

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: P691275

Luminaire Tested: **CRTK2-C015-5TLD-U-T5R-7050-RMARROA5**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691275
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-23)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C015-5TLD-U-T5R-7050-RMARROA5
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 5000K LED WITH TYPE V ROUND OPTIC AND NEMA REFRACTOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4381 lumens
Efficiency: N/A
Efficacy: 134.0 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.54')
IES Classification: Type V - Short
BUG Rating: B2 - U3 - G1

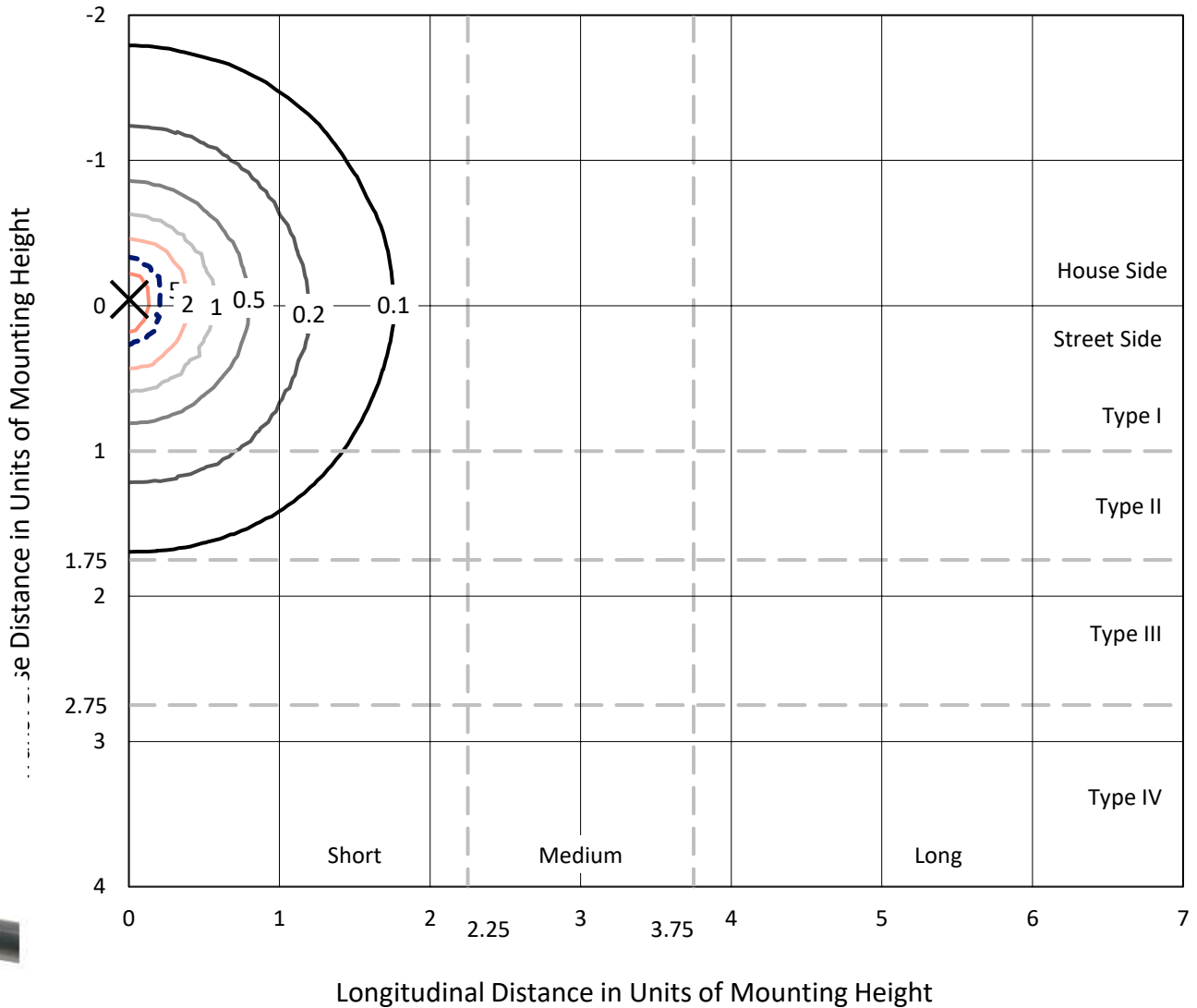
Input Watts (W): 32.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

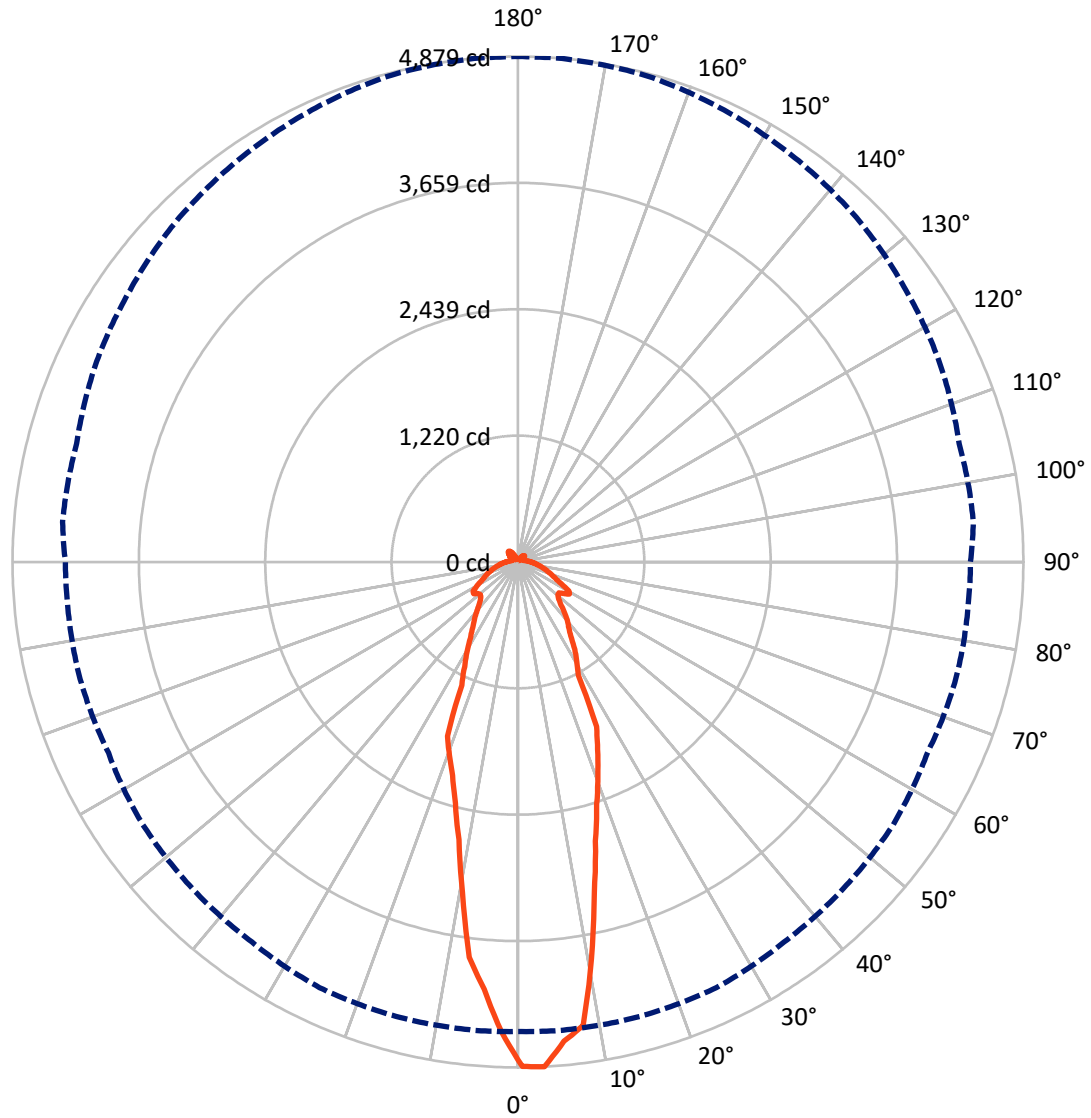
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.8 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 175-Deg Lateral - - - Horizontal Cone Through 2.5-Deg Vertical

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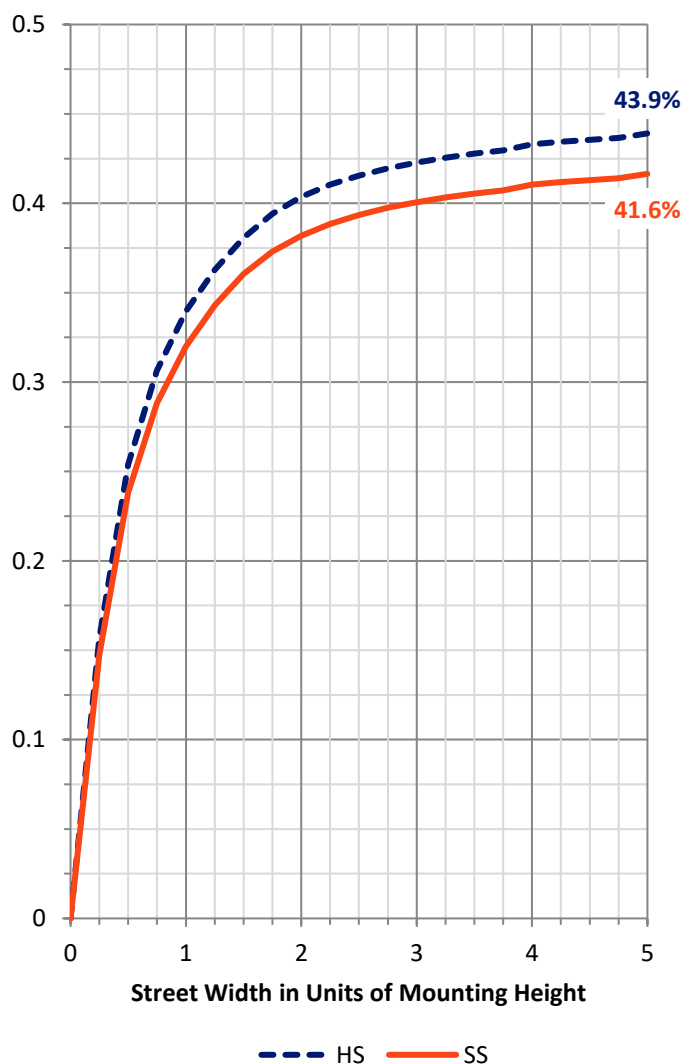
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1982.8	261.9	2244.7
	% Fixture	45.3	6.0	51.2
Street Side	Lumens	1867.5	268.8	2136.3
	% Fixture	42.6	6.1	48.8
Total	Lumens	3850.2	530.7	4381.0
	% Fixture	87.9	12.1	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	362.5	8.3
10°-20°	636.2	14.5
20°-30°	630.8	14.4
30°-40°	486.3	11.1
40°-50°	416.9	9.5
50°-60°	466.3	10.6
60°-70°	399.5	9.1
70°-80°	274.9	6.3
80°-90°	176.9	4.0
90°-100°	106.0	2.4
100°-110°	63.1	1.4
110°-120°	58.4	1.3
120°-130°	83.3	1.9
130°-140°	107.7	2.5
140°-150°	79.7	1.8
150°-160°	29.1	0.7
160°-170°	3.4	0.1
170°-180°	0.0	0.0
0°-90°	3850.2	87.9
0°-180°	4381.0	100.0

Coefficient of Utilization



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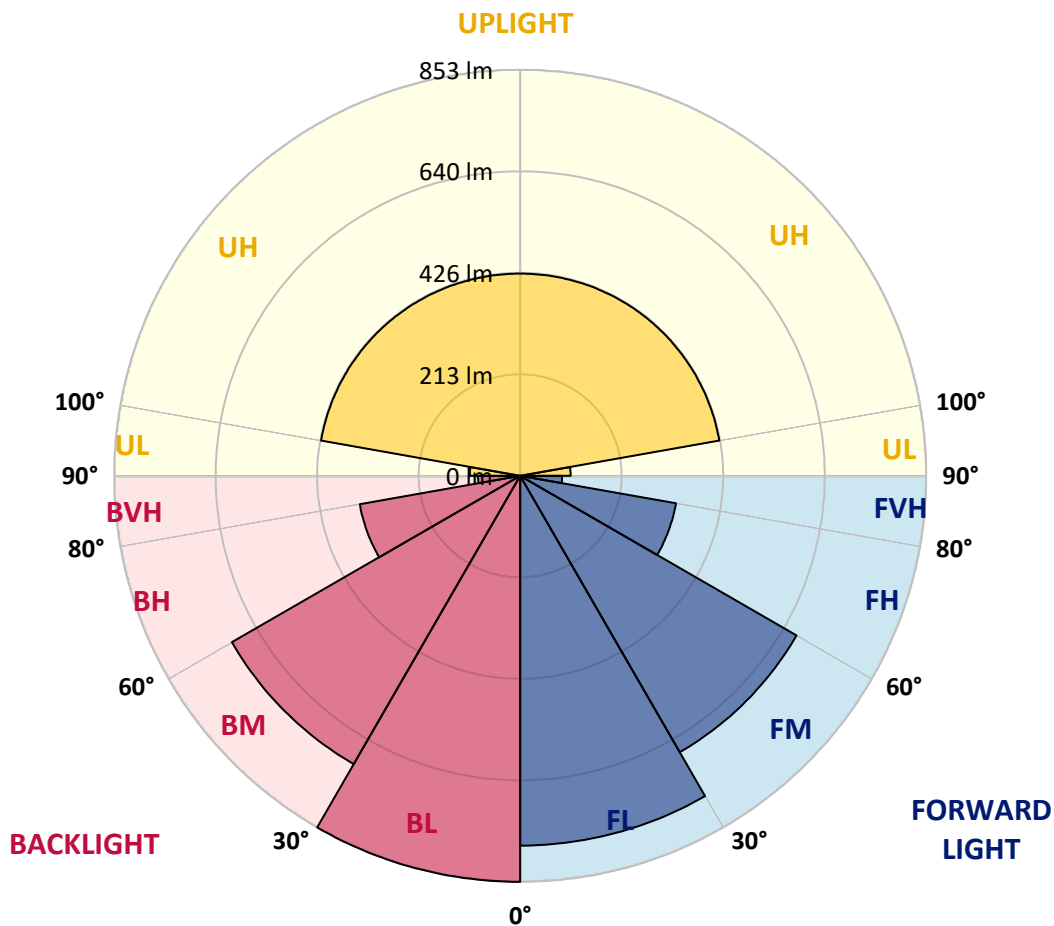
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	776.7	17.7			
FM (30°-60°)	670.3	15.3			
FH (60°-80°)	332.3	7.6			G0/660
FVH (80°-90°)	88.2	2.0			G1/100
BL (0°-30°)	852.8	19.5	B2/1000		
BM (30°-60°)	699.2	16.0	B1/1000		
BH (60°-80°)	342.1	7.8	B1/500		G0/660
BVH (80°-90°)	88.7	2.0			G1/100
UL (90°-100°)	106.0	2.4		U3/500	
UH (100°-180°)	424.7	9.7		U3/500	

BUG Rating: B2-U3-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4868.6	4868.6	4868.6	4868.6	4868.6	4868.6	4868.6	4868.6	4868.6	4868.6	4868.6
2.5°	4532.4	4539.0	4540.6	4532.4	4478.0	4450.0	4420.3	4361.0	4374.2	4365.9	4367.6
5°	4110.5	4136.8	4095.6	4084.1	4001.7	3940.7	3881.4	3817.1	3802.3	3775.9	3785.8
7.5°	3830.3	3845.1	3777.5	3708.3	3576.5	3482.5	3383.6	3284.7	3210.6	3182.6	3194.1
10°	3189.2	3238.6	3171.0	3100.2	2974.9	2862.8	2759.0	2661.7	2594.2	2572.7	2576.0
12.5°	2711.2	2739.2	2681.5	2633.7	2493.6	2386.5	2290.9	2200.3	2145.9	2122.8	2122.8
15°	2394.7	2406.3	2361.8	2269.5	2164.0	2066.8	1986.0	1920.1	1875.6	1867.3	1870.6
17.5°	2155.8	2155.8	2111.3	2038.7	1958.0	1872.3	1816.3	1766.8	1747.0	1753.6	1755.3
20°	1976.1	1977.8	1938.2	1867.3	1798.1	1720.7	1674.5	1639.9	1628.4	1639.9	1641.5
22.5°	1806.4	1814.6	1771.8	1719.0	1643.2	1582.2	1544.3	1506.4	1499.8	1504.8	1504.8
25°	1307.0	1307.0	1292.1	1250.9	1267.4	1274.0	1318.5	1414.1	1394.3	1412.5	1410.8
27.5°	1127.3	1133.9	1104.3	1068.0	1030.1	985.6	977.3	969.1	960.9	998.8	1012.0
30°	995.5	998.8	974.1	949.3	918.0	893.3	886.7	886.7	878.5	908.1	906.5
32.5°	870.2	865.3	858.7	835.6	815.8	794.4	799.3	796.1	796.1	822.4	824.1
35°	771.3	769.7	764.7	748.3	728.5	712.0	716.9	720.2	718.6	735.1	735.1
37.5°	698.8	700.5	697.2	690.6	670.8	657.6	660.9	657.6	662.6	674.1	674.1
40°	627.9	627.9	629.6	627.9	614.8	609.8	619.7	614.8	626.3	634.5	631.2
42.5°	560.4	562.0	565.3	562.0	553.8	548.8	553.8	555.4	571.9	583.4	581.8
45°	517.5	517.5	519.2	517.5	510.9	506.0	506.0	501.0	512.6	519.2	517.5
47.5°	489.5	489.5	492.8	491.1	487.8	482.9	479.6	473.0	478.0	482.9	478.0
50°	479.6	479.6	486.2	486.2	484.6	479.6	474.7	466.4	468.1	471.4	464.8
52.5°	494.4	494.4	506.0	510.9	510.9	502.7	496.1	484.6	484.6	487.8	478.0
55°	525.8	525.8	543.9	553.8	555.4	555.4	547.2	535.6	537.3	543.9	534.0
57.5°	514.2	515.9	530.7	543.9	552.1	557.1	557.1	550.5	555.4	571.9	567.0
60°	459.8	463.1	473.0	484.6	499.4	504.3	504.3	502.7	510.9	530.7	530.7
62.5°	408.7	410.4	415.3	425.2	433.5	436.8	436.8	430.2	440.1	449.9	446.6
65°	369.2	367.5	377.4	385.7	390.6	395.6	390.6	384.0	389.0	395.6	393.9
67.5°	336.2	336.2	344.5	351.1	354.4	359.3	356.0	352.7	359.3	362.6	359.3
70°	304.9	306.6	313.1	318.1	321.4	326.3	321.4	319.7	326.3	329.6	328.0
72.5°	273.6	275.2	280.2	286.8	290.1	291.7	290.1	288.4	293.4	296.7	296.7
75°	245.6	247.2	250.5	257.1	257.1	260.4	258.8	257.1	262.1	265.4	265.4
77.5°	219.2	222.5	224.1	229.1	230.7	232.4	230.7	230.7	234.0	237.3	239.0
80°	196.1	197.8	199.4	204.4	204.4	206.0	204.4	204.4	207.7	212.6	212.6
82.5°	174.7	176.4	178.0	181.3	179.6	181.3	181.3	181.3	184.6	189.5	189.5
85°	153.3	156.6	156.6	159.9	159.9	159.9	159.9	161.5	163.2	168.1	168.1
87.5°	135.1	136.8	138.4	140.1	140.1	141.7	141.7	143.4	145.0	148.3	150.0
90°	117.0	118.7	120.3	120.3	120.3	122.0	122.0	123.6	125.3	128.6	130.2
92.5°	103.8	105.5	105.5	107.1	107.1	107.1	108.8	110.4	112.1	115.4	115.4
95°	92.3	93.9	93.9	93.9	93.9	95.6	95.6	97.2	98.9	102.2	102.2
97.5°	82.4	82.4	82.4	82.4	82.4	84.1	84.1	85.7	87.4	89.0	89.0
100°	72.5	72.5	72.5	72.5	72.5	72.5	72.5	74.2	74.2	77.5	77.5
102.5°	64.3	64.3	62.6	62.6	62.6	61.0	61.0	62.6	62.6	64.3	64.3
105°	57.7	57.7	57.7	57.7	56.0	56.0	56.0	56.0	56.0	57.7	57.7
107.5°	56.0	56.0	54.4	54.4	54.4	52.7	52.7	52.7	52.7	54.4	54.4
110°	54.4	54.4	54.4	54.4	52.7	52.7	51.1	51.1	51.1	52.7	52.7



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	56.0	56.0	56.0	54.4	54.4	52.7	52.7	52.7	52.7	52.7	54.4
115°	59.3	57.7	57.7	57.7	57.7	56.0	54.4	54.4	56.0	56.0	56.0
117.5°	64.3	62.6	62.6	64.3	62.6	61.0	59.3	59.3	61.0	61.0	62.6
120°	70.9	69.2	70.9	70.9	70.9	69.2	67.6	65.9	67.6	69.2	69.2
122.5°	79.1	77.5	79.1	80.8	80.8	79.1	75.8	75.8	77.5	79.1	80.8
125°	89.0	89.0	90.6	92.3	93.9	90.6	89.0	87.4	90.6	92.3	92.3
127.5°	100.5	98.9	102.2	107.1	108.8	105.5	102.2	100.5	103.8	107.1	107.1
130°	112.1	110.4	115.4	120.3	123.6	120.3	117.0	115.4	118.7	122.0	122.0
132.5°	122.0	120.3	126.9	133.5	136.8	135.1	131.9	128.6	133.5	136.8	135.1
135°	130.2	130.2	138.4	145.0	148.3	146.7	143.4	140.1	146.7	150.0	146.7
137.5°	135.1	135.1	145.0	151.6	154.9	154.9	153.3	150.0	156.6	158.2	153.3
140°	135.1	136.8	145.0	151.6	153.3	154.9	154.9	153.3	159.9	159.9	154.9
142.5°	130.2	131.9	140.1	146.7	148.3	150.0	151.6	150.0	154.9	154.9	151.6
145°	122.0	123.6	131.9	138.4	138.4	140.1	143.4	141.7	145.0	146.7	143.4
147.5°	110.4	112.1	118.7	122.0	123.6	126.9	130.2	130.2	131.9	133.5	131.9
150°	95.6	95.6	100.5	103.8	105.5	108.8	112.1	113.7	113.7	115.4	113.7
152.5°	75.8	75.8	79.1	82.4	84.1	89.0	90.6	92.3	93.9	95.6	93.9
155°	57.7	57.7	59.3	61.0	62.6	67.6	69.2	70.9	72.5	74.2	72.5
157.5°	41.2	41.2	42.9	44.5	46.1	49.4	51.1	52.7	52.7	54.4	54.4
160°	26.4	28.0	28.0	29.7	29.7	33.0	34.6	34.6	36.3	37.9	37.9
162.5°	13.2	14.8	14.8	16.5	18.1	19.8	21.4	21.4	23.1	23.1	23.1
165°	3.3	4.9	4.9	6.6	6.6	8.2	9.9	9.9	11.5	11.5	11.5
167.5°	0.0	1.6	1.6	1.6	1.6	1.6	1.6	3.3	3.3	3.3	3.3
170°	0.0	0.0	0.0	0.0	1.6	0.0	0.0	1.6	1.6	1.6	1.6
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):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	178°	180°
0°	4868.6	4868.6	4868.6	4868.6	4868.6	4868.6	4868.6	4868.6	4868.6	4868.6	4868.6
2.5°	4412.1	4408.8	4499.4	4571.9	4657.6	4725.2	4791.1	4853.8	4878.5	4876.8	4878.5
5°	3830.3	3888.0	4006.6	4123.6	4262.1	4392.3	4514.3	4595.0	4646.1	4646.1	4651.1
7.5°	3246.8	3339.1	3485.8	3672.1	3879.7	4049.5	4255.5	4400.5	4515.9	4512.6	4534.0
10°	2622.2	2694.7	2841.4	3040.8	3269.9	3466.0	3645.7	3780.8	3892.9	3886.3	3914.3
12.5°	2154.1	2205.2	2332.1	2513.4	2722.7	2912.3	3088.6	3194.1	3273.2	3271.6	3286.4
15°	1878.9	1931.6	2014.0	2139.3	2312.3	2480.5	2656.8	2752.4	2796.9	2791.9	2816.7
17.5°	1766.8	1788.2	1839.3	1923.4	2048.6	2185.4	2325.5	2407.9	2459.0	2452.4	2470.6
20°	1646.5	1666.3	1700.9	1763.5	1852.5	1956.3	2075.0	2165.7	2203.6	2201.9	2213.5
22.5°	1508.0	1517.9	1555.8	1605.3	1669.6	1753.6	1844.3	1926.7	1964.6	1962.9	1974.5
25°	1412.5	1428.9	1452.0	1481.7	1526.2	1592.1	1667.9	1725.6	1760.2	1756.9	1771.8
27.5°	1031.7	1048.2	1059.8	1077.9	1079.5	1133.9	1160.3	1208.1	1239.4	1237.8	1247.6
30°	906.5	909.8	919.7	944.4	959.2	1002.1	1054.8	1091.1	1117.4	1127.3	1133.9
32.5°	827.4	837.3	848.8	860.3	878.5	904.8	946.0	979.0	1007.0	1012.0	1023.5
35°	736.7	743.3	751.6	763.1	774.6	796.1	827.4	853.7	875.2	883.4	890.0
37.5°	672.4	674.1	682.3	695.5	705.4	723.5	751.6	771.3	792.8	794.4	801.0
40°	629.6	631.2	639.5	651.0	662.6	674.1	698.8	716.9	731.8	733.4	738.4
42.5°	580.1	585.1	588.4	593.3	601.6	611.5	632.9	642.8	652.7	654.3	660.9
45°	512.6	514.2	517.5	522.5	532.3	542.2	557.1	568.6	575.2	575.2	573.6
47.5°	474.7	476.3	476.3	482.9	491.1	501.0	514.2	524.1	527.4	527.4	527.4
50°	461.5	461.5	458.2	463.1	471.4	478.0	491.1	499.4	501.0	502.7	504.3
52.5°	471.4	468.1	458.2	463.1	471.4	478.0	491.1	494.4	494.4	497.7	499.4
55°	525.8	520.8	501.0	504.3	514.2	522.5	532.3	534.0	537.3	542.2	540.6
57.5°	560.4	563.7	540.6	545.5	563.7	570.3	581.8	580.1	586.7	593.3	595.0
60°	527.4	537.3	519.2	525.8	547.2	550.5	562.0	555.4	565.3	565.3	565.3
62.5°	448.3	451.6	441.7	451.6	471.4	471.4	479.6	474.7	478.0	474.7	476.3
65°	392.3	390.6	379.1	392.3	398.8	402.1	408.7	410.4	410.4	407.1	407.1
67.5°	357.6	354.4	344.5	347.8	354.4	356.0	365.9	367.5	365.9	365.9	367.5
70°	326.3	321.4	311.5	313.1	318.1	319.7	328.0	331.3	329.6	328.0	329.6
72.5°	295.0	290.1	280.2	280.2	285.1	288.4	295.0	298.3	295.0	295.0	296.7
75°	265.4	260.4	250.5	250.5	253.8	255.5	263.7	265.4	263.7	262.1	263.7
77.5°	239.0	235.7	225.8	225.8	227.4	229.1	234.0	235.7	234.0	232.4	234.0
80°	214.3	209.3	202.7	201.1	202.7	202.7	207.7	209.3	206.0	206.0	207.7
82.5°	191.2	186.2	179.6	179.6	178.0	179.6	182.9	184.6	182.9	181.3	182.9
85°	169.8	166.5	159.9	158.2	158.2	158.2	161.5	161.5	159.9	159.9	159.9
87.5°	150.0	146.7	140.1	140.1	138.4	140.1	141.7	141.7	140.1	140.1	140.1
90°	130.2	126.9	122.0	122.0	120.3	122.0	123.6	123.6	122.0	122.0	122.0
92.5°	115.4	113.7	108.8	108.8	107.1	108.8	108.8	108.8	107.1	107.1	107.1
95°	102.2	100.5	97.2	95.6	95.6	95.6	95.6	95.6	93.9	93.9	93.9
97.5°	89.0	87.4	84.1	84.1	82.4	84.1	84.1	84.1	82.4	82.4	82.4
100°	77.5	75.8	74.2	74.2	72.5	72.5	72.5	72.5	72.5	72.5	72.5
102.5°	64.3	64.3	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
105°	57.7	57.7	57.7	57.7	59.3	59.3	59.3	57.7	57.7	57.7	57.7
107.5°	54.4	54.4	54.4	56.0	56.0	56.0	57.7	54.4	52.7	52.7	52.7
110°	52.7	52.7	54.4	54.4	56.0	56.0	57.7	51.1	49.4	49.4	49.4



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CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	178°	180°
112.5°	54.4	54.4	54.4	56.0	57.7	57.7	59.3	51.1	49.4	49.4	49.4
115°	57.7	57.7	57.7	59.3	61.0	62.6	62.6	54.4	51.1	51.1	52.7
117.5°	62.6	62.6	62.6	64.3	67.6	67.6	67.6	57.7	56.0	56.0	56.0
120°	69.2	70.9	70.9	72.5	75.8	77.5	74.2	65.9	56.0	61.0	61.0
122.5°	79.1	80.8	82.4	84.1	89.0	89.0	84.1	75.8	61.0	67.6	69.2
125°	92.3	93.9	95.6	98.9	103.8	103.8	97.2	85.7	69.2	75.8	77.5
127.5°	105.5	108.8	110.4	115.4	122.0	122.0	113.7	98.9	77.5	82.4	84.1
130°	120.3	123.6	126.9	133.5	141.7	138.4	131.9	112.1	84.1	87.4	87.4
132.5°	133.5	138.4	140.1	150.0	158.2	154.9	146.7	120.3	87.4	87.4	85.7
135°	143.4	146.7	148.3	158.2	166.5	161.5	151.6	123.6	85.7	82.4	82.4
137.5°	150.0	153.3	154.9	161.5	168.1	159.9	146.7	117.0	82.4	80.8	79.1
140°	153.3	153.3	153.3	158.2	161.5	151.6	135.1	105.5	74.2	77.5	77.5
142.5°	150.0	148.3	146.7	150.0	151.6	140.1	125.3	93.9	67.6	70.9	70.9
145°	141.7	138.4	136.8	138.4	138.4	125.3	108.8	80.8	59.3	61.0	61.0
147.5°	130.2	125.3	122.0	122.0	120.3	107.1	92.3	67.6	51.1	49.4	49.4
150°	112.1	107.1	103.8	103.8	98.9	87.4	74.2	52.7	41.2	41.2	41.2
152.5°	92.3	87.4	84.1	84.1	79.1	67.6	56.0	39.6	31.3	31.3	31.3
155°	72.5	67.6	64.3	62.6	59.3	51.1	41.2	29.7	23.1	23.1	23.1
157.5°	54.4	51.1	47.8	46.1	42.9	37.9	29.7	21.4	14.8	16.5	16.5
160°	37.9	34.6	33.0	31.3	29.7	24.7	19.8	13.2	8.2	8.2	8.2
162.5°	23.1	21.4	21.4	19.8	18.1	16.5	11.5	6.6	3.3	3.3	3.3
165°	11.5	11.5	9.9	9.9	8.2	6.6	4.9	1.6	0.0	0.0	0.0
167.5°	3.3	3.3	3.3	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0
170°	1.6	1.6	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)