

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: P691940

Luminaire Tested: **CRTK2-C01HO-D-U-T2-7040-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691940
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-2)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C01HO-D-U-T2-7040-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 4000K LED WITH TYPE II OPTIC AND HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10287 lumens
Efficiency: N/A
Efficacy: 130.2 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.08')
IES Classification: Type II - Short
BUG Rating: B2 - 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

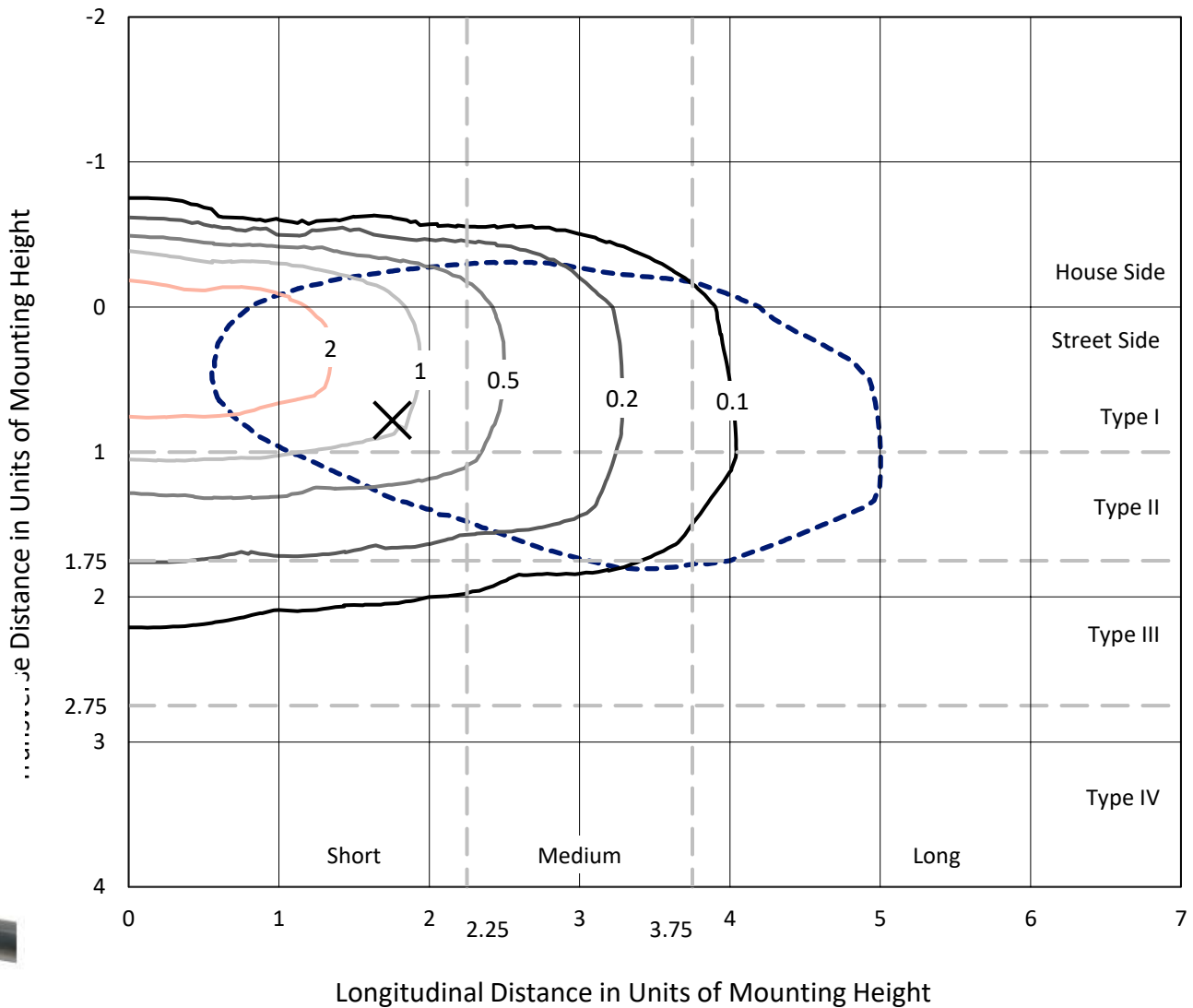


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
- - - 1/2 Max cd

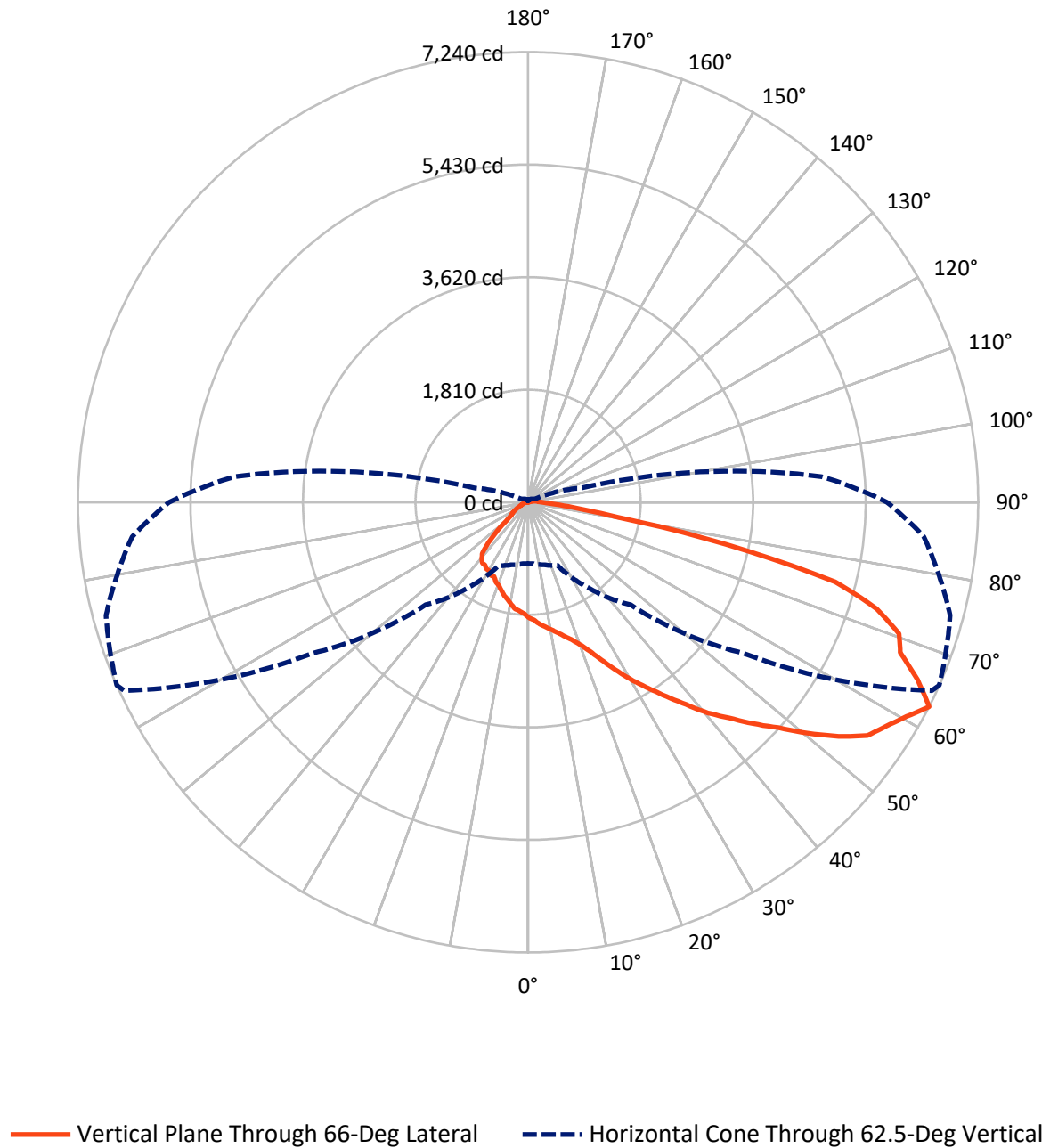


Based on 25 foot mounting height. Maximum calculated value = 3.5 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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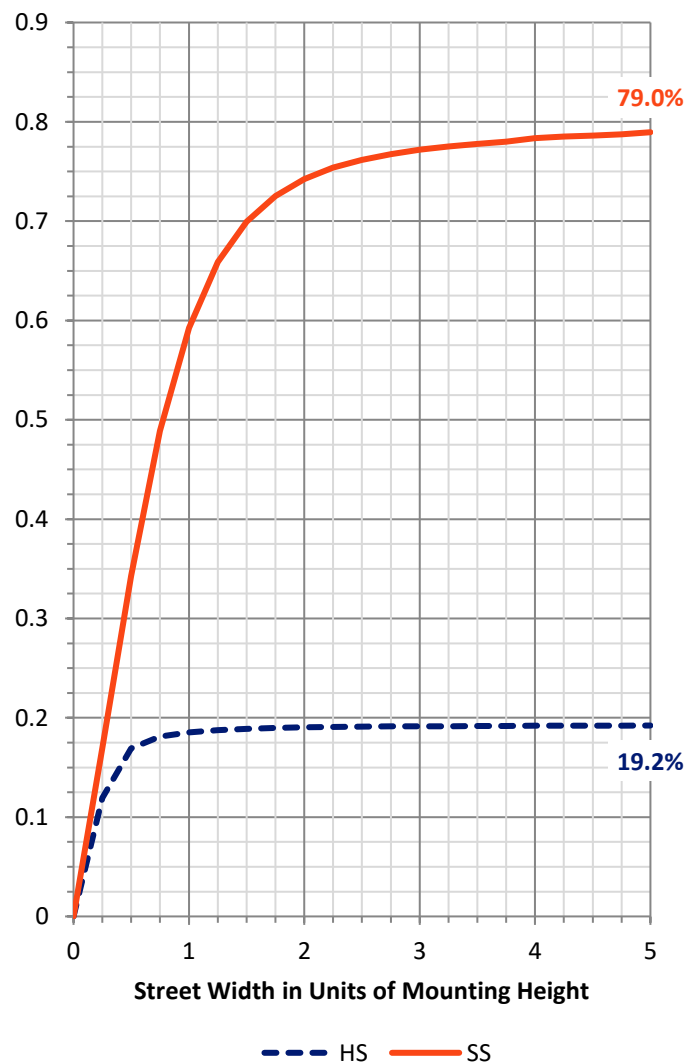
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2005.6	28.3	2033.9
	% Fixture	19.5	0.3	19.8
Street Side	Lumens	8174.6	78.4	8253.1
	% Fixture	79.5	0.8	80.2
Total	Lumens	10180.3	106.7	10287.0
	% Fixture	99.0	1.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	176.5	1.7
10°-20°	517.6	5.0
20°-30°	870.9	8.5
30°-40°	1295.2	12.6
40°-50°	1713.6	16.7
50°-60°	1995.3	19.4
60°-70°	1991.9	19.4
70°-80°	1336.7	13.0
80°-90°	282.4	2.7
90°-100°	86.0	0.8
100°-110°	15.0	0.1
110°-120°	1.1	0.0
120°-130°	1.3	0.0
130°-140°	1.2	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°	10180.3	99.0
0°-180°	10287.0	100.0

Coefficient of Utilization



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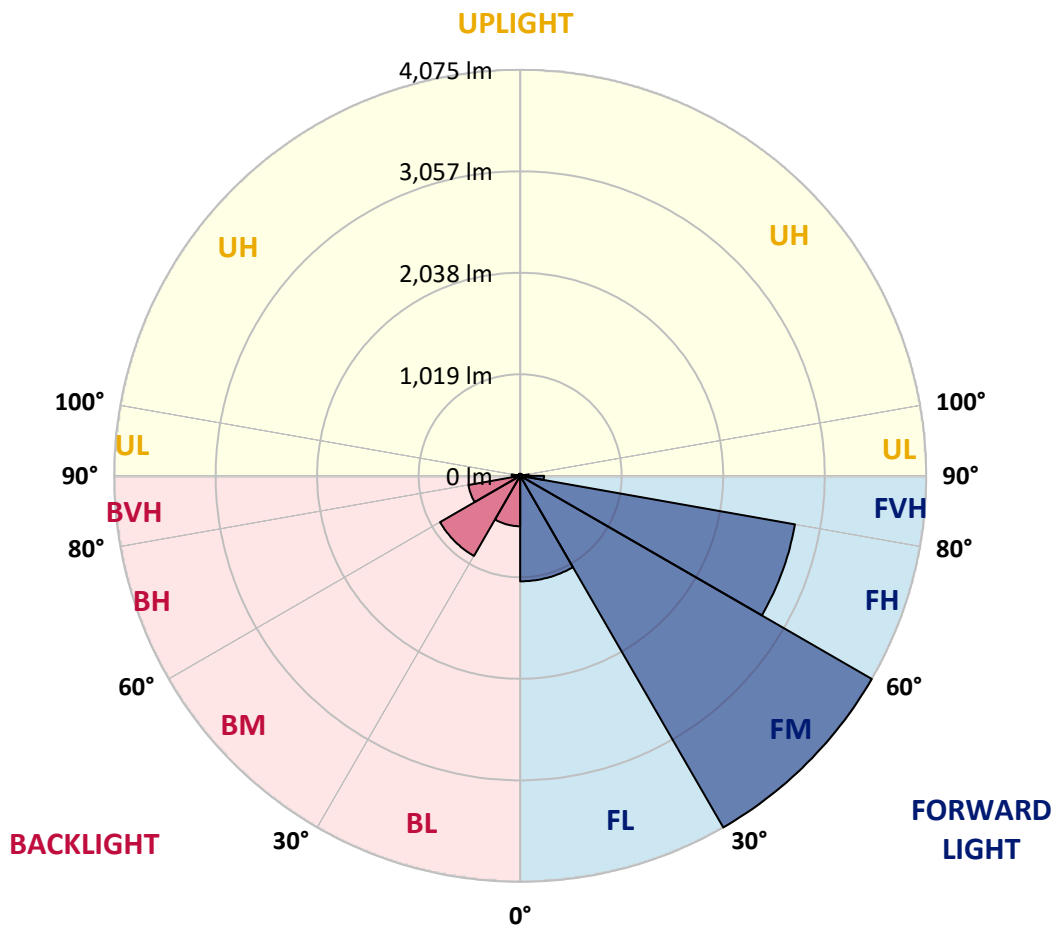
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1059.1	10.3			
FM	(30°-60°)	4075.4	39.6			
FH	(60°-80°)	2801.2	27.2			G2/5000
FVH	(80°-90°)	239.0	2.3			G3/500
BL	(0°-30°)	506.0	4.9	B2/1000		
BM	(30°-60°)	928.7	9.0	B1/1000		
BH	(60°-80°)	527.4	5.1	B2/1000		G2/1000
BVH	(80°-90°)	43.4	0.4			G1/100
UL	(90°-100°)	86.0	0.8		U3/500	
UH	(100°-180°)	20.7	0.2		U2/50	

BUG Rating: B2-U3-G3

Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	1858.5	1858.5	1858.5	1858.5	1858.5	1858.5	1858.5	1858.5	1858.5	1858.5	1858.5
2.5°	1984.0	1972.6	1976.4	1957.4	1938.4	1927.0	1915.6	1896.6	1896.6	1881.4	1862.3
5°	2124.6	2128.4	2124.6	2101.8	2079.0	2044.8	2003.0	1968.8	1968.8	1934.6	1889.0
7.5°	2219.6	2215.8	2215.8	2189.2	2174.0	2155.0	2105.6	2029.6	2025.8	1980.2	1923.2
10°	2257.6	2261.4	2276.6	2238.6	2223.4	2196.8	2170.2	2094.2	2086.6	2010.6	1919.4
12.5°	2341.2	2345.0	2337.4	2307.0	2288.0	2269.0	2227.2	2162.6	2155.0	2071.4	1946.0
15°	2440.1	2440.1	2428.7	2398.2	2386.8	2360.2	2310.8	2250.0	2242.4	2147.4	1995.4
17.5°	2493.3	2500.9	2500.9	2459.1	2462.9	2451.5	2424.9	2345.0	2333.6	2246.2	2063.8
20°	2519.9	2523.7	2531.3	2531.3	2527.5	2523.7	2538.9	2466.7	2459.1	2356.4	2143.6
22.5°	2595.9	2603.5	2622.5	2611.1	2622.5	2637.7	2641.5	2637.7	2626.3	2516.1	2276.6
25°	2630.1	2652.9	2679.5	2713.7	2747.9	2770.7	2823.9	2850.5	2842.9	2736.5	2485.7
27.5°	2592.1	2614.9	2709.9	2774.5	2880.9	2945.5	3044.4	3086.2	3082.4	2995.0	2702.3
30°	2656.7	2664.3	2706.1	2797.3	2934.1	3112.8	3249.6	3314.2	3329.4	3249.6	2930.3
32.5°	2561.7	2588.3	2706.1	2877.1	3082.4	3272.4	3405.4	3549.9	3568.9	3534.7	3230.6
35°	2554.1	2573.1	2637.7	2823.9	3086.2	3439.6	3622.1	3819.7	3834.9	3846.3	3534.7
37.5°	2447.7	2474.3	2603.5	2839.1	3200.2	3549.9	3804.5	4089.6	4127.6	4173.2	3789.3
40°	2329.8	2348.8	2459.1	2709.9	3173.6	3679.1	3979.3	4416.4	4454.4	4511.4	4127.6
42.5°	2155.0	2196.8	2383.0	2652.9	3158.4	3717.1	4154.2	4705.3	4739.5	4819.3	4412.6
45°	1999.2	2018.2	2162.6	2459.1	3036.8	3785.5	4302.4	5043.5	5077.7	5115.8	4636.9
47.5°	1877.5	1900.4	2037.2	2303.2	2915.1	3770.3	4439.2	5378.0	5416.0	5503.4	4914.3
50°	1489.9	1546.9	1892.8	2151.2	2713.7	3739.9	4557.0	5750.5	5837.9	5872.1	5203.2
52.5°	1280.8	1299.8	1478.5	2014.4	2516.1	3629.7	4659.7	6157.1	6256.0	6191.4	5590.8
55°	1193.4	1204.8	1292.2	1744.5	2337.4	3405.4	4743.3	6548.6	6620.8	6415.6	5875.9
57.5°	1128.8	1147.8	1185.8	1413.9	2128.4	3029.2	4747.1	6765.3	6791.9	6601.8	6012.7
60°	1045.2	1052.8	1132.6	1231.4	1892.8	2637.7	4617.9	6875.5	6993.3	6818.5	6290.2
62.5°	984.4	992.0	1041.4	1121.2	1668.5	2329.8	4237.8	7168.1	7240.3	7027.5	6392.8
65°	908.4	919.8	961.6	1041.4	1512.7	2143.6	4047.8	7092.1	6883.1	6978.1	6510.6
67.5°	828.6	836.2	881.8	942.6	1288.4	1965.0	3576.5	6609.4	6457.4	6731.1	6195.2
70°	744.9	752.5	794.3	836.2	1060.4	1744.5	2979.8	6199.0	6328.2	6343.4	5898.7
72.5°	657.5	665.1	703.1	737.3	878.0	1467.1	2367.8	5788.5	5868.3	5636.4	5210.8
75°	570.1	573.9	604.3	638.5	729.7	1182.0	1695.1	4800.3	5104.4	5385.6	4496.2
77.5°	459.9	467.5	497.9	509.3	585.3	954.0	1098.4	2854.3	3253.4	4712.9	4036.4
80°	338.3	342.1	372.5	368.7	437.1	695.5	691.7	1356.9	1459.5	2911.3	2964.6
82.5°	224.2	231.8	258.4	250.8	296.5	421.9	433.3	729.7	779.1	1128.8	1299.8
85°	178.6	182.4	197.6	182.4	197.6	212.8	239.4	440.9	448.5	668.9	665.1
87.5°	144.4	148.2	163.4	152.0	155.8	163.4	190.0	281.3	288.9	421.9	437.1
90°	114.0	117.8	136.8	125.4	125.4	136.8	159.6	209.0	220.4	330.7	357.3
92.5°	76.0	76.0	87.4	83.6	83.6	98.8	140.6	155.8	167.2	307.9	323.1
95°	57.0	57.0	60.8	60.8	60.8	72.2	106.4	148.2	163.4	300.3	292.7
97.5°	38.0	38.0	41.8	41.8	41.8	45.6	60.8	121.6	136.8	243.2	239.4
100°	26.6	26.6	26.6	22.8	22.8	22.8	34.2	79.8	91.2	155.8	155.8
102.5°	19.0	15.2	15.2	15.2	11.4	11.4	15.2	38.0	41.8	83.6	79.8
105°	3.8	3.8	7.6	7.6	7.6	3.8	3.8	15.2	15.2	34.2	34.2
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8
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°	66°	75°	85°
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	3.8
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8
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	3.8
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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1858.5	1858.5	1858.5	1858.5	1858.5	1858.5	1858.5	1858.5	1858.5	1858.5	1858.5
2.5°	1850.9	1839.5	1812.9	1790.1	1771.1	1752.1	1721.7	1710.3	1702.7	1714.1	1714.1
5°	1862.3	1831.9	1786.3	1748.3	1714.1	1672.3	1626.7	1600.1	1577.3	1588.7	1588.7
7.5°	1881.4	1839.5	1782.5	1717.9	1630.5	1558.3	1501.3	1467.1	1448.1	1459.5	1467.1
10°	1869.9	1824.3	1748.3	1649.5	1546.9	1470.9	1398.7	1345.5	1326.4	1318.8	1326.4
12.5°	1881.4	1828.1	1698.9	1581.1	1482.3	1360.7	1273.2	1216.2	1193.4	1193.4	1193.4
15°	1919.4	1839.5	1668.5	1531.7	1379.7	1261.8	1170.6	1109.8	1102.2	1075.6	1075.6
17.5°	1972.6	1850.9	1657.1	1455.7	1288.4	1166.8	1060.4	999.6	980.6	984.4	984.4
20°	2025.8	1873.7	1634.3	1391.1	1204.8	1060.4	950.2	893.2	847.6	832.4	840.0
22.5°	2117.0	1938.4	1615.3	1356.9	1109.8	973.0	851.4	756.3	680.3	657.5	646.1
25°	2250.0	2041.0	1641.9	1277.0	1052.8	874.2	729.7	596.7	505.5	482.7	478.9
27.5°	2493.3	2200.6	1672.3	1277.0	961.6	786.7	581.5	440.9	368.7	345.9	353.5
30°	2721.3	2417.2	1759.7	1208.6	923.6	630.9	433.3	330.7	266.0	239.4	247.0
32.5°	2911.3	2622.5	1881.4	1193.4	813.4	467.5	315.5	231.8	186.2	171.0	174.8
35°	3185.0	2797.3	1976.4	1140.2	668.9	342.1	220.4	163.4	144.4	136.8	136.8
37.5°	3447.2	3010.2	2071.4	1128.8	494.1	250.8	148.2	133.0	129.2	117.8	117.8
40°	3698.1	3226.8	2113.2	1064.2	349.7	163.4	125.4	121.6	117.8	106.4	106.4
42.5°	4005.9	3435.8	2151.2	980.6	243.2	121.6	110.2	114.0	110.2	98.8	95.0
45°	4241.6	3576.5	2162.6	767.7	155.8	114.0	102.6	106.4	102.6	91.2	91.2
47.5°	4439.2	3766.5	2117.0	524.5	129.2	106.4	95.0	98.8	95.0	87.4	83.6
50°	4640.7	3941.3	2075.2	281.3	121.6	102.6	91.2	83.6	87.4	79.8	76.0
52.5°	4914.3	4070.6	1965.0	171.0	114.0	95.0	83.6	76.0	76.0	68.4	72.2
55°	5290.6	4389.8	1759.7	159.6	110.2	91.2	79.8	68.4	68.4	60.8	60.8
57.5°	5457.8	4515.2	1429.1	144.4	106.4	91.2	72.2	60.8	53.2	49.4	45.6
60°	5663.1	4701.5	1125.0	133.0	98.8	87.4	64.6	53.2	41.8	38.0	38.0
62.5°	5777.1	4739.5	878.0	121.6	95.0	76.0	57.0	41.8	34.2	26.6	26.6
65°	5834.1	4712.9	585.3	110.2	87.4	72.2	49.4	34.2	22.8	19.0	19.0
67.5°	5617.4	4572.3	338.3	102.6	83.6	64.6	41.8	26.6	19.0	15.2	11.4
70°	5248.8	4161.8	212.8	91.2	79.8	57.0	38.0	22.8	15.2	11.4	7.6
72.5°	4815.5	3397.8	155.8	83.6	76.0	49.4	30.4	19.0	11.4	7.6	7.6
75°	4397.4	2960.8	133.0	72.2	64.6	41.8	26.6	15.2	11.4	7.6	3.8
77.5°	3147.0	2018.2	117.8	64.6	57.0	34.2	19.0	15.2	7.6	3.8	3.8
80°	2234.8	1185.8	106.4	53.2	45.6	26.6	19.0	11.4	7.6	3.8	3.8
82.5°	1071.8	615.7	102.6	45.6	34.2	22.8	15.2	11.4	7.6	3.8	3.8
85°	486.5	262.2	76.0	41.8	30.4	22.8	15.2	11.4	7.6	7.6	3.8
87.5°	296.5	136.8	60.8	34.2	22.8	19.0	11.4	7.6	7.6	7.6	7.6
90°	277.5	178.6	45.6	26.6	19.0	15.2	11.4	3.8	0.0	0.0	0.0
92.5°	266.0	205.2	34.2	19.0	11.4	11.4	3.8	0.0	0.0	0.0	0.0
95°	250.8	193.8	38.0	11.4	19.0	7.6	3.8	0.0	0.0	0.0	0.0
97.5°	197.6	152.0	41.8	11.4	95.0	7.6	3.8	0.0	0.0	0.0	0.0
100°	125.4	95.0	30.4	11.4	114.0	7.6	0.0	0.0	0.0	0.0	0.0
102.5°	72.2	53.2	15.2	11.4	34.2	3.8	0.0	0.0	0.0	0.0	0.0
105°	30.4	26.6	7.6	3.8	3.8	3.8	0.0	0.0	0.0	0.0	0.0
107.5°	7.6	7.6	3.8	3.8	3.8	3.8	0.0	0.0	0.0	0.0	0.0
110°	3.8	3.8	3.8	3.8	3.8	3.8	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	3.8	0.0	0.0	0.0	0.0	0.0
115°	3.8	3.8	3.8	3.8	3.8	3.8	0.0	0.0	0.0	0.0	0.0
117.5°	3.8	3.8	3.8	3.8	3.8	3.8	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	3.8	3.8	0.0	0.0	0.0	0.0
125°	3.8	3.8	3.8	3.8	3.8	3.8	3.8	0.0	0.0	0.0	0.0
127.5°	3.8	3.8	3.8	3.8	3.8	3.8	3.8	0.0	0.0	0.0	0.0
130°	3.8	3.8	3.8	7.6	3.8	3.8	3.8	0.0	0.0	0.0	0.0
132.5°	3.8	3.8	3.8	7.6	3.8	3.8	3.8	0.0	0.0	0.0	0.0
135°	3.8	3.8	3.8	3.8	3.8	3.8	3.8	0.0	0.0	0.0	0.0
137.5°	3.8	3.8	3.8	3.8	3.8	3.8	3.8	0.0	0.0	0.0	0.0
140°	3.8	3.8	3.8	3.8	3.8	3.8	3.8	0.0	0.0	0.0	0.0
142.5°	3.8	3.8	3.8	3.8	3.8	3.8	3.8	0.0	0.0	0.0	0.0
145°	3.8	3.8	3.8	3.8	3.8	3.8	3.8	0.0	0.0	0.0	0.0
147.5°	3.8	3.8	3.8	3.8	3.8	3.8	3.8	0.0	0.0	0.0	0.0
150°	3.8	3.8	3.8	3.8	3.8	3.8	3.8	0.0	0.0	0.0	0.0
152.5°	3.8	3.8	3.8	3.8	3.8	3.8	3.8	0.0	0.0	0.0	0.0
155°	3.8	3.8	3.8	3.8	3.8	3.8	3.8	0.0	0.0	0.0	0.0
157.5°	3.8	3.8	3.8	3.8	3.8	3.8	3.8	0.0	0.0	0.0	0.0
160°	3.8	3.8	3.8	3.8	3.8	3.8	3.8	0.0	0.0	0.0	0.0
162.5°	3.8	3.8	3.8	3.8	3.8	3.8	3.8	0.0	0.0	0.0	0.0
165°	3.8	3.8	3.8	3.8	3.8	3.8	3.8	0.0	0.0	0.0	0.0
167.5°	3.8	3.8	3.8	3.8	3.8	3.8	0.0	0.0	0.0	0.0	0.0
170°	3.8	3.8	3.8	3.8	3.8	3.8	0.0	0.0	0.0	0.0	0.0
172.5°	3.8	3.8	3.8	3.8	3.8	3.8	0.0	0.0	0.0	0.0	0.0
175°	0.0	3.8	3.8	3.8	3.8	3.8	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	3.8	3.8	3.8	3.8	3.8	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)