

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: P691655

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

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691655
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-17)
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
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 2700K LED WITH TYPE V ROUND OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7434 lumens
Efficiency: N/A
Efficacy: 138.4 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.08')
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

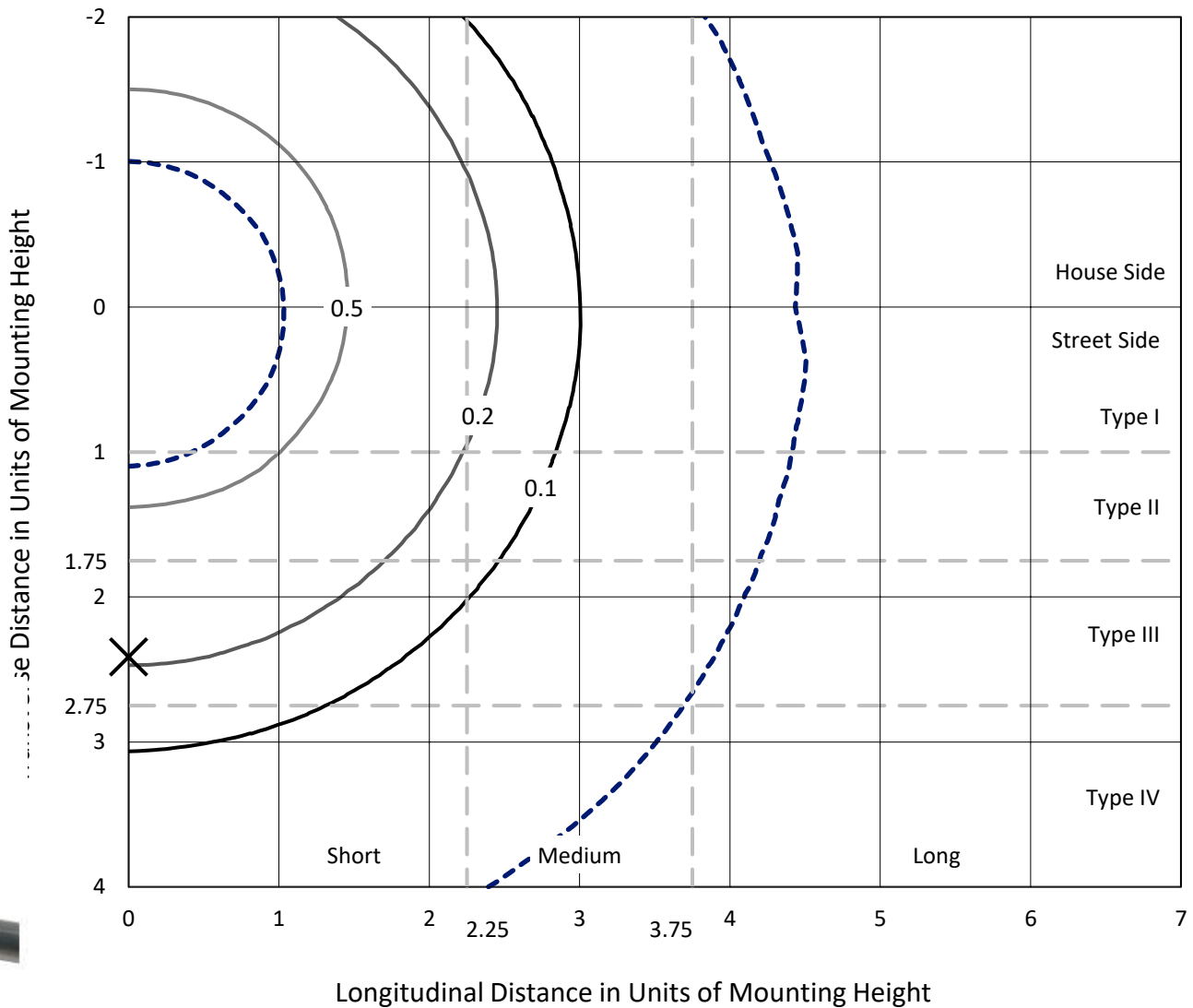


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Iso-Footcandle Lines of Horizontal Illumination

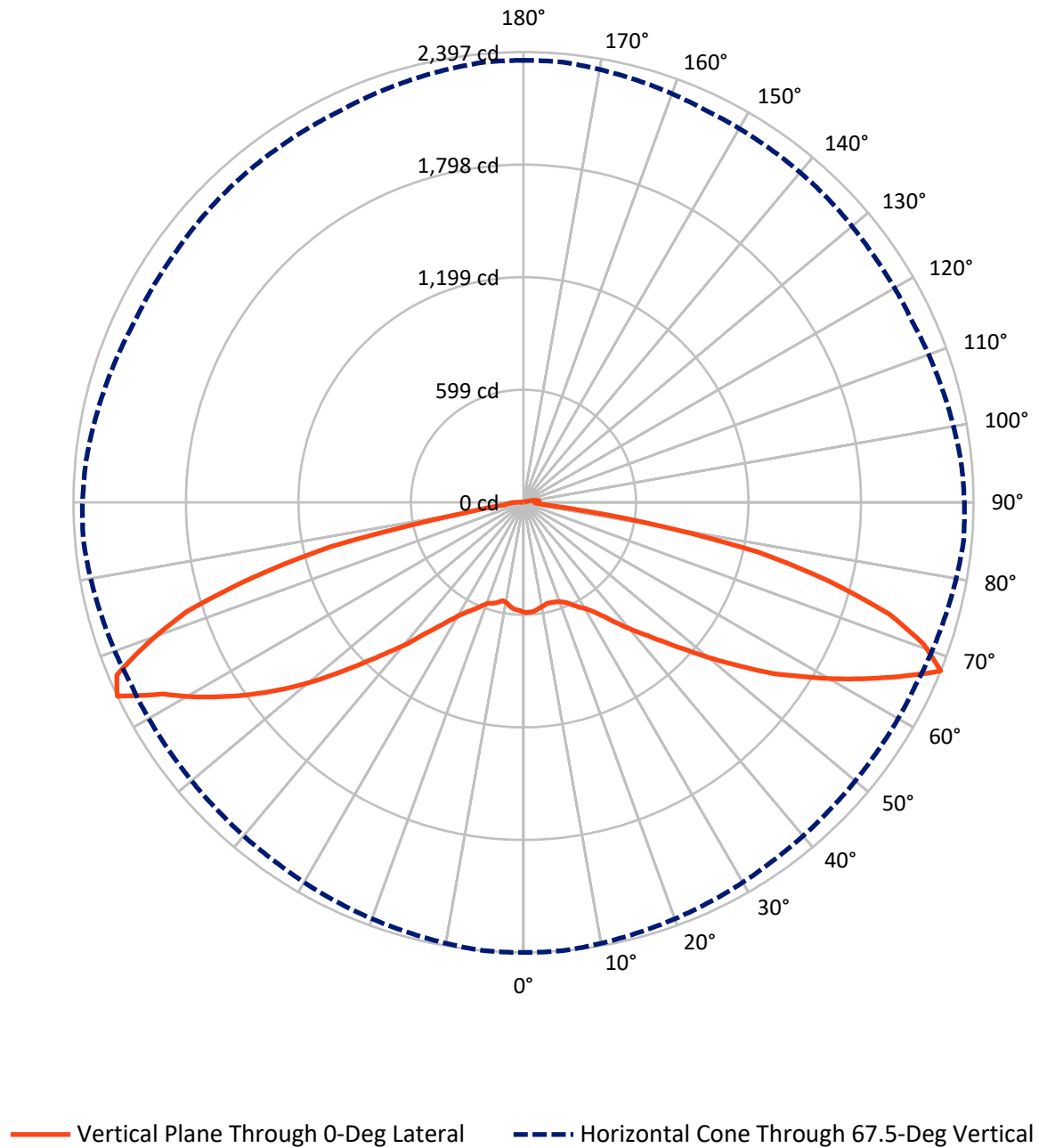
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.9 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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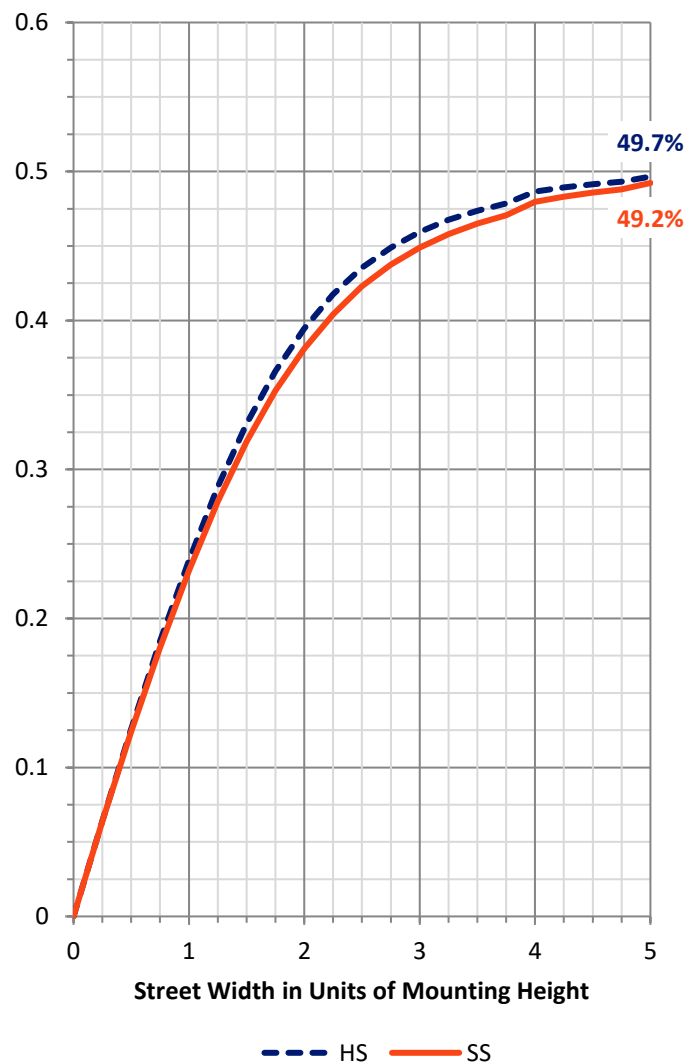
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3680.7	34.9	3715.6
	% Fixture	49.5	0.5	50.0
Street Side	Lumens	3669.1	49.3	3718.4
	% Fixture	49.4	0.7	50.0
Total	Lumens	7349.8	84.2	7434.0
	% Fixture	98.9	1.1	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	54.9	0.7
10°-20°	161.8	2.2
20°-30°	292.4	3.9
30°-40°	504.3	6.8
40°-50°	894.6	12.0
50°-60°	1522.9	20.5
60°-70°	2181.9	29.4
70°-80°	1586.5	21.3
80°-90°	150.6	2.0
90°-100°	68.0	0.9
100°-110°	16.2	0.2
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	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°	7349.8	98.9
0°-180°	7434.0	100.0

Coefficient of Utilization



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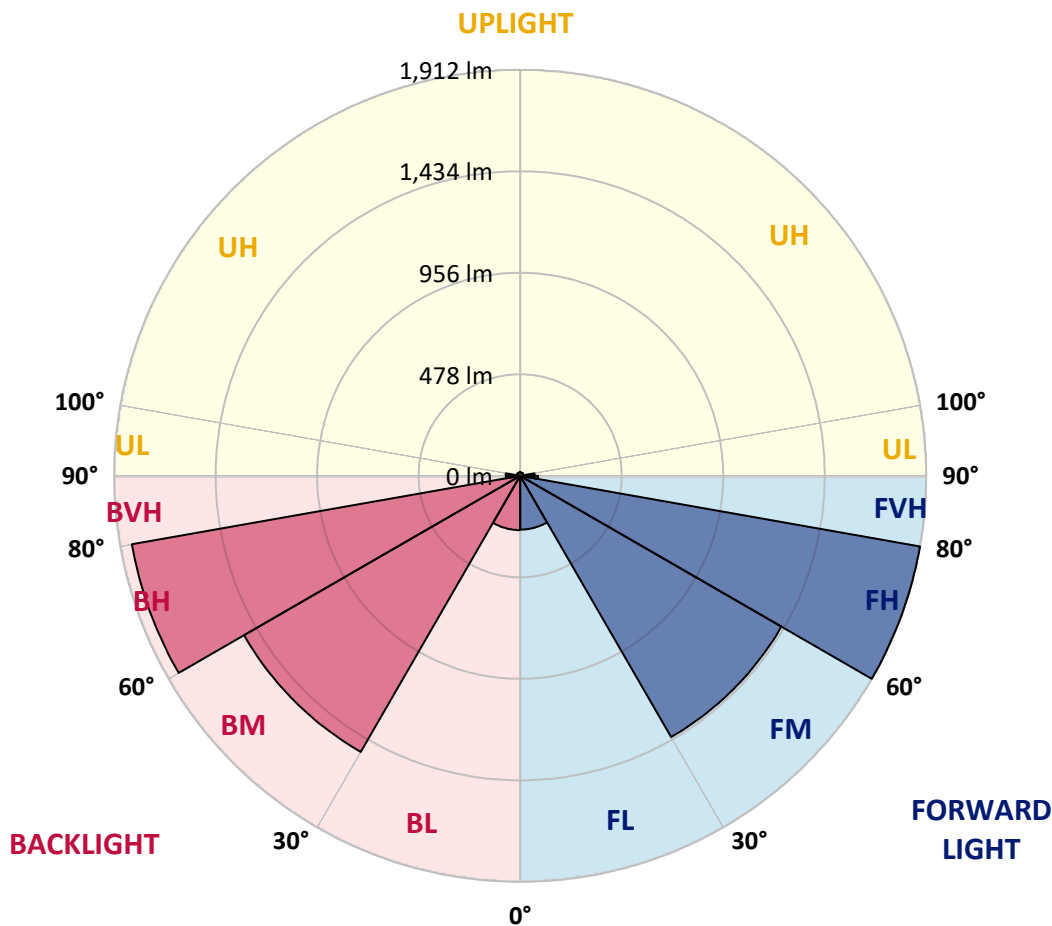
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	253.3	3.4			
FM	(30°-60°)	1420.3	19.1			
FH	(60°-80°)	1911.8	25.7			G2/5000
FVH	(80°-90°)	83.7	1.1			G1/100
BL	(0°-30°)	255.7	3.4	B1/500		
BM	(30°-60°)	1501.5	20.2	B2/2500		
BH	(60°-80°)	1856.6	25.0	B3/2500		G2/5000
BVH	(80°-90°)	67.0	0.9			G1/100
UL	(90°-100°)	68.0	0.9		U3/500	
UH	(100°-180°)	16.2	0.2		U2/50	

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°	586.0	586.0	586.0	586.0	586.0	586.0	586.0	586.0	586.0	586.0	586.0
2.5°	586.0	586.0	586.0	586.0	586.0	586.0	583.7	579.1	579.1	579.1	579.1
5°	583.7	583.7	583.7	583.7	586.0	586.0	586.0	581.4	581.4	581.4	581.4
7.5°	572.1	572.1	574.4	574.4	576.8	579.1	576.8	576.8	576.8	579.1	579.1
10°	562.9	562.9	565.2	565.2	567.5	567.5	572.1	572.1	574.4	576.8	576.8
12.5°	553.6	553.6	555.9	560.5	562.9	565.2	567.5	569.8	574.4	576.8	576.8
15°	553.6	553.6	553.6	558.2	565.2	569.8	572.1	576.8	581.4	583.7	586.0
17.5°	558.2	558.2	558.2	562.9	567.5	574.4	581.4	583.7	588.3	593.0	593.0
20°	565.2	565.2	567.5	572.1	579.1	583.7	588.3	595.3	599.9	604.6	606.9
22.5°	579.1	581.4	581.4	583.7	590.7	597.6	602.2	606.9	613.8	618.5	623.1
25°	604.6	602.2	602.2	606.9	611.5	618.5	620.8	625.4	632.4	639.3	641.6
27.5°	632.4	630.0	630.0	634.7	639.3	643.9	646.3	653.2	660.1	667.1	669.4
30°	657.8	657.8	660.1	664.8	669.4	676.4	678.7	685.6	690.3	699.5	699.5
32.5°	697.2	699.5	701.8	704.2	708.8	715.7	722.7	725.0	729.6	736.6	741.2
35°	750.5	755.1	755.1	757.4	769.0	776.0	771.3	778.3	785.2	794.5	799.1
37.5°	820.0	817.7	824.6	833.9	836.2	843.1	840.8	845.5	854.7	866.3	873.3
40°	894.1	896.4	896.4	898.7	905.7	908.0	917.3	924.2	933.5	949.7	954.3
42.5°	970.5	975.2	979.8	982.1	993.7	996.0	1003.0	1012.2	1023.8	1035.4	1040.0
45°	1065.5	1063.2	1074.8	1079.4	1091.0	1104.9	1104.9	1109.5	1128.0	1139.6	1146.6
47.5°	1179.0	1183.6	1190.6	1197.5	1216.1	1218.4	1230.0	1236.9	1248.5	1260.1	1262.4
50°	1311.0	1311.0	1318.0	1331.9	1343.5	1355.0	1362.0	1371.3	1380.5	1399.1	1408.3
52.5°	1450.0	1452.3	1461.6	1475.5	1494.0	1496.3	1503.3	1519.5	1526.5	1531.1	1547.3
55°	1607.5	1600.6	1607.5	1628.4	1649.2	1646.9	1649.2	1667.7	1679.3	1688.6	1693.2
57.5°	1751.1	1751.1	1758.1	1774.3	1778.9	1785.9	1788.2	1804.4	1818.3	1829.9	1832.2
60°	1908.6	1906.3	1911.0	1924.9	1941.1	1941.1	1938.8	1955.0	1968.9	1971.2	1987.4
62.5°	2066.2	2059.2	2063.8	2073.1	2082.4	2073.1	2082.4	2096.3	2107.8	2117.1	2121.7
65°	2230.6	2221.3	2223.7	2214.4	2200.5	2188.9	2209.8	2249.1	2283.9	2302.4	2304.7
67.5°	2397.4	2397.4	2371.9	2348.7	2325.6	2311.7	2304.7	2304.7	2327.9	2353.4	2348.7
70°	2260.7	2265.4	2244.5	2228.3	2191.2	2179.7	2172.7	2149.5	2161.1	2168.1	2151.9
72.5°	2038.4	2012.9	2003.6	1996.7	1968.9	1948.0	1924.9	1908.6	1901.7	1906.3	1887.8
75°	1684.0	1734.9	1707.1	1693.2	1674.7	1665.4	1605.2	1586.7	1584.4	1602.9	1602.9
77.5°	1280.9	1308.7	1290.2	1297.1	1269.3	1264.7	1241.5	1220.7	1204.5	1199.9	1153.5
80°	664.8	685.6	690.3	713.4	708.8	694.9	678.7	618.5	602.2	611.5	567.5
82.5°	120.4	125.1	127.4	129.7	120.4	125.1	127.4	115.8	122.8	120.4	115.8
85°	69.5	69.5	71.8	71.8	67.2	62.5	67.2	64.9	64.9	69.5	69.5
87.5°	60.2	62.5	64.9	64.9	57.9	53.3	57.9	57.9	60.2	62.5	62.5
90°	62.5	62.5	67.2	67.2	60.2	55.6	62.5	64.9	64.9	64.9	67.2
92.5°	83.4	81.1	83.4	83.4	76.4	71.8	81.1	81.1	81.1	81.1	83.4
95°	81.1	78.8	81.1	78.8	74.1	69.5	76.4	78.8	78.8	78.8	81.1
97.5°	69.5	69.5	69.5	69.5	62.5	60.2	69.5	69.5	67.2	67.2	69.5
100°	53.3	51.0	51.0	51.0	48.6	48.6	53.3	51.0	48.6	51.0	53.3
102.5°	34.7	34.7	34.7	34.7	34.7	34.7	34.7	32.4	32.4	32.4	37.1
105°	20.8	20.8	18.5	18.5	18.5	18.5	18.5	16.2	16.2	16.2	20.8
107.5°	6.9	6.9	4.6	4.6	4.6	4.6	4.6	2.3	2.3	2.3	6.9
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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

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CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	586.0	586.0	586.0	586.0	586.0	586.0	586.0	586.0	586.0	586.0
2.5°	581.4	581.4	583.7	581.4	581.4	579.1	576.8	574.4	576.8	576.8
5°	581.4	583.7	581.4	579.1	576.8	574.4	574.4	569.8	569.8	572.1
7.5°	579.1	583.7	579.1	576.8	569.8	567.5	565.2	560.5	560.5	560.5
10°	576.8	576.8	574.4	565.2	560.5	553.6	551.3	546.6	544.3	542.0
12.5°	576.8	576.8	569.8	562.9	555.9	546.6	544.3	539.7	537.4	535.1
15°	583.7	586.0	581.4	572.1	560.5	558.2	551.3	549.0	546.6	551.3
17.5°	595.3	593.0	588.3	579.1	572.1	569.8	560.5	560.5	558.2	562.9
20°	606.9	602.2	597.6	593.0	583.7	579.1	579.1	572.1	574.4	569.8
22.5°	620.8	623.1	616.1	609.2	602.2	599.9	597.6	597.6	595.3	595.3
25°	643.9	643.9	639.3	632.4	627.7	623.1	620.8	623.1	618.5	625.4
27.5°	671.7	669.4	669.4	664.8	657.8	655.5	653.2	655.5	653.2	653.2
30°	699.5	704.2	699.5	697.2	692.6	692.6	690.3	690.3	692.6	690.3
32.5°	743.5	745.9	745.9	743.5	738.9	736.6	736.6	738.9	743.5	741.2
35°	801.4	803.8	808.4	813.0	813.0	808.4	803.8	801.4	803.8	803.8
37.5°	877.9	880.2	884.8	884.8	882.5	880.2	882.5	887.1	877.9	877.9
40°	956.6	954.3	959.0	963.6	965.9	963.6	961.3	965.9	970.5	977.5
42.5°	1044.7	1049.3	1051.6	1060.9	1065.5	1065.5	1063.2	1070.1	1072.5	1072.5
45°	1148.9	1160.5	1155.8	1172.1	1186.0	1188.3	1181.3	1186.0	1181.3	1186.0
47.5°	1269.3	1278.6	1287.9	1301.8	1308.7	1313.3	1311.0	1315.7	1320.3	1320.3
50°	1406.0	1413.0	1429.2	1447.7	1459.3	1459.3	1450.0	1459.3	1468.5	1466.2
52.5°	1549.6	1563.5	1579.7	1595.9	1605.2	1607.5	1607.5	1614.5	1612.2	1612.2
55°	1700.2	1711.8	1732.6	1741.9	1753.4	1758.1	1758.1	1760.4	1758.1	1758.1
57.5°	1843.8	1857.7	1873.9	1892.4	1904.0	1908.6	1904.0	1904.0	1904.0	1899.4
60°	1992.0	2001.3	2017.5	2031.4	2038.4	2047.6	2047.6	2045.3	2043.0	2040.7
62.5°	2128.7	2133.3	2138.0	2140.3	2147.2	2165.8	2165.8	2177.3	2177.3	2175.0
65°	2307.0	2286.2	2267.7	2272.3	2288.5	2304.7	2318.6	2365.0	2388.1	2397.4
67.5°	2341.8	2311.7	2283.9	2281.6	2290.8	2295.5	2302.4	2327.9	2353.4	2353.4
70°	2138.0	2119.4	2093.9	2105.5	2112.5	2105.5	2114.8	2131.0	2154.2	2133.3
72.5°	1873.9	1843.8	1862.3	1873.9	1862.3	1853.1	1857.7	1855.4	1871.6	1887.8
75°	1582.0	1519.5	1519.5	1519.5	1524.1	1503.3	1503.3	1505.6	1535.7	1494.0
77.5°	1172.1	1128.0	1116.5	1070.1	1065.5	1037.7	1056.2	1044.7	1072.5	1056.2
80°	546.6	528.1	521.2	474.8	465.6	391.5	419.3	372.9	386.8	347.4
82.5°	113.5	111.2	108.9	97.3	88.0	76.4	90.3	101.9	104.2	101.9
85°	71.8	74.1	74.1	69.5	64.9	57.9	69.5	85.7	90.3	90.3
87.5°	62.5	64.9	64.9	62.5	57.9	51.0	57.9	64.9	67.2	64.9
90°	67.2	69.5	67.2	64.9	60.2	53.3	60.2	62.5	51.0	53.3
92.5°	81.1	81.1	78.8	78.8	76.4	67.2	74.1	60.2	23.2	6.9
95°	78.8	76.4	76.4	74.1	71.8	60.2	60.2	16.2	0.0	0.0
97.5°	67.2	62.5	62.5	60.2	60.2	51.0	37.1	0.0	0.0	0.0
100°	51.0	44.0	44.0	41.7	41.7	34.7	13.9	0.0	0.0	0.0
102.5°	34.7	27.8	25.5	23.2	23.2	20.8	2.3	0.0	0.0	0.0
105°	18.5	11.6	9.3	6.9	6.9	4.6	0.0	0.0	0.0	0.0
107.5°	6.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	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
137.5°	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
142.5°	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
147.5°	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
152.5°	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
157.5°	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
162.5°	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
167.5°	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
172.5°	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
177.5°	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

(END OF REPORT)