

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: P691964

Luminaire Tested: **CRTK2-C01HO-D-U-T3-7030-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691964
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-C01HO-D-U-T3-7030-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K LED WITH TYPE III OPTIC AND HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10428 lumens
Efficiency: N/A
Efficacy: 132.0 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

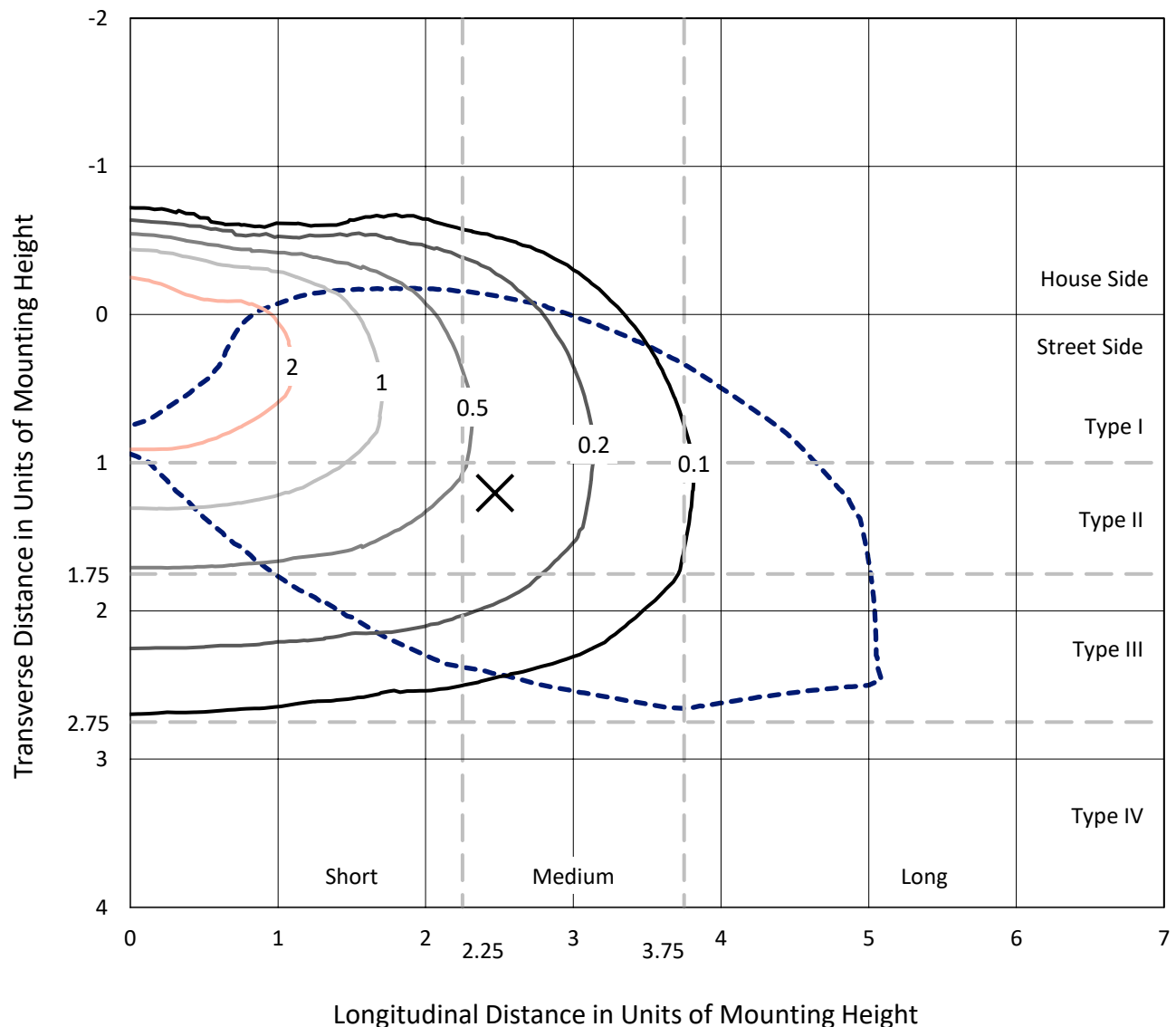


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Iso-Footcandle Lines of Horizontal Illumination

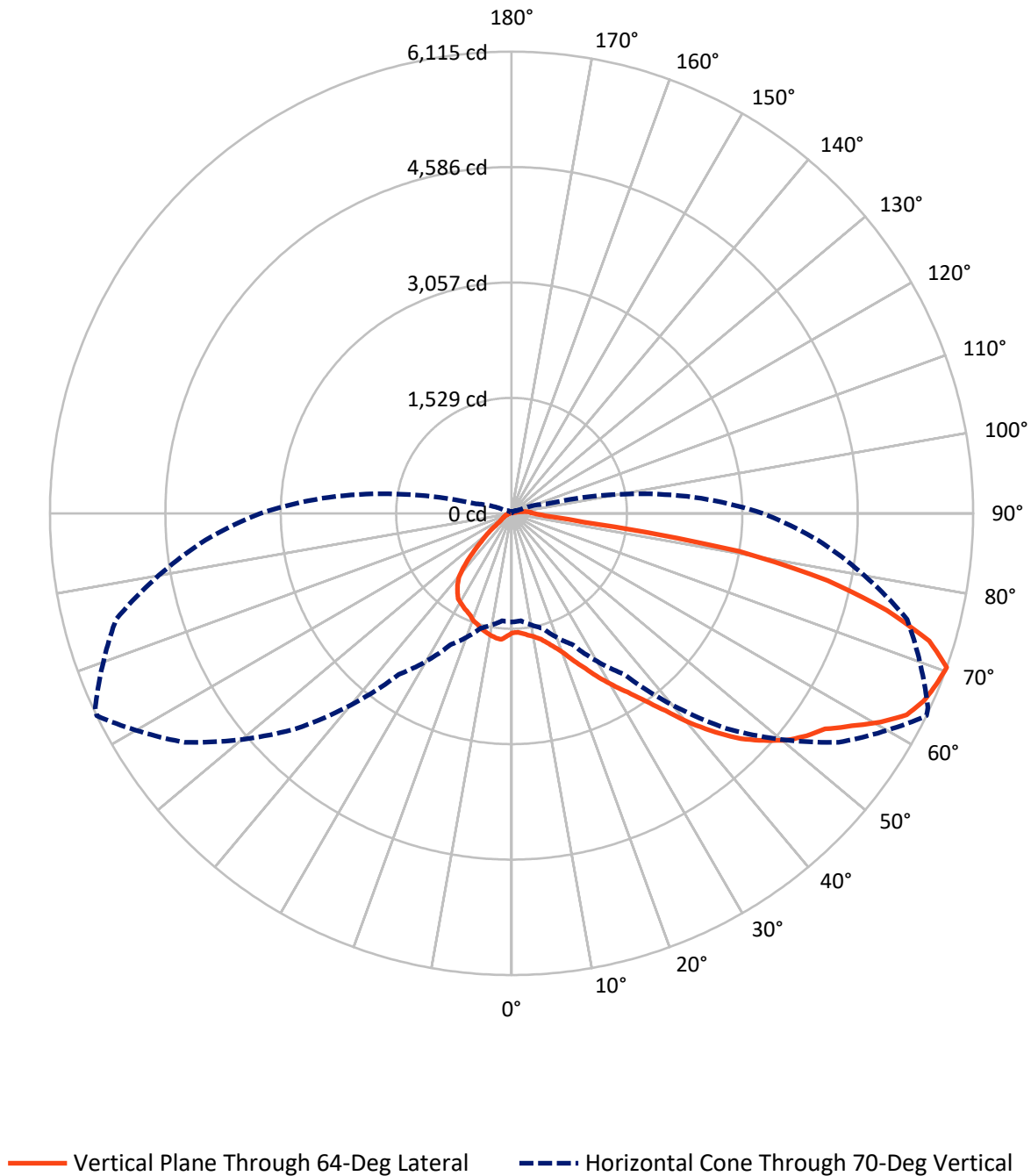
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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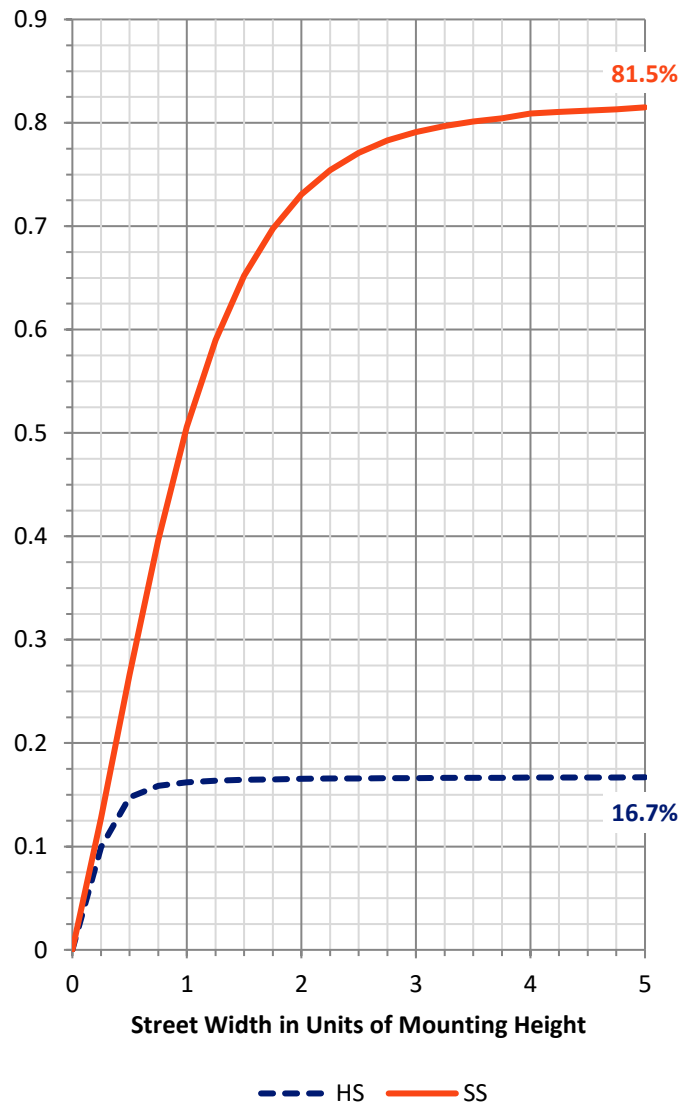
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1768.5	21.5	1790.0
	% Fixture	17.0	0.2	17.2
Street Side	Lumens	8550.0	87.9	8638.0
	% Fixture	82.0	0.8	82.8
Total	Lumens	10318.6	109.4	10428.0
	% Fixture	99.0	1.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	156.8	1.5
10°-20°	480.6	4.6
20°-30°	830.8	8.0
30°-40°	1232.8	11.8
40°-50°	1693.5	16.2
50°-60°	2056.6	19.7
60°-70°	2184.9	21.0
70°-80°	1443.5	13.8
80°-90°	239.0	2.3
90°-100°	89.1	0.9
100°-110°	15.0	0.1
110°-120°	1.1	0.0
120°-130°	1.2	0.0
130°-140°	1.1	0.0
140°-150°	0.9	0.0
150°-160°	0.6	0.0
160°-170°	0.3	0.0
170°-180°	0.1	0.0
0°-90°	10318.6	99.0
0°-180°	10428.0	100.0

Coefficient of Utilization



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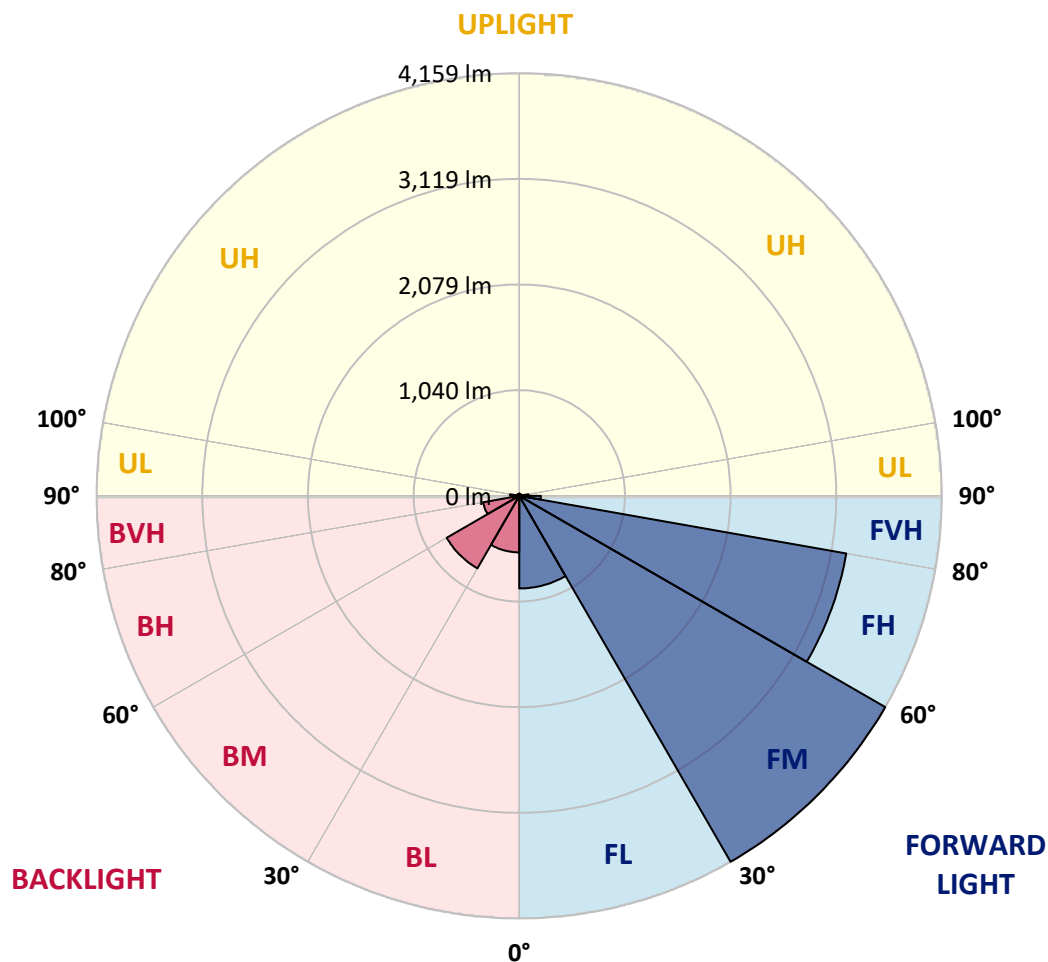
CATALOG NUMBER: CRTK2-C01HO-D-U-T3-7030-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	911.5	8.7			
FM	(30°-60°)	4158.5	39.9			
FH	(60°-80°)	3267.8	31.3			G2/5000
FVH	(80°-90°)	212.2	2.0			G2/225
BL	(0°-30°)	556.7	5.3	B2/1000		
BM	(30°-60°)	824.4	7.9	B1/1000		
BH	(60°-80°)	360.6	3.5	B1/500		G1/500
BVH	(80°-90°)	26.9	0.3			G1/100
UL	(90°-100°)	89.1	0.9		U3/500	
UH	(100°-180°)	20.3	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°	1581.9	1581.9	1581.9	1581.9	1581.9	1581.9	1581.9	1581.9	1581.9	1581.9	1581.9
2.5°	1593.1	1589.3	1593.1	1589.3	1585.6	1581.9	1578.1	1578.1	1574.4	1578.1	1581.9
5°	1664.0	1667.7	1660.2	1645.3	1626.6	1611.7	1604.3	1600.5	1600.5	1604.3	1619.2
7.5°	1716.2	1712.5	1708.7	1705.0	1690.1	1656.5	1637.8	1630.4	1630.4	1622.9	1649.0
10°	1809.5	1802.0	1783.3	1761.0	1746.0	1708.7	1675.1	1664.0	1660.2	1664.0	1686.3
12.5°	1910.2	1902.7	1899.0	1876.6	1824.4	1790.8	1734.8	1708.7	1708.7	1708.7	1719.9
15°	2055.7	2044.5	2007.2	1981.1	1936.3	1880.3	1816.9	1779.6	1779.6	1787.1	1757.2
17.5°	2160.2	2152.7	2149.0	2104.2	2066.9	1981.1	1932.6	1869.1	1869.1	1884.1	1820.6
20°	2268.3	2260.9	2264.6	2257.2	2201.2	2134.0	2048.2	1973.6	1973.6	1977.3	1887.8
22.5°	2413.8	2402.7	2402.7	2398.9	2369.1	2290.7	2190.0	2126.6	2115.4	2085.5	1973.6
25°	2559.4	2555.6	2548.2	2551.9	2544.4	2454.9	2346.7	2275.8	2275.8	2234.8	2089.3
27.5°	2704.9	2704.9	2701.1	2704.9	2701.1	2645.2	2537.0	2462.4	2466.1	2413.8	2216.1
30°	2809.3	2805.6	2831.7	2842.9	2850.4	2828.0	2723.5	2641.4	2648.9	2596.7	2365.3
32.5°	2906.3	2902.6	2947.4	2973.5	2980.9	2977.2	2891.4	2824.2	2842.9	2794.4	2544.4
35°	2995.9	2992.1	3051.8	3119.0	3148.8	3141.4	3085.4	3048.1	3066.7	3063.0	2786.9
37.5°	3063.0	3074.2	3152.6	3245.8	3298.1	3301.8	3275.7	3316.7	3339.1	3413.7	3089.1
40°	3141.4	3141.4	3216.0	3316.7	3410.0	3447.3	3469.7	3656.2	3678.6	3693.5	3290.6
42.5°	3059.3	3081.7	3242.1	3391.3	3510.7	3596.5	3719.6	3962.1	4010.6	3898.7	3536.8
45°	2995.9	3014.5	3178.7	3428.6	3600.3	3760.7	3992.0	4260.6	4297.9	4103.9	3667.4
47.5°	2928.7	2958.6	3126.4	3402.5	3686.1	3962.1	4219.6	4495.7	4529.2	4279.3	3850.2
50°	2850.4	2883.9	3063.0	3365.2	3730.8	4152.4	4424.8	4723.2	4727.0	4432.2	3951.0
52.5°	2775.7	2798.1	2984.7	3316.7	3768.1	4297.9	4618.8	4894.9	4872.5	4626.2	4059.1
55°	2648.9	2693.7	2891.4	3249.6	3786.8	4380.0	4753.1	5040.4	5055.3	4835.2	4204.7
57.5°	2533.2	2563.1	2772.0	3152.6	3771.9	4428.5	4883.7	5312.7	5342.6	5021.7	4309.1
60°	2387.7	2406.4	2607.9	3018.2	3674.9	4510.6	5174.7	5614.9	5648.5	5200.8	4350.2
62.5°	2204.9	2204.9	2406.4	2839.2	3551.8	4570.3	5376.1	5876.1	5876.1	5342.6	4365.1
65°	1969.9	1981.1	2160.2	2596.7	3346.6	4536.7	5435.8	5999.2	6010.4	5443.3	4357.6
67.5°	1742.3	1738.6	1895.3	2279.5	3036.9	4361.3	5391.1	6062.6	6107.4	5503.0	4260.6
70°	1440.1	1428.9	1574.4	1921.4	2604.1	4029.3	5286.6	6114.8	6085.0	5424.6	4070.3
72.5°	1108.1	1096.9	1205.1	1469.9	2052.0	3458.5	4980.7	5786.5	5734.3	4999.3	3678.6
75°	787.2	772.3	858.1	1033.4	1350.6	2529.5	4271.8	5133.6	5073.9	4495.7	3070.5
77.5°	447.7	432.8	511.1	652.9	817.1	1432.6	3234.6	4279.3	4361.3	3708.4	2346.7
80°	197.7	190.3	223.9	313.4	458.9	682.7	1761.0	3059.3	2947.4	2529.5	1335.6
82.5°	167.9	167.9	171.6	179.1	186.5	313.4	660.4	962.6	921.5	742.4	425.3
85°	145.5	141.8	149.2	156.7	160.4	205.2	384.3	462.6	455.2	410.4	294.7
87.5°	119.4	111.9	123.1	130.6	130.6	167.9	287.3	339.5	339.5	343.2	261.2
90°	104.5	104.5	97.0	97.0	100.7	119.4	220.1	279.8	287.3	354.4	302.2
92.5°	89.5	89.5	89.5	89.5	74.6	85.8	156.7	250.0	268.6	347.0	272.4
95°	85.8	82.1	85.8	78.3	74.6	78.3	119.4	220.1	242.5	305.9	238.8
97.5°	59.7	56.0	63.4	63.4	67.2	70.9	100.7	164.2	171.6	227.6	179.1
100°	41.0	37.3	37.3	37.3	48.5	48.5	82.1	100.7	104.5	145.5	119.4
102.5°	22.4	18.7	18.7	18.7	26.1	29.8	41.0	56.0	56.0	78.3	67.2
105°	7.5	7.5	11.2	11.2	11.2	14.9	14.9	18.7	18.7	22.4	29.8
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.7
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.7



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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	3.7
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.7
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.7
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.7
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.7
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.7
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.7	3.7
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.7	3.7
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.7	3.7
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.7	3.7
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.7	3.7
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.7	3.7
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.7	3.7
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.7	3.7
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.7	3.7
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.7	3.7
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.7	3.7
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.7	3.7
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.7
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.7	3.7
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.7	3.7
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.7
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.7
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.7
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.7
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.7
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.7
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°	1581.9	1581.9	1581.9	1581.9	1581.9	1581.9	1581.9	1581.9	1581.9	1581.9	1581.9
2.5°	1585.6	1593.1	1611.7	1622.9	1637.8	1652.8	1664.0	1664.0	1675.1	1667.7	1664.0
5°	1634.1	1637.8	1660.2	1675.1	1671.4	1656.5	1645.3	1637.8	1641.6	1649.0	1649.0
7.5°	1667.7	1682.6	1664.0	1664.0	1660.2	1641.6	1619.2	1596.8	1585.6	1581.9	1581.9
10°	1686.3	1671.4	1664.0	1645.3	1604.3	1593.1	1574.4	1533.4	1522.2	1522.2	1507.3
12.5°	1697.5	1690.1	1649.0	1615.5	1578.1	1518.4	1477.4	1469.9	1436.4	1432.6	1436.4
15°	1742.3	1705.0	1652.8	1589.3	1518.4	1466.2	1410.3	1350.6	1324.4	1328.2	1331.9
17.5°	1772.1	1738.6	1645.3	1544.6	1481.1	1384.1	1320.7	1287.1	1246.1	1246.1	1246.1
20°	1820.6	1764.7	1634.1	1525.9	1376.7	1305.8	1231.2	1193.9	1152.8	1081.9	1074.5
22.5°	1884.1	1813.2	1630.4	1469.9	1335.6	1220.0	1111.8	996.1	936.4	895.4	884.2
25°	1962.4	1880.3	1656.5	1443.8	1257.3	1115.5	977.5	820.8	708.9	686.5	686.5
27.5°	2096.7	1966.1	1690.1	1417.7	1212.5	999.9	783.5	645.4	548.4	518.6	514.9
30°	2227.3	2074.3	1701.3	1391.6	1126.7	843.2	604.4	458.9	373.1	335.8	328.3
32.5°	2432.5	2223.6	1798.3	1369.2	1029.7	679.0	429.0	291.0	220.1	197.7	194.0
35°	2641.4	2425.0	1831.8	1309.5	854.4	496.2	246.2	156.7	119.4	100.7	97.0
37.5°	2910.1	2678.7	1932.6	1246.1	679.0	283.5	138.0	85.8	74.6	74.6	74.6
40°	3066.7	2790.7	2022.1	1164.0	466.4	145.5	82.1	67.2	67.2	63.4	63.4
42.5°	3268.2	2928.7	2100.5	1003.6	246.2	89.5	70.9	63.4	56.0	56.0	56.0
45°	3383.9	3018.2	2074.3	805.9	115.7	82.1	67.2	56.0	52.2	52.2	52.2
47.5°	3525.6	3130.2	2018.4	596.9	100.7	74.6	63.4	52.2	48.5	52.2	52.2
50°	3667.4	3242.1	1876.6	458.9	93.3	70.9	56.0	44.8	44.8	48.5	48.5
52.5°	3738.3	3320.4	1708.7	317.1	93.3	67.2	52.2	44.8	41.0	41.0	41.0
55°	3820.4	3339.1	1567.0	208.9	89.5	63.4	48.5	37.3	37.3	33.6	33.6
57.5°	3865.1	3290.6	1462.5	175.3	85.8	59.7	44.8	33.6	29.8	26.1	26.1
60°	3846.5	3219.7	1372.9	153.0	78.3	56.0	41.0	29.8	22.4	18.7	18.7
62.5°	3809.2	3160.0	1208.8	134.3	74.6	48.5	33.6	26.1	18.7	14.9	14.9
65°	3768.1	2999.6	1018.5	115.7	67.2	44.8	29.8	22.4	14.9	11.2	11.2
67.5°	3577.9	2786.9	746.2	104.5	63.4	41.0	26.1	18.7	14.9	11.2	11.2
70°	3327.9	2432.5	481.3	89.5	56.0	37.3	26.1	14.9	11.2	7.5	7.5
72.5°	2831.7	1984.8	242.5	78.3	52.2	37.3	22.4	14.9	11.2	7.5	3.7
75°	2313.1	1481.1	156.7	67.2	48.5	37.3	22.4	14.9	7.5	3.7	3.7
77.5°	1656.5	802.1	119.4	59.7	41.0	37.3	18.7	11.2	7.5	7.5	3.7
80°	690.2	291.0	97.0	48.5	37.3	33.6	18.7	11.2	7.5	7.5	3.7
82.5°	291.0	201.5	85.8	41.0	33.6	33.6	14.9	11.2	7.5	7.5	7.5
85°	227.6	167.9	74.6	37.3	29.8	37.3	14.9	11.2	11.2	11.2	11.2
87.5°	212.7	171.6	67.2	33.6	29.8	26.1	14.9	11.2	18.7	18.7	22.4
90°	238.8	179.1	52.2	29.8	26.1	22.4	11.2	7.5	7.5	0.0	0.0
92.5°	220.1	164.2	37.3	22.4	33.6	14.9	7.5	0.0	0.0	0.0	0.0
95°	190.3	138.0	22.4	14.9	37.3	18.7	3.7	0.0	0.0	0.0	0.0
97.5°	141.8	100.7	14.9	7.5	29.8	22.4	3.7	0.0	0.0	0.0	0.0
100°	100.7	63.4	11.2	7.5	18.7	22.4	3.7	0.0	0.0	0.0	0.0
102.5°	56.0	33.6	7.5	3.7	7.5	7.5	0.0	0.0	0.0	0.0	0.0
105°	26.1	11.2	3.7	3.7	3.7	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	3.7	3.7	3.7	3.7	3.7	0.0	0.0	0.0	0.0	0.0	0.0
110°	3.7	3.7	3.7	3.7	3.7	3.7	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°	3.7	3.7	3.7	3.7	3.7	3.7	0.0	0.0	0.0	0.0	0.0
115°	3.7	3.7	3.7	3.7	3.7	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	3.7	3.7	3.7	3.7	3.7	0.0	0.0	0.0	0.0	0.0	0.0
120°	3.7	3.7	3.7	3.7	3.7	3.7	0.0	0.0	0.0	0.0	0.0
122.5°	3.7	3.7	3.7	3.7	3.7	3.7	0.0	0.0	0.0	0.0	0.0
125°	3.7	3.7	3.7	3.7	3.7	3.7	0.0	0.0	0.0	0.0	0.0
127.5°	3.7	3.7	3.7	3.7	3.7	3.7	0.0	0.0	0.0	0.0	0.0
130°	3.7	3.7	3.7	3.7	3.7	3.7	0.0	0.0	0.0	0.0	0.0
132.5°	3.7	3.7	3.7	3.7	3.7	3.7	0.0	0.0	0.0	0.0	0.0
135°	3.7	3.7	3.7	3.7	3.7	3.7	0.0	0.0	0.0	0.0	0.0
137.5°	3.7	3.7	3.7	3.7	3.7	3.7	0.0	0.0	0.0	0.0	0.0
140°	3.7	3.7	3.7	3.7	3.7	3.7	0.0	0.0	0.0	0.0	0.0
142.5°	3.7	3.7	3.7	3.7	3.7	3.7	0.0	0.0	0.0	0.0	0.0
145°	3.7	3.7	3.7	3.7	3.7	3.7	0.0	0.0	0.0	0.0	0.0
147.5°	3.7	3.7	3.7	3.7	3.7	3.7	0.0	0.0	0.0	0.0	0.0
150°	3.7	3.7	3.7	3.7	3.7	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	3.7	3.7	3.7	3.7	3.7	0.0	0.0	0.0	0.0	0.0	0.0
155°	3.7	3.7	3.7	3.7	3.7	3.7	0.0	0.0	0.0	0.0	0.0
157.5°	3.7	3.7	3.7	3.7	3.7	0.0	0.0	0.0	0.0	0.0	0.0
160°	3.7	3.7	3.7	3.7	3.7	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	3.7	3.7	3.7	3.7	3.7	0.0	0.0	0.0	0.0	0.0	0.0
165°	3.7	3.7	3.7	3.7	3.7	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	3.7	3.7	3.7	3.7	3.7	0.0	0.0	0.0	0.0	0.0	0.0
170°	3.7	3.7	3.7	3.7	3.7	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	3.7	3.7	3.7	3.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	3.7	3.7	3.7	3.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	3.7	3.7	3.7	3.7	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)