

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: P691206

Luminaire Tested: **CRTK2-C015-5TLD-U-T2-7040-RMARROA5**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691206
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-7)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C015-5TLD-U-T2-7040-RMARROA5
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 4000K LED WITH TYPE II OPTIC AND NEMA REFRACTOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4063 lumens
Efficiency: N/A
Efficacy: 124.3 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



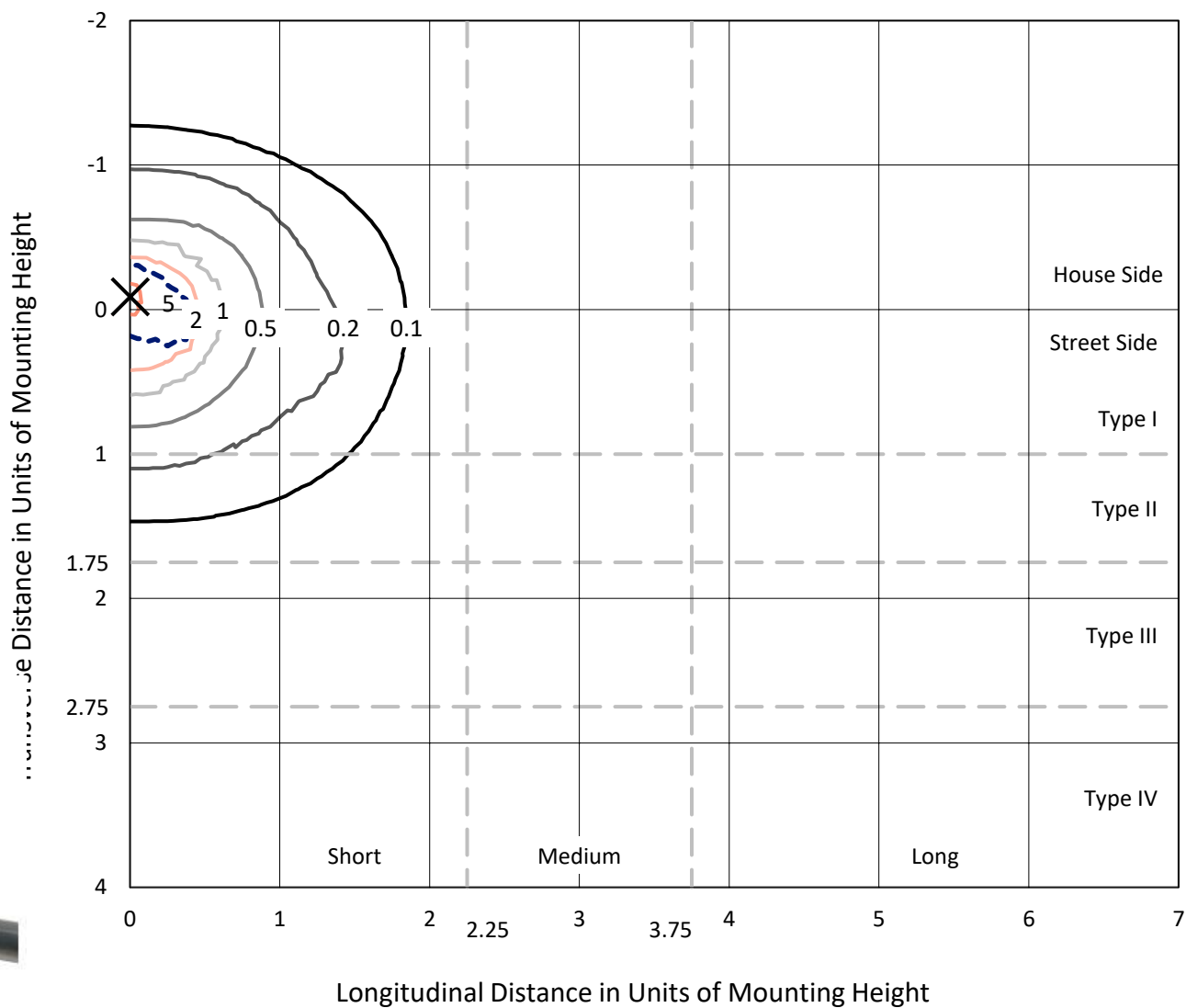
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

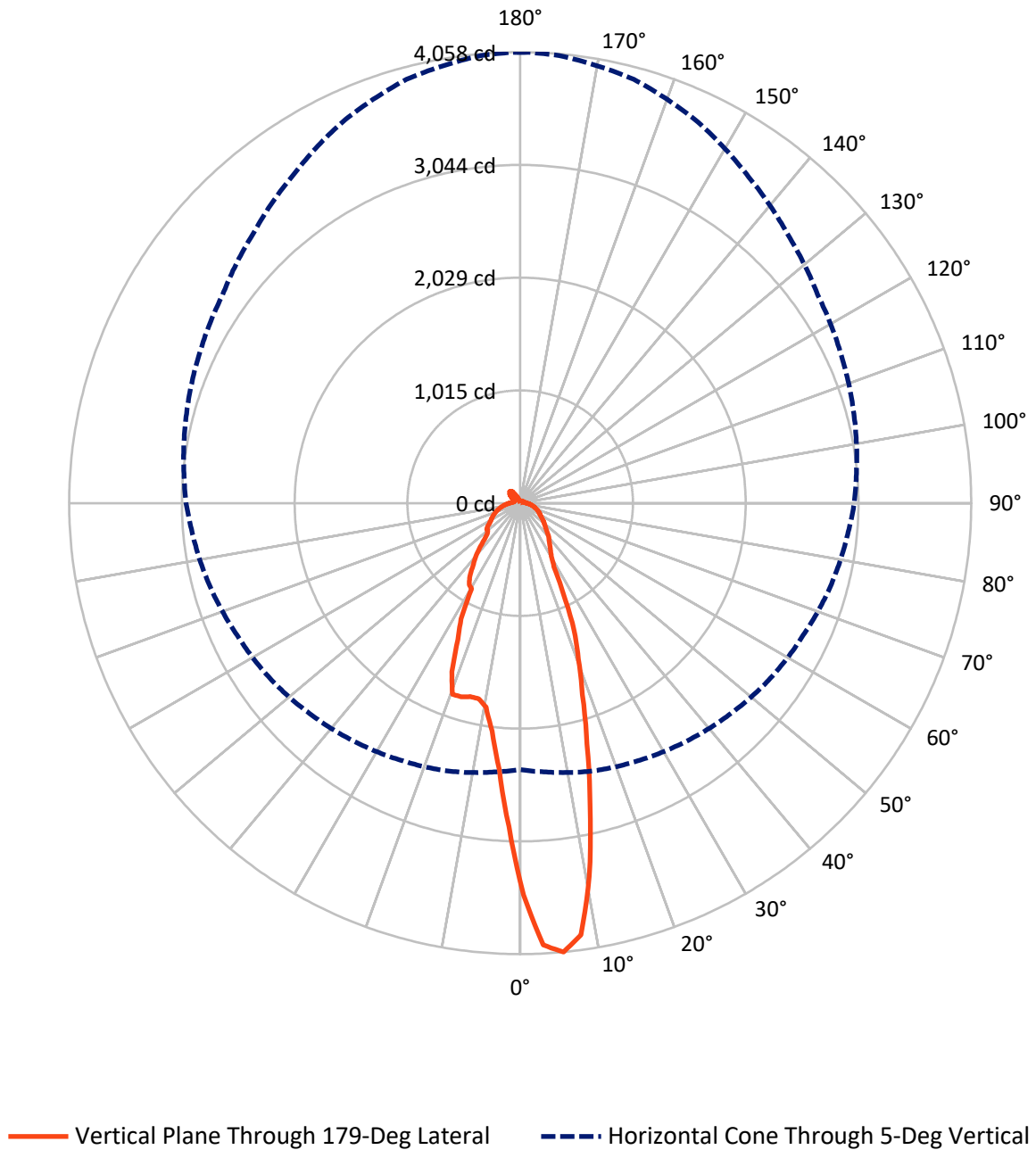


Based on 25 foot mounting height. Maximum calculated value = 6.1 fc
 Type I - Short - N/A

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Luminous Intensity Polar Plot



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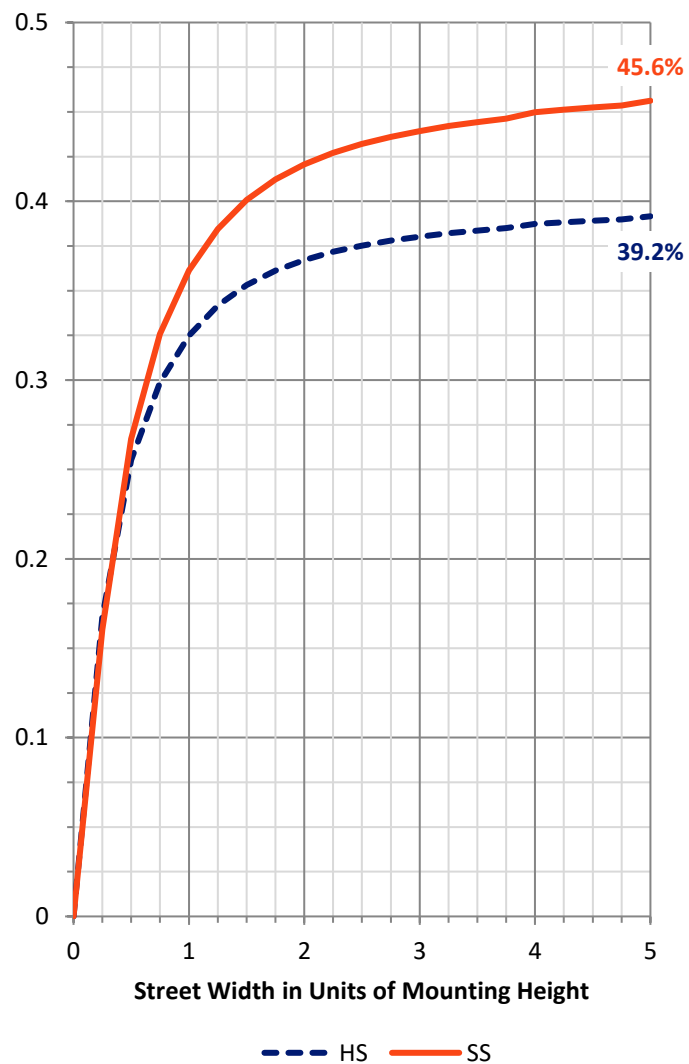
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1635.0	198.8	1833.8
	% Fixture	40.2	4.9	45.1
Street Side	Lumens	1897.7	331.5	2229.2
	% Fixture	46.7	8.2	54.9
Total	Lumens	3532.7	530.3	4063.0
	% Fixture	86.9	13.1	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	275.6	6.8
10°-20°	588.1	14.5
20°-30°	638.9	15.7
30°-40°	472.9	11.6
40°-50°	396.0	9.7
50°-60°	398.1	9.8
60°-70°	339.0	8.3
70°-80°	253.2	6.2
80°-90°	170.9	4.2
90°-100°	102.2	2.5
100°-110°	59.0	1.5
110°-120°	54.3	1.3
120°-130°	78.6	1.9
130°-140°	107.5	2.6
140°-150°	88.6	2.2
150°-160°	35.7	0.9
160°-170°	4.4	0.1
170°-180°	0.0	0.0
0°-90°	3532.7	86.9
0°-180°	4063.0	100.0

Coefficient of Utilization



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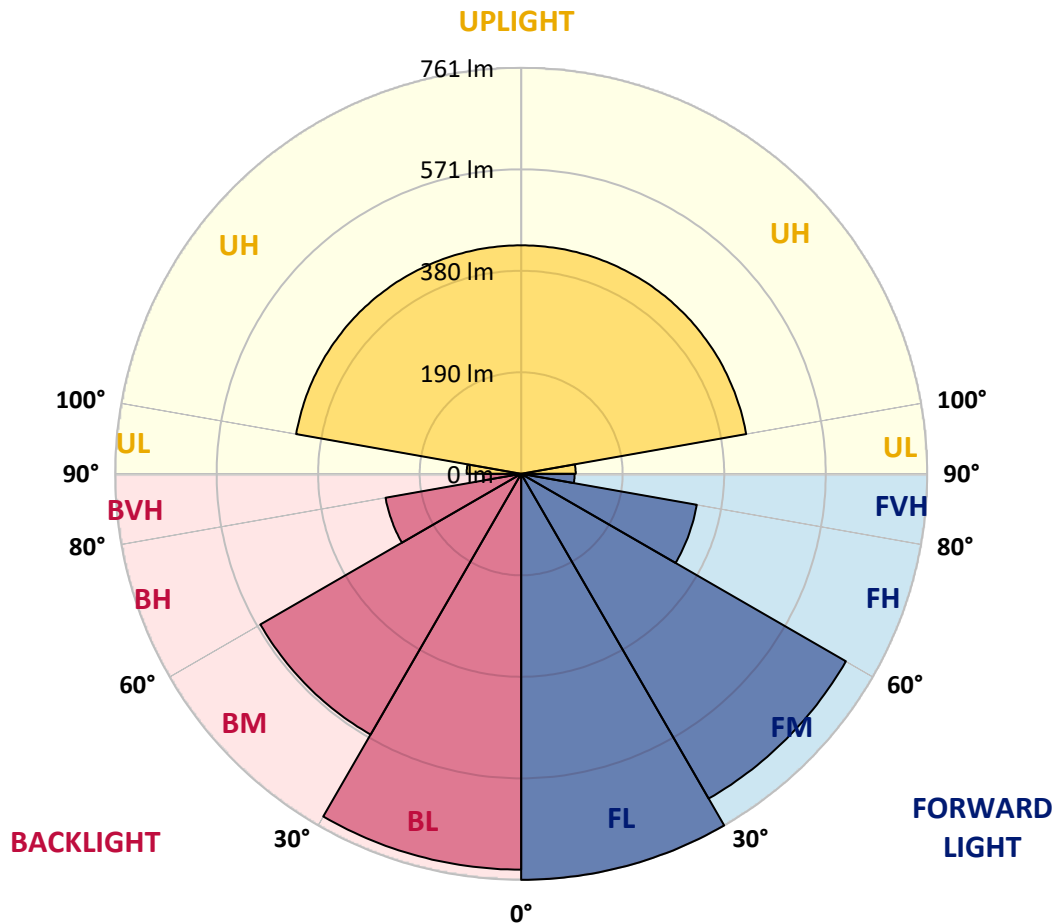
CATALOG NUMBER: CRTK2-C015-5TLD-U-T2-7040-RMARROA5

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	760.8	18.7			
FM	(30°-60°)	702.6	17.3			
FH	(60°-80°)	334.2	8.2			G0/660
FVH	(80°-90°)	100.1	2.5			G2/225
BL	(0°-30°)	741.8	18.3	B2/1000		
BM	(30°-60°)	564.4	13.9	B1/1000		
BH	(60°-80°)	258.0	6.3	B1/500		G1/500
BVH	(80°-90°)	70.8	1.7			G1/100
UL	(90°-100°)	102.2	2.5		U3/500	
UH	(100°-180°)	428.1	10.5		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°	3525.7	3525.7	3525.7	3525.7	3525.7	3525.7	3525.7	3525.7	3525.7	3525.7	3525.7
2.5°	2906.6	2922.9	2958.7	2976.6	2994.5	3017.4	3051.6	3077.6	3137.9	3193.3	3216.1
5°	2398.2	2427.6	2496.0	2551.4	2613.3	2678.5	2748.5	2810.4	2890.3	2963.6	3006.0
7.5°	2061.0	2085.4	2166.9	2274.4	2383.6	2474.8	2546.5	2593.8	2629.6	2658.9	2689.9
10°	1855.7	1876.9	1958.3	2054.5	2147.3	2232.1	2292.3	2338.0	2351.0	2380.3	2395.0
12.5°	1797.1	1806.8	1863.9	1930.7	1987.7	2070.8	2142.5	2191.3	2212.5	2238.6	2246.7
15°	1798.7	1798.7	1831.3	1873.6	1925.8	1989.3	2069.1	2127.8	2158.7	2173.4	2171.8
17.5°	1823.1	1821.5	1836.2	1870.4	1914.4	1977.9	2059.4	2119.6	2155.5	2160.4	2155.5
20°	1823.1	1824.8	1829.6	1868.7	1911.1	1968.1	2051.2	2101.7	2129.4	2114.8	2098.5
22.5°	1637.4	1635.8	1678.1	1761.2	1875.3	1994.2	2069.1	2131.0	2137.6	2083.8	2039.8
25°	1352.3	1340.9	1365.3	1402.8	1479.4	1617.8	1774.2	2008.9	2149.0	2118.0	2051.2
27.5°	1173.1	1158.4	1179.6	1163.3	1155.1	1145.4	1135.6	1107.9	1125.8	1142.1	1213.8
30°	884.7	887.9	892.8	902.6	922.2	961.3	1002.0	1026.4	1047.6	1090.0	1085.1
32.5°	865.1	863.5	865.1	874.9	884.7	909.1	933.6	946.6	962.9	1003.6	993.8
35°	800.0	796.7	808.1	813.0	811.4	817.9	842.3	857.0	871.6	897.7	887.9
37.5°	703.8	707.1	731.5	744.6	749.5	764.1	783.7	796.7	814.6	834.2	829.3
40°	632.1	630.5	656.6	674.5	685.9	708.7	738.0	757.6	786.9	803.2	791.8
42.5°	544.2	550.7	570.2	588.2	591.4	602.8	628.9	651.7	687.5	712.0	705.5
45°	457.8	462.7	479.0	493.7	505.1	519.7	539.3	558.8	588.2	607.7	606.1
47.5°	404.1	408.9	422.0	439.9	456.2	477.4	496.9	516.5	544.2	558.8	553.9
50°	382.9	386.1	400.8	420.3	444.8	470.9	496.9	518.1	544.2	553.9	545.8
52.5°	381.2	381.2	399.2	428.5	462.7	498.5	532.8	562.1	586.5	586.5	570.2
55°	358.4	361.7	384.5	423.6	475.7	534.4	594.7	650.1	682.7	676.1	645.2
57.5°	325.8	327.5	351.9	389.4	444.8	516.5	597.9	668.0	707.1	715.2	682.7
60°	306.3	307.9	324.2	360.1	407.3	464.3	539.3	594.7	633.8	658.2	632.1
62.5°	290.0	290.0	306.3	330.7	369.8	412.2	454.6	492.0	523.0	540.9	526.2
65°	272.1	272.1	283.5	306.3	337.3	378.0	410.6	438.3	466.0	479.0	466.0
67.5°	254.2	254.2	265.6	286.7	314.4	348.7	381.2	407.3	435.0	444.8	435.0
70°	236.2	236.2	247.6	265.6	291.6	324.2	348.7	376.4	402.4	408.9	400.8
72.5°	218.3	218.3	229.7	246.0	268.8	299.8	322.6	343.8	368.2	373.1	365.0
75°	202.0	202.0	210.2	226.5	247.6	275.3	298.2	317.7	337.3	337.3	330.7
77.5°	184.1	185.7	192.3	206.9	226.5	252.5	273.7	291.6	307.9	307.9	299.8
80°	166.2	167.8	174.3	187.4	205.3	229.7	249.3	265.6	280.2	280.2	272.1
82.5°	148.3	149.9	156.4	167.8	184.1	206.9	226.5	242.8	255.8	254.2	246.0
85°	132.0	133.6	138.5	148.3	162.9	185.7	203.7	218.3	229.7	228.1	221.6
87.5°	115.7	117.3	122.2	130.3	143.4	164.6	182.5	195.5	205.3	203.7	197.1
90°	101.0	101.0	105.9	114.0	125.5	143.4	159.7	171.1	180.8	177.6	171.1
92.5°	88.0	89.6	92.9	99.4	109.2	125.5	140.1	149.9	159.7	158.0	151.5
95°	78.2	78.2	81.5	86.3	94.5	107.5	122.2	130.3	136.9	136.9	132.0
97.5°	68.4	70.1	71.7	74.9	81.5	91.2	102.6	110.8	115.7	115.7	112.4
100°	61.9	63.5	63.5	66.8	70.1	76.6	84.7	91.2	96.1	96.1	94.5
102.5°	58.7	58.7	58.7	60.3	61.9	65.2	70.1	73.3	76.6	78.2	76.6
105°	55.4	55.4	55.4	57.0	57.0	60.3	61.9	65.2	66.8	66.8	65.2
107.5°	53.8	53.8	55.4	55.4	55.4	57.0	60.3	60.3	61.9	60.3	60.3
110°	55.4	55.4	55.4	55.4	55.4	57.0	58.7	58.7	58.7	58.7	57.0

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	57.0	57.0	57.0	57.0	58.7	58.7	58.7	60.3	60.3	58.7	58.7
115°	61.9	61.9	61.9	61.9	61.9	63.5	63.5	63.5	63.5	61.9	60.3
117.5°	66.8	66.8	66.8	68.4	68.4	70.1	68.4	70.1	68.4	66.8	66.8
120°	74.9	74.9	76.6	78.2	79.8	79.8	78.2	79.8	79.8	76.6	74.9
122.5°	84.7	84.7	86.3	91.2	92.9	94.5	92.9	92.9	92.9	89.6	88.0
125°	94.5	96.1	99.4	105.9	110.8	114.0	110.8	112.4	112.4	107.5	105.9
127.5°	105.9	107.5	114.0	123.8	132.0	135.2	133.6	135.2	136.9	128.7	125.5
130°	117.3	117.3	127.1	141.7	153.1	158.0	159.7	161.3	162.9	154.8	148.3
132.5°	127.1	127.1	140.1	158.0	172.7	180.8	184.1	187.4	190.6	179.2	171.1
135°	133.6	135.2	151.5	172.7	190.6	202.0	206.9	210.2	215.1	202.0	192.3
137.5°	138.5	141.7	158.0	180.8	200.4	216.7	226.5	231.4	234.6	221.6	208.5
140°	140.1	141.7	159.7	182.5	202.0	219.9	234.6	242.8	244.4	231.4	218.3
142.5°	135.2	138.5	154.8	177.6	197.1	216.7	233.0	241.1	242.8	231.4	218.3
145°	128.7	130.3	145.0	166.2	185.7	206.9	224.8	233.0	233.0	223.2	210.2
147.5°	117.3	118.9	132.0	149.9	169.4	190.6	208.5	216.7	218.3	208.5	197.1
150°	101.0	102.6	112.4	127.1	146.6	167.8	184.1	193.9	193.9	184.1	176.0
152.5°	81.5	83.1	91.2	102.6	118.9	138.5	153.1	162.9	162.9	156.4	146.6
155°	63.5	63.5	70.1	79.8	91.2	105.9	117.3	125.5	127.1	120.6	114.0
157.5°	45.6	45.6	50.5	58.7	68.4	79.8	88.0	94.5	94.5	89.6	86.3
160°	31.0	31.0	34.2	39.1	45.6	53.8	60.3	66.8	66.8	63.5	60.3
162.5°	16.3	16.3	19.6	22.8	27.7	34.2	37.5	42.4	42.4	40.7	39.1
165°	4.9	4.9	6.5	8.1	11.4	14.7	16.3	19.6	21.2	19.6	17.9
167.5°	0.0	0.0	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	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

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CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	179°	180°
0°	3525.7	3525.7	3525.7	3525.7	3525.7	3525.7	3525.7	3525.7	3525.7	3525.7	3525.7
2.5°	3240.6	3343.2	3436.1	3532.2	3651.1	3755.4	3867.8	3947.7	3981.9	3981.9	3994.9
5°	3036.9	3108.6	3183.5	3268.3	3410.0	3584.3	3784.7	3949.3	4043.8	4058.4	4056.8
7.5°	2699.7	2748.5	2825.1	2919.6	3049.9	3206.3	3463.8	3721.2	3892.3	3923.2	3911.8
10°	2403.1	2448.8	2494.4	2530.2	2623.1	2746.9	2935.9	3186.8	3383.9	3414.9	3390.5
12.5°	2251.6	2266.3	2264.6	2285.8	2323.3	2385.2	2481.3	2626.3	2761.6	2790.9	2769.7
15°	2171.8	2150.6	2118.0	2080.5	2077.3	2087.1	2111.5	2170.2	2227.2	2251.6	2235.3
17.5°	2139.2	2088.7	2021.9	1948.6	1899.7	1854.1	1823.1	1803.6	1811.7	1813.3	1800.3
20°	2062.6	2002.3	1894.8	1790.5	1712.3	1632.5	1564.1	1513.6	1505.4	1497.3	1487.5
22.5°	1976.3	1873.6	1744.9	1617.8	1502.2	1396.3	1319.7	1259.4	1236.6	1244.7	1239.9
25°	1958.3	1787.3	1630.9	1425.6	1279.0	1160.0	1016.6	918.9	874.9	899.3	883.0
27.5°	1174.7	1179.6	1091.6	967.8	861.9	791.8	728.3	676.1	646.8	646.8	650.1
30°	1063.9	1016.6	958.0	881.4	788.6	718.5	648.4	591.4	560.5	552.3	555.6
32.5°	972.7	940.1	884.7	811.4	726.6	655.0	581.6	529.5	500.2	498.5	496.9
35°	874.9	840.7	795.1	731.5	658.2	591.4	527.9	482.3	456.2	457.8	457.8
37.5°	808.1	777.1	736.4	676.1	609.3	542.5	485.5	443.2	422.0	422.0	420.3
40°	773.9	738.0	694.1	638.7	576.8	506.7	452.9	412.2	394.3	394.3	392.6
42.5°	698.9	668.0	638.7	581.6	519.7	462.7	412.2	376.4	358.4	358.4	358.4
45°	593.0	575.1	552.3	513.2	462.7	415.5	373.1	338.9	324.2	322.6	322.6
47.5°	547.4	527.9	500.2	464.3	423.6	379.6	338.9	314.4	299.8	299.8	299.8
50°	534.4	511.6	474.1	431.7	389.4	350.3	314.4	291.6	278.6	278.6	280.2
52.5°	552.3	514.8	464.3	412.2	368.2	324.2	293.3	270.5	260.7	260.7	259.0
55°	614.2	544.2	470.9	407.3	351.9	304.7	272.1	247.6	236.2	236.2	236.2
57.5°	648.4	565.3	475.7	400.8	337.3	290.0	255.8	229.7	218.3	218.3	218.3
60°	609.3	540.9	456.2	387.8	325.8	277.0	241.1	216.7	205.3	203.7	202.0
62.5°	510.0	467.6	407.3	350.3	301.4	259.0	229.7	205.3	193.9	193.9	192.3
65°	454.6	418.7	366.6	317.7	277.0	241.1	213.4	193.9	182.5	180.8	180.8
67.5°	423.6	391.0	338.9	293.3	255.8	223.2	197.1	179.2	171.1	167.8	167.8
70°	389.4	353.5	307.9	267.2	233.0	203.7	182.5	164.6	156.4	154.8	153.1
72.5°	355.2	322.6	280.2	241.1	210.2	185.7	166.2	149.9	141.7	140.1	140.1
75°	319.3	288.4	247.6	215.1	189.0	166.2	148.3	135.2	128.7	127.1	125.5
77.5°	290.0	262.3	223.2	192.3	167.8	149.9	133.6	122.2	115.7	115.7	114.0
80°	262.3	236.2	198.8	171.1	149.9	132.0	118.9	109.2	104.3	102.6	102.6
82.5°	236.2	210.2	176.0	151.5	132.0	117.3	104.3	96.1	91.2	91.2	91.2
85°	211.8	187.4	156.4	133.6	115.7	102.6	91.2	83.1	79.8	78.2	79.8
87.5°	187.4	164.6	138.5	117.3	101.0	88.0	78.2	71.7	68.4	68.4	68.4
90°	164.6	143.4	118.9	99.4	86.3	74.9	66.8	60.3	58.7	57.0	57.0
92.5°	145.0	127.1	105.9	89.6	76.6	68.4	60.3	55.4	52.1	52.1	52.1
95°	127.1	110.8	94.5	79.8	70.1	61.9	55.4	50.5	48.9	48.9	48.9
97.5°	109.2	96.1	83.1	71.7	63.5	57.0	50.5	47.2	45.6	44.0	45.6
100°	91.2	81.5	71.7	63.5	57.0	50.5	45.6	42.4	40.7	40.7	40.7
102.5°	73.3	68.4	60.3	53.8	48.9	45.6	40.7	37.5	35.8	35.8	35.8
105°	63.5	58.7	53.8	48.9	45.6	40.7	37.5	34.2	32.6	32.6	32.6
107.5°	58.7	55.4	50.5	47.2	42.4	39.1	35.8	31.0	29.3	29.3	29.3
110°	57.0	53.8	50.5	45.6	42.4	39.1	35.8	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°	57.0	53.8	50.5	47.2	44.0	39.1	35.8	29.3	26.1	26.1	26.1
115°	60.3	57.0	53.8	50.5	45.6	40.7	37.5	29.3	26.1	26.1	26.1
117.5°	65.2	61.9	58.7	53.8	48.9	44.0	37.5	29.3	27.7	27.7	27.7
120°	73.3	70.1	65.2	60.3	53.8	47.2	40.7	31.0	26.1	27.7	27.7
122.5°	84.7	81.5	74.9	66.8	60.3	52.1	42.4	32.6	24.4	27.7	27.7
125°	101.0	96.1	86.3	76.6	66.8	57.0	45.6	34.2	26.1	29.3	29.3
127.5°	118.9	112.4	99.4	86.3	74.9	61.9	48.9	35.8	27.7	29.3	29.3
130°	140.1	128.7	112.4	96.1	81.5	66.8	52.1	37.5	29.3	29.3	29.3
132.5°	161.3	145.0	123.8	105.9	88.0	70.1	53.8	37.5	29.3	29.3	29.3
135°	179.2	159.7	135.2	112.4	91.2	71.7	55.4	37.5	29.3	29.3	29.3
137.5°	195.5	169.4	141.7	115.7	92.9	71.7	53.8	37.5	27.7	27.7	27.7
140°	203.7	174.3	145.0	115.7	91.2	70.1	50.5	34.2	26.1	26.1	26.1
142.5°	203.7	172.7	141.7	112.4	88.0	66.8	47.2	32.6	22.8	24.4	24.4
145°	197.1	166.2	135.2	105.9	81.5	60.3	42.4	27.7	21.2	21.2	21.2
147.5°	182.5	153.1	123.8	96.1	73.3	52.1	37.5	24.4	17.9	16.3	17.9
150°	162.9	135.2	107.5	83.1	61.9	44.0	31.0	19.6	14.7	14.7	14.7
152.5°	136.9	112.4	89.6	68.4	48.9	34.2	22.8	14.7	11.4	11.4	11.4
155°	107.5	88.0	70.1	52.1	37.5	26.1	17.9	11.4	8.1	8.1	8.1
157.5°	81.5	66.8	52.1	37.5	27.7	19.6	13.0	8.1	6.5	6.5	6.5
160°	57.0	45.6	35.8	26.1	17.9	13.0	8.1	4.9	3.3	3.3	3.3
162.5°	35.8	29.3	22.8	14.7	11.4	8.1	4.9	3.3	1.6	1.6	1.6
165°	16.3	14.7	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	0.0	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)