

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: P691788

Luminaire Tested: **CRTK2-C01H-5TLD-U-T3-7040-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691788
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-10)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C01H-5TLD-U-T3-7040-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 4000K LED WITH TYPE III OPTIC AND HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9345.9 lumens
Efficiency: N/A
Efficacy: 124.8 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.08')
IES Classification: Type III - Medium
BUG Rating: B1 - U3 - G2

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

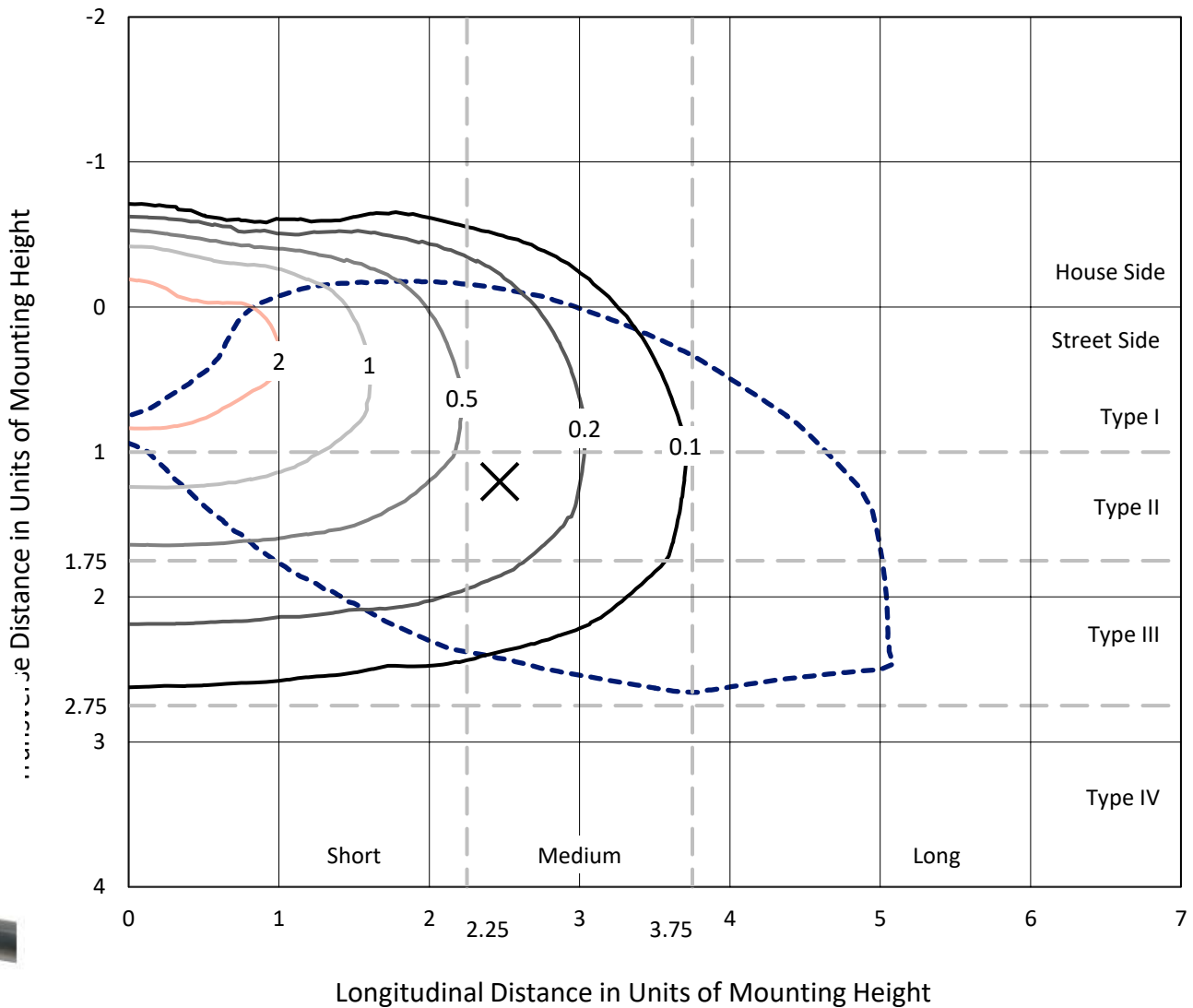


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 --- 1/2 Max cd

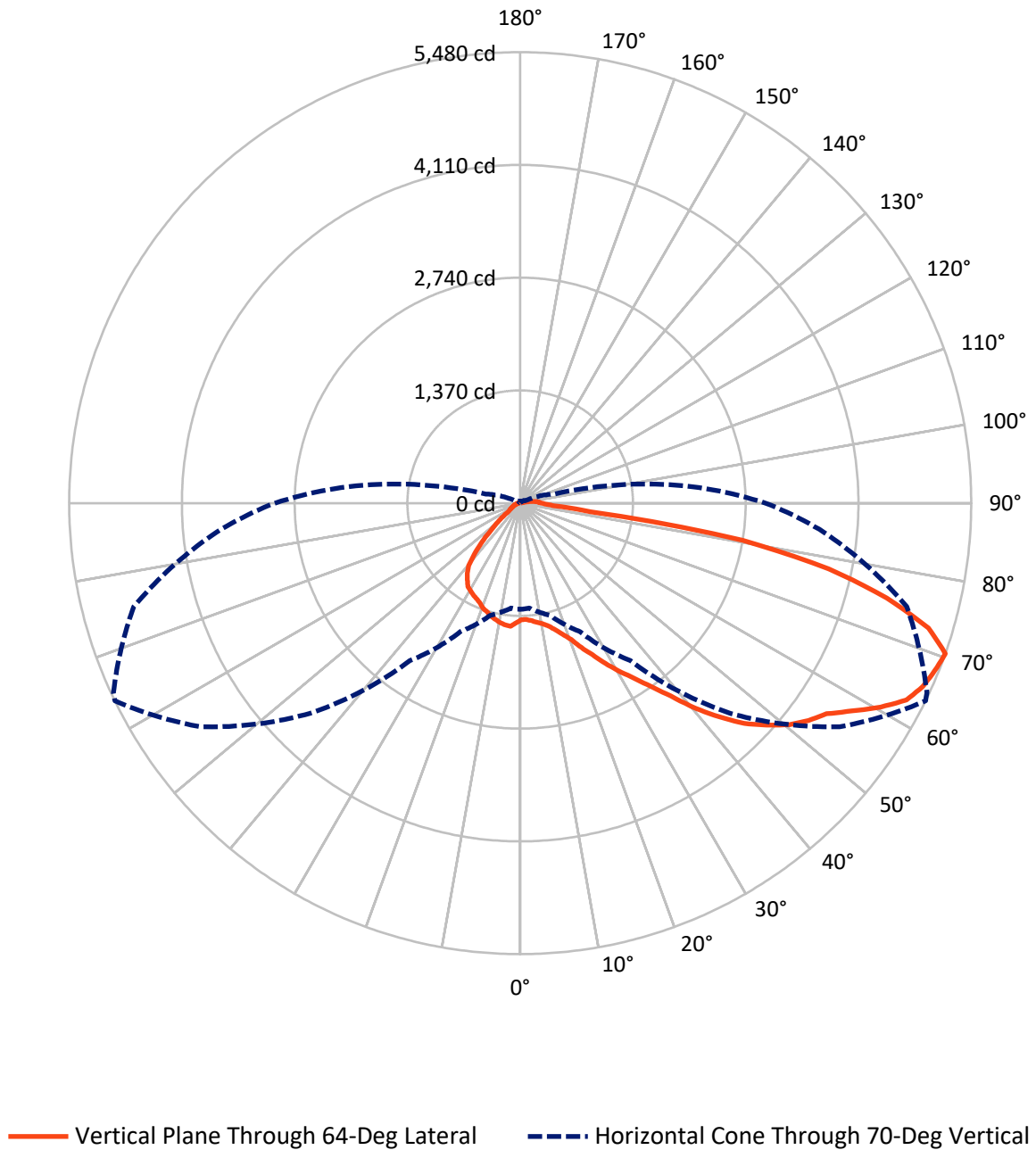


Based on 25 foot mounting height. Maximum calculated value = 2.7 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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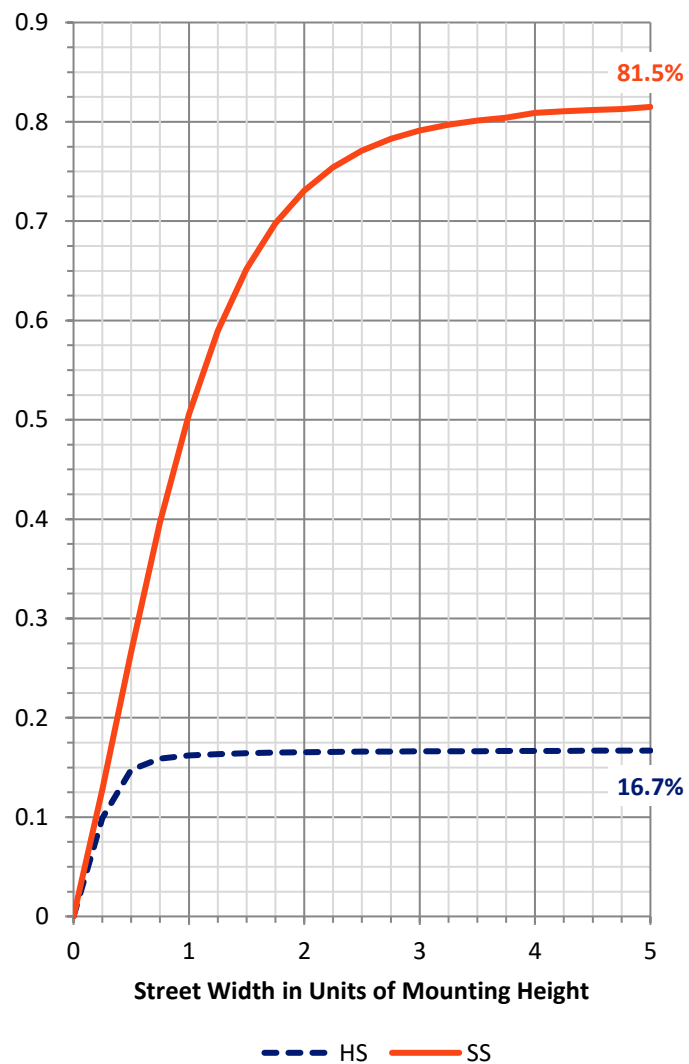
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1585.0	19.2	1604.3
	% Fixture	17.0	0.2	17.2
Street Side	Lumens	7662.9	78.8	7741.7
	% Fixture	82.0	0.8	82.8
Total	Lumens	9247.9	98.0	9345.9
	% Fixture	99.0	1.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	140.5	1.5
10°-20°	430.7	4.6
20°-30°	744.6	8.0
30°-40°	1104.9	11.8
40°-50°	1517.8	16.2
50°-60°	1843.2	19.7
60°-70°	1958.2	21.0
70°-80°	1293.7	13.8
80°-90°	214.2	2.3
90°-100°	79.8	0.9
100°-110°	13.5	0.1
110°-120°	1.0	0.0
120°-130°	1.0	0.0
130°-140°	1.0	0.0
140°-150°	0.8	0.0
150°-160°	0.5	0.0
160°-170°	0.3	0.0
170°-180°	0.1	0.0
0°-90°	9247.9	99.0
0°-180°	9345.9	100.0

Coefficient of Utilization



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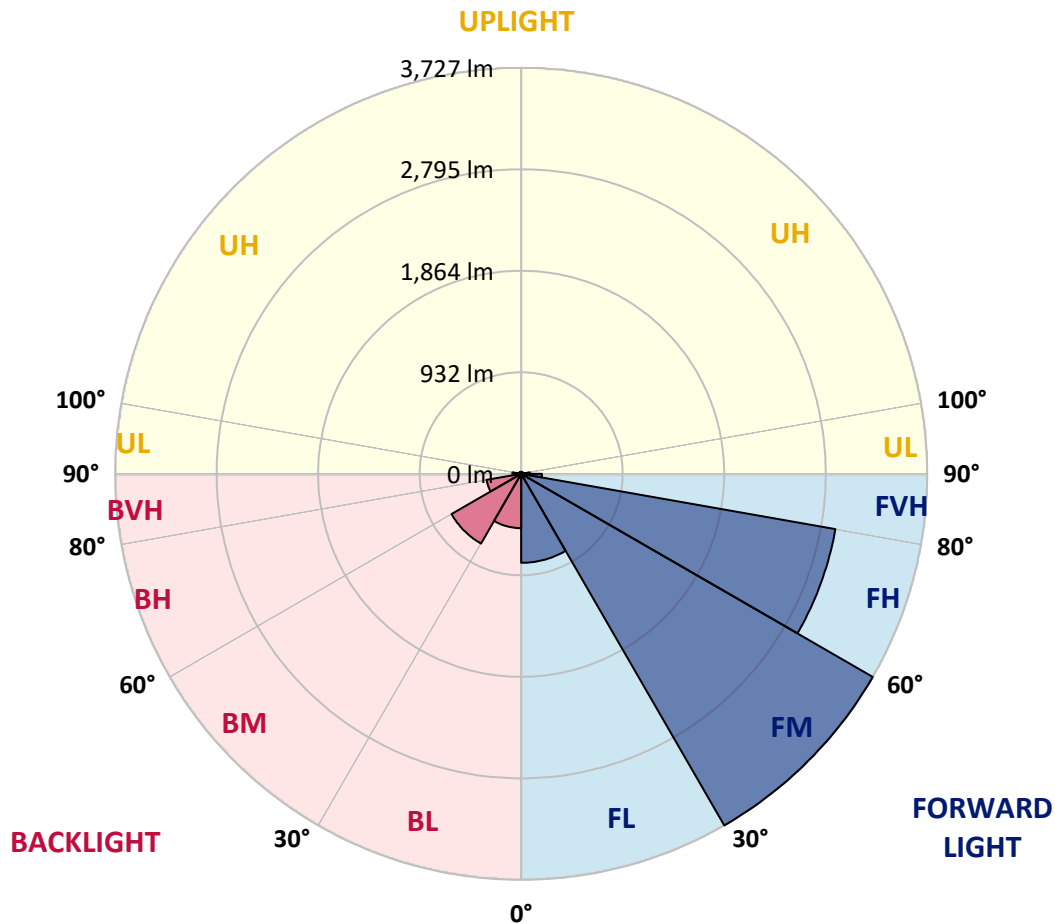
CATALOG NUMBER: CRTK2-C01H-5TLD-U-T3-7040-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	816.9	8.7			
FM	(30°-60°)	3727.0	39.9			
FH	(60°-80°)	2928.8	31.3			G2/5000
FVH	(80°-90°)	190.2	2.0			G2/225
BL	(0°-30°)	498.9	5.3	B1/500		
BM	(30°-60°)	738.8	7.9	B1/1000		
BH	(60°-80°)	323.2	3.5	B1/500		G1/500
BVH	(80°-90°)	24.1	0.3			G1/100
UL	(90°-100°)	79.8	0.9		U3/500	
UH	(100°-180°)	18.2	0.2		U2/50	

BUG Rating: B1-U3-G2

Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	1417.7	1417.7	1417.7	1417.7	1417.7	1417.7	1417.7	1417.7	1417.7	1417.7	1417.7
2.5°	1427.8	1424.4	1427.8	1424.4	1421.1	1417.7	1414.4	1414.4	1411.1	1414.4	1417.7
5°	1491.3	1494.6	1488.0	1474.6	1457.9	1444.5	1437.8	1434.5	1434.5	1437.8	1451.2
7.5°	1538.1	1534.8	1531.4	1528.1	1514.7	1484.6	1467.9	1461.2	1461.2	1454.5	1477.9
10°	1621.7	1615.0	1598.3	1578.2	1564.9	1531.4	1501.3	1491.3	1488.0	1491.3	1511.4
12.5°	1712.0	1705.3	1702.0	1681.9	1635.1	1605.0	1554.8	1531.4	1531.4	1531.4	1541.5
15°	1842.4	1832.4	1798.9	1775.5	1735.4	1685.2	1628.4	1595.0	1595.0	1601.6	1574.9
17.5°	1936.0	1929.3	1926.0	1885.9	1852.4	1775.5	1732.1	1675.2	1675.2	1688.6	1631.7
20°	2033.0	2026.3	2029.6	2023.0	1972.8	1912.6	1835.7	1768.8	1768.8	1772.2	1691.9
22.5°	2163.4	2153.4	2153.4	2150.0	2123.3	2053.0	1962.8	1905.9	1895.9	1869.1	1768.8
25°	2293.8	2290.5	2283.8	2287.1	2280.4	2200.2	2103.2	2039.7	2039.7	2002.9	1872.5
27.5°	2424.2	2424.2	2420.9	2424.2	2420.9	2370.7	2273.7	2206.9	2210.2	2163.4	1986.2
30°	2517.8	2514.5	2537.9	2547.9	2554.6	2534.5	2440.9	2367.4	2374.0	2327.2	2119.9
32.5°	2604.8	2601.4	2641.5	2664.9	2671.6	2668.3	2591.4	2531.2	2547.9	2504.5	2280.4
35°	2685.0	2681.7	2735.2	2795.4	2822.1	2815.4	2765.3	2731.8	2748.5	2745.2	2497.8
37.5°	2745.2	2755.2	2825.4	2909.0	2955.9	2959.2	2935.8	2972.6	2992.6	3059.5	2768.6
40°	2815.4	2815.4	2882.3	2972.6	3056.2	3089.6	3109.7	3276.9	3296.9	3310.3	2949.2
42.5°	2741.9	2761.9	2905.7	3039.4	3146.4	3223.4	3333.7	3551.0	3594.5	3494.2	3169.9
45°	2685.0	2701.7	2848.9	3072.9	3226.7	3370.5	3577.8	3818.5	3852.0	3678.1	3286.9
47.5°	2624.8	2651.6	2802.0	3049.5	3303.6	3551.0	3781.8	4029.2	4059.3	3835.3	3450.7
50°	2554.6	2584.7	2745.2	3016.0	3343.7	3721.6	3965.7	4233.2	4236.5	3972.3	3541.0
52.5°	2487.7	2507.8	2675.0	2972.6	3377.2	3852.0	4139.5	4387.0	4366.9	4146.2	3638.0
55°	2374.0	2414.2	2591.4	2912.4	3393.9	3925.5	4259.9	4517.4	4530.7	4333.5	3768.4
57.5°	2270.4	2297.1	2484.4	2825.4	3380.5	3969.0	4376.9	4761.5	4788.2	4500.7	3862.0
60°	2140.0	2156.7	2337.3	2705.1	3293.6	4042.6	4637.7	5032.3	5062.4	4661.2	3898.8
62.5°	1976.1	1976.1	2156.7	2544.6	3183.2	4096.1	4818.3	5266.4	5266.4	4788.2	3912.2
65°	1765.5	1775.5	1936.0	2327.2	2999.3	4066.0	4871.8	5376.7	5386.7	4878.5	3905.5
67.5°	1561.5	1558.2	1698.6	2043.0	2721.8	3908.8	4831.7	5433.6	5473.7	4932.0	3818.5
70°	1290.7	1280.6	1411.1	1722.0	2333.9	3611.2	4738.1	5480.4	5453.6	4861.8	3648.0
72.5°	993.1	983.1	1080.0	1317.4	1839.0	3099.6	4463.9	5186.1	5139.3	4480.6	3296.9
75°	705.5	692.2	769.1	926.2	1210.4	2267.0	3828.6	4601.0	4547.5	4029.2	2751.9
77.5°	401.2	387.9	458.1	585.2	732.3	1284.0	2899.0	3835.3	3908.8	3323.7	2103.2
80°	177.2	170.5	200.6	280.9	411.3	611.9	1578.2	2741.9	2641.5	2267.0	1197.1
82.5°	150.5	150.5	153.8	160.5	167.2	280.9	591.8	862.7	825.9	665.4	381.2
85°	130.4	127.1	133.7	140.4	143.8	183.9	344.4	414.6	407.9	367.8	264.2
87.5°	107.0	100.3	110.3	117.0	117.0	150.5	257.5	304.3	304.3	307.6	234.1
90°	93.6	93.6	86.9	86.9	90.3	107.0	197.3	250.8	257.5	317.7	270.8
92.5°	80.2	80.2	80.2	80.2	66.9	76.9	140.4	224.0	240.7	311.0	244.1
95°	76.9	73.6	76.9	70.2	66.9	70.2	107.0	197.3	217.3	274.2	214.0
97.5°	53.5	50.2	56.8	56.8	60.2	63.5	90.3	147.1	153.8	204.0	160.5
100°	36.8	33.4	33.4	33.4	43.5	43.5	73.6	90.3	93.6	130.4	107.0
102.5°	20.1	16.7	16.7	16.7	23.4	26.7	36.8	50.2	50.2	70.2	60.2
105°	6.7	6.7	10.0	10.0	10.0	13.4	13.4	16.7	16.7	20.1	26.7
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3

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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	0.0	3.3
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	3.3
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	3.3
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	3.3
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	3.3
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	3.3
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	3.3
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	3.3
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	3.3
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	3.3
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	3.3
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	3.3
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	3.3
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	3.3
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	3.3
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3
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°	1417.7	1417.7	1417.7	1417.7	1417.7	1417.7	1417.7	1417.7	1417.7	1417.7	1417.7
2.5°	1421.1	1427.8	1444.5	1454.5	1467.9	1481.3	1491.3	1491.3	1501.3	1494.6	1491.3
5°	1464.6	1467.9	1488.0	1501.3	1498.0	1484.6	1474.6	1467.9	1471.2	1477.9	1477.9
7.5°	1494.6	1508.0	1491.3	1491.3	1488.0	1471.2	1451.2	1431.1	1421.1	1417.7	1417.7
10°	1511.4	1498.0	1491.3	1474.6	1437.8	1427.8	1411.1	1374.3	1364.2	1364.2	1350.9
12.5°	1521.4	1514.7	1477.9	1447.8	1414.4	1360.9	1324.1	1317.4	1287.3	1284.0	1287.3
15°	1561.5	1528.1	1481.3	1424.4	1360.9	1314.1	1263.9	1210.4	1187.0	1190.4	1193.7
17.5°	1588.3	1558.2	1474.6	1384.3	1327.5	1240.5	1183.7	1153.6	1116.8	1116.8	1116.8
20°	1631.7	1581.6	1464.6	1367.6	1233.8	1170.3	1103.4	1070.0	1033.2	969.7	963.0
22.5°	1688.6	1625.1	1461.2	1317.4	1197.1	1093.4	996.4	892.8	839.3	802.5	792.5
25°	1758.8	1685.2	1484.6	1294.0	1126.8	999.8	876.1	735.6	635.3	615.2	615.2
27.5°	1879.2	1762.1	1514.7	1270.6	1086.7	896.1	702.2	578.5	491.5	464.8	461.4
30°	1996.2	1859.1	1524.7	1247.2	1009.8	755.7	541.7	411.3	334.4	300.9	294.2
32.5°	2180.1	1992.9	1611.7	1227.1	922.9	608.6	384.5	260.8	197.3	177.2	173.9
35°	2367.4	2173.4	1641.8	1173.6	765.7	444.7	220.7	140.4	107.0	90.3	86.9
37.5°	2608.1	2400.8	1732.1	1116.8	608.6	254.1	123.7	76.9	66.9	66.9	66.9
40°	2748.5	2501.1	1812.3	1043.2	418.0	130.4	73.6	60.2	60.2	56.8	56.8
42.5°	2929.1	2624.8	1882.5	899.5	220.7	80.2	63.5	56.8	50.2	50.2	50.2
45°	3032.8	2705.1	1859.1	722.2	103.7	73.6	60.2	50.2	46.8	46.8	46.8
47.5°	3159.8	2805.4	1809.0	535.0	90.3	66.9	56.8	46.8	43.5	46.8	46.8
50°	3286.9	2905.7	1681.9	411.3	83.6	63.5	50.2	40.1	40.1	43.5	43.5
52.5°	3350.4	2975.9	1531.4	284.2	83.6	60.2	46.8	40.1	36.8	36.8	36.8
55°	3424.0	2992.6	1404.4	187.2	80.2	56.8	43.5	33.4	33.4	30.1	30.1
57.5°	3464.1	2949.2	1310.7	157.2	76.9	53.5	40.1	30.1	26.7	23.4	23.4
60°	3447.4	2885.6	1230.5	137.1	70.2	50.2	36.8	26.7	20.1	16.7	16.7
62.5°	3413.9	2832.1	1083.4	120.4	66.9	43.5	30.1	23.4	16.7	13.4	13.4
65°	3377.2	2688.4	912.8	103.7	60.2	40.1	26.7	20.1	13.4	10.0	10.0
67.5°	3206.6	2497.8	668.7	93.6	56.8	36.8	23.4	16.7	13.4	10.0	10.0
70°	2982.6	2180.1	431.3	80.2	50.2	33.4	23.4	13.4	10.0	6.7	6.7
72.5°	2537.9	1778.9	217.3	70.2	46.8	33.4	20.1	13.4	10.0	6.7	3.3
75°	2073.1	1327.5	140.4	60.2	43.5	33.4	20.1	13.4	6.7	3.3	3.3
77.5°	1484.6	718.9	107.0	53.5	36.8	33.4	16.7	10.0	6.7	6.7	3.3
80°	618.6	260.8	86.9	43.5	33.4	30.1	16.7	10.0	6.7	6.7	3.3
82.5°	260.8	180.6	76.9	36.8	30.1	30.1	13.4	10.0	6.7	6.7	6.7
85°	204.0	150.5	66.9	33.4	26.7	33.4	13.4	10.0	10.0	10.0	10.0
87.5°	190.6	153.8	60.2	30.1	26.7	23.4	13.4	10.0	16.7	16.7	20.1
90°	214.0	160.5	46.8	26.7	23.4	20.1	10.0	6.7	6.7	0.0	0.0
92.5°	197.3	147.1	33.4	20.1	30.1	13.4	6.7	0.0	0.0	0.0	0.0
95°	170.5	123.7	20.1	13.4	33.4	16.7	3.3	0.0	0.0	0.0	0.0
97.5°	127.1	90.3	13.4	6.7	26.7	20.1	3.3	0.0	0.0	0.0	0.0
100°	90.3	56.8	10.0	6.7	16.7	20.1	3.3	0.0	0.0	0.0	0.0
102.5°	50.2	30.1	6.7	3.3	6.7	6.7	0.0	0.0	0.0	0.0	0.0
105°	23.4	10.0	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0	0.0
110°	3.3	3.3	3.3	3.3	3.3	3.3	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°	3.3	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0
115°	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0	0.0
120°	3.3	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0
122.5°	3.3	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0
125°	3.3	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0
127.5°	3.3	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0
130°	3.3	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0
132.5°	3.3	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0
135°	3.3	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0
137.5°	3.3	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0
140°	3.3	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0
142.5°	3.3	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0
145°	3.3	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0
147.5°	3.3	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0
150°	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0	0.0
155°	3.3	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0
157.5°	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0	0.0
160°	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0	0.0
165°	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0	0.0
170°	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	3.3	3.3	3.3	3.3	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)