

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: P691968

Luminaire Tested: **CRTK2-C01HO-D-U-T3-7030-SR-CARETAKER**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691968
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-13)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C01HO-D-U-T3-7030-SR-CARETAKER
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K LED WITH TYPE III OPTIC AND SR REFRACTOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11268 lumens
Efficiency: N/A
Efficacy: 142.6 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.29')
IES Classification: Type III - Short
BUG Rating: B3 - U3 - G3

Input Watts (W): 79
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

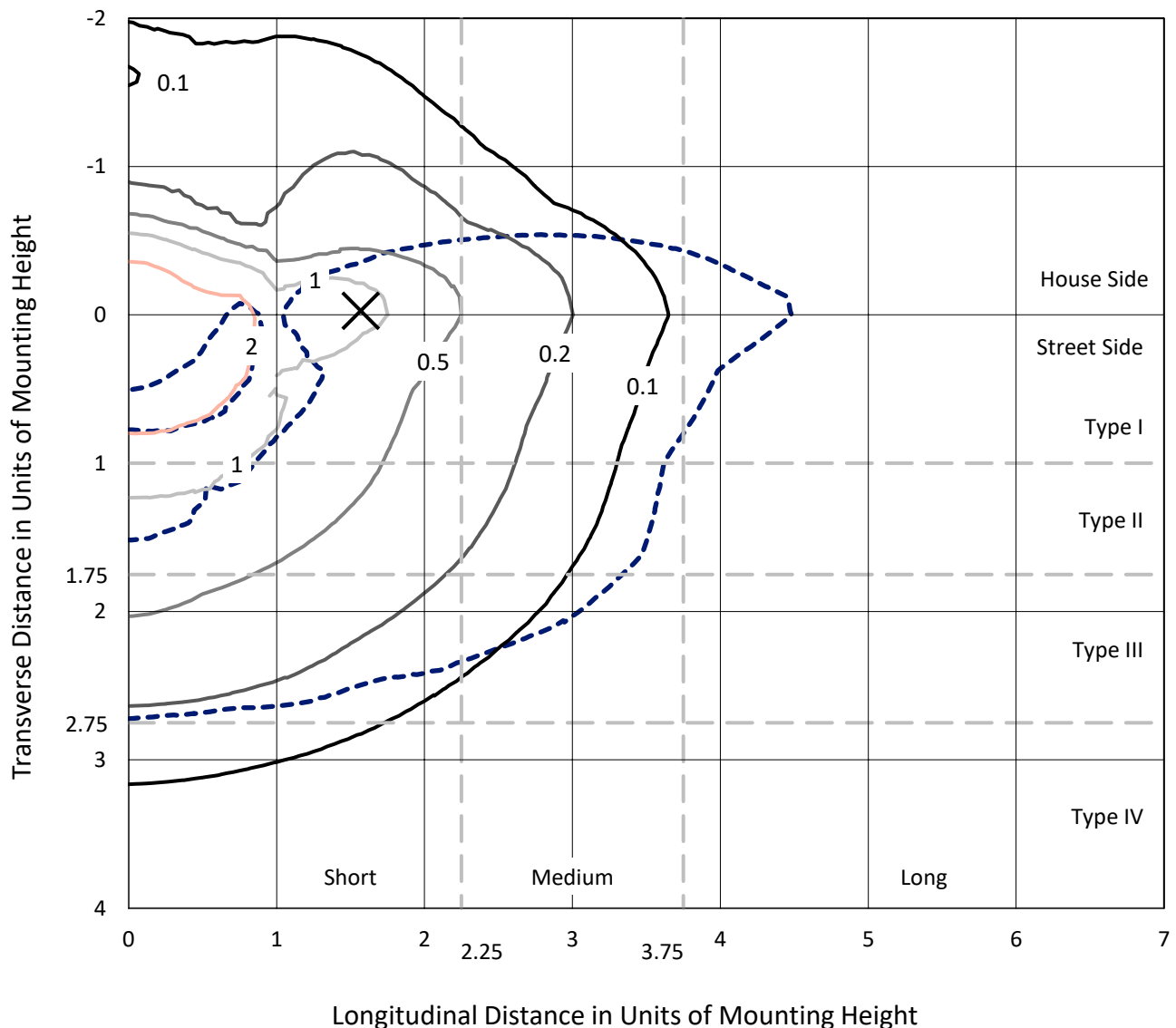


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Iso-Footcandle Lines of Horizontal Illumination

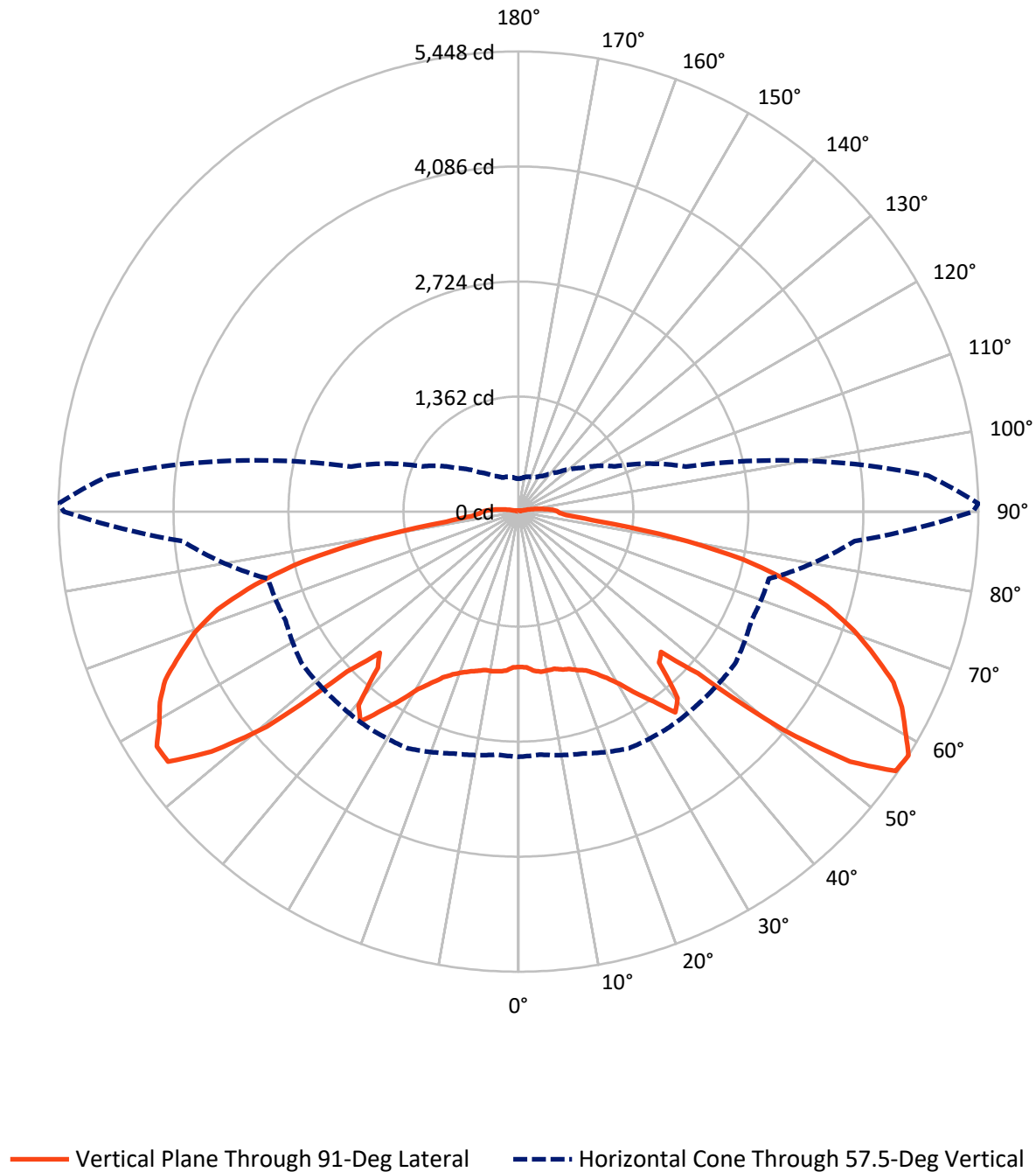
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.2 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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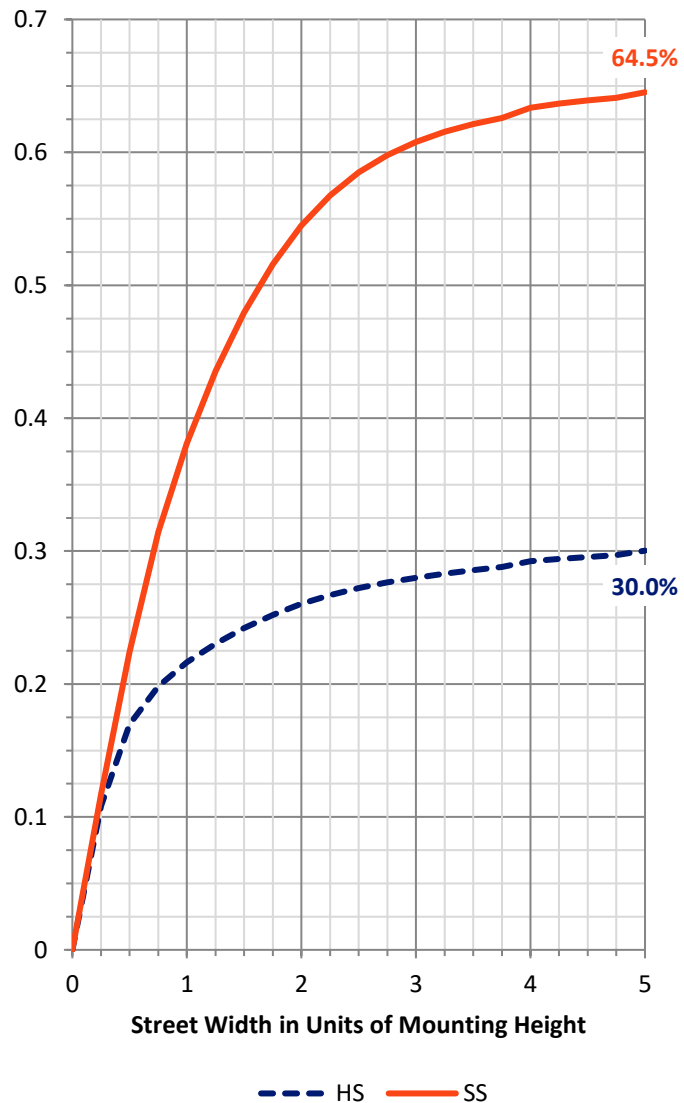
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3576.7	173.9	3750.6
	% Fixture	31.7	1.5	33.3
Street Side	Lumens	7368.6	148.8	7517.4
	% Fixture	65.4	1.3	66.7
Total	Lumens	10945.3	322.8	11268.0
	% Fixture	97.1	2.9	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	180.0	1.6
10°-20°	547.6	4.9
20°-30°	931.1	8.3
30°-40°	1310.1	11.6
40°-50°	1244.1	11.0
50°-60°	1863.6	16.5
60°-70°	2411.6	21.4
70°-80°	1825.1	16.2
80°-90°	632.2	5.6
90°-100°	237.4	2.1
100°-110°	55.6	0.5
110°-120°	19.2	0.2
120°-130°	9.8	0.1
130°-140°	0.9	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°	10945.3	97.1
0°-180°	11268.0	100.0

Coefficient of Utilization



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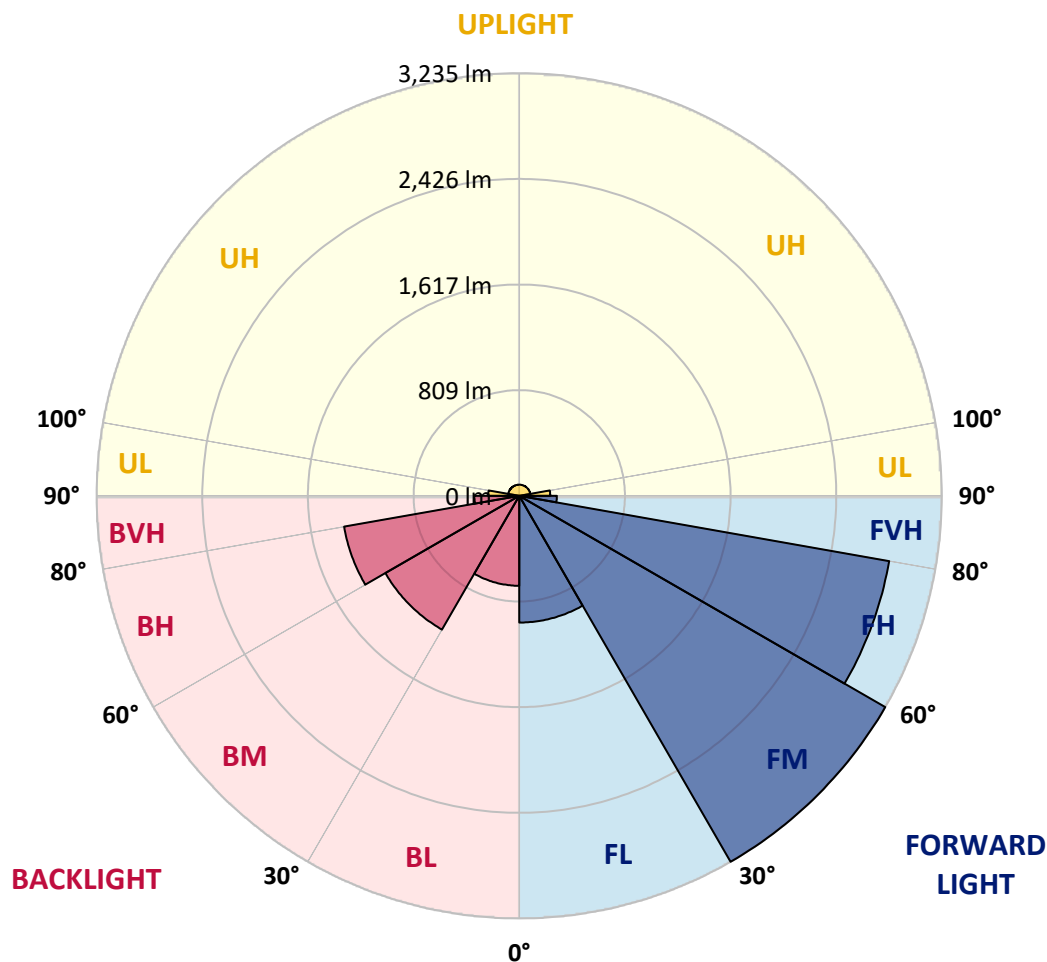
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	970.1	8.6			
FM	(30°-60°)	3234.8	28.7			
FH	(60°-80°)	2875.4	25.5			G2/5000
FVH	(80°-90°)	288.2	2.6			G3/500
BL	(0°-30°)	688.5	6.1	B2/1000		
BM	(30°-60°)	1182.9	10.5	B2/2500		
BH	(60°-80°)	1361.2	12.1	B3/2500		G3/2500
BVH	(80°-90°)	344.0	3.1			G3/500
UL	(90°-100°)	237.4	2.1		U3/500	
UH	(100°-180°)	85.4	0.8		U3/500	

BUG Rating: B3-U3-G3

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1839.7	1839.7	1839.7	1839.7	1839.7	1839.7	1839.7	1839.7	1839.7	1839.7	1839.7
2.5°	1806.1	1806.1	1806.1	1809.9	1821.1	1828.5	1832.3	1828.5	1832.3	1839.7	1847.2
5°	1858.4	1854.6	1850.9	1843.5	1839.7	1839.7	1843.5	1843.5	1850.9	1877.0	1892.0
7.5°	1906.9	1899.4	1895.7	1895.7	1892.0	1873.3	1869.6	1858.4	1854.6	1888.2	1910.6
10°	1996.5	1989.0	1966.6	1940.5	1933.0	1910.6	1877.0	1869.6	1873.3	1910.6	1918.1
12.5°	2078.5	2074.8	2059.9	2033.8	1996.5	1974.1	1925.5	1903.2	1906.9	1929.3	1914.4
15°	2216.6	2201.7	2156.9	2134.5	2097.2	2056.2	1992.7	1966.6	1974.1	1955.4	1947.9
17.5°	2298.7	2287.5	2287.5	2246.5	2220.4	2149.5	2089.7	2041.2	2059.9	2011.4	1970.3
20°	2373.4	2373.4	2377.1	2384.5	2336.0	2280.1	2198.0	2138.3	2142.0	2071.1	2011.4
22.5°	2489.0	2477.8	2489.0	2500.2	2466.6	2418.1	2317.4	2257.7	2231.5	2142.0	2063.6
25°	2608.4	2601.0	2601.0	2630.8	2642.0	2567.4	2474.1	2410.7	2373.4	2242.7	2138.3
27.5°	2727.9	2731.6	2742.8	2754.0	2772.6	2735.3	2642.0	2593.5	2545.0	2362.2	2257.7
30°	2824.9	2817.4	2865.9	2892.1	2910.7	2925.6	2821.2	2768.9	2716.7	2515.2	2392.0
32.5°	2933.1	2933.1	2977.9	3026.4	3052.5	3082.4	2996.5	2963.0	2907.0	2698.0	2615.9
35°	3022.7	3022.7	3089.8	3171.9	3220.4	3242.8	3198.1	3194.3	3183.1	2948.0	2828.6
37.5°	2720.4	2757.7	2862.2	3026.4	3213.0	3362.2	3373.4	3448.1	3485.4	3231.6	3078.6
40°	2373.4	2384.5	2507.7	2653.2	2828.6	3015.2	3194.3	3414.5	3388.4	3082.4	2948.0
42.5°	2138.3	2168.1	2324.8	2436.8	2552.5	2668.2	2668.2	2660.7	2474.1	2530.1	2477.8
45°	2115.9	2123.3	2253.9	2421.9	2466.6	2306.2	2082.3	1959.1	1974.1	2246.5	2369.6
47.5°	2347.2	2358.4	2492.8	2653.2	2492.8	2209.2	1989.0	1970.3	1959.1	2440.5	2858.5
50°	2470.4	2477.8	2604.7	2686.8	2436.8	2433.1	2436.8	2369.6	2309.9	3201.8	4101.1
52.5°	2545.0	2552.5	2545.0	2649.5	2563.7	2761.4	2694.3	2582.3	2537.5	3709.3	4843.7
55°	2347.2	2395.7	2597.3	2873.4	2880.9	2948.0	2921.9	2821.2	2817.4	3899.6	5399.7
57.5°	2903.3	2888.3	2966.7	3093.6	3116.0	3119.7	3134.6	3045.1	3071.2	3996.6	5384.8
60°	3287.6	3246.6	3164.5	3224.2	3250.3	3291.3	3343.6	3242.8	3272.7	4082.5	5149.7
62.5°	3649.6	3586.1	3269.0	3257.8	3298.8	3380.9	3455.5	3377.2	3403.3	4112.3	4985.5
65°	3597.3	3541.4	3302.5	3171.9	3231.6	3343.6	3448.1	3410.8	3403.3	4048.9	4784.0
67.5°	3101.0	3104.8	3078.6	3078.6	3056.2	3216.7	3384.6	3388.4	3351.1	3888.4	4481.8
70°	2664.4	2649.5	2690.5	2847.3	2869.7	3060.0	3283.9	3321.2	3272.7	3709.3	4190.7
72.5°	2268.9	2257.7	2265.1	2395.7	2582.3	2791.3	3045.1	3134.6	3063.7	3388.4	3836.2
75°	1877.0	1865.8	1862.1	1906.9	2056.2	2317.4	2608.4	2768.9	2709.2	2921.9	3317.5
77.5°	1425.5	1403.1	1403.1	1418.0	1530.0	1765.1	2045.0	2268.9	2239.0	2354.7	2675.6
80°	947.8	951.6	944.1	940.4	1015.0	1153.1	1358.3	1627.0	1612.1	1612.1	1776.3
82.5°	600.8	600.8	612.0	574.7	567.2	582.1	630.7	738.9	746.3	817.2	873.2
85°	384.4	388.1	388.1	350.8	339.6	350.8	384.4	417.9	432.9	503.8	567.2
87.5°	279.9	279.9	272.4	264.9	268.7	279.9	306.0	335.9	362.0	417.9	473.9
90°	212.7	212.7	209.0	205.2	212.7	227.6	261.2	294.8	328.4	391.8	444.1
92.5°	175.4	175.4	171.7	171.7	175.4	186.6	216.4	253.8	287.3	339.6	388.1
95°	145.5	149.3	145.5	149.3	153.0	160.5	179.1	209.0	231.4	264.9	298.5
97.5°	115.7	119.4	119.4	119.4	123.1	134.3	145.5	164.2	179.1	194.0	216.4
100°	85.8	89.6	89.6	89.6	93.3	104.5	115.7	123.1	126.9	130.6	141.8
102.5°	63.4	67.2	67.2	67.2	67.2	74.6	78.4	82.1	82.1	82.1	85.8
105°	44.8	44.8	44.8	44.8	44.8	44.8	48.5	48.5	48.5	48.5	48.5
107.5°	33.6	33.6	33.6	33.6	33.6	33.6	37.3	37.3	37.3	37.3	37.3
110°	29.9	29.9	29.9	29.9	29.9	29.9	29.9	33.6	29.9	29.9	33.6



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	26.1	26.1	26.1	26.1	26.1	26.1	29.9	29.9	26.1	26.1	26.1
115°	22.4	22.4	22.4	22.4	22.4	22.4	26.1	26.1	22.4	22.4	22.4
117.5°	18.7	18.7	18.7	18.7	18.7	18.7	22.4	22.4	18.7	22.4	22.4
120°	18.7	22.4	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	22.4
122.5°	14.9	14.9	14.9	14.9	14.9	14.9	14.9	14.9	14.9	18.7	18.7
125°	14.9	14.9	14.9	14.9	14.9	14.9	14.9	14.9	14.9	14.9	14.9
127.5°	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	14.9	14.9
130°	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2
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):

	91°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1839.7	1839.7	1839.7	1839.7	1839.7	1839.7	1839.7	1839.7	1839.7	1839.7	1839.7
2.5°	1847.2	1854.6	1869.6	1884.5	1899.4	1914.4	1921.8	1925.5	1929.3	1921.8	1925.5
5°	1892.0	1899.4	1921.8	1944.2	1940.5	1929.3	1914.4	1914.4	1918.1	1918.1	1925.5
7.5°	1914.4	1925.5	1918.1	1921.8	1929.3	1918.1	1903.2	1884.5	1862.1	1862.1	1865.8
10°	1910.6	1899.4	1910.6	1899.4	1873.3	1869.6	1862.1	1836.0	1821.1	1824.8	1824.8
12.5°	1910.6	1906.9	1884.5	1873.3	1850.9	1809.9	1791.2	1798.7	1780.0	1783.7	1776.3
15°	1940.5	1914.4	1884.5	1847.2	1798.7	1776.3	1750.2	1709.1	1705.4	1705.4	1705.4
17.5°	1959.1	1940.5	1873.3	1798.7	1765.1	1709.1	1679.3	1668.1	1638.2	1649.4	1656.9
20°	2003.9	1959.1	1862.1	1783.7	1668.1	1634.5	1586.0	1574.8	1559.8	1515.1	1500.1
22.5°	2041.2	2000.2	1850.9	1712.8	1615.8	1537.5	1462.8	1410.6	1384.5	1365.8	1350.9
25°	2123.3	2059.9	1862.1	1679.3	1530.0	1429.2	1362.1	1268.8	1205.3	1197.9	1205.3
27.5°	2231.5	2130.8	1888.2	1634.5	1462.8	1306.1	1171.7	1108.3	1041.1	1018.7	1022.5
30°	2369.6	2235.3	1884.5	1593.4	1343.4	1164.3	992.6	884.4	832.2	809.8	806.0
32.5°	2567.4	2380.8	1970.3	1541.2	1235.2	966.5	779.9	645.6	619.5	615.7	612.0
35°	2761.4	2615.9	2011.4	1462.8	1078.5	776.2	589.6	507.5	503.8	500.0	496.3
37.5°	3018.9	2847.3	2127.1	1414.3	929.2	585.9	473.9	414.2	403.0	384.4	391.8
40°	2903.3	2761.4	2160.6	1339.7	720.2	432.9	354.5	306.0	298.5	302.3	298.5
42.5°	2444.3	2339.8	1884.5	1153.1	496.3	317.2	264.9	272.4	287.3	298.5	298.5
45°	2369.6	2164.4	1358.3	817.2	320.9	264.9	257.5	268.7	294.8	320.9	324.7
47.5°	2862.2	2601.0	1190.4	630.7	369.4	302.3	276.1	276.1	291.1	294.8	291.1
50°	4056.3	3660.8	1391.9	723.9	459.0	365.7	317.2	298.5	306.0	313.5	309.7
52.5°	4918.4	4422.0	1586.0	865.8	574.7	436.6	373.2	328.4	320.9	320.9	317.2
55°	5422.1	4858.7	1813.6	1067.3	720.2	526.2	432.9	380.6	362.0	347.0	347.0
57.5°	5448.3	4873.6	2052.4	1265.0	899.3	656.8	515.0	444.1	429.1	395.6	388.1
60°	5265.4	4810.1	2235.3	1462.8	1071.0	839.6	656.8	552.3	533.6	515.0	503.8
62.5°	5097.5	4705.7	2324.8	1627.0	1253.8	1044.9	835.9	690.4	630.7	653.0	668.0
65°	4881.0	4590.0	2265.1	1641.9	1335.9	1168.0	966.5	753.8	653.0	701.6	727.7
67.5°	4548.9	4287.7	2115.9	1507.6	1246.4	1093.4	906.8	709.0	630.7	649.3	649.3
70°	4213.1	3933.2	1970.3	1403.1	1123.2	962.8	787.4	634.4	623.2	612.0	612.0
72.5°	3817.5	3485.4	1780.0	1339.7	1074.7	936.7	765.0	638.1	668.0	682.9	682.9
75°	3317.5	2948.0	1578.5	1283.7	1052.3	955.3	768.7	686.6	738.9	746.3	746.3
77.5°	2716.7	2313.6	1343.4	1182.9	988.9	918.0	716.5	675.4	727.7	738.9	742.6
80°	1869.6	1638.2	1127.0	1029.9	884.4	824.7	660.5	656.8	709.0	735.1	738.9
82.5°	947.8	932.9	821.0	809.8	753.8	720.2	612.0	638.1	694.1	731.4	735.1
85°	585.9	608.3	548.6	541.1	559.8	574.7	556.0	608.3	649.3	690.4	697.8
87.5°	488.9	515.0	459.0	436.6	444.1	470.2	492.6	548.6	585.9	619.5	623.2
90°	459.0	481.4	391.8	373.2	388.1	406.8	421.7	451.5	481.4	500.0	500.0
92.5°	403.0	410.5	324.7	309.7	332.1	343.3	339.6	347.0	347.0	309.7	309.7
95°	309.7	309.7	246.3	246.3	264.9	268.7	242.6	220.2	205.2	123.1	104.5
97.5°	223.9	220.2	179.1	179.1	194.0	190.3	160.5	134.3	112.0	70.9	74.6
100°	149.3	145.5	119.4	126.9	134.3	119.4	100.8	82.1	67.2	44.8	52.2
102.5°	89.6	85.8	78.4	82.1	78.4	74.6	59.7	48.5	41.0	26.1	29.9
105°	52.2	48.5	48.5	48.5	48.5	44.8	41.0	29.9	22.4	14.9	14.9
107.5°	37.3	37.3	37.3	33.6	33.6	29.9	26.1	22.4	14.9	11.2	7.5
110°	33.6	29.9	29.9	29.9	26.1	26.1	22.4	18.7	11.2	7.5	7.5



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CANDELA DISTRIBUTION (continued):

	91°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	26.1	26.1	26.1	22.4	22.4	18.7	14.9	14.9	11.2	3.7	3.7
115°	22.4	22.4	18.7	18.7	14.9	14.9	11.2	11.2	7.5	3.7	3.7
117.5°	22.4	22.4	14.9	14.9	11.2	11.2	11.2	7.5	3.7	3.7	3.7
120°	22.4	18.7	14.9	11.2	11.2	11.2	7.5	7.5	3.7	0.0	3.7
122.5°	18.7	18.7	11.2	11.2	7.5	7.5	7.5	3.7	3.7	0.0	0.0
125°	14.9	14.9	11.2	7.5	7.5	7.5	7.5	3.7	3.7	0.0	0.0
127.5°	14.9	14.9	11.2	7.5	7.5	7.5	7.5	3.7	3.7	0.0	0.0
130°	11.2	11.2	7.5	7.5	7.5	7.5	3.7	3.7	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

(END OF REPORT)