

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: P691733

Luminaire Tested: **CRTK2-C018-D-U-T5R-7040**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691733
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-7040
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 4000K LED WITH TYPE V ROUND OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7329 lumens
Efficiency: N/A
Efficacy: 145.4 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.08')
IES Classification: Type V - Short
BUG Rating: B3 - U3 - G2

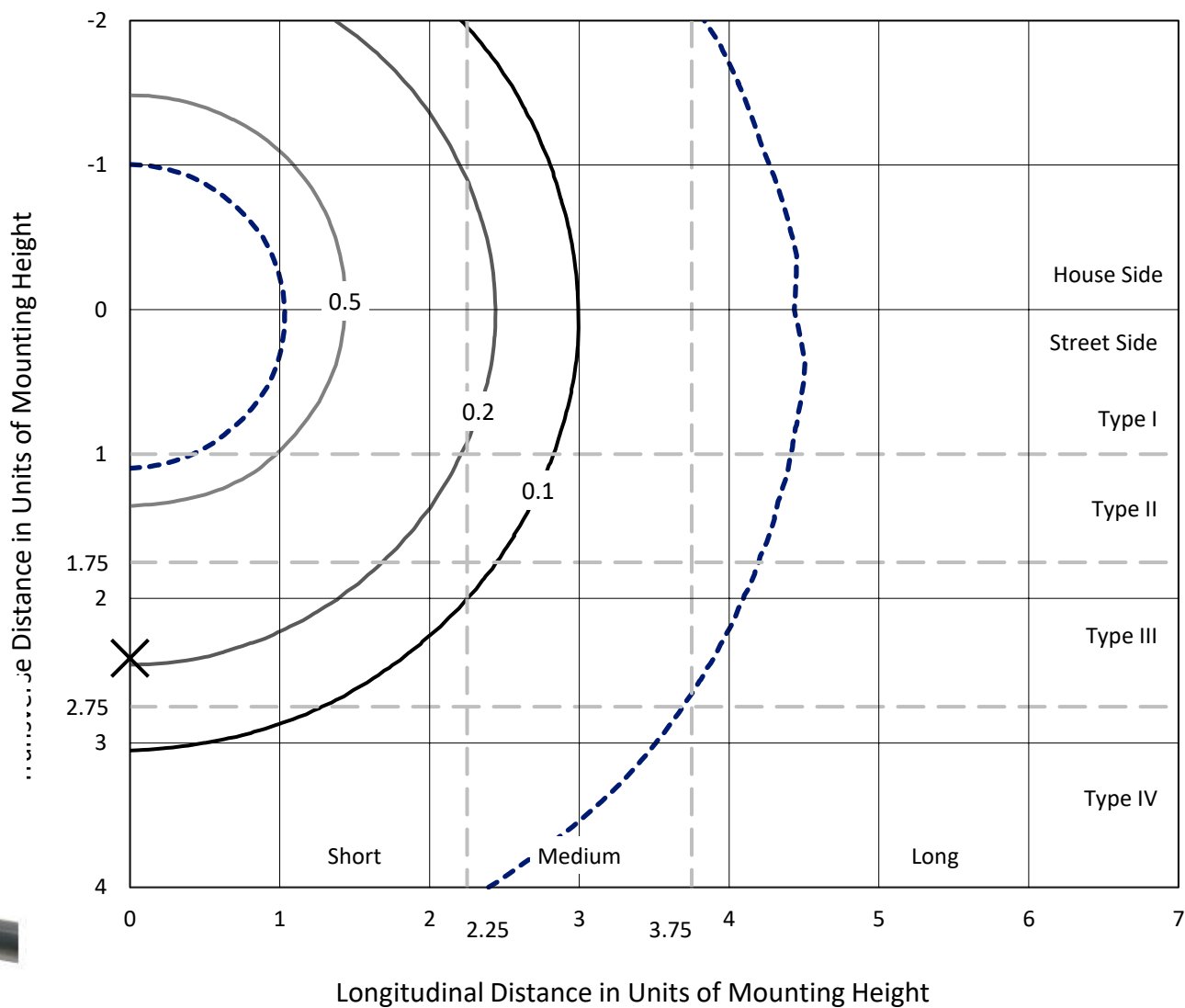
Input Watts (W): 50.4
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

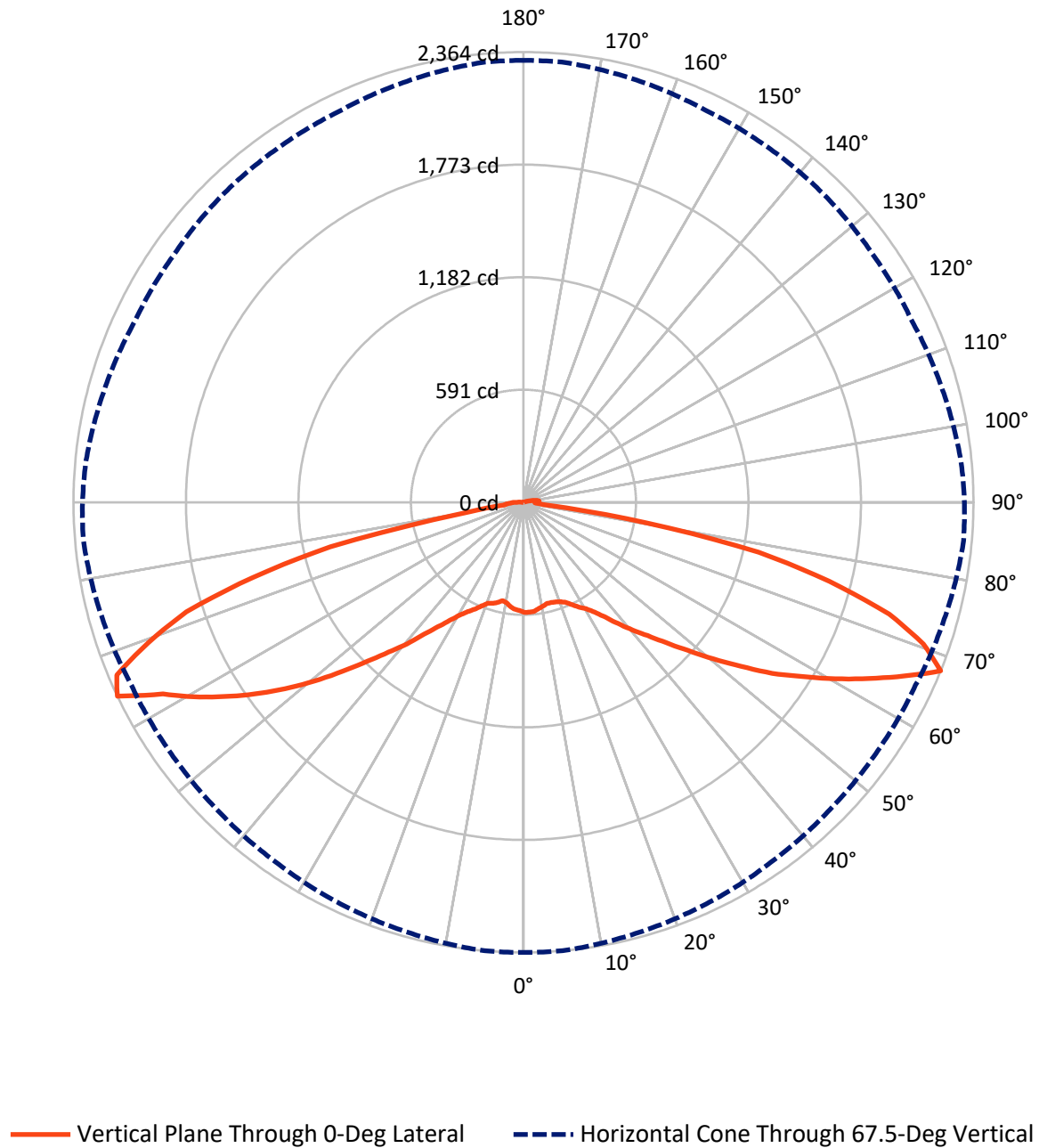
✕ Max cd
 - - - 1/2 Max cd



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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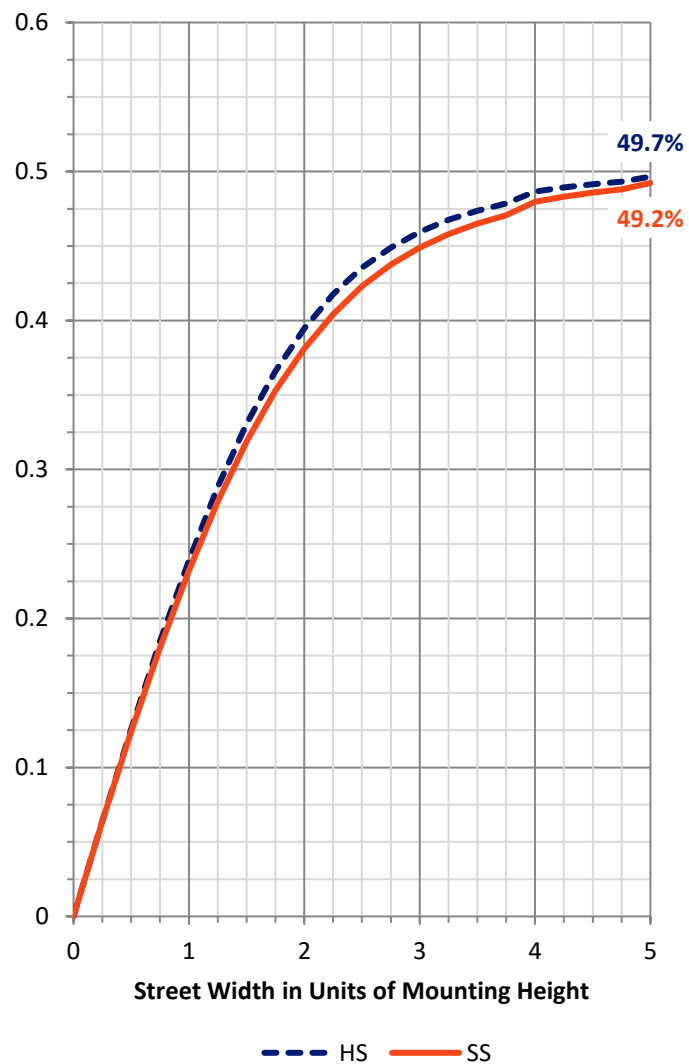
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3628.7	34.4	3663.1
	% Fixture	49.5	0.5	50.0
Street Side	Lumens	3617.2	48.7	3665.9
	% Fixture	49.4	0.7	50.0
Total	Lumens	7246.0	83.1	7329.0
	% Fixture	98.9	1.1	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	54.1	0.7
10°-20°	159.5	2.2
20°-30°	288.3	3.9
30°-40°	497.1	6.8
40°-50°	881.9	12.0
50°-60°	1501.4	20.5
60°-70°	2151.1	29.4
70°-80°	1564.0	21.3
80°-90°	148.5	2.0
90°-100°	67.0	0.9
100°-110°	16.0	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°	7246.0	98.9
0°-180°	7329.0	100.0

Coefficient of Utilization



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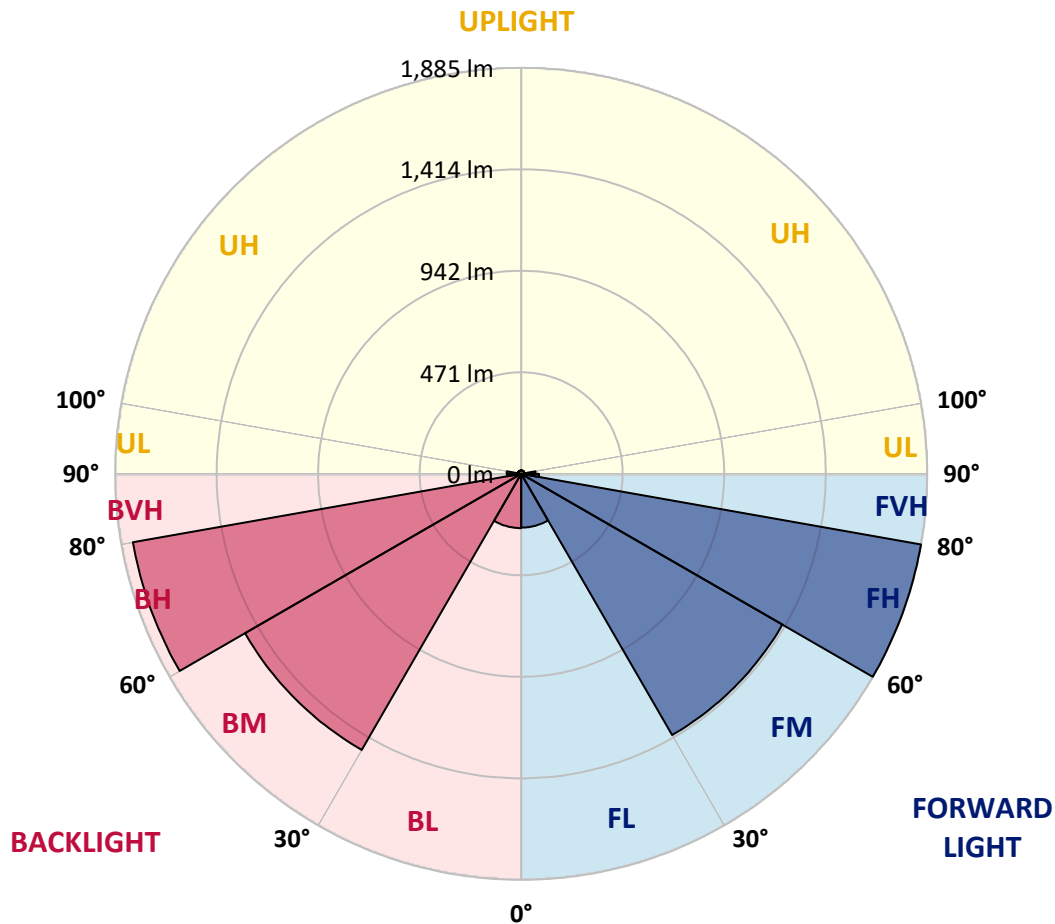
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	249.8	3.4			
FM	(30°-60°)	1400.2	19.1			
FH	(60°-80°)	1884.8	25.7			G2/5000
FVH	(80°-90°)	82.5	1.1			G1/100
BL	(0°-30°)	252.1	3.4	B1/500		
BM	(30°-60°)	1480.3	20.2	B2/2500		
BH	(60°-80°)	1830.3	25.0	B3/2500		G2/5000
BVH	(80°-90°)	66.0	0.9			G1/100
UL	(90°-100°)	67.0	0.9		U3/500	
UH	(100°-180°)	16.0	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°	577.8	577.8	577.8	577.8	577.8	577.8	577.8	577.8	577.8	577.8	577.8
2.5°	577.8	577.8	577.8	577.8	577.8	577.8	575.5	570.9	570.9	570.9	570.9
5°	575.5	575.5	575.5	575.5	577.8	577.8	577.8	573.2	573.2	573.2	573.2
7.5°	564.0	564.0	566.3	566.3	568.6	570.9	568.6	568.6	568.6	570.9	570.9
10°	554.9	554.9	557.2	557.2	559.5	559.5	564.0	564.0	566.3	568.6	568.6
12.5°	545.8	545.8	548.1	552.6	554.9	557.2	559.5	561.8	566.3	568.6	568.6
15°	545.8	545.8	545.8	550.3	557.2	561.8	564.0	568.6	573.2	575.5	577.8
17.5°	550.3	550.3	550.3	554.9	559.5	566.3	573.2	575.5	580.0	584.6	584.6
20°	557.2	557.2	559.5	564.0	570.9	575.5	580.0	586.9	591.5	596.0	598.3
22.5°	570.9	573.2	573.2	575.5	582.3	589.2	593.7	598.3	605.2	609.7	614.3
25°	596.0	593.7	593.7	598.3	602.9	609.7	612.0	616.6	623.4	630.3	632.6
27.5°	623.4	621.1	621.1	625.7	630.3	634.8	637.1	644.0	650.8	657.7	660.0
30°	648.5	648.5	650.8	655.4	660.0	666.8	669.1	675.9	680.5	689.6	689.6
32.5°	687.4	689.6	691.9	694.2	698.8	705.6	712.5	714.8	719.3	726.2	730.8
35°	739.9	744.5	744.5	746.7	758.2	765.0	760.4	767.3	774.1	783.3	787.8
37.5°	808.4	806.1	813.0	822.1	824.4	831.2	828.9	833.5	842.6	854.1	860.9
40°	881.5	883.8	883.8	886.0	892.9	895.2	904.3	911.2	920.3	936.3	940.8
42.5°	956.8	961.4	966.0	968.2	979.7	981.9	988.8	997.9	1009.3	1020.8	1025.3
45°	1050.5	1048.2	1059.6	1064.2	1075.6	1089.3	1089.3	1093.8	1112.1	1123.5	1130.4
47.5°	1162.4	1166.9	1173.8	1180.6	1198.9	1201.2	1212.6	1219.4	1230.9	1242.3	1244.6
50°	1292.5	1292.5	1299.4	1313.1	1324.5	1335.9	1342.8	1351.9	1361.0	1379.3	1388.4
52.5°	1429.5	1431.8	1440.9	1454.7	1472.9	1475.2	1482.1	1498.0	1504.9	1509.5	1525.4
55°	1584.8	1578.0	1584.8	1605.4	1625.9	1623.6	1625.9	1644.2	1655.6	1664.7	1669.3
57.5°	1726.4	1726.4	1733.3	1749.2	1753.8	1760.7	1762.9	1778.9	1792.6	1804.0	1806.3
60°	1881.7	1879.4	1884.0	1897.7	1913.7	1913.7	1911.4	1927.4	1941.1	1943.3	1959.3
62.5°	2037.0	2030.1	2034.7	2043.8	2053.0	2043.8	2053.0	2066.7	2078.1	2087.2	2091.8
65°	2199.1	2190.0	2192.3	2183.1	2169.4	2158.0	2178.6	2217.4	2251.6	2269.9	2272.2
67.5°	2363.5	2363.5	2338.4	2315.6	2292.7	2279.0	2272.2	2272.2	2295.0	2320.1	2315.6
70°	2228.8	2233.4	2212.8	2196.8	2160.3	2148.9	2142.0	2119.2	2130.6	2137.4	2121.5
72.5°	2009.6	1984.4	1975.3	1968.5	1941.1	1920.5	1897.7	1881.7	1874.8	1879.4	1861.1
75°	1660.2	1710.4	1683.0	1669.3	1651.0	1641.9	1582.5	1564.3	1562.0	1580.2	1580.2
77.5°	1262.8	1290.2	1272.0	1278.8	1251.4	1246.8	1224.0	1203.5	1187.5	1182.9	1137.2
80°	655.4	675.9	680.5	703.3	698.8	685.1	669.1	609.7	593.7	602.9	559.5
82.5°	118.7	123.3	125.6	127.9	118.7	123.3	125.6	114.2	121.0	118.7	114.2
85°	68.5	68.5	70.8	70.8	66.2	61.7	66.2	63.9	63.9	68.5	68.5
87.5°	59.4	61.7	63.9	63.9	57.1	52.5	57.1	57.1	59.4	61.7	61.7
90°	61.7	61.7	66.2	66.2	59.4	54.8	61.7	63.9	63.9	63.9	66.2
92.5°	82.2	79.9	82.2	82.2	75.4	70.8	79.9	79.9	79.9	79.9	82.2
95°	79.9	77.6	79.9	77.6	73.1	68.5	75.4	77.6	77.6	77.6	79.9
97.5°	68.5	68.5	68.5	68.5	61.7	59.4	68.5	68.5	66.2	66.2	68.5
100°	52.5	50.2	50.2	50.2	48.0	48.0	52.5	50.2	48.0	50.2	52.5
102.5°	34.3	34.3	34.3	34.3	34.3	34.3	34.3	32.0	32.0	32.0	36.5
105°	20.6	20.6	18.3	18.3	18.3	18.3	18.3	16.0	16.0	16.0	20.6
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°	577.8	577.8	577.8	577.8	577.8	577.8	577.8	577.8	577.8	577.8
2.5°	573.2	573.2	575.5	573.2	573.2	570.9	568.6	566.3	568.6	568.6
5°	573.2	575.5	573.2	570.9	568.6	566.3	566.3	561.8	561.8	564.0
7.5°	570.9	575.5	570.9	568.6	561.8	559.5	557.2	552.6	552.6	552.6
10°	568.6	568.6	566.3	557.2	552.6	545.8	543.5	538.9	536.6	534.4
12.5°	568.6	568.6	561.8	554.9	548.1	538.9	536.6	532.1	529.8	527.5
15°	575.5	577.8	573.2	564.0	552.6	550.3	543.5	541.2	538.9	543.5
17.5°	586.9	584.6	580.0	570.9	564.0	561.8	552.6	552.6	550.3	554.9
20°	598.3	593.7	589.2	584.6	575.5	570.9	570.9	564.0	566.3	561.8
22.5°	612.0	614.3	607.4	600.6	593.7	591.5	589.2	589.2	586.9	586.9
25°	634.8	634.8	630.3	623.4	618.9	614.3	612.0	614.3	609.7	616.6
27.5°	662.2	660.0	660.0	655.4	648.5	646.3	644.0	646.3	644.0	644.0
30°	689.6	694.2	689.6	687.4	682.8	682.8	680.5	680.5	682.8	680.5
32.5°	733.0	735.3	735.3	733.0	728.5	726.2	726.2	728.5	733.0	730.8
35°	790.1	792.4	797.0	801.5	801.5	797.0	792.4	790.1	792.4	792.4
37.5°	865.5	867.8	872.3	872.3	870.1	867.8	870.1	874.6	865.5	865.5
40°	943.1	940.8	945.4	950.0	952.3	950.0	947.7	952.3	956.8	963.7
42.5°	1029.9	1034.5	1036.8	1045.9	1050.5	1050.5	1048.2	1055.0	1057.3	1057.3
45°	1132.7	1144.1	1139.5	1155.5	1169.2	1171.5	1164.6	1169.2	1164.6	1169.2
47.5°	1251.4	1260.5	1269.7	1283.4	1290.2	1294.8	1292.5	1297.1	1301.7	1301.7
50°	1386.1	1393.0	1409.0	1427.2	1438.7	1438.7	1429.5	1438.7	1447.8	1445.5
52.5°	1527.7	1541.4	1557.4	1573.4	1582.5	1584.8	1584.8	1591.7	1589.4	1589.4
55°	1676.2	1687.6	1708.1	1717.3	1728.7	1733.3	1733.3	1735.5	1733.3	1733.3
57.5°	1817.7	1831.4	1847.4	1865.7	1877.1	1881.7	1877.1	1877.1	1877.1	1872.5
60°	1963.9	1973.0	1989.0	2002.7	2009.6	2018.7	2018.7	2016.4	2014.1	2011.8
62.5°	2098.6	2103.2	2107.8	2110.0	2116.9	2135.2	2135.2	2146.6	2146.6	2144.3
65°	2274.5	2253.9	2235.6	2240.2	2256.2	2272.2	2285.9	2331.6	2354.4	2363.5
67.5°	2308.7	2279.0	2251.6	2249.3	2258.5	2263.0	2269.9	2295.0	2320.1	2320.1
70°	2107.8	2089.5	2064.4	2075.8	2082.6	2075.8	2084.9	2100.9	2123.7	2103.2
72.5°	1847.4	1817.7	1836.0	1847.4	1836.0	1826.9	1831.4	1829.2	1845.1	1861.1
75°	1559.7	1498.0	1498.0	1498.0	1502.6	1482.1	1482.1	1484.3	1514.0	1472.9
77.5°	1155.5	1112.1	1100.7	1055.0	1050.5	1023.1	1041.3	1029.9	1057.3	1041.3
80°	538.9	520.7	513.8	468.1	459.0	385.9	413.3	367.7	381.4	342.5
82.5°	111.9	109.6	107.3	95.9	86.8	75.4	89.1	100.5	102.8	100.5
85°	70.8	73.1	73.1	68.5	63.9	57.1	68.5	84.5	89.1	89.1
87.5°	61.7	63.9	63.9	61.7	57.1	50.2	57.1	63.9	66.2	63.9
90°	66.2	68.5	66.2	63.9	59.4	52.5	59.4	61.7	50.2	52.5
92.5°	79.9	79.9	77.6	77.6	75.4	66.2	73.1	59.4	22.8	6.9
95°	77.6	75.4	75.4	73.1	70.8	59.4	59.4	16.0	0.0	0.0
97.5°	66.2	61.7	61.7	59.4	59.4	50.2	36.5	0.0	0.0	0.0
100°	50.2	43.4	43.4	41.1	41.1	34.3	13.7	0.0	0.0	0.0
102.5°	34.3	27.4	25.1	22.8	22.8	20.6	2.3	0.0	0.0	0.0
105°	18.3	11.4	9.1	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)