

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: P691760

Luminaire Tested: **CRTK2-C01H-5TLD-U-T2-7040-SR-CARETAKER**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691760
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-5)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C01H-5TLD-U-T2-7040-SR-CARETAKER
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 4000K LED WITH TYPE II OPTIC AND SR REFRACTOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9928 lumens
Efficiency: N/A
Efficacy: 132.5 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.29')
IES Classification: Type I - Short
BUG Rating: B3 - U3 - G3

Input Watts (W): 74.9
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

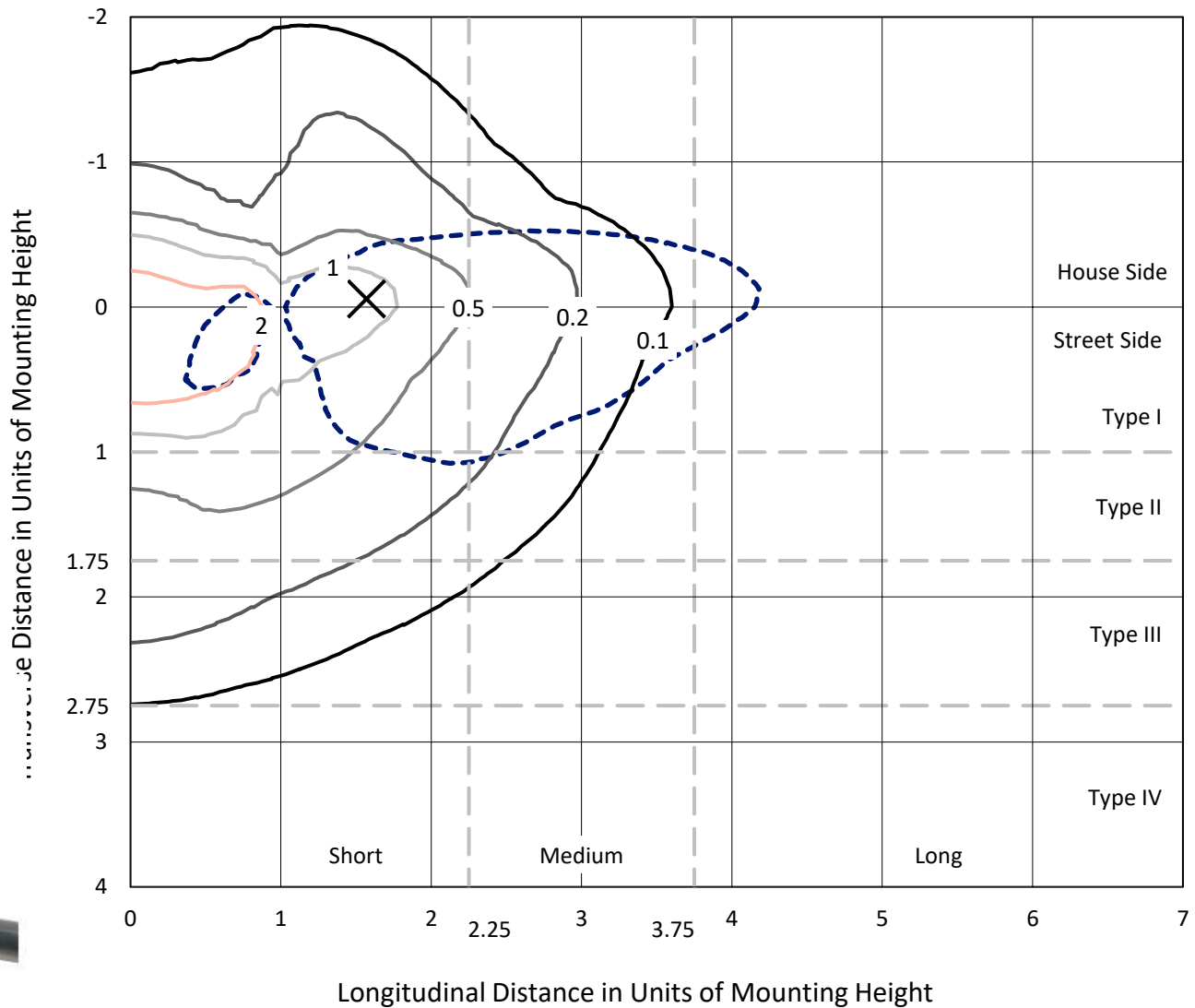


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

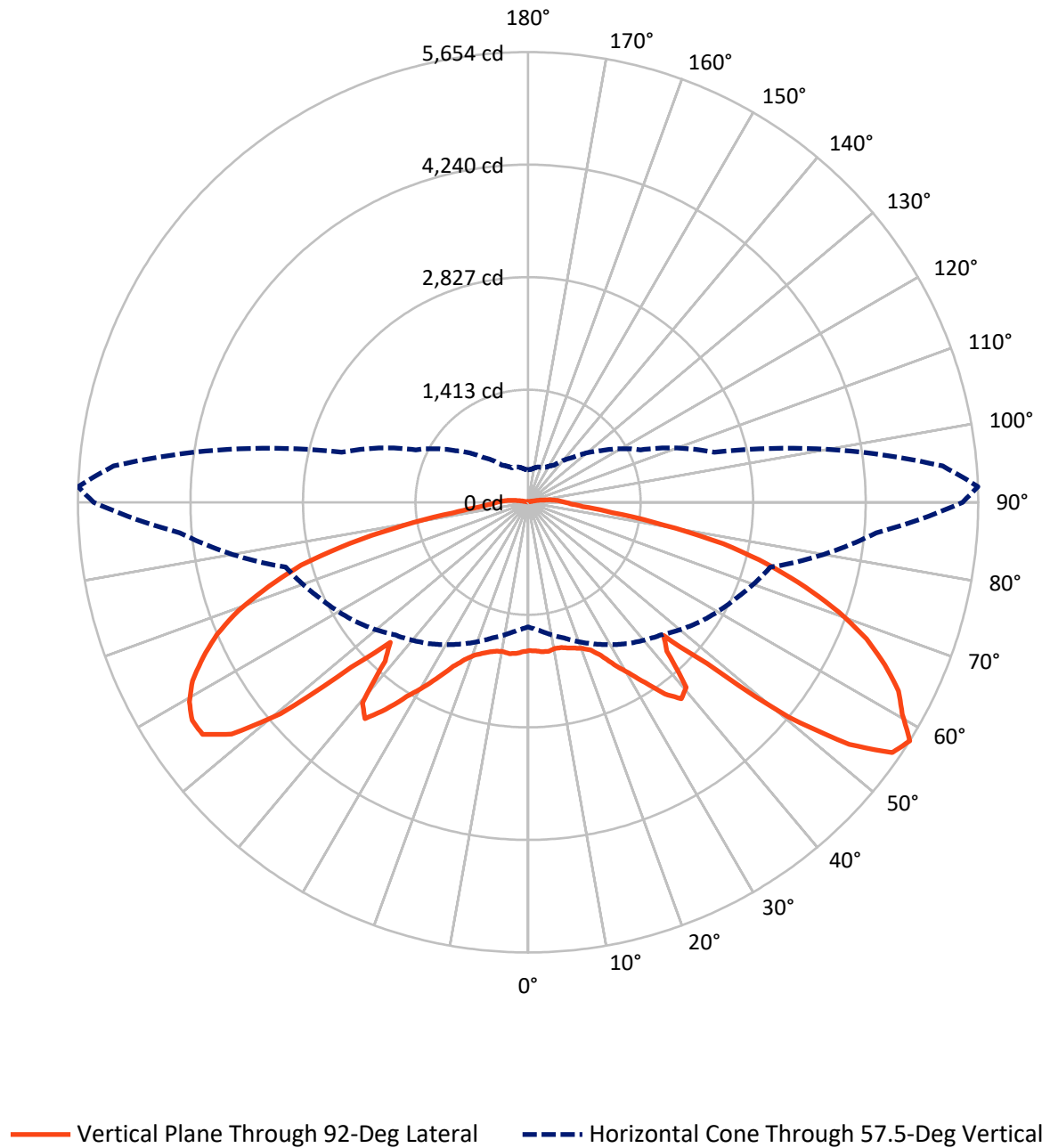


Based on 25 foot mounting height. Maximum calculated value = 3.3 fc
 Type I - Short - N/A

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Luminous Intensity Polar Plot



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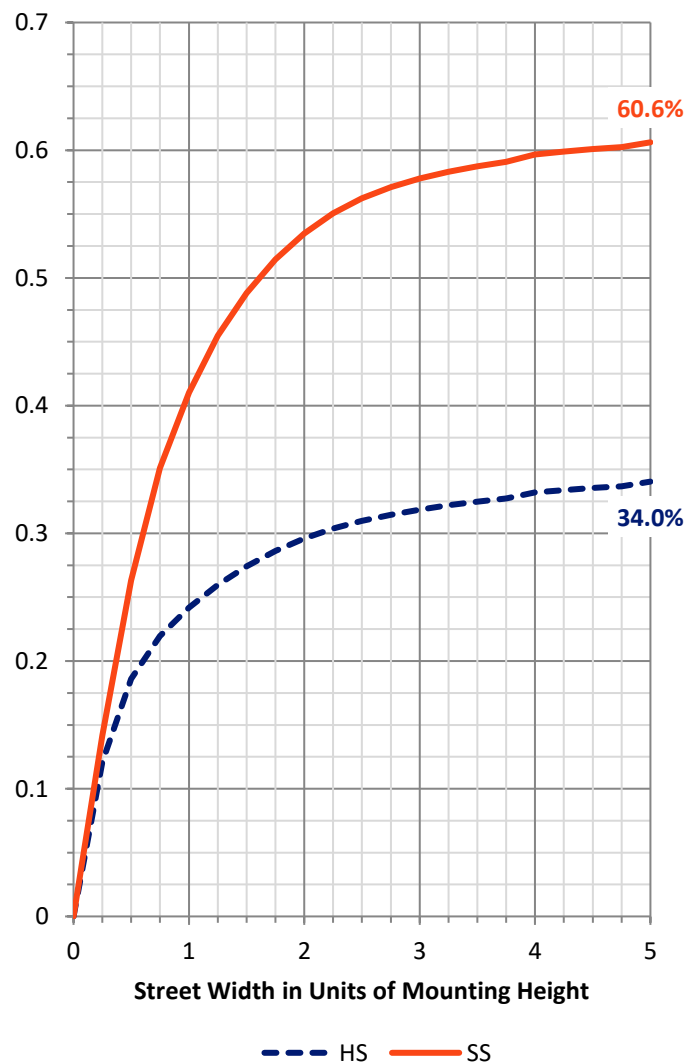
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3542.4	154.7	3697.1
	% Fixture	35.7	1.6	37.2
Street Side	Lumens	6104.5	126.4	6230.8
	% Fixture	61.5	1.3	62.8
Total	Lumens	9646.9	281.1	9928.0
	% Fixture	97.2	2.8	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	178.6	1.8
10°-20°	526.1	5.3
20°-30°	872.6	8.8
30°-40°	1207.6	12.2
40°-50°	1127.6	11.4
50°-60°	1684.9	17.0
60°-70°	2001.4	20.2
70°-80°	1468.9	14.8
80°-90°	579.1	5.8
90°-100°	203.9	2.1
100°-110°	48.2	0.5
110°-120°	18.6	0.2
120°-130°	9.5	0.1
130°-140°	0.8	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°	9646.9	97.2
0°-180°	9928.0	100.0

Coefficient of Utilization



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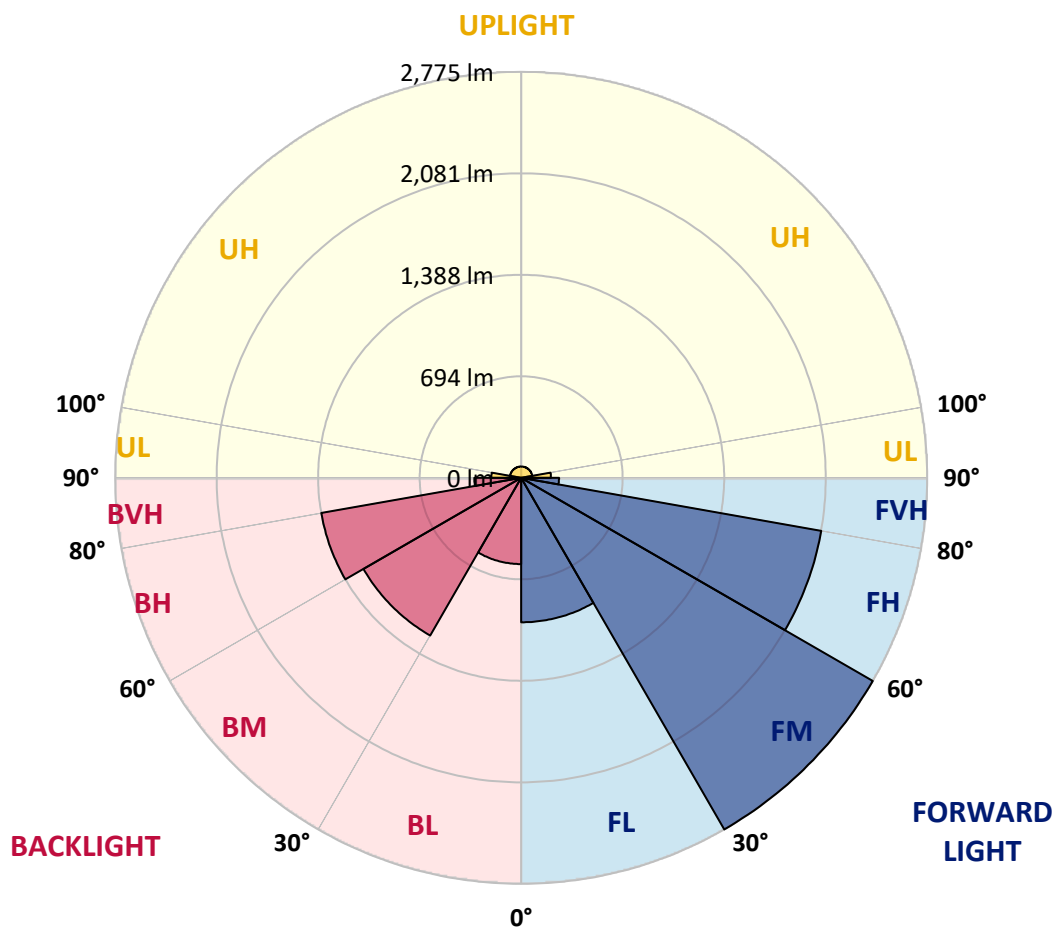
CATALOG NUMBER: CRTK2-C01H-5TLD-U-T2-7040-SR-CARETAKER

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	987.6	9.9			
FM	(30°-60°)	2775.3	28.0			
FH	(60°-80°)	2082.7	21.0			G2/5000
FVH	(80°-90°)	258.9	2.6			G3/500
BL	(0°-30°)	589.7	5.9	B2/1000		
BM	(30°-60°)	1244.8	12.5	B2/2500		
BH	(60°-80°)	1387.6	14.0	B3/2500		G3/2500
BVH	(80°-90°)	320.3	3.2			G3/500
UL	(90°-100°)	203.9	2.1		U3/500	
UH	(100°-180°)	77.2	0.8		U3/500	

BUG Rating: B3-U3-G3

Type I Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1862.3	1862.3	1862.3	1862.3	1862.3	1862.3	1862.3	1862.3	1862.3	1862.3	1862.3
2.5°	1942.6	1929.2	1932.5	1929.2	1922.5	1915.8	1909.1	1902.5	1892.4	1882.4	1875.7
5°	2056.3	2042.9	2042.9	2042.9	2029.5	2009.4	1982.7	1966.0	1942.6	1915.8	1895.8
7.5°	2133.2	2123.1	2119.8	2116.4	2099.7	2086.3	2056.3	2002.8	1966.0	1932.5	1902.5
10°	2159.9	2159.9	2156.6	2146.5	2129.8	2113.1	2093.0	2042.9	1982.7	1925.9	1885.7
12.5°	2210.1	2216.7	2206.7	2190.0	2183.3	2163.2	2133.2	2093.0	2026.2	1939.2	1892.4
15°	2287.0	2283.6	2270.2	2266.9	2260.2	2236.8	2210.1	2159.9	2083.0	1972.7	1919.2
17.5°	2320.4	2317.0	2317.0	2317.0	2317.0	2300.3	2297.0	2240.1	2159.9	2026.2	1959.3
20°	2327.1	2327.1	2337.1	2360.5	2363.9	2360.5	2377.2	2340.5	2246.8	2093.0	2002.8
22.5°	2370.5	2373.9	2390.6	2414.0	2430.7	2437.4	2450.8	2467.5	2380.6	2200.0	2086.3
25°	2347.1	2363.9	2400.6	2437.4	2477.5	2500.9	2574.5	2631.3	2557.8	2357.2	2203.4
27.5°	2307.0	2320.4	2393.9	2460.8	2551.1	2648.1	2755.0	2828.6	2785.1	2551.1	2390.6
30°	2343.8	2343.8	2390.6	2500.9	2618.0	2795.2	2952.3	3032.6	3012.5	2755.0	2607.9
32.5°	2266.9	2287.0	2387.3	2547.7	2725.0	2955.7	3116.1	3266.6	3286.7	3019.2	2781.8
35°	2039.5	2083.0	2149.9	2360.5	2661.4	3062.6	3310.1	3500.6	3584.2	3320.1	3042.6
37.5°	1685.1	1701.8	1842.3	2052.9	2410.7	2808.5	3236.5	3701.3	3875.1	3547.5	3303.4
40°	1487.9	1497.9	1588.2	1772.1	2073.0	2464.2	2825.3	3303.4	3440.5	3407.0	3176.3
42.5°	1421.0	1437.7	1544.7	1721.9	1976.0	2246.8	2340.5	2547.7	2494.3	2638.0	2711.6
45°	1501.2	1511.3	1588.2	1742.0	1902.5	2019.5	1952.6	2099.7	2173.3	2457.5	2474.2
47.5°	1558.1	1564.8	1648.3	1842.3	1869.0	1872.4	1962.6	2049.6	2253.5	2868.7	3142.9
50°	1337.4	1370.8	1531.3	1698.5	1711.9	1976.0	2233.5	2407.3	2658.1	3778.2	4303.1
52.5°	1240.4	1257.2	1431.0	1721.9	1915.8	2223.4	2407.3	2581.2	2821.9	4172.7	5095.5
55°	1360.8	1387.6	1594.9	1919.2	2113.1	2323.7	2554.4	2768.4	3005.8	4376.6	5449.9
57.5°	1564.8	1614.9	1765.4	1962.6	2166.6	2357.2	2624.7	2872.1	3149.6	4390.0	5456.6
60°	1969.3	1932.5	1849.0	1935.9	2133.2	2350.5	2658.1	2922.2	3229.8	4386.7	5302.8
62.5°	2246.8	2193.3	1915.8	1875.7	2059.6	2280.3	2584.5	2915.5	3213.1	4239.6	5128.9
65°	2193.3	2156.6	1942.6	1795.5	1929.2	2166.6	2484.2	2875.4	3132.9	4082.4	4814.6
67.5°	1892.4	1849.0	1758.7	1701.8	1768.7	2046.2	2390.6	2795.2	3039.2	3901.9	4470.3
70°	1544.7	1521.3	1491.2	1551.4	1635.0	1895.8	2220.1	2621.3	2862.0	3557.5	4102.5
72.5°	1310.7	1297.3	1260.5	1324.0	1464.5	1698.5	1969.3	2370.5	2641.4	3092.7	3647.8
75°	1103.4	1106.7	1086.6	1126.8	1217.0	1447.7	1661.7	2052.9	2353.8	2654.7	3156.3
77.5°	906.1	896.1	916.1	939.5	999.7	1166.9	1310.7	1651.7	2009.4	2106.4	2420.7
80°	662.0	678.7	715.5	712.2	762.3	835.9	932.8	1113.4	1411.0	1507.9	1628.3
82.5°	468.1	488.2	521.6	484.8	491.5	511.6	555.0	638.6	795.8	892.7	993.0
85°	331.0	341.0	347.7	321.0	321.0	334.4	364.4	424.6	521.6	581.8	635.3
87.5°	240.7	244.1	257.4	244.1	247.4	254.1	280.9	321.0	401.2	444.7	488.2
90°	183.9	183.9	190.6	187.2	193.9	207.3	234.0	267.5	327.7	381.2	421.3
92.5°	133.7	133.7	140.4	143.8	147.1	163.8	187.2	214.0	254.1	321.0	361.1
95°	103.6	103.6	110.3	110.3	113.7	127.1	147.1	173.9	204.0	250.8	287.5
97.5°	76.9	76.9	83.6	83.6	86.9	97.0	113.7	130.4	157.1	187.2	204.0
100°	60.2	60.2	63.5	63.5	66.9	76.9	86.9	97.0	103.6	120.4	127.1
102.5°	50.2	50.2	50.2	50.2	50.2	56.8	60.2	60.2	63.5	73.6	76.9
105°	40.1	40.1	40.1	36.8	36.8	40.1	40.1	40.1	43.5	43.5	46.8
107.5°	30.1	30.1	30.1	30.1	30.1	33.4	33.4	33.4	33.4	36.8	36.8
110°	26.7	26.7	26.7	26.7	26.7	26.7	30.1	30.1	30.1	30.1	30.1

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	23.4	23.4	23.4	23.4	23.4	23.4	26.7	26.7	26.7	26.7	26.7
115°	20.1	20.1	20.1	20.1	20.1	23.4	26.7	23.4	23.4	23.4	23.4
117.5°	16.7	16.7	16.7	20.1	20.1	20.1	23.4	20.1	20.1	20.1	23.4
120°	13.4	13.4	16.7	16.7	16.7	16.7	16.7	16.7	20.1	20.1	20.1
122.5°	13.4	13.4	13.4	13.4	13.4	16.7	16.7	16.7	16.7	16.7	20.1
125°	10.0	10.0	10.0	13.4	13.4	13.4	13.4	13.4	13.4	16.7	16.7
127.5°	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	13.4	13.4	13.4
130°	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
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):

	92°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1862.3	1862.3	1862.3	1862.3	1862.3	1862.3	1862.3	1862.3	1862.3	1862.3	1862.3
2.5°	1869.0	1869.0	1849.0	1828.9	1808.8	1788.8	1772.1	1762.0	1748.7	1752.0	1752.0
5°	1885.7	1875.7	1832.2	1805.5	1775.4	1748.7	1721.9	1698.5	1691.8	1688.5	1675.1
7.5°	1889.1	1872.4	1825.6	1785.4	1728.6	1665.1	1635.0	1608.2	1591.5	1604.9	1598.2
10°	1865.7	1845.6	1792.1	1731.9	1651.7	1598.2	1551.4	1524.6	1511.3	1514.6	1511.3
12.5°	1872.4	1849.0	1762.0	1671.8	1604.9	1514.6	1457.8	1434.4	1417.6	1417.6	1407.6
15°	1899.1	1859.0	1735.3	1641.7	1531.3	1454.4	1387.6	1370.8	1364.1	1357.5	1347.4
17.5°	1925.9	1869.0	1731.9	1588.2	1464.5	1380.9	1314.0	1283.9	1267.2	1267.2	1263.8
20°	1959.3	1889.1	1711.9	1531.3	1400.9	1290.6	1210.3	1183.6	1170.2	1166.9	1160.2
22.5°	2016.1	1942.6	1701.8	1507.9	1317.3	1203.7	1126.8	1076.6	1049.9	1046.5	1046.5
25°	2129.8	2039.5	1721.9	1444.4	1260.5	1113.4	1019.8	969.6	939.5	939.5	936.2
27.5°	2310.4	2166.6	1752.0	1421.0	1153.5	1016.4	919.5	842.6	815.8	815.8	819.2
30°	2487.6	2360.5	1828.9	1370.8	1093.3	889.4	772.3	715.5	682.1	668.7	672.0
32.5°	2698.2	2564.5	1935.9	1337.4	973.0	738.9	631.9	601.8	551.7	538.3	528.3
35°	2955.7	2761.7	2056.3	1290.6	879.3	628.6	541.6	481.5	458.1	441.3	438.0
37.5°	3129.5	2959.0	2163.2	1300.6	748.9	568.4	471.4	407.9	384.5	387.8	387.8
40°	3056.0	2858.7	2190.0	1233.8	638.6	494.8	394.5	357.8	344.4	347.7	351.1
42.5°	2554.4	2450.8	1812.2	1103.4	528.3	397.9	331.0	331.0	341.0	331.0	331.0
45°	2387.3	2126.5	1317.3	775.7	397.9	327.7	314.3	324.3	347.7	347.7	347.7
47.5°	3022.5	2728.3	1180.3	648.6	444.7	367.8	341.0	324.3	327.7	324.3	324.3
50°	4239.6	3778.2	1584.8	809.1	538.3	438.0	387.8	354.4	354.4	347.7	341.0
52.5°	5048.7	4563.9	1929.2	1013.1	675.4	511.6	444.7	384.5	364.4	351.1	347.7
55°	5550.2	5182.4	2226.8	1297.3	879.3	608.5	494.8	431.3	401.2	374.5	371.1
57.5°	5653.9	5225.9	2424.0	1558.1	1133.4	799.1	568.4	478.1	458.1	414.6	407.9
60°	5399.8	5115.6	2500.9	1728.6	1354.1	1053.2	742.3	555.0	511.6	481.5	474.8
62.5°	5222.6	4894.9	2474.2	1785.4	1491.2	1263.8	976.3	682.1	558.4	561.7	591.8
65°	4925.0	4704.3	2276.9	1701.8	1484.5	1334.1	1096.7	789.1	575.1	568.4	605.2
67.5°	4583.9	4410.1	2079.7	1518.0	1367.5	1237.1	1019.8	752.3	545.0	511.6	514.9
70°	4145.9	3998.8	1879.0	1414.3	1260.5	1096.7	886.0	652.0	538.3	484.8	484.8
72.5°	3641.1	3467.2	1711.9	1337.4	1203.7	1053.2	849.2	628.6	578.4	558.4	575.1
75°	3106.1	2885.4	1581.5	1263.8	1163.5	1053.2	845.9	628.6	578.4	561.7	561.7
77.5°	2504.3	2373.9	1441.1	1146.8	1083.3	1003.1	779.0	585.1	568.4	561.7	561.7
80°	1731.9	1711.9	1173.6	996.4	979.6	949.6	732.2	565.1	565.1	555.0	541.6
82.5°	1063.2	1013.1	839.2	745.6	802.4	845.9	665.4	531.6	518.2	508.2	501.5
85°	688.8	692.1	588.5	521.6	555.0	645.3	561.7	481.5	461.4	468.1	468.1
87.5°	528.3	545.0	461.4	424.6	417.9	438.0	441.3	431.3	417.9	407.9	411.3
90°	454.7	461.4	371.1	341.0	337.7	344.4	344.4	364.4	364.4	331.0	310.9
92.5°	381.2	391.2	307.6	277.5	277.5	287.5	294.2	294.2	267.5	217.3	193.9
95°	300.9	307.6	244.1	220.7	224.0	224.0	220.7	210.6	163.8	97.0	86.9
97.5°	210.6	214.0	180.5	167.2	170.5	163.8	143.8	130.4	100.3	56.8	53.5
100°	133.7	137.1	113.7	110.3	120.4	107.0	93.6	86.9	60.2	36.8	43.5
102.5°	80.2	80.2	70.2	66.9	73.6	63.5	56.8	46.8	36.8	23.4	30.1
105°	46.8	46.8	43.5	43.5	43.5	40.1	36.8	30.1	20.1	16.7	16.7
107.5°	36.8	36.8	33.4	33.4	30.1	30.1	26.7	20.1	13.4	10.0	10.0
110°	30.1	30.1	26.7	26.7	26.7	23.4	20.1	16.7	10.0	6.7	6.7

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CANDELA DISTRIBUTION (continued):

	92°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	26.7	26.7	23.4	23.4	20.1	20.1	16.7	13.4	10.0	6.7	6.7
115°	23.4	23.4	20.1	16.7	16.7	16.7	13.4	10.0	6.7	3.3	6.7
117.5°	23.4	23.4	16.7	13.4	13.4	13.4	10.0	10.0	6.7	3.3	3.3
120°	20.1	20.1	13.4	13.4	10.0	10.0	10.0	6.7	3.3	3.3	3.3
122.5°	16.7	16.7	13.4	10.0	10.0	10.0	6.7	6.7	3.3	3.3	3.3
125°	16.7	16.7	10.0	10.0	10.0	6.7	6.7	6.7	3.3	0.0	0.0
127.5°	13.4	13.4	10.0	10.0	6.7	6.7	6.7	3.3	3.3	0.0	0.0
130°	10.0	10.0	10.0	10.0	6.7	6.7	6.7	3.3	3.3	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

(END OF REPORT)