

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: P691238

Luminaire Tested: **CRTK2-C015-5TLD-U-T3-7040-RMARROA5**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691238
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-C015-5TLD-U-T3-7040-RMARROA5
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 4000K LED WITH TYPE III OPTIC AND NEMA REFRACTOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4102 lumens
Efficiency: N/A
Efficacy: 125.4 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 (A_{in}): 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



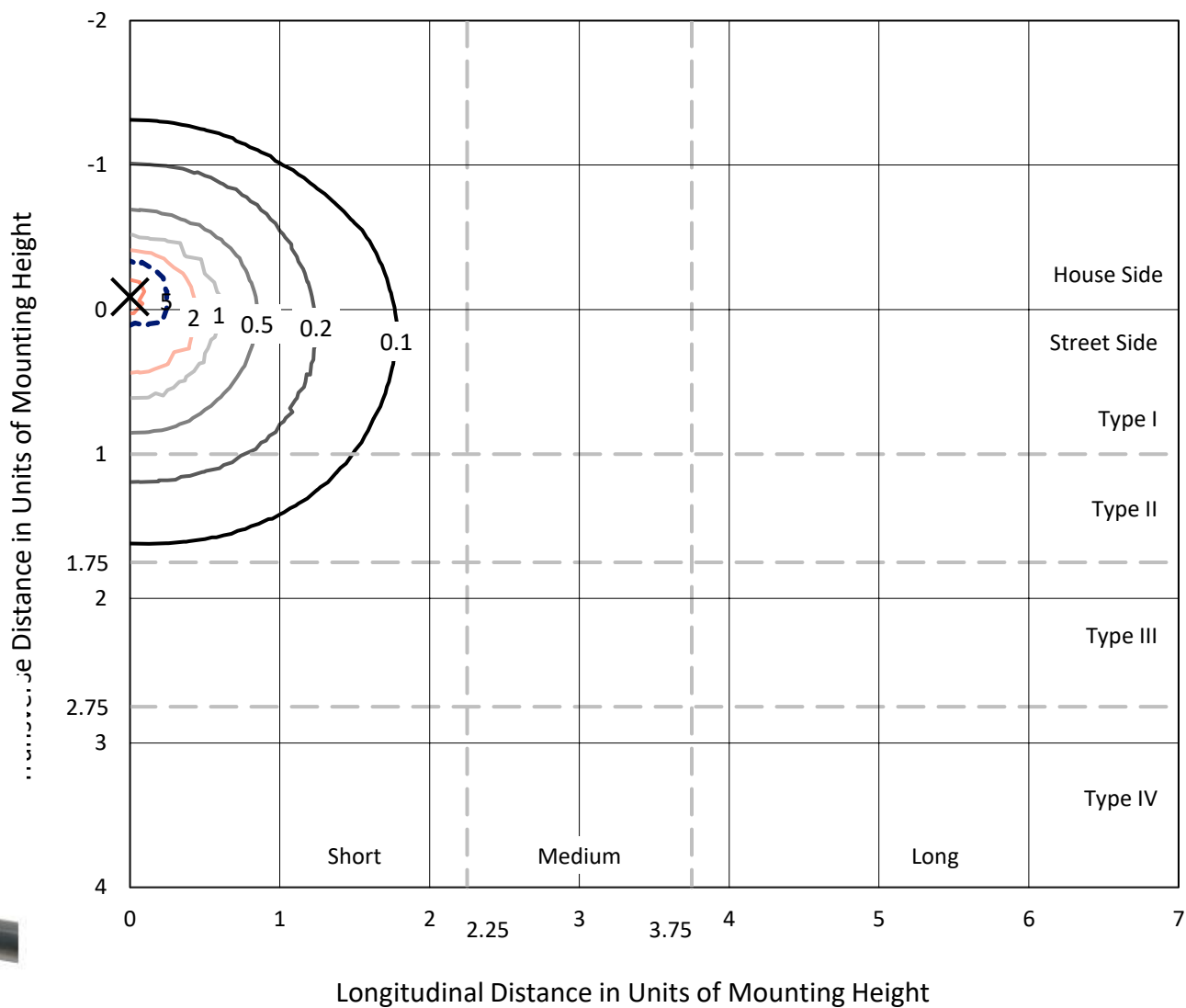
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd



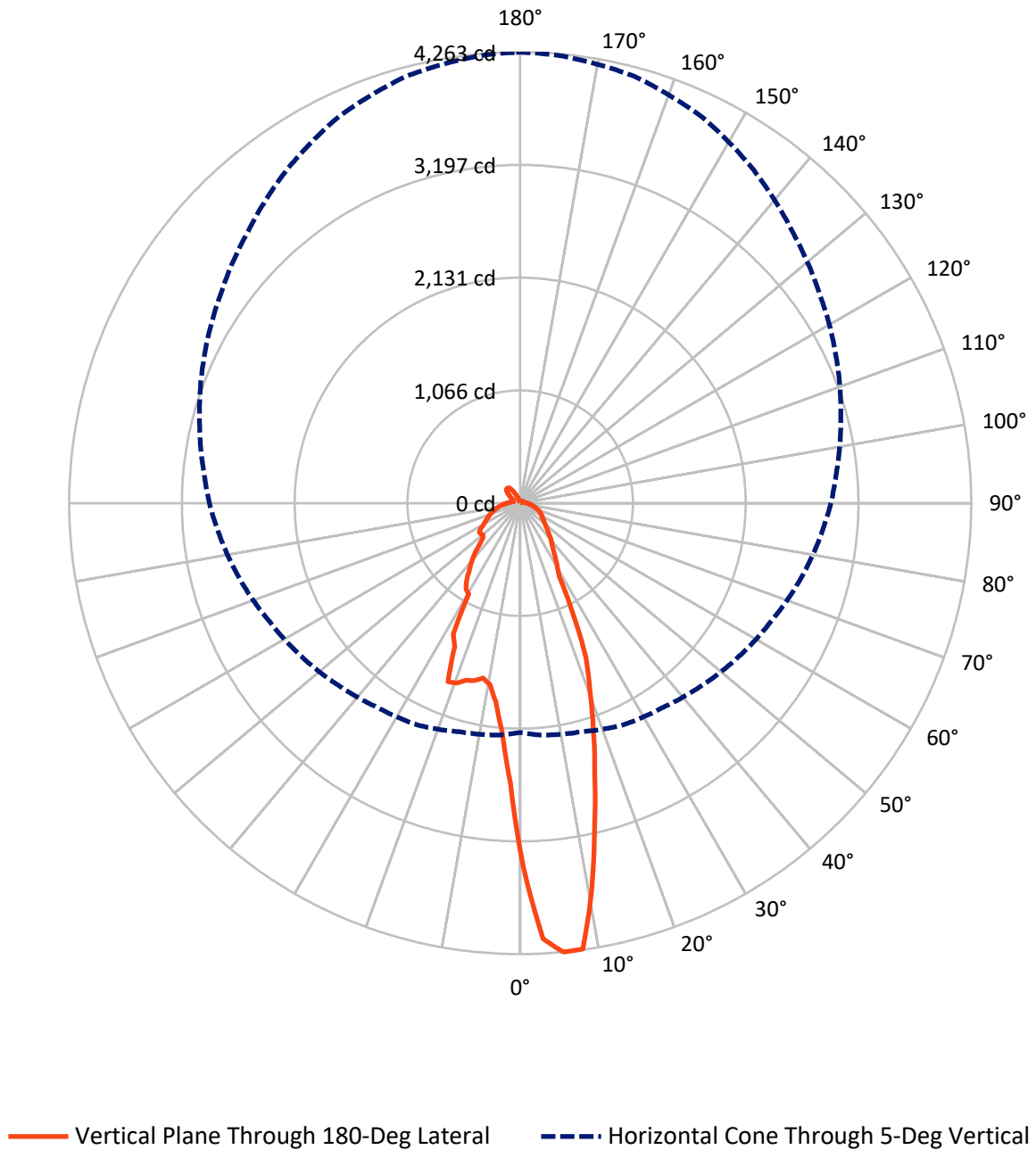
Based on 25 foot mounting height. Maximum calculated value = 6.7 fc

Type I - Short - N/A

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Luminous Intensity Polar Plot



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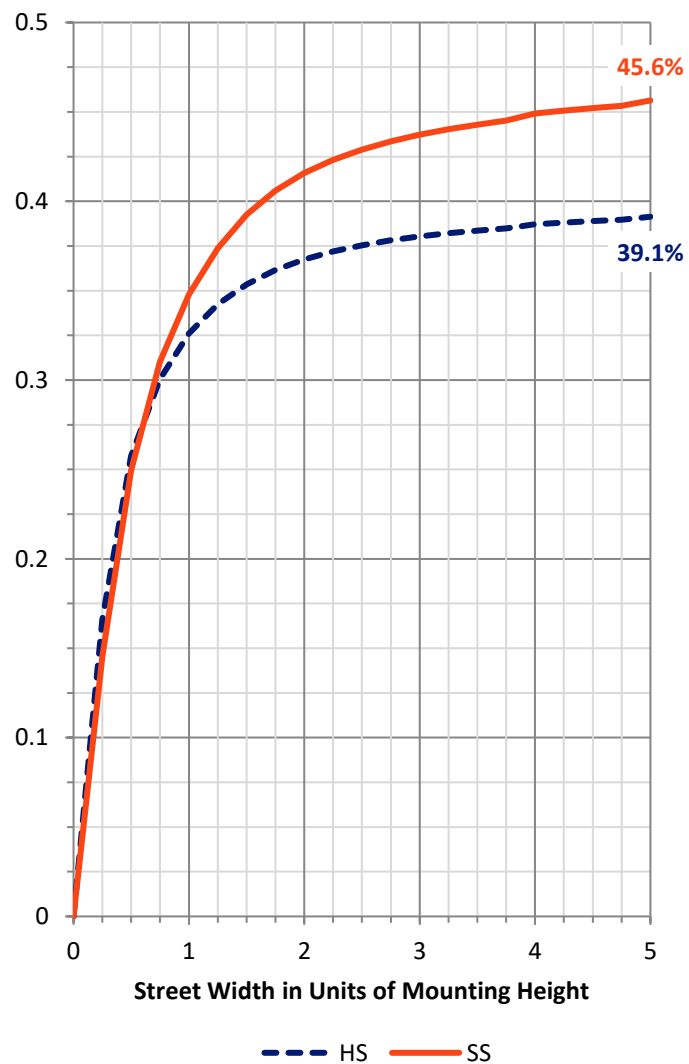
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1648.7	176.8	1825.4
	% Fixture	40.2	4.3	44.5
Street Side	Lumens	1924.0	352.6	2276.6
	% Fixture	46.9	8.6	55.5
Total	Lumens	3572.6	529.4	4102.0
	% Fixture	87.1	12.9	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	275.7	6.7
10°-20°	591.4	14.4
20°-30°	651.1	15.9
30°-40°	478.5	11.7
40°-50°	400.9	9.8
50°-60°	402.2	9.8
60°-70°	344.5	8.4
70°-80°	256.7	6.3
80°-90°	171.7	4.2
90°-100°	102.0	2.5
100°-110°	59.2	1.4
110°-120°	55.1	1.3
120°-130°	79.9	1.9
130°-140°	107.5	2.6
140°-150°	87.1	2.1
150°-160°	34.4	0.8
160°-170°	4.2	0.1
170°-180°	0.0	0.0
0°-90°	3572.6	87.1
0°-180°	4102.0	100.0

Coefficient of Utilization



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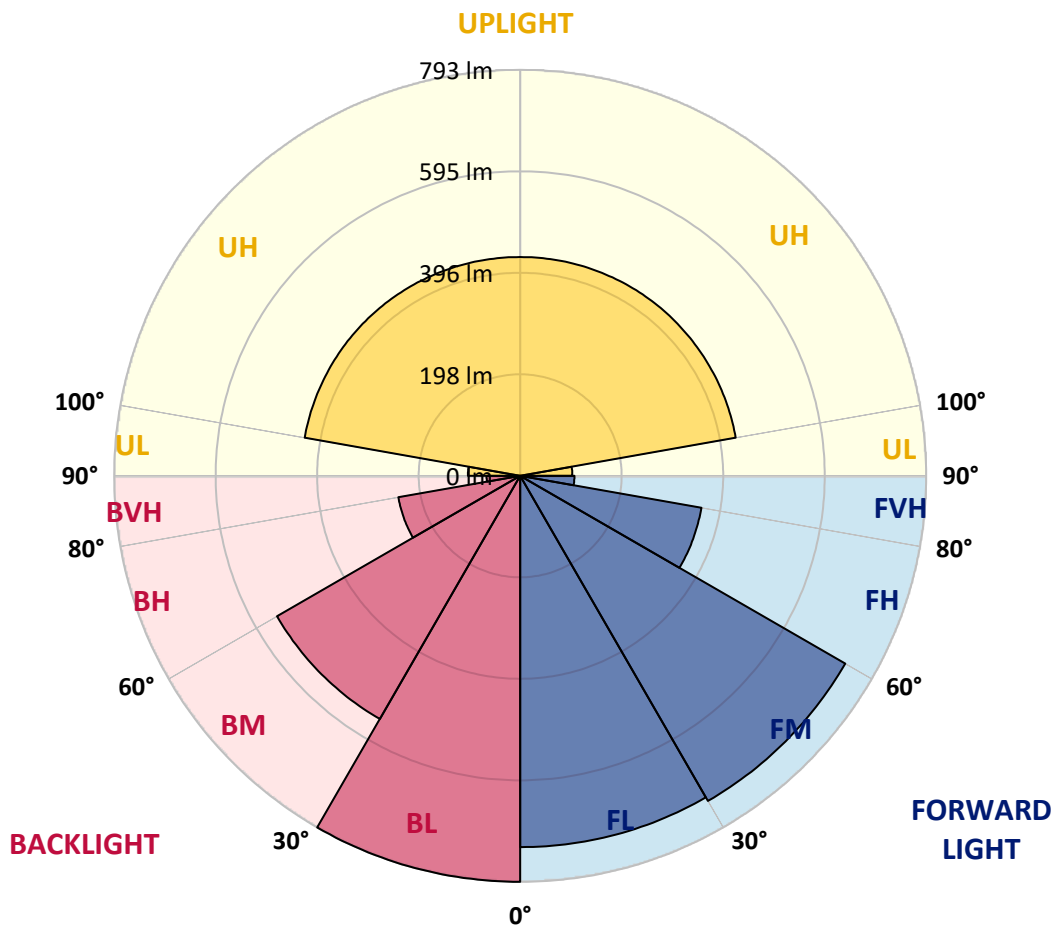
CATALOG NUMBER: CRTK2-C015-5TLD-U-T3-7040-RMARROA5

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	725.3	17.7			
FM	(30°-60°)	733.2	17.9			
FH	(60°-80°)	359.5	8.8			G0/660
FVH	(80°-90°)	106.0	2.6			G2/225
BL	(0°-30°)	793.0	19.3	B2/1000		
BM	(30°-60°)	548.4	13.4	B1/1000		
BH	(60°-80°)	241.6	5.9	B1/500		G1/500
BVH	(80°-90°)	65.7	1.6			G1/100
UL	(90°-100°)	102.0	2.5		U3/500	
UH	(100°-180°)	427.4	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°	3433.8	3433.8	3433.8	3433.8	3433.8	3433.8	3433.8	3433.8	3433.8	3433.8	3433.8
2.5°	2645.4	2684.5	2704.0	2762.7	2782.2	2819.7	2876.7	2933.7	3029.8	3101.5	3156.9
5°	2168.1	2200.7	2236.5	2311.4	2355.4	2433.6	2524.8	2622.6	2746.4	2871.8	2936.9
7.5°	1889.5	1897.7	1949.8	2041.0	2120.9	2203.9	2303.3	2388.0	2472.7	2575.3	2640.5
10°	1736.4	1747.8	1782.0	1852.1	1920.5	1988.9	2067.1	2132.3	2218.6	2304.9	2344.0
12.5°	1690.8	1695.7	1725.0	1765.8	1809.7	1853.7	1914.0	1972.6	2049.2	2124.1	2150.2
15°	1731.5	1731.5	1736.4	1752.7	1775.5	1809.7	1855.3	1905.8	1975.9	2031.3	2059.0
17.5°	1751.1	1752.7	1765.8	1769.0	1790.2	1804.8	1845.6	1884.7	1951.4	1997.1	2011.7
20°	1803.2	1803.2	1804.8	1813.0	1816.2	1824.4	1842.3	1863.5	1918.9	1943.3	1940.0
22.5°	1819.5	1813.0	1839.1	1886.3	1884.7	1886.3	1870.0	1874.9	1905.8	1896.1	1873.3
25°	1493.7	1485.6	1514.9	1544.2	1586.6	1640.3	1773.9	1878.1	1917.2	1886.3	1835.8
27.5°	1389.5	1353.6	1345.5	1275.4	1211.9	1107.7	1097.9	1032.7	1026.2	1066.9	1104.4
30°	987.1	988.8	987.1	980.6	975.7	980.6	985.5	974.1	977.4	1003.4	992.0
32.5°	962.7	962.7	956.2	952.9	938.3	933.4	925.2	904.1	907.3	926.9	922.0
35°	897.5	894.3	895.9	887.8	861.7	840.5	837.3	819.3	819.3	830.8	825.9
37.5°	799.8	794.9	814.5	812.8	791.7	783.5	775.4	764.0	764.0	773.7	764.0
40°	723.2	720.0	741.2	747.7	734.6	737.9	739.5	729.8	739.5	741.2	728.1
42.5°	641.8	640.2	658.1	656.5	645.1	643.4	641.8	635.3	651.6	664.6	654.8
45°	545.7	540.8	553.8	558.7	555.5	550.6	548.9	548.9	558.7	565.2	555.5
47.5°	482.2	483.8	493.6	505.0	508.2	511.5	509.9	506.6	513.1	514.7	506.6
50°	461.0	462.6	477.3	490.3	500.1	506.6	506.6	501.7	506.6	501.7	490.3
52.5°	470.8	470.8	490.3	509.9	526.1	537.5	539.2	532.7	532.7	519.6	501.7
55°	474.0	477.3	503.3	535.9	565.2	596.2	610.8	606.0	610.8	583.2	553.8
57.5°	443.1	451.2	477.3	516.4	555.5	604.3	635.3	638.5	636.9	612.5	576.6
60°	402.3	408.9	426.8	461.0	498.5	537.5	568.5	575.0	581.5	570.1	537.5
62.5°	374.7	377.9	392.6	417.0	443.1	464.2	475.6	474.0	480.5	477.3	452.8
65°	350.2	351.8	368.1	387.7	404.0	425.1	428.4	428.4	433.3	426.8	407.2
67.5°	324.2	324.2	337.2	355.1	374.7	392.6	397.5	399.1	405.6	399.1	384.4
70°	301.4	301.4	312.8	327.4	342.1	360.0	364.9	366.5	374.7	366.5	351.8
72.5°	280.2	280.2	289.9	303.0	316.0	330.7	335.6	337.2	343.7	335.6	324.2
75°	257.4	259.0	267.1	278.5	289.9	303.0	309.5	309.5	314.4	304.6	294.8
77.5°	234.6	236.2	244.3	254.1	263.9	276.9	280.2	281.8	286.7	276.9	267.1
80°	211.8	215.0	221.5	229.7	239.5	249.2	255.7	255.7	259.0	249.2	242.7
82.5°	190.6	193.8	198.7	205.2	215.0	224.8	231.3	231.3	232.9	224.8	216.6
85°	169.4	172.7	177.6	182.4	190.6	200.4	206.9	206.9	208.5	200.4	193.8
87.5°	149.9	153.1	156.4	161.3	167.8	177.6	184.1	184.1	184.1	177.6	171.0
90°	130.3	131.9	135.2	140.1	146.6	154.7	159.6	161.3	161.3	153.1	149.9
92.5°	115.7	115.7	118.9	122.2	128.7	135.2	140.1	141.7	141.7	136.8	131.9
95°	99.4	101.0	102.6	105.9	110.8	115.7	122.2	122.2	122.2	118.9	115.7
97.5°	88.0	86.3	88.0	89.6	94.5	97.7	102.6	104.3	104.3	101.0	99.4
100°	74.9	76.6	76.6	78.2	79.8	81.4	84.7	86.3	86.3	84.7	84.7
102.5°	70.0	68.4	68.4	68.4	68.4	68.4	70.0	70.0	71.7	70.0	68.4
105°	65.2	65.2	65.2	65.2	63.5	63.5	63.5	63.5	61.9	60.3	60.3
107.5°	63.5	63.5	63.5	63.5	61.9	61.9	60.3	60.3	58.6	57.0	55.4
110°	63.5	63.5	63.5	63.5	61.9	60.3	60.3	58.6	57.0	55.4	53.8

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	66.8	66.8	66.8	66.8	63.5	61.9	60.3	60.3	57.0	55.4	53.8
115°	73.3	73.3	71.7	71.7	70.0	66.8	65.2	63.5	61.9	58.6	57.0
117.5°	79.8	79.8	79.8	79.8	78.2	74.9	71.7	70.0	68.4	63.5	61.9
120°	91.2	91.2	91.2	92.8	89.6	86.3	83.1	79.8	78.2	73.3	70.0
122.5°	105.9	104.3	107.5	109.1	107.5	102.6	97.7	94.5	91.2	84.7	81.4
125°	120.5	120.5	123.8	128.7	128.7	123.8	117.3	112.4	109.1	99.4	94.5
127.5°	138.5	138.5	143.3	151.5	153.1	148.2	141.7	135.2	130.3	117.3	112.4
130°	154.7	154.7	164.5	174.3	179.2	174.3	167.8	159.6	153.1	138.5	130.3
132.5°	167.8	169.4	180.8	193.8	200.4	198.7	190.6	184.1	177.6	159.6	149.9
135°	180.8	182.4	195.5	211.8	219.9	219.9	213.4	205.2	197.1	177.6	166.2
137.5°	187.3	189.0	205.2	221.5	231.3	234.6	231.3	223.2	215.0	193.8	179.2
140°	187.3	190.6	206.9	223.2	232.9	237.8	237.8	229.7	221.5	202.0	187.3
142.5°	182.4	185.7	200.4	216.6	226.4	232.9	234.6	228.0	219.9	200.4	185.7
145°	172.7	174.3	189.0	203.6	213.4	221.5	224.8	219.9	210.1	193.8	179.2
147.5°	156.4	156.4	169.4	180.8	193.8	202.0	206.9	203.6	195.5	180.8	167.8
150°	133.6	133.6	143.3	154.7	166.2	175.9	180.8	180.8	172.7	161.3	148.2
152.5°	105.9	107.5	114.0	123.8	135.2	143.3	149.9	149.9	145.0	135.2	123.8
155°	81.4	81.4	86.3	92.8	102.6	110.8	115.7	115.7	112.4	104.3	97.7
157.5°	58.6	58.6	61.9	68.4	74.9	81.4	86.3	86.3	83.1	78.2	73.3
160°	39.1	39.1	40.7	45.6	50.5	55.4	58.6	60.3	58.6	55.4	50.5
162.5°	21.2	21.2	22.8	26.1	29.3	34.2	35.8	37.5	37.5	34.2	32.6
165°	6.5	6.5	6.5	9.8	11.4	14.7	16.3	17.9	17.9	17.9	16.3
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°	3433.8	3433.8	3433.8	3433.8	3433.8	3433.8	3433.8	3433.8	3433.8	3433.8	3433.8
2.5°	3209.0	3329.5	3463.1	3599.9	3740.0	3871.9	3982.7	4070.7	4117.9	4129.3	4122.8
5°	2995.6	3137.3	3293.7	3453.3	3635.8	3845.9	4038.1	4176.6	4248.2	4259.6	4262.9
7.5°	2691.0	2814.8	2967.9	3152.0	3381.6	3606.4	3902.9	4109.8	4225.4	4256.4	4256.4
10°	2370.1	2479.2	2575.3	2736.6	2936.9	3147.1	3399.6	3590.1	3707.4	3744.9	3712.3
12.5°	2189.3	2236.5	2301.7	2420.6	2546.0	2705.6	2923.9	3047.7	3124.3	3147.1	3127.5
15°	2073.6	2098.1	2125.7	2176.2	2264.2	2363.6	2492.3	2568.8	2616.0	2643.7	2634.0
17.5°	2018.2	2018.2	2013.3	2024.8	2047.6	2093.2	2181.1	2208.8	2230.0	2241.4	2234.9
20°	1933.5	1907.5	1886.3	1853.7	1840.7	1839.1	1860.2	1889.5	1887.9	1889.5	1876.5
22.5°	1848.8	1795.1	1742.9	1694.1	1638.7	1611.0	1591.5	1601.2	1593.1	1601.2	1593.1
25°	1808.1	1699.0	1594.7	1475.8	1376.4	1299.9	1249.4	1218.4	1166.3	1185.9	1167.9
27.5°	1122.3	1076.7	1032.7	944.8	861.7	832.4	807.9	794.9	785.1	790.0	786.8
30°	972.5	935.0	900.8	855.2	791.7	752.6	723.2	697.2	689.0	690.7	689.0
32.5°	902.4	873.1	830.8	783.5	726.5	677.6	643.4	619.0	606.0	614.1	607.6
35°	807.9	778.6	742.8	698.8	649.9	606.0	573.4	550.6	535.9	539.2	537.5
37.5°	746.0	718.4	687.4	640.2	597.8	555.5	522.9	500.1	485.4	488.7	485.4
40°	710.2	679.3	646.7	604.3	562.0	518.0	487.0	461.0	446.3	446.3	446.3
42.5°	636.9	612.5	584.8	540.8	503.3	465.9	434.9	415.4	399.1	400.7	397.5
45°	544.1	526.1	505.0	475.6	444.7	415.4	389.3	374.7	361.6	363.2	361.6
47.5°	496.8	480.5	456.1	433.3	405.6	379.5	356.7	338.8	329.0	330.7	327.4
50°	478.9	459.4	431.7	400.7	374.7	348.6	325.8	312.8	303.0	304.6	303.0
52.5°	485.4	454.5	415.4	377.9	347.0	320.9	303.0	288.3	281.8	283.4	280.2
55°	527.8	474.0	415.4	368.1	329.0	299.7	281.8	265.5	259.0	259.0	259.0
57.5°	542.4	483.8	410.5	356.7	314.4	285.1	263.9	247.6	241.1	241.1	241.1
60°	508.2	457.7	390.9	340.4	301.4	273.7	255.7	244.3	239.5	239.5	239.5
62.5°	434.9	402.3	351.8	311.1	281.8	257.4	239.5	224.8	219.9	218.3	218.3
65°	394.2	363.2	320.9	286.7	260.6	241.1	224.8	213.4	206.9	206.9	206.9
67.5°	368.1	338.8	299.7	267.1	242.7	221.5	206.9	195.5	192.2	190.6	190.6
70°	338.8	311.1	272.0	242.7	219.9	202.0	187.3	177.6	174.3	174.3	172.7
72.5°	309.5	283.4	246.0	218.3	197.1	180.8	167.8	159.6	156.4	154.7	154.7
75°	281.8	255.7	221.5	195.5	175.9	161.3	149.9	141.7	138.5	138.5	138.5
77.5°	255.7	231.3	198.7	174.3	158.0	143.3	133.6	127.1	123.8	123.8	123.8
80°	231.3	206.9	177.6	154.7	138.5	127.1	118.9	112.4	109.1	110.8	109.1
82.5°	205.2	185.7	158.0	136.8	123.8	112.4	104.3	99.4	96.1	97.7	96.1
85°	184.1	164.5	138.5	120.5	107.5	97.7	91.2	86.3	83.1	84.7	83.1
87.5°	162.9	145.0	122.2	105.9	94.5	86.3	78.2	74.9	73.3	73.3	71.7
90°	140.1	123.8	104.3	91.2	79.8	73.3	66.8	63.5	61.9	60.3	60.3
92.5°	123.8	110.8	92.8	81.4	71.7	66.8	60.3	57.0	55.4	55.4	55.4
95°	109.1	97.7	83.1	73.3	66.8	60.3	55.4	53.8	52.1	52.1	50.5
97.5°	94.5	84.7	74.9	66.8	60.3	55.4	50.5	48.9	47.2	47.2	47.2
100°	79.8	73.3	65.2	58.6	53.8	50.5	45.6	44.0	42.4	42.4	42.4
102.5°	66.8	61.9	55.4	50.5	47.2	44.0	40.7	39.1	37.5	37.5	37.5
105°	58.6	53.8	50.5	45.6	42.4	39.1	37.5	34.2	32.6	32.6	32.6
107.5°	53.8	50.5	47.2	44.0	40.7	37.5	34.2	30.9	29.3	29.3	29.3
110°	52.1	48.9	45.6	42.4	39.1	35.8	34.2	29.3	27.7	27.7	27.7

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CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	179°	180°
112.5°	52.1	50.5	47.2	44.0	40.7	37.5	34.2	27.7	26.1	26.1	26.1
115°	55.4	52.1	48.9	45.6	42.4	39.1	35.8	27.7	26.1	26.1	26.1
117.5°	60.3	57.0	52.1	48.9	45.6	40.7	35.8	29.3	26.1	26.1	26.1
120°	68.4	63.5	58.6	53.8	48.9	44.0	37.5	29.3	24.4	26.1	26.1
122.5°	78.2	73.3	65.2	58.6	53.8	47.2	39.1	30.9	24.4	26.1	26.1
125°	91.2	84.7	74.9	66.8	58.6	50.5	40.7	30.9	24.4	26.1	27.7
127.5°	105.9	96.1	84.7	73.3	63.5	53.8	44.0	32.6	24.4	27.7	27.7
130°	122.2	110.8	96.1	81.4	70.0	57.0	45.6	32.6	26.1	26.1	26.1
132.5°	140.1	123.8	104.3	88.0	73.3	58.6	45.6	32.6	26.1	26.1	26.1
135°	153.1	133.6	112.4	92.8	76.6	60.3	47.2	32.6	24.4	24.4	24.4
137.5°	164.5	141.7	118.9	96.1	78.2	60.3	45.6	30.9	24.4	22.8	22.8
140°	171.0	145.0	118.9	96.1	76.6	58.6	42.4	29.3	21.2	21.2	21.2
142.5°	171.0	143.3	117.3	92.8	71.7	55.4	40.7	26.1	19.5	19.5	19.5
145°	164.5	136.8	110.8	88.0	66.8	50.5	35.8	24.4	17.9	17.9	17.9
147.5°	153.1	125.4	101.0	79.8	58.6	44.0	30.9	19.5	14.7	14.7	14.7
150°	136.8	110.8	88.0	68.4	50.5	35.8	26.1	16.3	11.4	11.4	11.4
152.5°	114.0	92.8	71.7	57.0	40.7	29.3	19.5	13.0	9.8	9.8	9.8
155°	89.6	73.3	57.0	44.0	30.9	21.2	14.7	9.8	6.5	6.5	6.5
157.5°	68.4	55.4	42.4	32.6	22.8	16.3	11.4	6.5	4.9	4.9	4.9
160°	47.2	37.5	29.3	22.8	14.7	11.4	8.1	4.9	3.3	3.3	3.3
162.5°	30.9	24.4	17.9	13.0	9.8	6.5	4.9	3.3	1.6	1.6	1.6
165°	14.7	11.4	9.8	6.5	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)