

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: P691740

Luminaire Tested: **CRTK2-C018-D-U-T5R-7050**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691740
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-D-U-T5R-7050
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 5000K LED WITH TYPE V ROUND OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7414 lumens
Efficiency: N/A
Efficacy: 147.1 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.08')
IES Classification: Type V - Short
BUG Rating: B3 - U3 - G2

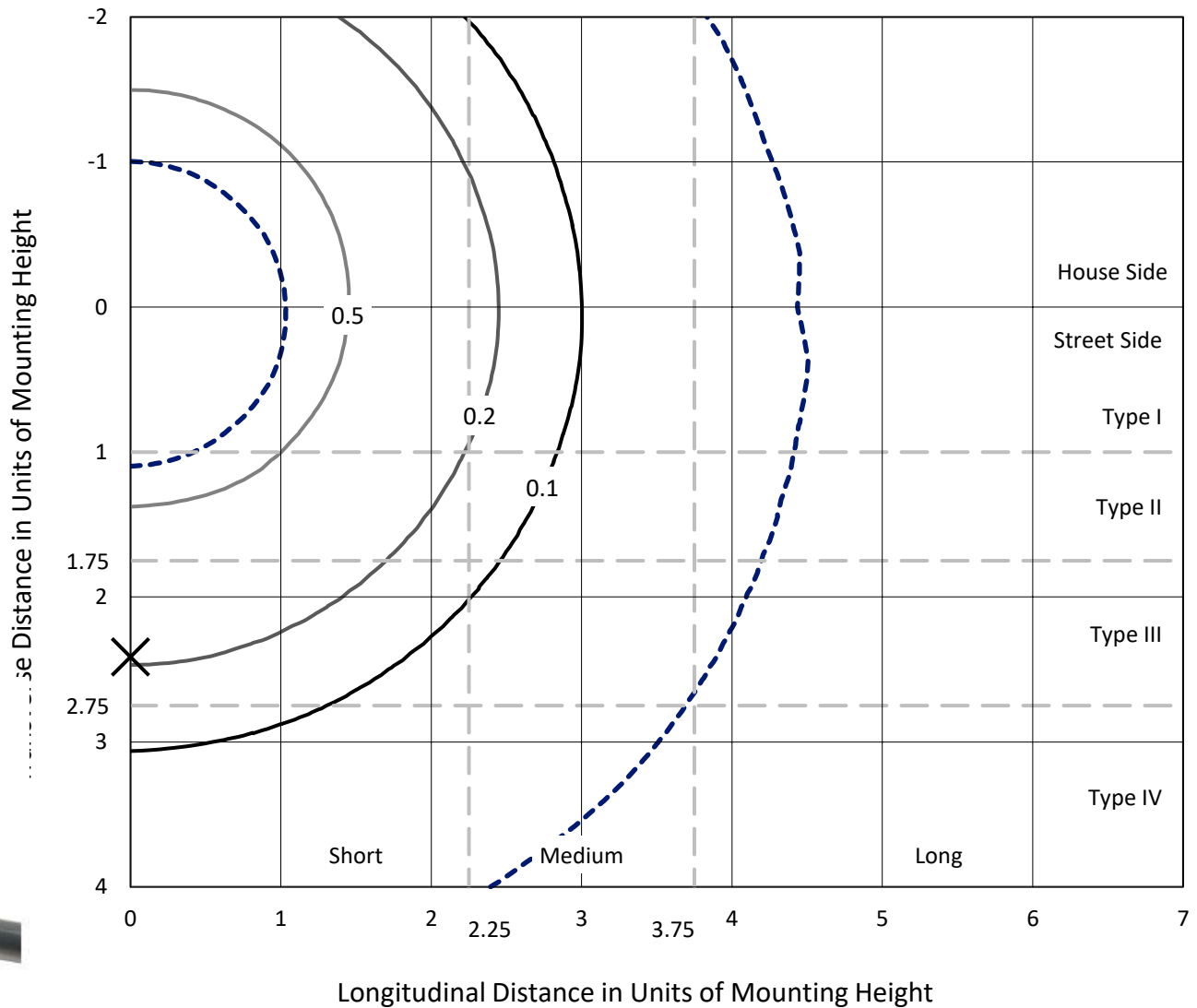
Input Watts (W): 50.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

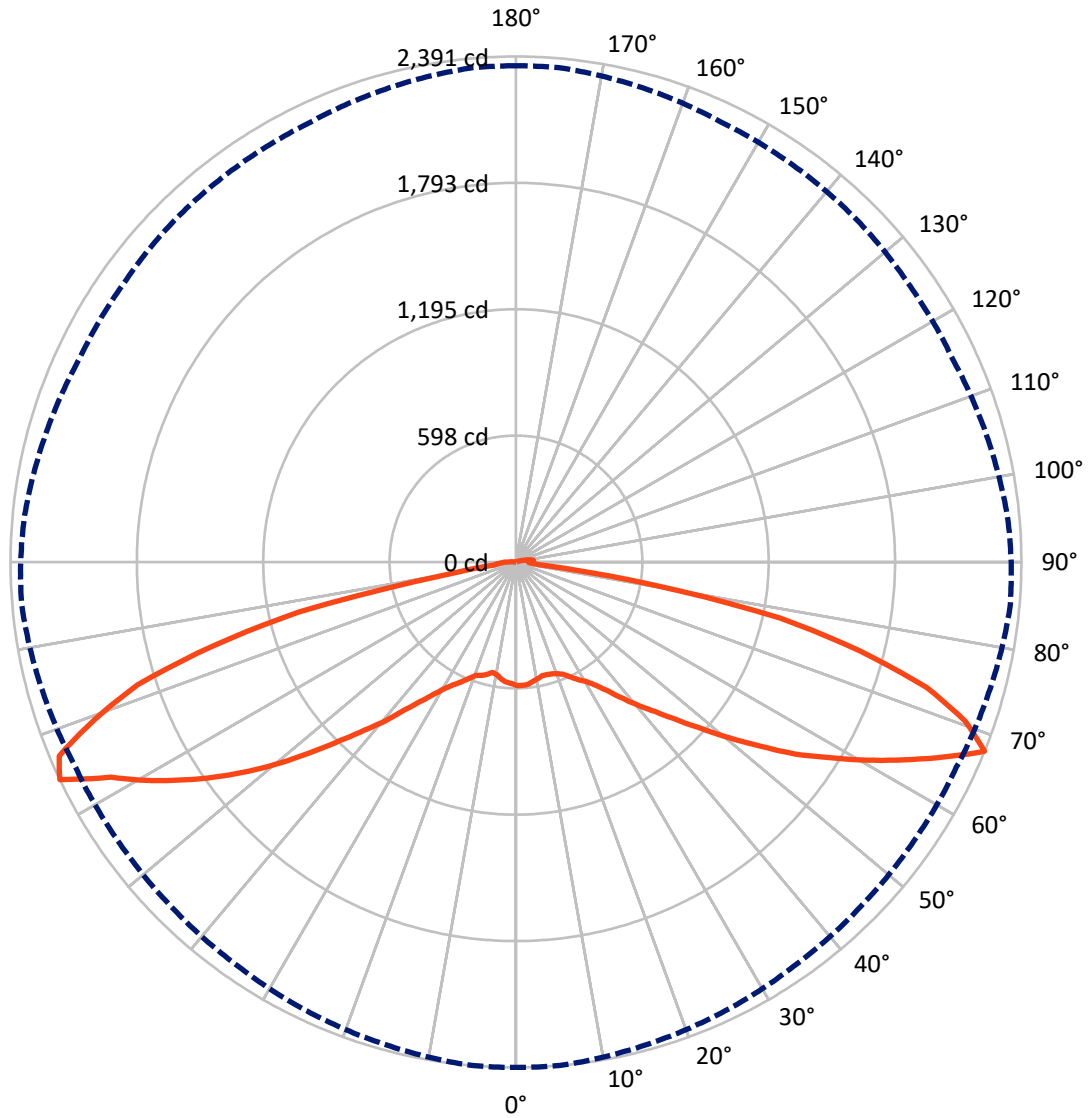
× Max cd
 - - - 1/2 Max cd



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



— Vertical Plane Through 0-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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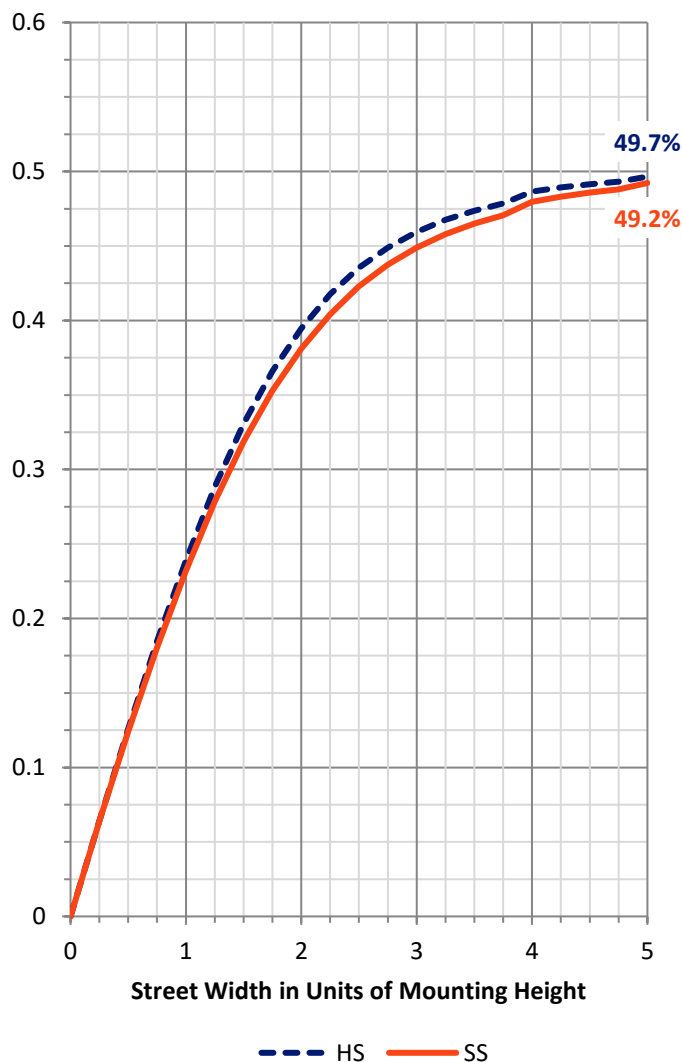
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3670.8	34.8	3705.6
	% Fixture	49.5	0.5	50.0
Street Side	Lumens	3659.2	49.2	3708.4
	% Fixture	49.4	0.7	50.0
Total	Lumens	7330.0	84.0	7414.0
	% Fixture	98.9	1.1	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	54.7	0.7
10°-20°	161.3	2.2
20°-30°	291.6	3.9
30°-40°	502.9	6.8
40°-50°	892.2	12.0
50°-60°	1518.8	20.5
60°-70°	2176.0	29.4
70°-80°	1582.2	21.3
80°-90°	150.2	2.0
90°-100°	67.8	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°	7330.0	98.9
0°-180°	7414.0	100.0

Coefficient of Utilization

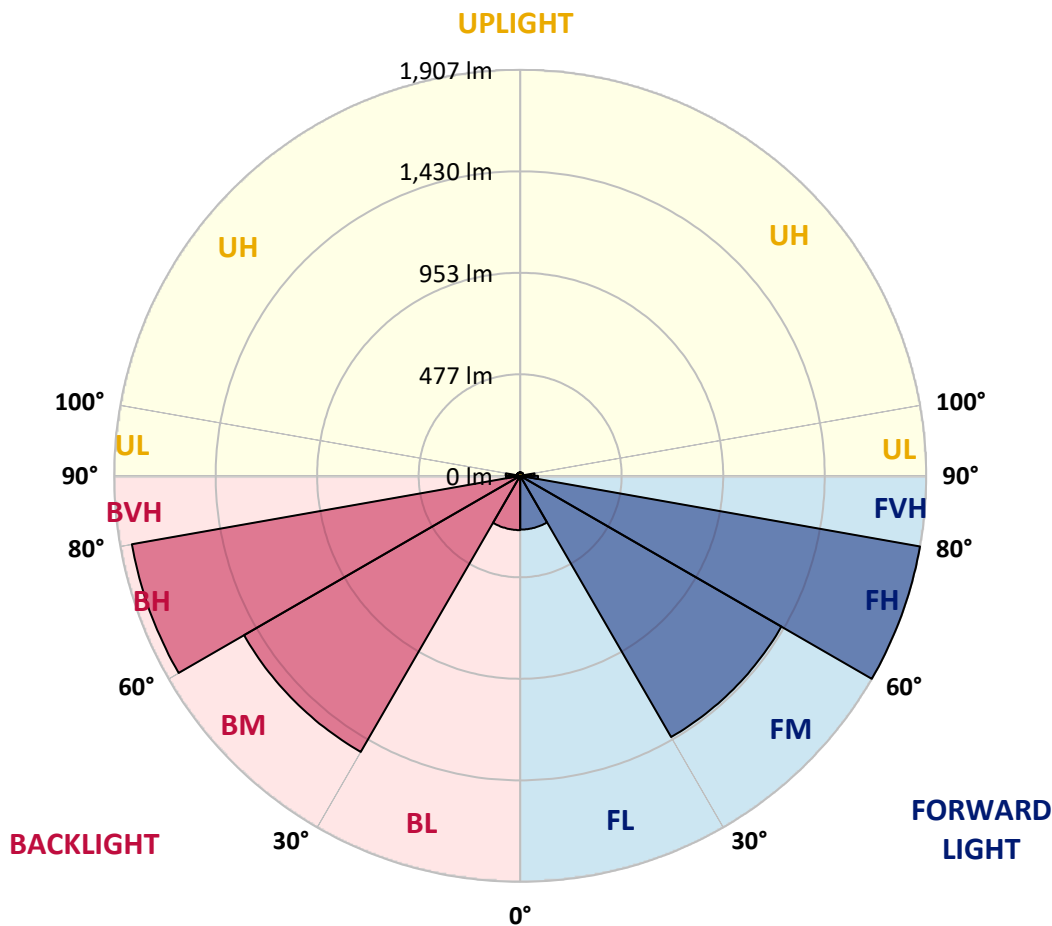


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	252.7	3.4			
FM (30°-60°)	1416.4	19.1			
FH (60°-80°)	1906.6	25.7			G2/5000
FVH (80°-90°)	83.4	1.1			G1/100
BL (0°-30°)	255.0	3.4	B1/500		
BM (30°-60°)	1497.5	20.2	B2/2500		
BH (60°-80°)	1851.6	25.0	B3/2500		G2/5000
BVH (80°-90°)	66.8	0.9			G1/100
UL (90°-100°)	67.8	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°	584.5	584.5	584.5	584.5	584.5	584.5	584.5	584.5	584.5	584.5	584.5
2.5°	584.5	584.5	584.5	584.5	584.5	584.5	582.1	577.5	577.5	577.5	577.5
5°	582.1	582.1	582.1	582.1	584.5	584.5	584.5	579.8	579.8	579.8	579.8
7.5°	570.6	570.6	572.9	572.9	575.2	577.5	575.2	575.2	575.2	577.5	577.5
10°	561.3	561.3	563.7	563.7	566.0	566.0	570.6	570.6	572.9	575.2	575.2
12.5°	552.1	552.1	554.4	559.0	561.3	563.7	566.0	568.3	572.9	575.2	575.2
15°	552.1	552.1	552.1	556.7	563.7	568.3	570.6	575.2	579.8	582.1	584.5
17.5°	556.7	556.7	556.7	561.3	566.0	572.9	579.8	582.1	586.8	591.4	591.4
20°	563.7	563.7	566.0	570.6	577.5	582.1	586.8	593.7	598.3	602.9	605.2
22.5°	577.5	579.8	579.8	582.1	589.1	596.0	600.6	605.2	612.2	616.8	621.4
25°	602.9	600.6	600.6	605.2	609.9	616.8	619.1	623.7	630.7	637.6	639.9
27.5°	630.7	628.3	628.3	633.0	637.6	642.2	644.5	651.4	658.4	665.3	667.6
30°	656.1	656.1	658.4	663.0	667.6	674.5	676.9	683.8	688.4	697.6	697.6
32.5°	695.3	697.6	700.0	702.3	706.9	713.8	720.7	723.1	727.7	734.6	739.2
35°	748.5	753.1	753.1	755.4	766.9	773.9	769.3	776.2	783.1	792.4	797.0
37.5°	817.8	815.5	822.4	831.6	833.9	840.9	838.6	843.2	852.4	864.0	870.9
40°	891.7	894.0	894.0	896.3	903.2	905.6	914.8	921.7	931.0	947.1	951.8
42.5°	967.9	972.5	977.2	979.5	991.0	993.3	1000.3	1009.5	1021.1	1032.6	1037.2
45°	1062.6	1060.3	1071.9	1076.5	1088.0	1101.9	1101.9	1106.5	1125.0	1136.6	1143.5
47.5°	1175.8	1180.5	1187.4	1194.3	1212.8	1215.1	1226.7	1233.6	1245.1	1256.7	1259.0
50°	1307.5	1307.5	1314.4	1328.3	1339.8	1351.4	1358.3	1367.6	1376.8	1395.3	1404.5
52.5°	1446.1	1448.4	1457.7	1471.5	1490.0	1492.3	1499.2	1515.4	1522.3	1527.0	1543.1
55°	1603.2	1596.3	1603.2	1624.0	1644.8	1642.5	1644.8	1663.3	1674.8	1684.0	1688.7
57.5°	1746.4	1746.4	1753.4	1769.5	1774.1	1781.1	1783.4	1799.6	1813.4	1825.0	1827.3
60°	1903.5	1901.2	1905.8	1919.7	1935.8	1935.8	1933.5	1949.7	1963.6	1965.9	1982.1
62.5°	2060.6	2053.7	2058.3	2067.5	2076.8	2067.5	2076.8	2090.6	2102.2	2111.4	2116.0
65°	2224.6	2215.4	2217.7	2208.4	2194.6	2183.0	2203.8	2243.1	2277.7	2296.2	2298.5
67.5°	2390.9	2390.9	2365.5	2342.4	2319.3	2305.5	2298.5	2298.5	2321.6	2347.0	2342.4
70°	2254.6	2259.3	2238.5	2222.3	2185.3	2173.8	2166.9	2143.8	2155.3	2162.2	2146.1
72.5°	2032.9	2007.5	1998.2	1991.3	1963.6	1942.8	1919.7	1903.5	1896.6	1901.2	1882.7
75°	1679.4	1730.3	1702.5	1688.7	1670.2	1660.9	1600.9	1582.4	1580.1	1598.6	1598.6
77.5°	1277.5	1305.2	1286.7	1293.6	1265.9	1261.3	1238.2	1217.4	1201.2	1196.6	1150.4
80°	663.0	683.8	688.4	711.5	706.9	693.0	676.9	616.8	600.6	609.9	566.0
82.5°	120.1	124.7	127.1	129.4	120.1	124.7	127.1	115.5	122.4	120.1	115.5
85°	69.3	69.3	71.6	71.6	67.0	62.4	67.0	64.7	64.7	69.3	69.3
87.5°	60.1	62.4	64.7	64.7	57.8	53.1	57.8	57.8	60.1	62.4	62.4
90°	62.4	62.4	67.0	67.0	60.1	55.4	62.4	64.7	64.7	64.7	67.0
92.5°	83.2	80.9	83.2	83.2	76.2	71.6	80.9	80.9	80.9	80.9	83.2
95°	80.9	78.5	80.9	78.5	73.9	69.3	76.2	78.5	78.5	78.5	80.9
97.5°	69.3	69.3	69.3	69.3	62.4	60.1	69.3	69.3	67.0	67.0	69.3
100°	53.1	50.8	50.8	50.8	48.5	48.5	53.1	50.8	48.5	50.8	53.1
102.5°	34.7	34.7	34.7	34.7	34.7	34.7	34.7	32.3	32.3	32.3	37.0
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°	584.5	584.5	584.5	584.5	584.5	584.5	584.5	584.5	584.5	584.5
2.5°	579.8	579.8	582.1	579.8	579.8	577.5	575.2	572.9	575.2	575.2
5°	579.8	582.1	579.8	577.5	575.2	572.9	572.9	568.3	568.3	570.6
7.5°	577.5	582.1	577.5	575.2	568.3	566.0	563.7	559.0	559.0	559.0
10°	575.2	575.2	572.9	563.7	559.0	552.1	549.8	545.2	542.9	540.6
12.5°	575.2	575.2	568.3	561.3	554.4	545.2	542.9	538.2	535.9	533.6
15°	582.1	584.5	579.8	570.6	559.0	556.7	549.8	547.5	545.2	549.8
17.5°	593.7	591.4	586.8	577.5	570.6	568.3	559.0	559.0	556.7	561.3
20°	605.2	600.6	596.0	591.4	582.1	577.5	577.5	570.6	572.9	568.3
22.5°	619.1	621.4	614.5	607.6	600.6	598.3	596.0	596.0	593.7	593.7
25°	642.2	642.2	637.6	630.7	626.0	621.4	619.1	621.4	616.8	623.7
27.5°	669.9	667.6	667.6	663.0	656.1	653.8	651.4	653.8	651.4	651.4
30°	697.6	702.3	697.6	695.3	690.7	690.7	688.4	688.4	690.7	688.4
32.5°	741.5	743.8	743.8	741.5	736.9	734.6	734.6	736.9	741.5	739.2
35°	799.3	801.6	806.2	810.8	810.8	806.2	801.6	799.3	801.6	801.6
37.5°	875.5	877.8	882.5	882.5	880.1	877.8	880.1	884.8	875.5	875.5
40°	954.1	951.8	956.4	961.0	963.3	961.0	958.7	963.3	967.9	974.9
42.5°	1041.8	1046.5	1048.8	1058.0	1062.6	1062.6	1060.3	1067.3	1069.6	1069.6
45°	1145.8	1157.4	1152.7	1168.9	1182.8	1185.1	1178.1	1182.8	1178.1	1182.8
47.5°	1265.9	1275.2	1284.4	1298.3	1305.2	1309.8	1307.5	1312.1	1316.7	1316.7
50°	1402.2	1409.1	1425.3	1443.8	1455.4	1455.4	1446.1	1455.4	1464.6	1462.3
52.5°	1545.4	1559.3	1575.5	1591.6	1600.9	1603.2	1603.2	1610.1	1607.8	1607.8
55°	1695.6	1707.2	1727.9	1737.2	1748.7	1753.4	1753.4	1755.7	1753.4	1753.4
57.5°	1838.8	1852.7	1868.9	1887.3	1898.9	1903.5	1898.9	1898.9	1898.9	1894.3
60°	1986.7	1995.9	2012.1	2025.9	2032.9	2042.1	2042.1	2039.8	2037.5	2035.2
62.5°	2123.0	2127.6	2132.2	2134.5	2141.4	2159.9	2159.9	2171.5	2171.5	2169.2
65°	2300.8	2280.1	2261.6	2266.2	2282.4	2298.5	2312.4	2358.6	2381.7	2390.9
67.5°	2335.5	2305.5	2277.7	2275.4	2284.7	2289.3	2296.2	2321.6	2347.0	2347.0
70°	2132.2	2113.7	2088.3	2099.9	2106.8	2099.9	2109.1	2125.3	2148.4	2127.6
72.5°	1868.9	1838.8	1857.3	1868.9	1857.3	1848.1	1852.7	1850.4	1866.5	1882.7
75°	1577.8	1515.4	1515.4	1515.4	1520.0	1499.2	1499.2	1501.6	1531.6	1490.0
77.5°	1168.9	1125.0	1113.5	1067.3	1062.6	1034.9	1053.4	1041.8	1069.6	1053.4
80°	545.2	526.7	519.8	473.6	464.3	390.4	418.1	371.9	385.8	346.5
82.5°	113.2	110.9	108.6	97.0	87.8	76.2	90.1	101.6	104.0	101.6
85°	71.6	73.9	73.9	69.3	64.7	57.8	69.3	85.5	90.1	90.1
87.5°	62.4	64.7	64.7	62.4	57.8	50.8	57.8	64.7	67.0	64.7
90°	67.0	69.3	67.0	64.7	60.1	53.1	60.1	62.4	50.8	53.1
92.5°	80.9	80.9	78.5	78.5	76.2	67.0	73.9	60.1	23.1	6.9
95°	78.5	76.2	76.2	73.9	71.6	60.1	60.1	16.2	0.0	0.0
97.5°	67.0	62.4	62.4	60.1	60.1	50.8	37.0	0.0	0.0	0.0
100°	50.8	43.9	43.9	41.6	41.6	34.7	13.9	0.0	0.0	0.0
102.5°	34.7	27.7	25.4	23.1	23.1	20.8	2.3	0.0	0.0	0.0
105°	18.5	11.6	9.2	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)