

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: P691246

Luminaire Tested: **CRTK2-C015-5TLD-U-T3-7050-RMARROA5**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691246
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-15)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C015-STLD-U-T3-7050-RMARROA5
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 5000K LED WITH TYPE III OPTIC AND NEMA REFRACTOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4150 lumens
Efficiency: N/A
Efficacy: 126.9 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.54')
IES Classification: Type I - Short
BUG Rating: B2 - U3 - G2

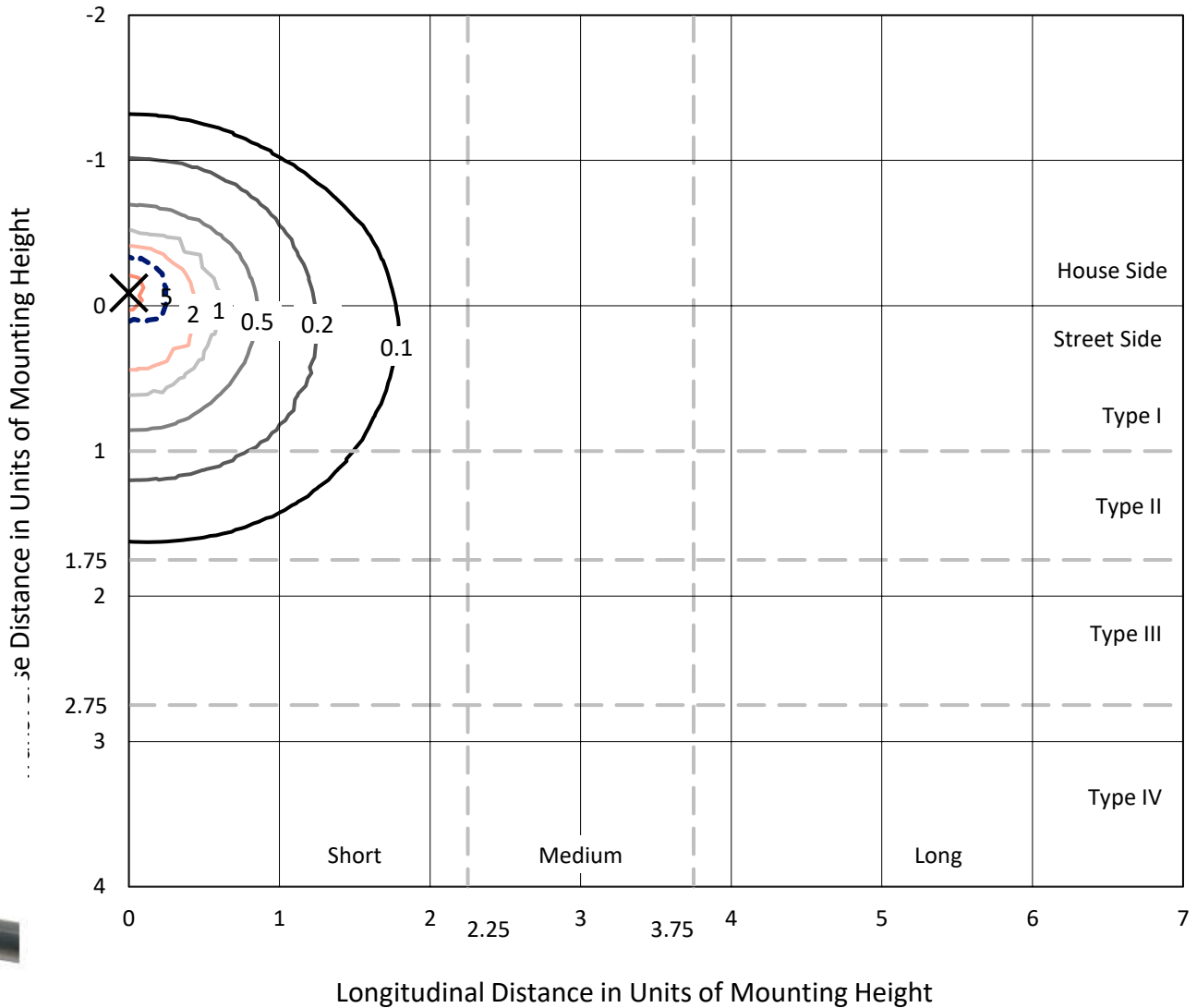
Input Watts (W): 32.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

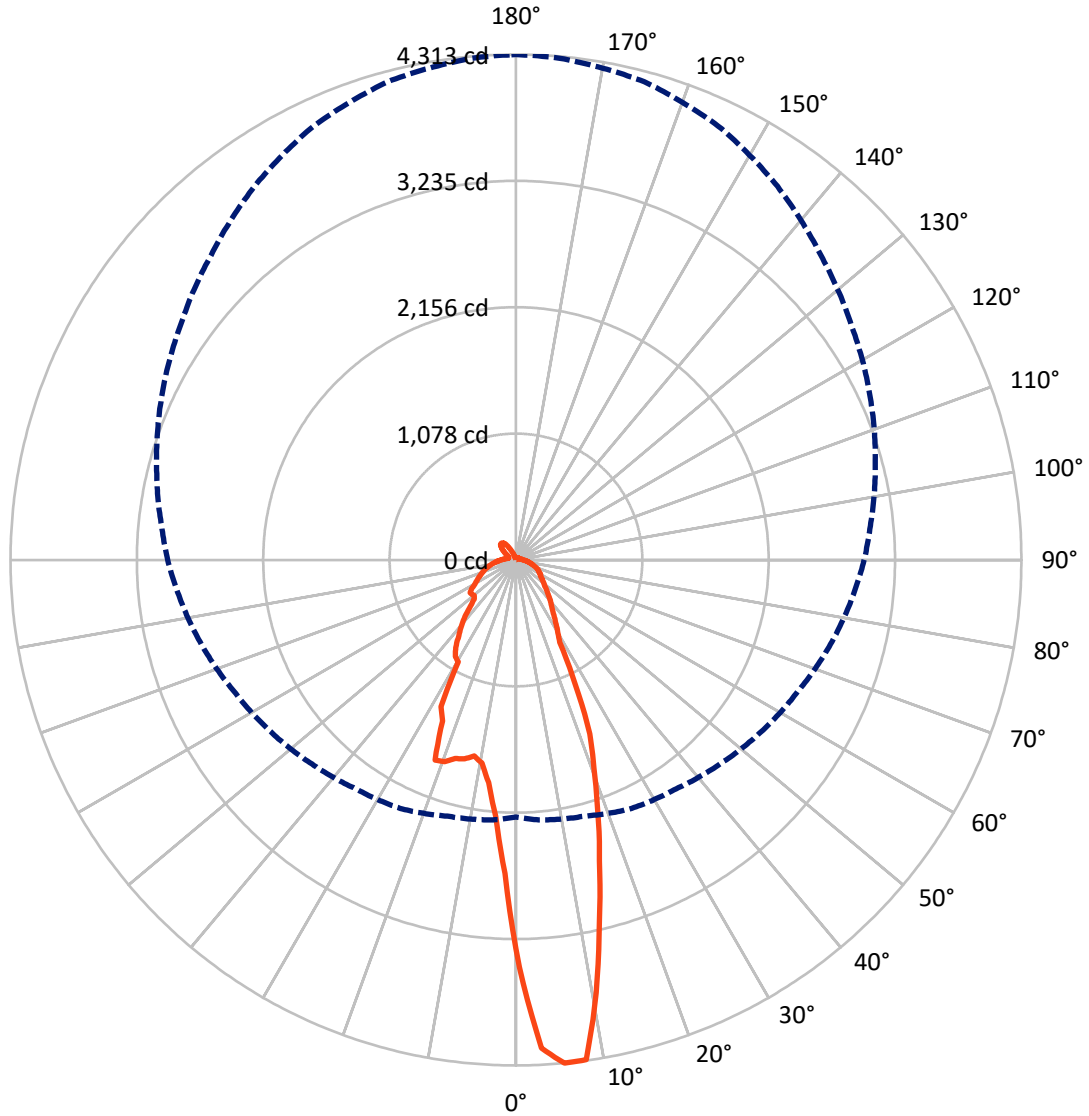
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.7 fc
 Type I - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 180-Deg Lateral - - - Horizontal Cone Through 5-Deg Vertical

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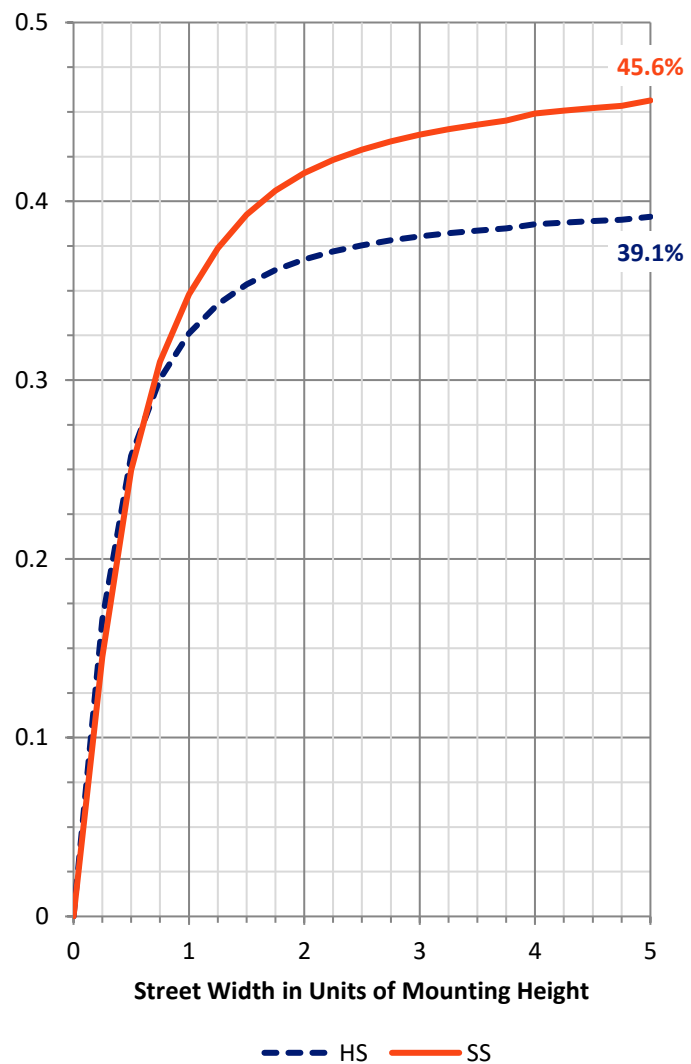
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1668.0	178.8	1846.8
	% Fixture	40.2	4.3	44.5
Street Side	Lumens	1946.5	356.7	2303.2
	% Fixture	46.9	8.6	55.5
Total	Lumens	3614.4	535.6	4150.0
	% Fixture	87.1	12.9	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	279.0	6.7
10°-20°	598.3	14.4
20°-30°	658.7	15.9
30°-40°	484.1	11.7
40°-50°	405.6	9.8
50°-60°	406.9	9.8
60°-70°	348.5	8.4
70°-80°	259.7	6.3
80°-90°	173.7	4.2
90°-100°	103.2	2.5
100°-110°	59.9	1.4
110°-120°	55.7	1.3
120°-130°	80.8	1.9
130°-140°	108.8	2.6
140°-150°	88.1	2.1
150°-160°	34.8	0.8
160°-170°	4.2	0.1
170°-180°	0.0	0.0
0°-90°	3614.4	87.1
0°-180°	4150.0	100.0

Coefficient of Utilization



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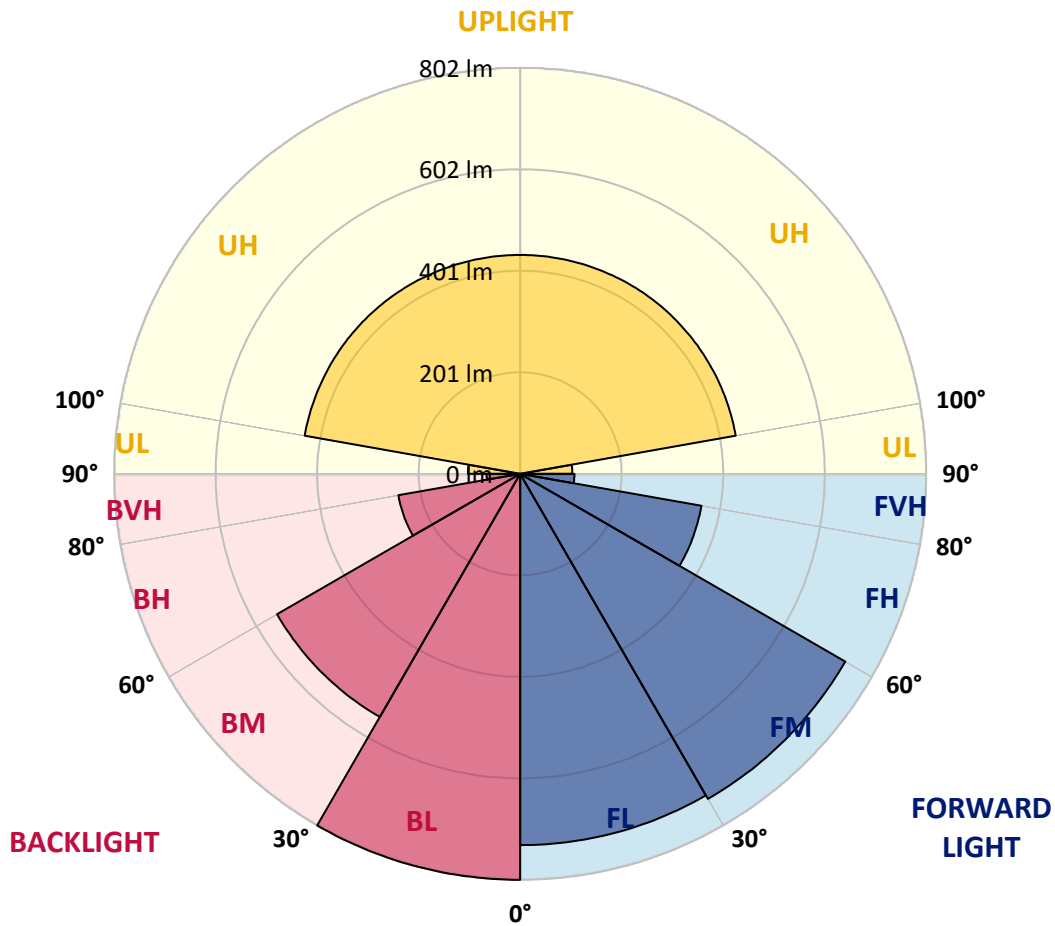
CATALOG NUMBER: CRTK2-C015-5TLD-U-T3-7050-RMARROA5

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	733.7	17.7			
FM (30°-60°)	741.8	17.9			
FH (60°-80°)	363.7	8.8			G0/660
FVH (80°-90°)	107.2	2.6			G2/225
BL (0°-30°)	802.2	19.3	B2/1000		
BM (30°-60°)	554.8	13.4	B1/1000		
BH (60°-80°)	244.5	5.9	B1/500		G1/500
BVH (80°-90°)	66.5	1.6			G1/100
UL (90°-100°)	103.2	2.5		U3/500	
UH (100°-180°)	432.4	10.4		U3/500	

BUG Rating: B2-U3-G2

Type I Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3473.9	3473.9	3473.9	3473.9	3473.9	3473.9	3473.9	3473.9	3473.9	3473.9	3473.9
2.5°	2676.3	2715.9	2735.7	2795.0	2814.8	2852.7	2910.3	2968.0	3065.2	3137.8	3193.8
5°	2193.5	2226.4	2262.7	2338.5	2383.0	2462.1	2554.4	2653.3	2778.5	2905.4	2971.3
7.5°	1911.7	1919.9	1972.6	2064.9	2145.7	2229.7	2330.2	2415.9	2501.6	2605.5	2671.4
10°	1756.7	1768.3	1802.9	1873.8	1943.0	2012.2	2091.3	2157.2	2244.6	2331.9	2371.4
12.5°	1710.6	1715.6	1745.2	1786.4	1830.9	1875.4	1936.4	1995.7	2073.2	2149.0	2175.3
15°	1751.8	1751.8	1756.7	1773.2	1796.3	1830.9	1877.1	1928.1	1999.0	2055.0	2083.1
17.5°	1771.6	1773.2	1786.4	1789.7	1811.1	1826.0	1867.2	1906.7	1974.3	2020.4	2035.3
20°	1824.3	1824.3	1826.0	1834.2	1837.5	1845.7	1863.9	1885.3	1941.3	1966.0	1962.7
22.5°	1840.8	1834.2	1860.6	1908.4	1906.7	1908.4	1891.9	1896.8	1928.1	1918.3	1895.2
25°	1511.2	1503.0	1532.6	1562.3	1605.1	1659.5	1794.7	1900.1	1939.7	1908.4	1857.3
27.5°	1405.7	1369.5	1361.2	1290.4	1226.1	1120.6	1110.7	1044.8	1038.2	1079.4	1117.3
30°	998.7	1000.3	998.7	992.1	987.1	992.1	997.0	985.5	988.8	1015.2	1003.6
32.5°	974.0	974.0	967.4	964.1	949.2	944.3	936.1	914.6	917.9	937.7	932.8
35°	908.0	904.7	906.4	898.2	871.8	850.4	847.1	828.9	828.9	840.5	835.5
37.5°	809.2	804.2	824.0	822.3	800.9	792.7	784.4	772.9	772.9	782.8	772.9
40°	731.7	728.4	749.8	756.4	743.2	746.5	748.2	738.3	748.2	749.8	736.6
42.5°	649.3	647.7	665.8	664.1	652.6	651.0	649.3	642.7	659.2	672.4	662.5
45°	552.1	547.1	560.3	565.3	562.0	557.0	555.4	555.4	565.3	571.9	562.0
47.5°	487.8	489.5	499.3	510.9	514.2	517.5	515.8	512.5	519.1	520.8	512.5
50°	466.4	468.0	482.9	496.0	505.9	512.5	512.5	507.6	512.5	507.6	496.0
52.5°	476.3	476.3	496.0	515.8	532.3	543.8	545.5	538.9	538.9	525.7	507.6
55°	479.6	482.9	509.2	542.2	571.9	603.2	618.0	613.0	618.0	590.0	560.3
57.5°	448.3	456.5	482.9	522.4	562.0	611.4	642.7	646.0	644.4	619.6	583.4
60°	407.1	413.6	431.8	466.4	504.3	543.8	575.1	581.7	588.3	576.8	543.8
62.5°	379.0	382.3	397.2	421.9	448.3	469.7	481.2	479.6	486.2	482.9	458.1
65°	354.3	356.0	372.4	392.2	408.7	430.1	433.4	433.4	438.4	431.8	412.0
67.5°	327.9	327.9	341.1	359.3	379.0	397.2	402.1	403.8	410.3	403.8	388.9
70°	304.9	304.9	316.4	331.2	346.1	364.2	369.1	370.8	379.0	370.8	356.0
72.5°	283.5	283.5	293.3	306.5	319.7	334.5	339.5	341.1	347.7	339.5	327.9
75°	260.4	262.0	270.3	281.8	293.3	306.5	313.1	313.1	318.1	308.2	298.3
77.5°	237.3	239.0	247.2	257.1	267.0	280.2	283.5	285.1	290.0	280.2	270.3
80°	214.2	217.5	224.1	232.4	242.3	252.1	258.7	258.7	262.0	252.1	245.5
82.5°	192.8	196.1	201.1	207.6	217.5	227.4	234.0	234.0	235.7	227.4	219.2
85°	171.4	174.7	179.6	184.6	192.8	202.7	209.3	209.3	210.9	202.7	196.1
87.5°	151.6	154.9	158.2	163.2	169.7	179.6	186.2	186.2	186.2	179.6	173.0
90°	131.8	133.5	136.8	141.7	148.3	156.6	161.5	163.2	163.2	154.9	151.6
92.5°	117.0	117.0	120.3	123.6	130.2	136.8	141.7	143.4	143.4	138.4	133.5
95°	100.5	102.2	103.8	107.1	112.1	117.0	123.6	123.6	123.6	120.3	117.0
97.5°	89.0	87.3	89.0	90.6	95.6	98.9	103.8	105.5	105.5	102.2	100.5
100°	75.8	77.5	77.5	79.1	80.8	82.4	85.7	87.3	87.3	85.7	85.7
102.5°	70.9	69.2	69.2	69.2	69.2	69.2	70.9	70.9	72.5	70.9	69.2
105°	65.9	65.9	65.9	65.9	64.3	64.3	64.3	64.3	62.6	61.0	61.0
107.5°	64.3	64.3	64.3	64.3	62.6	62.6	61.0	61.0	59.3	57.7	56.0
110°	64.3	64.3	64.3	64.3	62.6	61.0	61.0	59.3	57.7	56.0	54.4



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	67.6	67.6	67.6	67.6	64.3	62.6	61.0	61.0	57.7	56.0	54.4
115°	74.2	74.2	72.5	72.5	70.9	67.6	65.9	64.3	62.6	59.3	57.7
117.5°	80.8	80.8	80.8	80.8	79.1	75.8	72.5	70.9	69.2	64.3	62.6
120°	92.3	92.3	92.3	93.9	90.6	87.3	84.0	80.8	79.1	74.2	70.9
122.5°	107.1	105.5	108.8	110.4	108.8	103.8	98.9	95.6	92.3	85.7	82.4
125°	122.0	122.0	125.2	130.2	130.2	125.2	118.7	113.7	110.4	100.5	95.6
127.5°	140.1	140.1	145.0	153.3	154.9	150.0	143.4	136.8	131.8	118.7	113.7
130°	156.6	156.6	166.4	176.3	181.3	176.3	169.7	161.5	154.9	140.1	131.8
132.5°	169.7	171.4	182.9	196.1	202.7	201.1	192.8	186.2	179.6	161.5	151.6
135°	182.9	184.6	197.8	214.2	222.5	222.5	215.9	207.6	199.4	179.6	168.1
137.5°	189.5	191.2	207.6	224.1	234.0	237.3	234.0	225.8	217.5	196.1	181.3
140°	189.5	192.8	209.3	225.8	235.7	240.6	240.6	232.4	224.1	204.3	189.5
142.5°	184.6	187.9	202.7	219.2	229.1	235.7	237.3	230.7	222.5	202.7	187.9
145°	174.7	176.3	191.2	206.0	215.9	224.1	227.4	222.5	212.6	196.1	181.3
147.5°	158.2	158.2	171.4	182.9	196.1	204.3	209.3	206.0	197.8	182.9	169.7
150°	135.1	135.1	145.0	156.6	168.1	178.0	182.9	182.9	174.7	163.2	150.0
152.5°	107.1	108.8	115.4	125.2	136.8	145.0	151.6	151.6	146.7	136.8	125.2
155°	82.4	82.4	87.3	93.9	103.8	112.1	117.0	117.0	113.7	105.5	98.9
157.5°	59.3	59.3	62.6	69.2	75.8	82.4	87.3	87.3	84.0	79.1	74.2
160°	39.6	39.6	41.2	46.1	51.1	56.0	59.3	61.0	59.3	56.0	51.1
162.5°	21.4	21.4	23.1	26.4	29.7	34.6	36.3	37.9	37.9	34.6	33.0
165°	6.6	6.6	6.6	9.9	11.5	14.8	16.5	18.1	18.1	18.1	16.5
167.5°	1.6	1.6	1.6	1.6	1.6	1.6	3.3	4.9	4.9	4.9	4.9
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	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):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	179°	180°
0°	3473.9	3473.9	3473.9	3473.9	3473.9	3473.9	3473.9	3473.9	3473.9	3473.9	3473.9
2.5°	3246.5	3368.5	3503.6	3642.0	3783.8	3917.3	4029.3	4118.3	4166.1	4177.6	4171.0
5°	3030.6	3174.0	3332.2	3493.7	3678.3	3890.9	4085.3	4225.4	4297.9	4309.5	4312.8
7.5°	2722.5	2847.7	3002.6	3188.8	3421.2	3648.6	3948.6	4157.9	4274.9	4306.2	4306.2
10°	2397.8	2508.2	2605.5	2768.6	2971.3	3183.9	3439.3	3632.2	3750.8	3788.7	3755.8
12.5°	2214.9	2262.7	2328.6	2448.9	2575.8	2737.3	2958.1	3083.4	3160.8	3183.9	3164.1
15°	2097.9	2122.6	2150.6	2201.7	2290.7	2391.2	2521.4	2598.9	2646.7	2674.7	2664.8
17.5°	2041.9	2041.9	2036.9	2048.4	2071.5	2117.7	2206.6	2234.7	2256.1	2267.6	2261.0
20°	1956.2	1929.8	1908.4	1875.4	1862.2	1860.6	1882.0	1911.7	1910.0	1911.7	1898.5
22.5°	1870.5	1816.1	1763.3	1713.9	1657.9	1629.9	1610.1	1620.0	1611.7	1620.0	1611.7
25°	1829.3	1718.8	1613.4	1493.1	1392.5	1315.1	1264.0	1232.7	1180.0	1199.7	1181.6
27.5°	1135.5	1089.3	1044.8	955.8	871.8	842.1	817.4	804.2	794.3	799.3	796.0
30°	983.8	945.9	911.3	865.2	800.9	761.4	731.7	705.3	697.1	698.7	697.1
32.5°	913.0	883.3	840.5	792.7	735.0	685.6	651.0	626.2	613.0	621.3	614.7
35°	817.4	787.7	751.5	707.0	657.5	613.0	580.1	557.0	542.2	545.5	543.8
37.5°	754.8	726.8	695.4	647.7	604.8	562.0	529.0	505.9	491.1	494.4	491.1
40°	718.5	687.2	654.2	611.4	568.6	524.1	492.7	466.4	451.5	451.5	451.5
42.5°	644.4	619.6	591.6	547.1	509.2	471.3	440.0	420.2	403.8	405.4	402.1
45°	550.4	532.3	510.9	481.2	449.9	420.2	393.9	379.0	365.9	367.5	365.9
47.5°	502.6	486.2	461.4	438.4	410.3	384.0	360.9	342.8	332.9	334.5	331.2
50°	484.5	464.7	436.7	405.4	379.0	352.7	329.6	316.4	306.5	308.2	306.5
52.5°	491.1	459.8	420.2	382.3	351.0	324.7	306.5	291.7	285.1	286.7	283.5
55°	533.9	479.6	420.2	372.4	332.9	303.2	285.1	268.6	262.0	262.0	262.0
57.5°	548.8	489.5	415.3	360.9	318.1	288.4	267.0	250.5	243.9	243.9	243.9
60°	514.2	463.1	395.5	344.4	304.9	276.9	258.7	247.2	242.3	242.3	242.3
62.5°	440.0	407.1	356.0	314.8	285.1	260.4	242.3	227.4	222.5	220.8	220.8
65°	398.8	367.5	324.7	290.0	263.7	243.9	227.4	215.9	209.3	209.3	209.3
67.5°	372.4	342.8	303.2	270.3	245.5	224.1	209.3	197.8	194.5	192.8	192.8
70°	342.8	314.8	275.2	245.5	222.5	204.3	189.5	179.6	176.3	176.3	174.7
72.5°	313.1	286.7	248.8	220.8	199.4	182.9	169.7	161.5	158.2	156.6	156.6
75°	285.1	258.7	224.1	197.8	178.0	163.2	151.6	143.4	140.1	140.1	140.1
77.5°	258.7	234.0	201.1	176.3	159.9	145.0	135.1	128.5	125.2	125.2	125.2
80°	234.0	209.3	179.6	156.6	140.1	128.5	120.3	113.7	110.4	112.1	110.4
82.5°	207.6	187.9	159.9	138.4	125.2	113.7	105.5	100.5	97.2	98.9	97.2
85°	186.2	166.4	140.1	122.0	108.8	98.9	92.3	87.3	84.0	85.7	84.0
87.5°	164.8	146.7	123.6	107.1	95.6	87.3	79.1	75.8	74.2	74.2	72.5
90°	141.7	125.2	105.5	92.3	80.8	74.2	67.6	64.3	62.6	61.0	61.0
92.5°	125.2	112.1	93.9	82.4	72.5	67.6	61.0	57.7	56.0	56.0	56.0
95°	110.4	98.9	84.0	74.2	67.6	61.0	56.0	54.4	52.7	52.7	51.1
97.5°	95.6	85.7	75.8	67.6	61.0	56.0	51.1	49.4	47.8	47.8	47.8
100°	80.8	74.2	65.9	59.3	54.4	51.1	46.1	44.5	42.8	42.8	42.8
102.5°	67.6	62.6	56.0	51.1	47.8	44.5	41.2	39.6	37.9	37.9	37.9
105°	59.3	54.4	51.1	46.1	42.8	39.6	37.9	34.6	33.0	33.0	33.0
107.5°	54.4	51.1	47.8	44.5	41.2	37.9	34.6	31.3	29.7	29.7	29.7
110°	52.7	49.4	46.1	42.8	39.6	36.3	34.6	29.7	28.0	28.0	28.0



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CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	179°	180°
112.5°	52.7	51.1	47.8	44.5	41.2	37.9	34.6	28.0	26.4	26.4	26.4
115°	56.0	52.7	49.4	46.1	42.8	39.6	36.3	28.0	26.4	26.4	26.4
117.5°	61.0	57.7	52.7	49.4	46.1	41.2	36.3	29.7	26.4	26.4	26.4
120°	69.2	64.3	59.3	54.4	49.4	44.5	37.9	29.7	24.7	26.4	26.4
122.5°	79.1	74.2	65.9	59.3	54.4	47.8	39.6	31.3	24.7	26.4	26.4
125°	92.3	85.7	75.8	67.6	59.3	51.1	41.2	31.3	24.7	26.4	28.0
127.5°	107.1	97.2	85.7	74.2	64.3	54.4	44.5	33.0	24.7	28.0	28.0
130°	123.6	112.1	97.2	82.4	70.9	57.7	46.1	33.0	26.4	26.4	26.4
132.5°	141.7	125.2	105.5	89.0	74.2	59.3	46.1	33.0	26.4	26.4	26.4
135°	154.9	135.1	113.7	93.9	77.5	61.0	47.8	33.0	24.7	24.7	24.7
137.5°	166.4	143.4	120.3	97.2	79.1	61.0	46.1	31.3	24.7	23.1	23.1
140°	173.0	146.7	120.3	97.2	77.5	59.3	42.8	29.7	21.4	21.4	21.4
142.5°	173.0	145.0	118.7	93.9	72.5	56.0	41.2	26.4	19.8	19.8	19.8
145°	166.4	138.4	112.1	89.0	67.6	51.1	36.3	24.7	18.1	18.1	18.1
147.5°	154.9	126.9	102.2	80.8	59.3	44.5	31.3	19.8	14.8	14.8	14.8
150°	138.4	112.1	89.0	69.2	51.1	36.3	26.4	16.5	11.5	11.5	11.5
152.5°	115.4	93.9	72.5	57.7	41.2	29.7	19.8	13.2	9.9	9.9	9.9
155°	90.6	74.2	57.7	44.5	31.3	21.4	14.8	9.9	6.6	6.6	6.6
157.5°	69.2	56.0	42.8	33.0	23.1	16.5	11.5	6.6	4.9	4.9	4.9
160°	47.8	37.9	29.7	23.1	14.8	11.5	8.2	4.9	3.3	3.3	3.3
162.5°	31.3	24.7	18.1	13.2	9.9	6.6	4.9	3.3	1.6	1.6	1.6
165°	14.8	11.5	9.9	6.6	4.9	3.3	1.6	1.6	0.0	0.0	0.0
167.5°	4.9	3.3	3.3	1.6	1.6	1.6	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

(END OF REPORT)