

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: P690919

Luminaire Tested: **CRTK2-C01-5TLD-U-T5R-8027**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P690919
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-C01-5TLD-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: 8119 lumens
Efficiency: N/A
Efficacy: 135.3 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.08')
IES Classification: Type V - Short
BUG Rating: B3 - U3 - G2

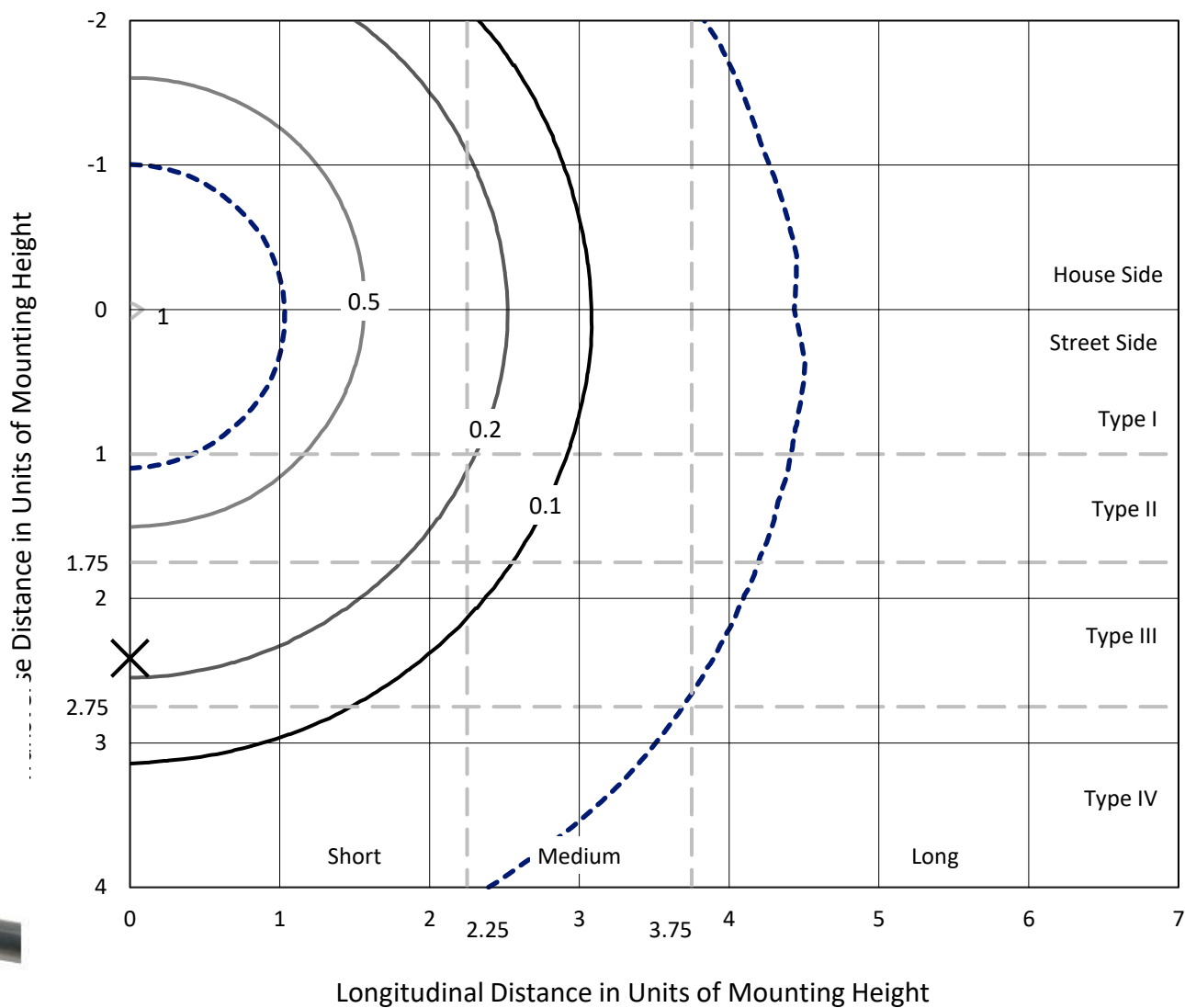
Input Watts (W): 60
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

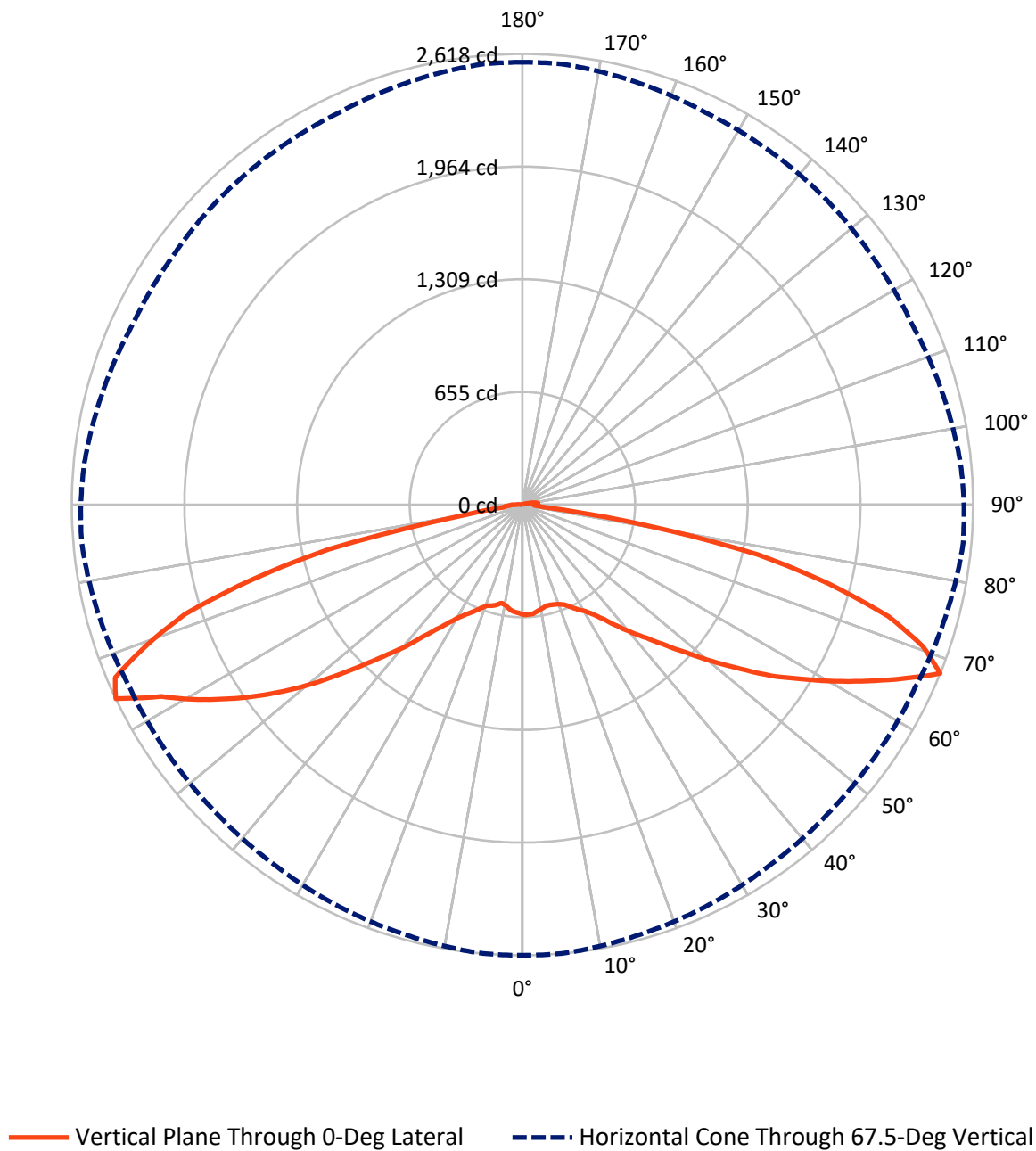
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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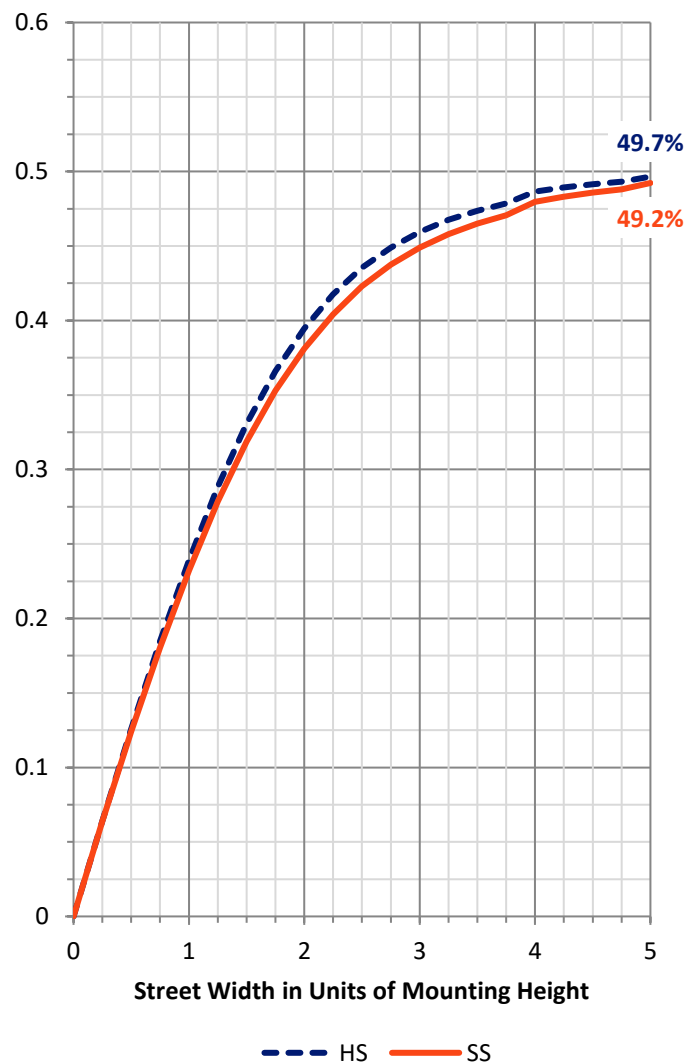
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4019.9	38.1	4058.0
	% Fixture	49.5	0.5	50.0
Street Side	Lumens	4007.1	53.9	4061.0
	% Fixture	49.4	0.7	50.0
Total	Lumens	8027.0	92.0	8119.0
	% Fixture	98.9	1.1	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	59.9	0.7
10°-20°	176.7	2.2
20°-30°	319.3	3.9
30°-40°	550.7	6.8
40°-50°	977.0	12.0
50°-60°	1663.3	20.5
60°-70°	2382.9	29.4
70°-80°	1732.6	21.3
80°-90°	164.5	2.0
90°-100°	74.2	0.9
100°-110°	17.8	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°	8027.0	98.9
0°-180°	8119.0	100.0

Coefficient of Utilization



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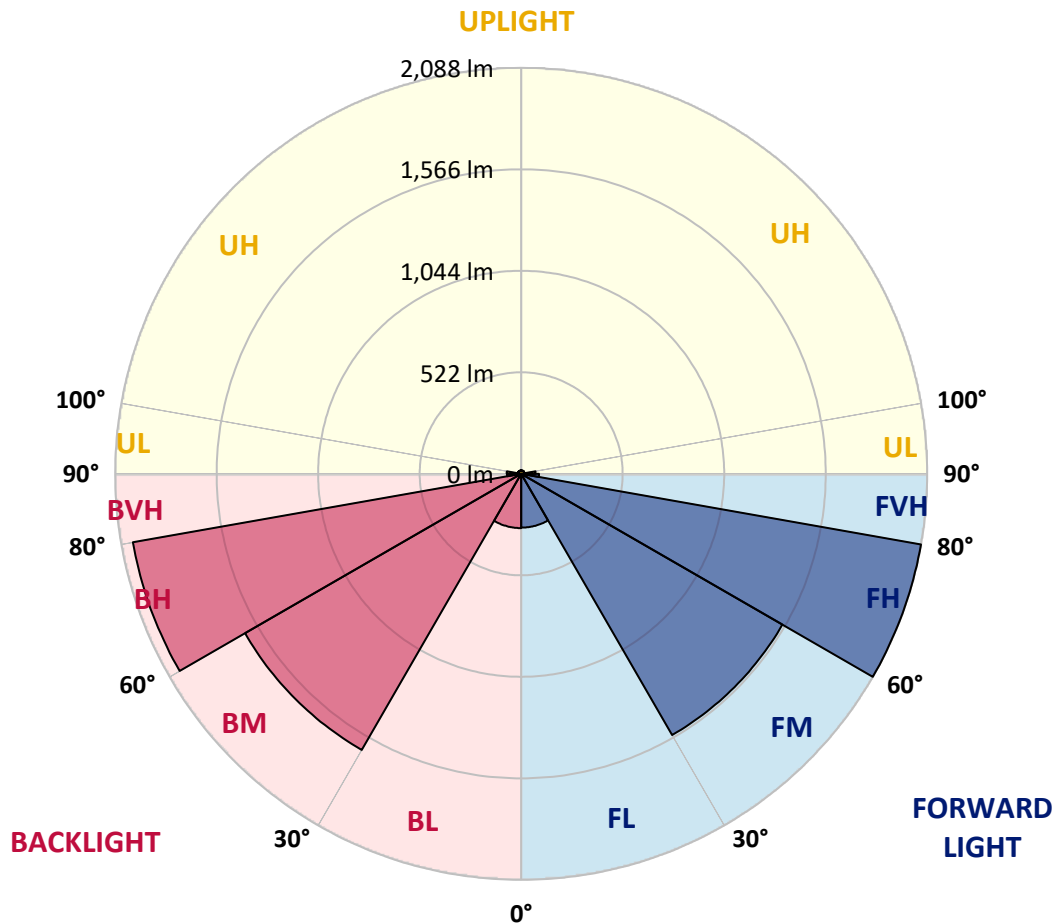
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	276.7	3.4			
FM	(30°-60°)	1551.1	19.1			
FH	(60°-80°)	2087.9	25.7			G2/5000
FVH	(80°-90°)	91.4	1.1			G1/100
BL	(0°-30°)	279.3	3.4	B1/500		
BM	(30°-60°)	1639.9	20.2	B2/2500		
BH	(60°-80°)	2027.6	25.0	B3/2500		G2/5000
BVH	(80°-90°)	73.1	0.9			G1/100
UL	(90°-100°)	74.2	0.9		U3/500	
UH	(100°-180°)	17.8	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°	640.0	640.0	640.0	640.0	640.0	640.0	640.0	640.0	640.0	640.0	640.0
2.5°	640.0	640.0	640.0	640.0	640.0	640.0	637.5	632.4	632.4	632.4	632.4
5°	637.5	637.5	637.5	637.5	640.0	640.0	640.0	635.0	635.0	635.0	635.0
7.5°	624.8	624.8	627.4	627.4	629.9	632.4	629.9	629.9	629.9	632.4	632.4
10°	614.7	614.7	617.3	617.3	619.8	619.8	624.8	624.8	627.4	629.9	629.9
12.5°	604.6	604.6	607.1	612.2	614.7	617.3	619.8	622.3	627.4	629.9	629.9
15°	604.6	604.6	604.6	609.7	617.3	622.3	624.8	629.9	635.0	637.5	640.0
17.5°	609.7	609.7	609.7	614.7	619.8	627.4	635.0	637.5	642.6	647.6	647.6
20°	617.3	617.3	619.8	624.8	632.4	637.5	642.6	650.1	655.2	660.3	662.8
22.5°	632.4	635.0	635.0	637.5	645.1	652.7	657.7	662.8	670.4	675.4	680.5
25°	660.3	657.7	657.7	662.8	667.9	675.4	678.0	683.0	690.6	698.2	700.7
27.5°	690.6	688.1	688.1	693.2	698.2	703.3	705.8	713.4	721.0	728.6	731.1
30°	718.4	718.4	721.0	726.0	731.1	738.7	741.2	748.8	753.9	764.0	764.0
32.5°	761.5	764.0	766.5	769.0	774.1	781.7	789.3	791.8	796.9	804.5	809.5
35°	819.6	824.7	824.7	827.2	839.9	847.5	842.4	850.0	857.6	867.7	872.8
37.5°	895.5	893.0	900.6	910.7	913.2	920.8	918.3	923.4	933.5	946.1	953.7
40°	976.5	979.0	979.0	981.5	989.1	991.7	1001.8	1009.4	1019.5	1037.2	1042.3
42.5°	1060.0	1065.0	1070.1	1072.6	1085.3	1087.8	1095.4	1105.5	1118.1	1130.8	1135.9
45°	1163.7	1161.2	1173.8	1178.9	1191.5	1206.7	1206.7	1211.7	1232.0	1244.6	1252.2
47.5°	1287.6	1292.7	1300.3	1307.9	1328.1	1330.6	1343.3	1350.9	1363.5	1376.2	1378.7
50°	1431.8	1431.8	1439.4	1454.6	1467.3	1479.9	1487.5	1497.6	1507.7	1528.0	1538.1
52.5°	1583.6	1586.2	1596.3	1611.4	1631.7	1634.2	1641.8	1659.5	1667.1	1672.2	1689.9
55°	1755.6	1748.1	1755.6	1778.4	1801.2	1798.7	1801.2	1821.4	1834.1	1844.2	1849.2
57.5°	1912.5	1912.5	1920.1	1937.8	1942.8	1950.4	1953.0	1970.7	1985.9	1998.5	2001.0
60°	2084.5	2082.0	2087.0	2102.2	2119.9	2119.9	2117.4	2135.1	2150.3	2152.8	2170.5
62.5°	2256.5	2248.9	2254.0	2264.1	2274.2	2264.1	2274.2	2289.4	2302.1	2312.2	2317.2
65°	2436.1	2426.0	2428.6	2418.4	2403.3	2390.6	2413.4	2456.4	2494.3	2514.6	2517.1
67.5°	2618.3	2618.3	2590.5	2565.2	2539.9	2524.7	2517.1	2517.1	2542.4	2570.2	2565.2
70°	2469.0	2474.1	2451.3	2433.6	2393.1	2380.5	2372.9	2347.6	2360.3	2367.8	2350.1
72.5°	2226.2	2198.4	2188.2	2180.6	2150.3	2127.5	2102.2	2084.5	2076.9	2082.0	2061.7
75°	1839.1	1894.8	1864.4	1849.2	1829.0	1818.9	1753.1	1732.9	1730.3	1750.6	1750.6
77.5°	1399.0	1429.3	1409.1	1416.7	1386.3	1381.2	1355.9	1333.2	1315.5	1310.4	1259.8
80°	726.0	748.8	753.9	779.2	774.1	758.9	741.2	675.4	657.7	667.9	619.8
82.5°	131.5	136.6	139.1	141.7	131.5	136.6	139.1	126.5	134.1	131.5	126.5
85°	75.9	75.9	78.4	78.4	73.4	68.3	73.4	70.8	70.8	75.9	75.9
87.5°	65.8	68.3	70.8	70.8	63.2	58.2	63.2	63.2	65.8	68.3	68.3
90°	68.3	68.3	73.4	73.4	65.8	60.7	68.3	70.8	70.8	70.8	73.4
92.5°	91.1	88.5	91.1	91.1	83.5	78.4	88.5	88.5	88.5	88.5	91.1
95°	88.5	86.0	88.5	86.0	81.0	75.9	83.5	86.0	86.0	86.0	88.5
97.5°	75.9	75.9	75.9	75.9	68.3	65.8	75.9	75.9	73.4	73.4	75.9
100°	58.2	55.7	55.7	55.7	53.1	53.1	58.2	55.7	53.1	55.7	58.2
102.5°	37.9	37.9	37.9	37.9	37.9	37.9	37.9	35.4	35.4	35.4	40.5
105°	22.8	22.8	20.2	20.2	20.2	20.2	20.2	17.7	17.7	17.7	22.8
107.5°	7.6	7.6	5.1	5.1	5.1	5.1	5.1	2.5	2.5	2.5	7.6
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°	640.0	640.0	640.0	640.0	640.0	640.0	640.0	640.0	640.0	640.0
2.5°	635.0	635.0	637.5	635.0	635.0	632.4	629.9	627.4	629.9	629.9
5°	635.0	637.5	635.0	632.4	629.9	627.4	627.4	622.3	622.3	624.8
7.5°	632.4	637.5	632.4	629.9	622.3	619.8	617.3	612.2	612.2	612.2
10°	629.9	629.9	627.4	617.3	612.2	604.6	602.1	597.0	594.5	592.0
12.5°	629.9	629.9	622.3	614.7	607.1	597.0	594.5	589.4	586.9	584.4
15°	637.5	640.0	635.0	624.8	612.2	609.7	602.1	599.6	597.0	602.1
17.5°	650.1	647.6	642.6	632.4	624.8	622.3	612.2	612.2	609.7	614.7
20°	662.8	657.7	652.7	647.6	637.5	632.4	632.4	624.8	627.4	622.3
22.5°	678.0	680.5	672.9	665.3	657.7	655.2	652.7	652.7	650.1	650.1
25°	703.3	703.3	698.2	690.6	685.6	680.5	678.0	680.5	675.4	683.0
27.5°	733.6	731.1	731.1	726.0	718.4	715.9	713.4	715.9	713.4	713.4
30°	764.0	769.0	764.0	761.5	756.4	756.4	753.9	753.9	756.4	753.9
32.5°	812.0	814.6	814.6	812.0	807.0	804.5	804.5	807.0	812.0	809.5
35°	875.3	877.8	882.9	887.9	887.9	882.9	877.8	875.3	877.8	877.8
37.5°	958.8	961.3	966.4	966.4	963.8	961.3	963.8	968.9	958.8	958.8
40°	1044.8	1042.3	1047.3	1052.4	1054.9	1052.4	1049.8	1054.9	1060.0	1067.6
42.5°	1140.9	1146.0	1148.5	1158.6	1163.7	1163.7	1161.2	1168.7	1171.3	1171.3
45°	1254.8	1267.4	1262.3	1280.1	1295.2	1297.8	1290.2	1295.2	1290.2	1295.2
47.5°	1386.3	1396.4	1406.5	1421.7	1429.3	1434.4	1431.8	1436.9	1442.0	1442.0
50°	1535.6	1543.1	1560.9	1581.1	1593.7	1593.7	1583.6	1593.7	1603.9	1601.3
52.5°	1692.4	1707.6	1725.3	1743.0	1753.1	1755.6	1755.6	1763.2	1760.7	1760.7
55°	1856.8	1869.5	1892.3	1902.4	1915.0	1920.1	1920.1	1922.6	1920.1	1920.1
57.5°	2013.7	2028.9	2046.6	2066.8	2079.5	2084.5	2079.5	2079.5	2079.5	2074.4
60°	2175.6	2185.7	2203.4	2218.6	2226.2	2236.3	2236.3	2233.8	2231.2	2228.7
62.5°	2324.8	2329.9	2335.0	2337.5	2345.1	2365.3	2365.3	2378.0	2378.0	2375.4
65°	2519.6	2496.9	2476.6	2481.7	2499.4	2517.1	2532.3	2582.9	2608.2	2618.3
67.5°	2557.6	2524.7	2494.3	2491.8	2501.9	2507.0	2514.6	2542.4	2570.2	2570.2
70°	2335.0	2314.7	2286.9	2299.5	2307.1	2299.5	2309.7	2327.4	2352.7	2329.9
72.5°	2046.6	2013.7	2033.9	2046.6	2033.9	2023.8	2028.9	2026.3	2044.0	2061.7
75°	1727.8	1659.5	1659.5	1659.5	1664.6	1641.8	1641.8	1644.3	1677.2	1631.7
77.5°	1280.1	1232.0	1219.3	1168.7	1163.7	1133.3	1153.6	1140.9	1171.3	1153.6
80°	597.0	576.8	569.2	518.6	508.5	427.5	457.9	407.3	422.5	379.5
82.5°	124.0	121.4	118.9	106.2	96.1	83.5	98.7	111.3	113.8	111.3
85°	78.4	81.0	81.0	75.9	70.8	63.2	75.9	93.6	98.7	98.7
87.5°	68.3	70.8	70.8	68.3	63.2	55.7	63.2	70.8	73.4	70.8
90°	73.4	75.9	73.4	70.8	65.8	58.2	65.8	68.3	55.7	58.2
92.5°	88.5	88.5	86.0	86.0	83.5	73.4	81.0	65.8	25.3	7.6
95°	86.0	83.5	83.5	81.0	78.4	65.8	65.8	17.7	0.0	0.0
97.5°	73.4	68.3	68.3	65.8	65.8	55.7	40.5	0.0	0.0	0.0
100°	55.7	48.1	48.1	45.5	45.5	37.9	15.2	0.0	0.0	0.0
102.5°	37.9	30.4	27.8	25.3	25.3	22.8	2.5	0.0	0.0	0.0
105°	20.2	12.6	10.1	7.6	7.6	5.1	0.0	0.0	0.0	0.0
107.5°	7.6	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)