

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: P691979

Luminaire Tested: **CRTK2-C01HO-D-U-T3-7040**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691979
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-9)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C01HO-D-U-T3-7040
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 4000K LED WITH TYPE III OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11598 lumens
Efficiency: N/A
Efficacy: 146.8 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.08')
IES Classification: Type III - Medium
BUG Rating: B2 - U3 - G2

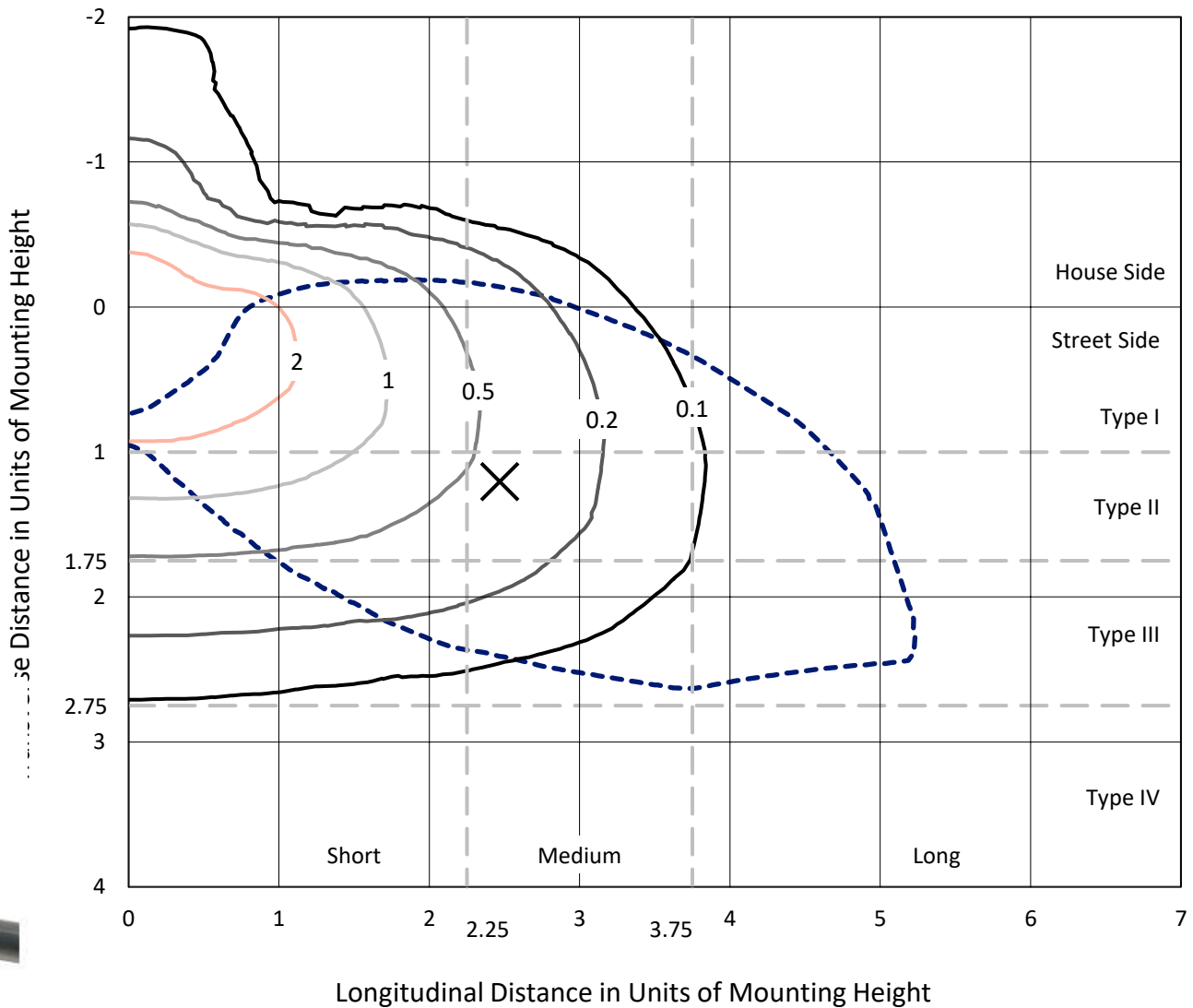
Input Watts (W): 79
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

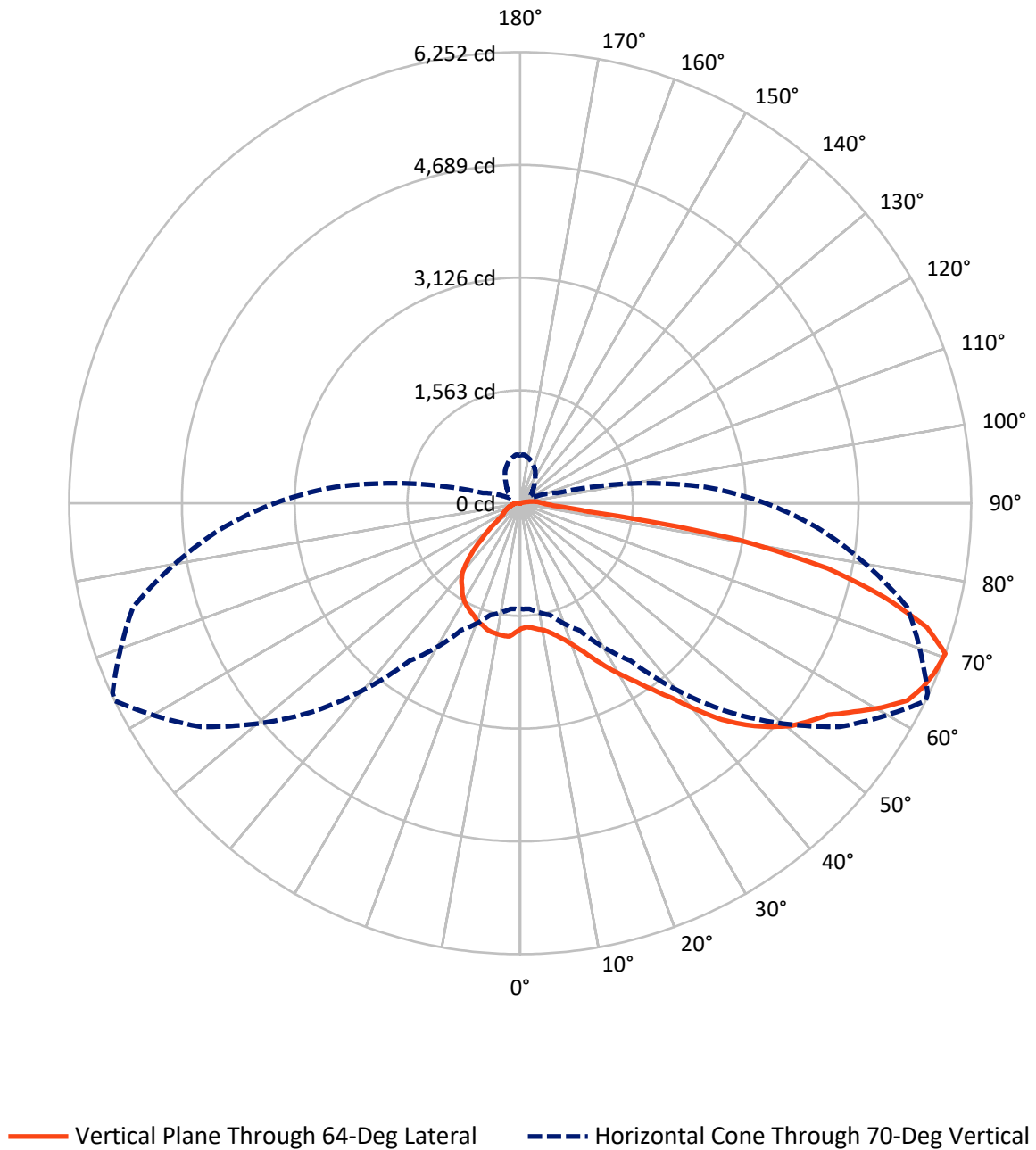
✕ Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



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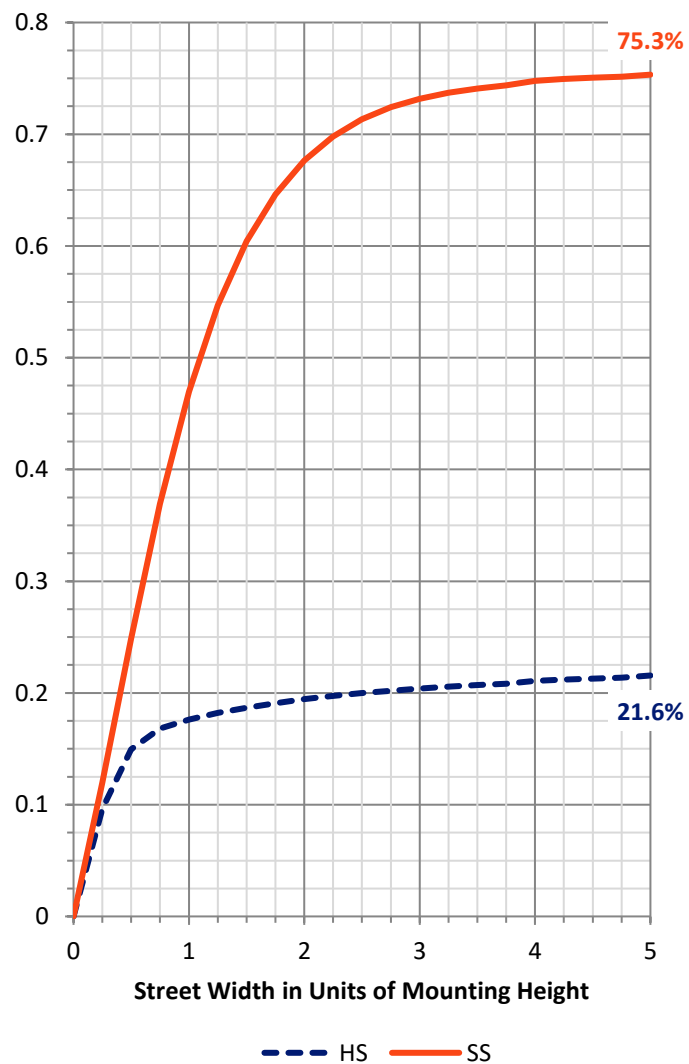
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2644.0	71.6	2715.6
	% Fixture	22.8	0.6	23.4
Street Side	Lumens	8789.9	92.5	8882.3
	% Fixture	75.8	0.8	76.6
Total	Lumens	11433.8	164.1	11598.0
	% Fixture	98.6	1.4	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	173.4	1.5
10°-20°	540.0	4.7
20°-30°	936.8	8.1
30°-40°	1359.4	11.7
40°-50°	1824.3	15.7
50°-60°	2205.8	19.0
60°-70°	2374.4	20.5
70°-80°	1630.8	14.1
80°-90°	389.1	3.4
90°-100°	140.8	1.2
100°-110°	17.7	0.2
110°-120°	1.3	0.0
120°-130°	1.2	0.0
130°-140°	1.1	0.0
140°-150°	0.9	0.0
150°-160°	0.7	0.0
160°-170°	0.4	0.0
170°-180°	0.1	0.0
0°-90°	11433.8	98.6
0°-180°	11598.0	100.0

Coefficient of Utilization



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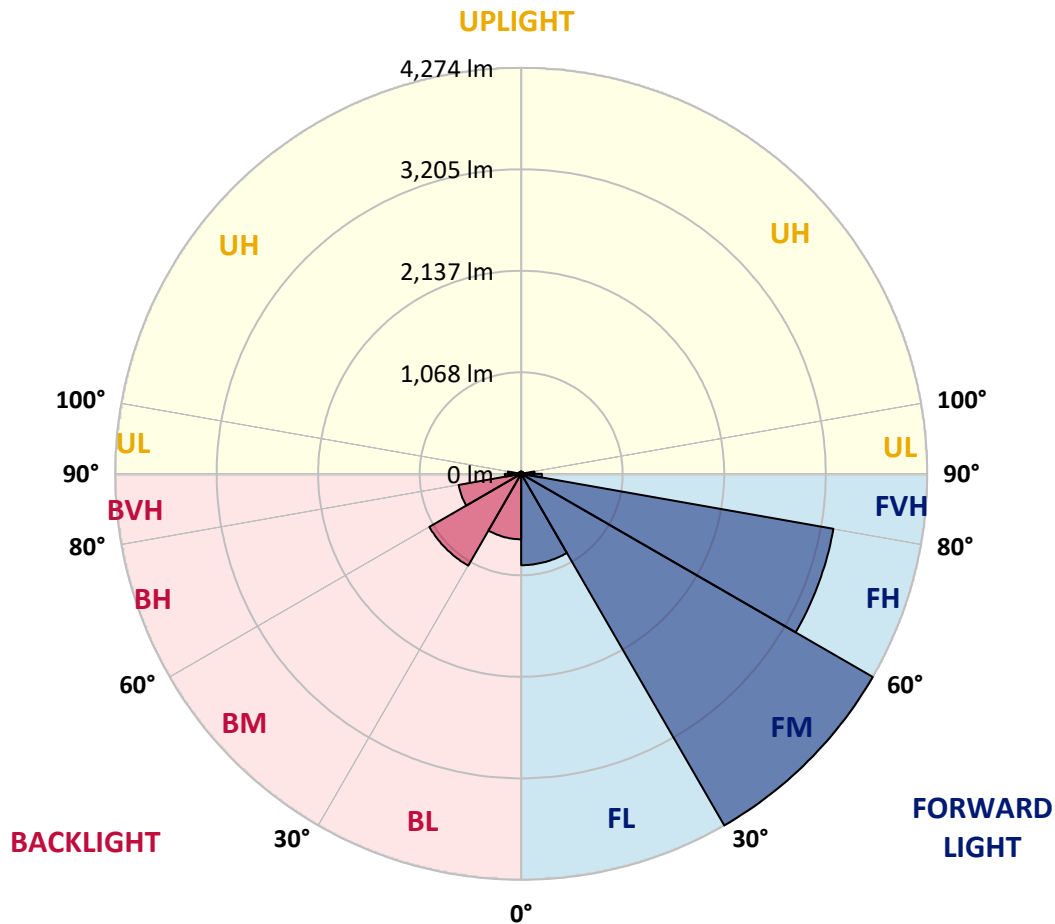
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	961.6	8.3			
FM	(30°-60°)	4273.6	36.8			
FH	(60°-80°)	3337.0	28.8			G2/5000
FVH	(80°-90°)	217.7	1.9			G2/225
BL	(0°-30°)	688.6	5.9	B2/1000		
BM	(30°-60°)	1115.9	9.6	B2/2500		
BH	(60°-80°)	668.1	5.8	B2/1000		G2/1000
BVH	(80°-90°)	171.4	1.5			G2/225
UL	(90°-100°)	140.8	1.2		U3/500	
UH	(100°-180°)	23.3	0.2		U2/50	

BUG Rating: B2-U3-G2

Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	1740.6	1740.6	1740.6	1740.6	1740.6	1740.6	1740.6	1740.6	1740.6	1740.6	1740.6
2.5°	1725.4	1725.4	1721.6	1721.6	1725.4	1729.2	1725.4	1721.6	1725.4	1729.2	1740.6
5°	1793.8	1790.0	1786.2	1771.0	1755.8	1744.4	1736.8	1733.0	1736.8	1752.0	1778.6
7.5°	1839.4	1835.6	1835.6	1831.8	1816.6	1786.2	1767.2	1763.4	1763.4	1767.2	1801.4
10°	1934.4	1926.8	1911.6	1885.0	1869.8	1831.8	1797.6	1790.0	1790.0	1797.6	1839.4
12.5°	2037.0	2021.8	2025.6	1995.2	1949.6	1907.8	1858.4	1839.4	1831.8	1839.4	1862.2
15°	2177.7	2166.2	2135.8	2101.6	2056.0	1999.0	1938.2	1907.8	1904.0	1915.4	1896.4
17.5°	2280.3	2265.1	2268.9	2219.5	2181.5	2105.4	2048.4	1991.4	1991.4	2006.6	1957.2
20°	2386.7	2379.1	2390.5	2379.1	2322.1	2253.7	2170.1	2101.6	2090.2	2097.8	2025.6
22.5°	2523.5	2512.1	2512.1	2515.9	2470.3	2401.9	2303.1	2234.7	2230.9	2200.5	2101.6
25°	2664.1	2652.7	2648.9	2656.5	2648.9	2569.1	2466.5	2398.1	2386.7	2344.9	2204.3
27.5°	2797.1	2797.1	2800.9	2808.5	2819.9	2755.3	2656.5	2580.5	2580.5	2534.9	2341.1
30°	2895.9	2895.9	2930.1	2945.3	2956.7	2941.5	2835.1	2762.9	2770.5	2709.7	2496.9
32.5°	2987.1	2990.9	3028.9	3067.0	3078.4	3089.8	2998.5	2952.9	2952.9	2895.9	2664.1
35°	3078.4	3078.4	3131.6	3207.6	3245.6	3234.2	3192.4	3177.2	3181.0	3169.6	2911.1
37.5°	3150.6	3158.2	3238.0	3333.0	3386.2	3405.2	3382.4	3431.8	3477.4	3511.6	3234.2
40°	3222.8	3222.8	3298.8	3401.4	3496.4	3549.6	3580.0	3766.2	3800.4	3811.8	3416.6
42.5°	3146.8	3165.8	3325.4	3477.4	3599.0	3690.2	3827.0	4104.5	4146.3	4017.1	3663.6
45°	3074.6	3097.4	3257.0	3511.6	3686.4	3868.8	4104.5	4385.7	4419.9	4226.1	3811.8
47.5°	3002.3	3028.9	3203.8	3481.2	3766.2	4066.5	4321.1	4632.7	4647.9	4397.1	3979.1
50°	2926.3	2952.9	3139.2	3447.0	3815.6	4267.9	4537.7	4857.0	4857.0	4549.1	4077.9
52.5°	2831.3	2861.7	3051.8	3393.8	3853.6	4404.7	4735.3	5020.4	4990.0	4731.5	4188.1
55°	2709.7	2751.5	2952.9	3317.8	3868.8	4476.9	4860.8	5180.0	5172.4	4955.8	4328.7
57.5°	2580.5	2614.7	2831.3	3219.0	3853.6	4526.3	4993.8	5457.4	5468.8	5149.6	4438.9
60°	2436.1	2458.9	2667.9	3082.2	3754.8	4613.7	5294.0	5753.9	5769.1	5328.2	4480.7
62.5°	2246.1	2261.3	2458.9	2895.9	3621.8	4670.7	5510.6	6023.7	6016.1	5487.8	4488.3
65°	2006.6	2025.6	2211.9	2648.9	3424.2	4632.7	5563.8	6141.5	6149.1	5563.8	4476.9
67.5°	1774.8	1786.2	1942.0	2322.1	3105.0	4450.3	5510.6	6209.9	6244.1	5628.4	4366.7
70°	1467.0	1470.8	1607.6	1945.8	2664.1	4100.7	5404.2	6251.7	6232.7	5552.4	4176.7
72.5°	1128.7	1132.5	1235.1	1489.8	2071.2	3492.6	5028.0	5898.3	5864.1	5134.4	3766.2
75°	801.9	817.1	877.9	1045.1	1387.2	2550.1	4302.1	5221.8	5244.6	4568.1	3139.2
77.5°	456.1	471.3	520.7	653.7	798.1	1429.0	3249.4	4355.3	4370.5	3842.2	2409.5
80°	197.6	201.4	220.4	311.6	425.6	684.1	1664.6	3051.8	3272.2	2610.9	1375.8
82.5°	167.2	167.2	174.8	182.4	186.2	311.6	646.1	946.3	976.7	771.5	448.5
85°	144.4	144.4	152.0	159.6	163.4	212.8	391.4	475.1	494.1	440.9	315.4
87.5°	114.0	114.0	125.4	133.0	133.0	174.8	292.6	353.4	364.8	353.4	281.2
90°	102.6	102.6	98.8	98.8	102.6	125.4	228.0	296.4	307.8	376.2	323.0
92.5°	87.4	91.2	91.2	91.2	79.8	91.2	163.4	262.2	285.0	372.4	292.6
95°	87.4	83.6	83.6	79.8	76.0	79.8	121.6	228.0	254.6	323.0	247.0
97.5°	60.8	57.0	60.8	64.6	68.4	72.2	102.6	167.2	186.2	250.8	182.4
100°	38.0	38.0	38.0	38.0	45.6	49.4	83.6	102.6	114.0	159.6	121.6
102.5°	22.8	19.0	19.0	19.0	22.8	30.4	41.8	57.0	60.8	91.2	72.2
105°	7.6	7.6	7.6	7.6	11.4	15.2	15.2	22.8	22.8	30.4	30.4
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8	3.8
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8	3.8

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8	3.8
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8	3.8
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8	3.8
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8	3.8
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8	3.8
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8	3.8
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8	3.8
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8	3.8
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8	3.8
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8	3.8
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8	3.8
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8	0.0	3.8	3.8
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8	3.8	3.8	3.8
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8	3.8
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8	3.8	3.8
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8	3.8	3.8	3.8
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8	3.8	3.8	3.8
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8	3.8	3.8
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8	3.8	3.8	3.8
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8	3.8	3.8	3.8
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8	3.8	3.8	3.8
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8	3.8	3.8
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8	3.8
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8	3.8	3.8	3.8
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8	0.0	3.8	3.8
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8	3.8
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8	3.8	3.8	3.8
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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1740.6	1740.6	1740.6	1740.6	1740.6	1740.6	1740.6	1740.6	1740.6	1740.6	1740.6
2.5°	1748.2	1755.8	1771.0	1790.0	1812.8	1831.8	1847.0	1850.8	1858.4	1858.4	1866.0
5°	1786.2	1801.4	1824.2	1850.8	1862.2	1854.6	1854.6	1858.4	1866.0	1885.0	1892.6
7.5°	1828.0	1839.4	1839.4	1850.8	1873.6	1866.0	1862.2	1858.4	1858.4	1850.8	1862.2
10°	1843.2	1828.0	1847.0	1843.2	1835.6	1850.8	1854.6	1831.8	1835.6	1835.6	1839.4
12.5°	1847.0	1847.0	1831.8	1831.8	1831.8	1797.6	1790.0	1809.0	1790.0	1797.6	1793.8
15°	1888.8	1858.4	1839.4	1816.6	1786.2	1774.8	1748.2	1717.8	1717.8	1725.4	1725.4
17.5°	1919.2	1888.8	1831.8	1771.0	1759.6	1706.4	1687.4	1679.8	1676.0	1679.8	1687.4
20°	1964.8	1919.2	1824.2	1763.4	1664.6	1645.6	1611.4	1607.6	1600.0	1573.4	1565.8
22.5°	2025.6	1953.4	1820.4	1698.8	1619.0	1554.4	1493.6	1455.6	1451.8	1432.8	1421.4
25°	2094.0	2021.8	1835.6	1668.4	1535.4	1440.4	1391.0	1303.6	1261.7	1276.9	1269.3
27.5°	2234.7	2101.6	1862.2	1626.6	1467.0	1318.8	1204.7	1151.5	1098.3	1098.3	1105.9
30°	2363.9	2204.3	1862.2	1588.6	1353.0	1174.3	1026.1	942.5	919.7	904.5	896.9
32.5°	2557.7	2333.5	1942.0	1535.4	1246.5	988.1	820.9	722.1	725.9	741.1	737.3
35°	2781.9	2538.7	1964.8	1459.4	1090.7	801.9	634.7	581.5	611.9	619.5	619.5
37.5°	3051.8	2789.5	2067.4	1398.6	927.3	592.9	501.7	478.9	505.5	501.7	516.9
40°	3200.0	2911.1	2154.8	1322.6	710.7	437.1	387.6	372.4	414.2	448.5	456.1
42.5°	3409.0	3055.6	2238.5	1178.1	482.7	319.2	296.4	345.8	406.6	444.7	448.5
45°	3523.0	3139.2	2204.3	999.5	307.8	258.4	288.8	349.6	414.2	452.3	456.1
47.5°	3659.8	3249.4	2143.4	779.1	247.0	254.6	292.6	357.2	425.6	459.9	459.9
50°	3796.6	3359.6	1995.2	611.9	231.8	250.8	300.2	361.0	421.8	444.7	444.7
52.5°	3876.4	3454.6	1820.4	444.7	228.0	250.8	304.0	364.8	418.0	429.4	429.4
55°	3948.7	3462.2	1668.4	330.6	224.2	254.6	307.8	372.4	421.8	433.2	429.4
57.5°	3990.5	3412.8	1562.0	285.0	220.4	254.6	311.6	380.0	452.3	478.9	471.3
60°	3967.7	3336.8	1482.2	266.0	216.6	254.6	315.4	402.8	573.9	619.5	604.3
62.5°	3929.7	3283.6	1315.0	243.2	209.0	254.6	319.2	456.1	638.5	661.3	642.3
65°	3880.2	3127.8	1124.9	220.4	201.4	250.8	323.0	494.1	608.1	608.1	604.3
67.5°	3675.0	2918.7	839.9	197.6	190.0	250.8	330.6	486.5	585.3	634.7	634.7
70°	3401.4	2569.1	554.9	174.8	178.6	243.2	345.8	494.1	604.3	672.7	665.1
72.5°	2880.7	2132.0	307.8	152.0	163.4	239.4	345.8	524.5	653.7	729.7	718.3
75°	2352.5	1577.2	220.4	136.8	148.2	231.8	349.6	543.5	699.3	779.1	760.1
77.5°	1657.0	904.5	174.8	117.8	133.0	220.4	345.8	535.9	722.1	794.3	771.5
80°	699.3	326.8	144.4	106.4	114.0	197.6	319.2	513.1	722.1	839.9	828.5
82.5°	315.4	231.8	125.4	95.0	106.4	163.4	296.4	494.1	699.3	843.7	912.1
85°	247.0	190.0	106.4	83.6	95.0	155.8	266.0	471.3	668.9	779.1	855.1
87.5°	235.6	190.0	95.0	76.0	87.4	133.0	205.2	437.1	600.5	718.3	779.1
90°	254.6	197.6	76.0	64.6	79.8	117.8	167.2	368.6	520.7	630.9	630.9
92.5°	235.6	182.4	57.0	49.4	83.6	95.0	159.6	228.0	376.2	315.4	391.4
95°	197.6	152.0	38.0	34.2	79.8	79.8	87.4	106.4	262.2	7.6	0.0
97.5°	144.4	110.2	22.8	19.0	60.8	64.6	41.8	49.4	106.4	0.0	0.0
100°	106.4	72.2	15.2	15.2	38.0	53.2	26.6	26.6	0.0	0.0	0.0
102.5°	57.0	38.0	11.4	7.6	19.0	30.4	11.4	7.6	0.0	0.0	0.0
105°	30.4	15.2	3.8	3.8	3.8	3.8	0.0	0.0	0.0	0.0	0.0
107.5°	7.6	3.8	3.8	3.8	3.8	0.0	0.0	0.0	0.0	0.0	0.0
110°	3.8	3.8	3.8	3.8	3.8	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	3.8	3.8	3.8	3.8	3.8	0.0	0.0	0.0	0.0	0.0	0.0
115°	3.8	3.8	3.8	3.8	3.8	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	3.8	3.8	3.8	3.8	3.8	0.0	0.0	0.0	0.0	0.0	0.0
120°	3.8	3.8	3.8	3.8	3.8	3.8	0.0	0.0	0.0	0.0	0.0
122.5°	3.8	3.8	3.8	3.8	3.8	0.0	0.0	0.0	0.0	0.0	0.0
125°	3.8	3.8	3.8	3.8	3.8	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	3.8	3.8	3.8	3.8	3.8	3.8	0.0	0.0	0.0	0.0	0.0
130°	3.8	3.8	3.8	3.8	3.8	3.8	0.0	0.0	0.0	0.0	0.0
132.5°	3.8	3.8	3.8	3.8	3.8	3.8	0.0	0.0	0.0	0.0	0.0
135°	3.8	3.8	3.8	3.8	3.8	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	3.8	3.8	3.8	3.8	3.8	0.0	0.0	0.0	0.0	0.0	0.0
140°	3.8	3.8	3.8	3.8	3.8	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	3.8	3.8	3.8	3.8	3.8	0.0	0.0	0.0	0.0	0.0	0.0
145°	3.8	3.8	3.8	3.8	3.8	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	3.8	3.8	3.8	3.8	3.8	0.0	0.0	0.0	0.0	0.0	0.0
150°	3.8	3.8	3.8	3.8	3.8	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	3.8	3.8	3.8	3.8	3.8	0.0	0.0	0.0	0.0	0.0	0.0
155°	3.8	3.8	3.8	3.8	3.8	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	3.8	3.8	3.8	3.8	3.8	0.0	0.0	0.0	0.0	0.0	0.0
160°	3.8	3.8	3.8	3.8	3.8	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	3.8	3.8	3.8	3.8	3.8	0.0	0.0	0.0	0.0	0.0	0.0
165°	3.8	3.8	3.8	3.8	3.8	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	3.8	3.8	3.8	3.8	3.8	0.0	0.0	0.0	0.0	0.0	0.0
170°	3.8	3.8	3.8	3.8	3.8	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	3.8	3.8	3.8	3.8	3.8	0.0	0.0	0.0	0.0	0.0	0.0
175°	3.8	3.8	3.8	3.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	3.8	3.8	3.8	3.8	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)