3	2555.7	3457.7	3764.0
72.5°	2430.9	2430.9	2419.5	2331.6	2314.6	2297.5	2243.7	2203.9	2320.2	3105.9	3412.3
75°	2110.3	2135.9	2121.7	2033.8	2013.9	2002.6	1965.7	1926.0	2030.9	2731.5	2989.6
77.5°	1687.7	1716.1	1699.0	1633.8	1616.8	1622.5	1596.9	1574.2	1650.8	2189.8	2428.0
80°	1131.8	1157.3	1126.1	1094.9	1069.4	1094.9	1083.5	1072.2	1114.7	1395.5	1633.8
82.5°	510.6	516.2	516.2	485.0	465.2	504.9	510.6	519.1	544.6	607.0	666.6
85°	312.0	314.8	309.2	300.7	289.3	297.8	295.0	300.7	312.0	331.9	343.2
87.5°	266.6	266.6	266.6	258.1	249.6	249.6	246.8	249.6	252.4	269.5	275.1
90°	235.4	235.4	235.4	229.8	224.1	224.1	226.9	224.1	229.8	246.8	255.3
92.5°	198.6	201.4	207.1	207.1	207.1	209.9	209.9	209.9	212.7	238.3	246.8
95°	147.5	144.7	156.0	164.5	167.4	173.0	173.0	173.0	178.7	201.4	209.9
97.5°	107.8	107.8	113.5	119.1	124.8	130.5	133.3	133.3	139.0	156.0	158.8
100°	76.6	76.6	82.3	87.9	90.8	99.3	102.1	102.1	102.1	113.5	113.5
102.5°	56.7	53.9	59.6	62.4	65.2	68.1	70.9	70.9	70.9	73.7	73.7
105°	34.0	34.0	36.9	39.7	42.5	42.5	45.4	45.4	42.5	42.5	42.5
107.5°	22.7	22.7	25.5	28.4	28.4	31.2	31.2	31.2	31.2	31.2	31.2
110°	17.0	17.0	19.9	22.7	22.7	25.5	25.5	25.5	25.5	22.7	22.7

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	14.2	14.2	17.0	17.0	19.9	19.9	19.9	19.9	19.9	19.9	19.9
115°	11.3	11.3	14.2	14.2	14.2	17.0	17.0	17.0	17.0	17.0	17.0
117.5°	8.5	8.5	11.3	11.3	14.2	14.2	14.2	14.2	14.2	14.2	14.2
120°	8.5	8.5	8.5	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3
122.5°	5.7	5.7	8.5	8.5	8.5	8.5	8.5	8.5	8.5	11.3	11.3
125°	5.7	5.7	5.7	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5
127.5°	5.7	5.7	5.7	5.7	8.5	8.5	8.5	8.5	8.5	8.5	8.5
130°	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	8.5	8.5
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)