

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: P691305

Luminaire Tested: **CRTK2-C015-D-U-T2-7050-RMARROA5-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691305
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-8)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C015-D-U-T2-7050-RMARROA5-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 5000K LED WITH TYPE II OPTIC AND NEMA REFRACTOR WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3330 lumens
Efficiency: N/A
Efficacy: 111.4 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.54')
IES Classification: Type I - Short
BUG Rating: B2 - U3 - G1

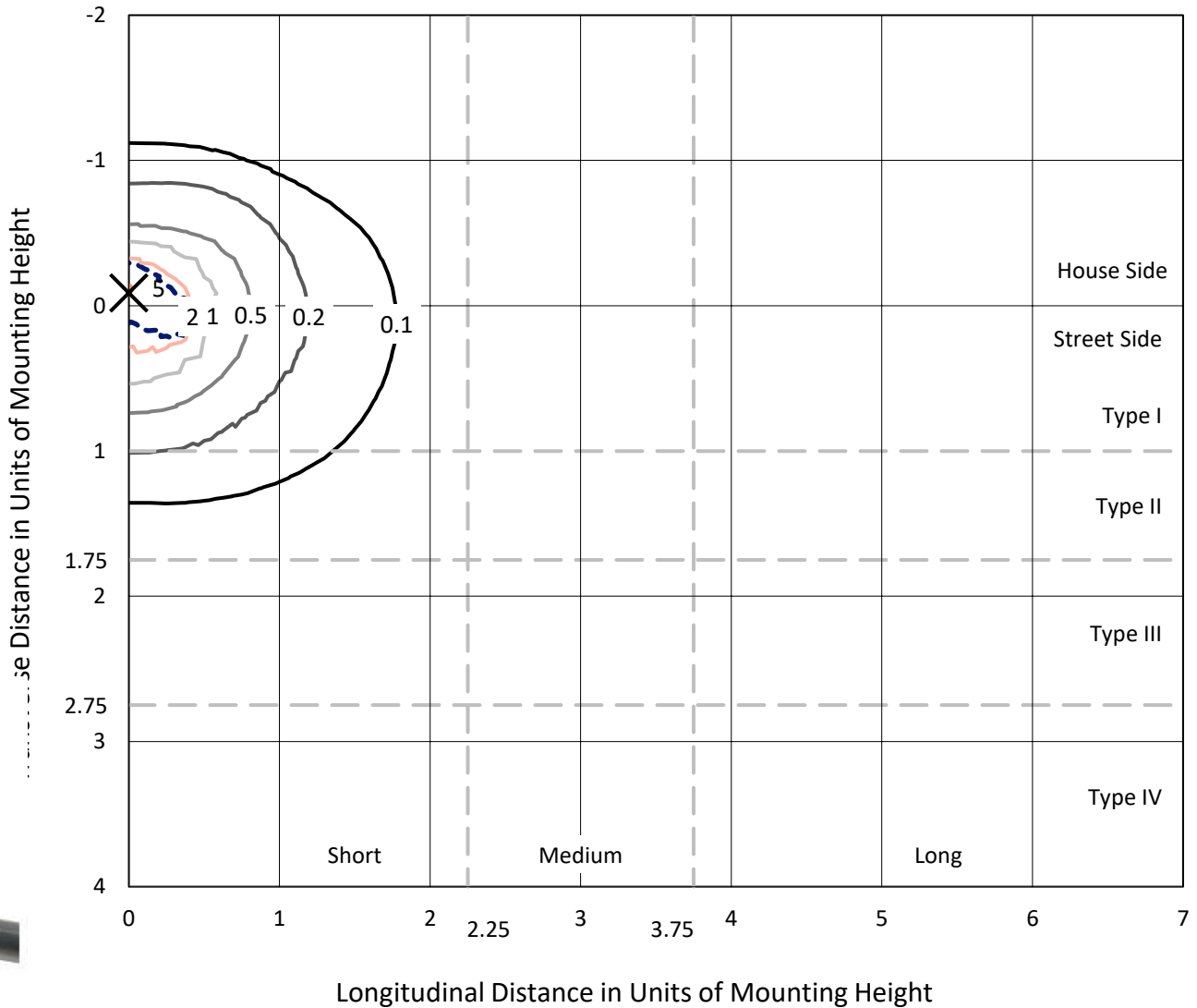
Input Watts (W): 29.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

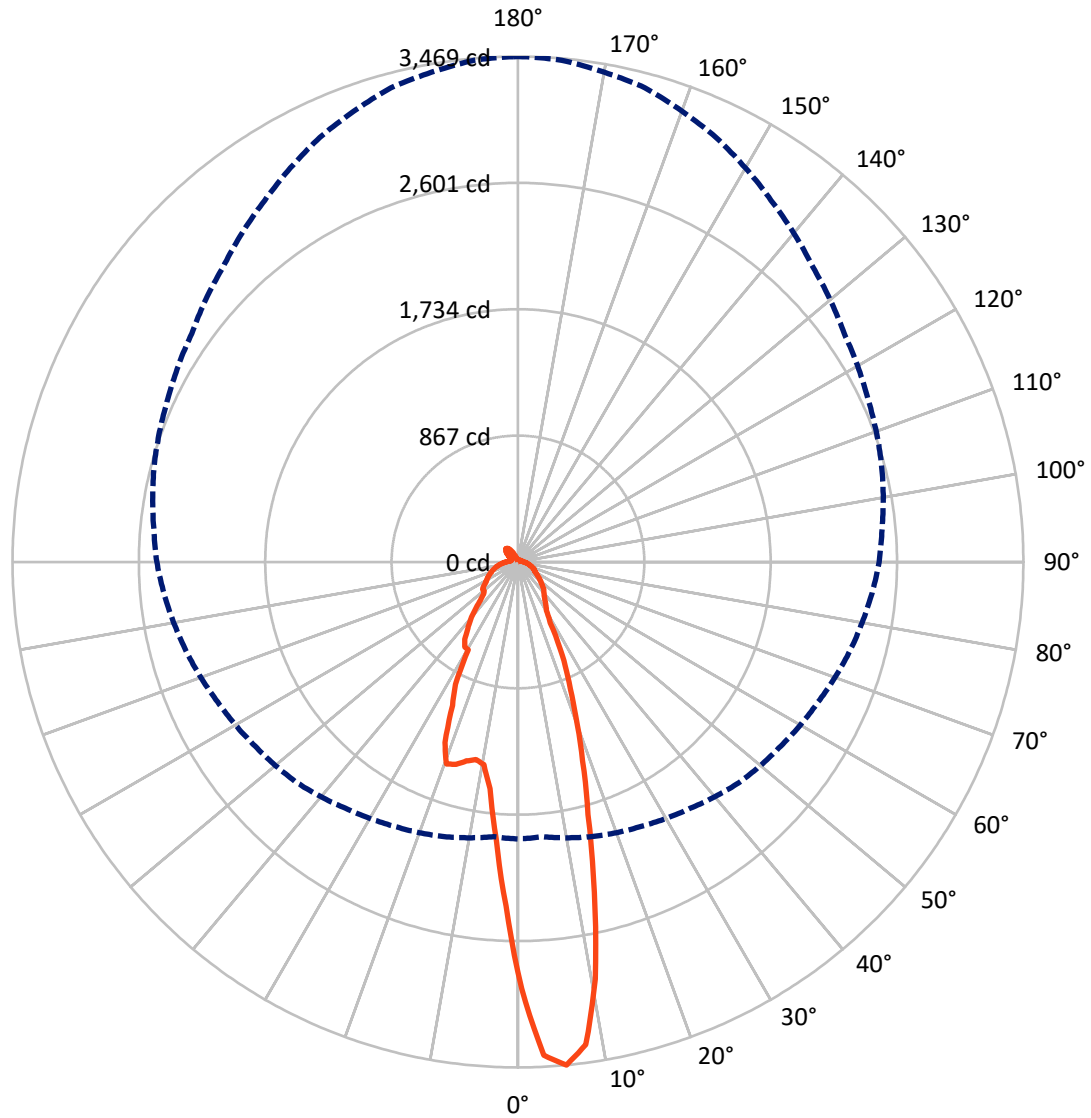
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.3 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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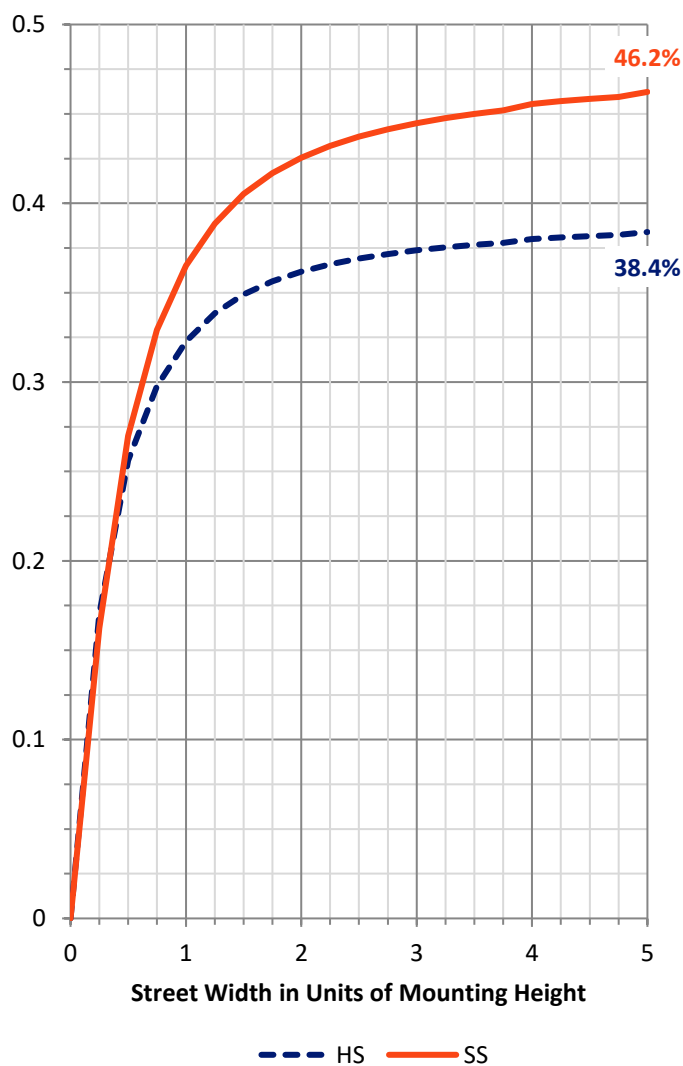
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1312.3	154.1	1466.4
	% Fixture	39.4	4.6	44.0
Street Side	Lumens	1577.2	286.4	1863.6
	% Fixture	47.4	8.6	56.0
Total	Lumens	2889.5	440.5	3330.0
	% Fixture	86.8	13.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	226.6	6.8
10°-20°	480.8	14.4
20°-30°	523.3	15.7
30°-40°	383.0	11.5
40°-50°	322.0	9.7
50°-60°	327.0	9.8
60°-70°	278.0	8.3
70°-80°	207.4	6.2
80°-90°	141.2	4.2
90°-100°	84.8	2.5
100°-110°	48.6	1.5
110°-120°	44.8	1.3
120°-130°	65.0	2.0
130°-140°	89.4	2.7
140°-150°	74.0	2.2
150°-160°	30.1	0.9
160°-170°	3.7	0.1
170°-180°	0.0	0.0
0°-90°	2889.5	86.8
0°-180°	3330.0	100.0

Coefficient of Utilization



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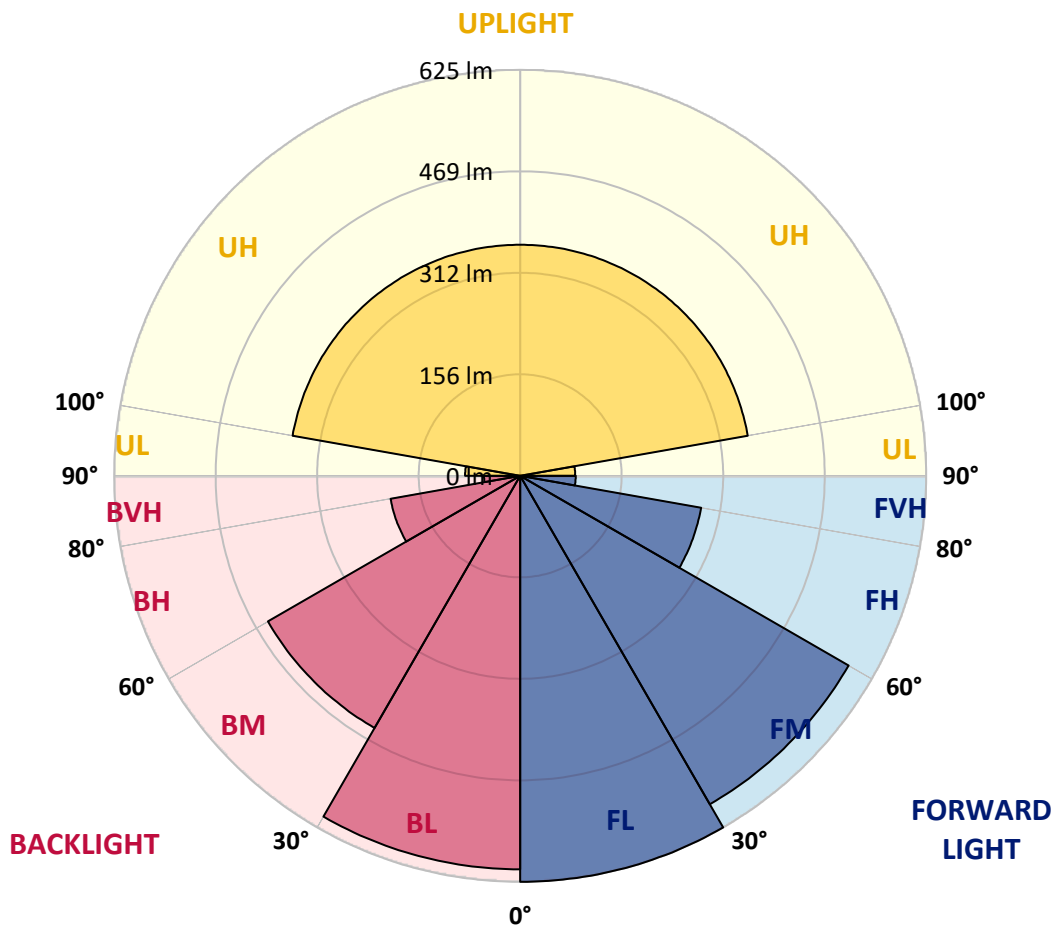
CATALOG NUMBER: CRTK2-C015-D-U-T2-7050-RMARROA5-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	625.0	18.8			
FM (30°-60°)	583.8	17.5			
FH (60°-80°)	282.9	8.5			G0/660
FVH (80°-90°)	85.5	2.6			G1/100
BL (0°-30°)	605.7	18.2	B2/1000		
BM (30°-60°)	448.3	13.5	B1/1000		
BH (60°-80°)	202.6	6.1	B1/500		G1/500
BVH (80°-90°)	55.7	1.7			G1/100
UL (90°-100°)	84.8	2.5		U3/500	
UH (100°-180°)	355.7	10.7		U3/500	

BUG Rating: B2-U3-G1

Type I Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2927.3	2927.3	2927.3	2927.3	2927.3	2927.3	2927.3	2927.3	2927.3	2927.3	2927.3
2.5°	2360.8	2356.4	2389.0	2396.4	2399.4	2433.5	2479.5	2510.6	2567.0	2621.8	2644.1
5°	1901.1	1892.2	1951.5	2002.0	2062.8	2142.8	2202.2	2273.3	2357.9	2439.4	2478.0
7.5°	1567.5	1579.3	1663.9	1767.7	1865.5	1960.4	2033.1	2093.9	2142.8	2194.7	2205.1
10°	1410.3	1420.7	1503.7	1603.1	1693.5	1789.9	1852.2	1904.1	1935.2	1973.8	1987.1
12.5°	1385.1	1392.5	1448.8	1518.5	1586.7	1674.2	1752.8	1810.7	1846.3	1877.4	1880.4
15°	1410.3	1413.2	1447.3	1493.3	1552.6	1625.3	1715.8	1781.0	1821.0	1834.4	1831.4
17.5°	1451.8	1451.8	1468.1	1506.7	1563.0	1632.7	1718.7	1785.5	1827.0	1832.9	1821.0
20°	1469.6	1472.6	1482.9	1525.9	1576.4	1640.1	1726.1	1782.5	1815.1	1798.8	1778.0
22.5°	1336.1	1330.2	1358.4	1448.8	1561.5	1675.7	1757.3	1821.0	1838.8	1784.0	1739.5
25°	1081.1	1084.0	1101.8	1146.3	1233.8	1339.1	1520.0	1714.3	1849.2	1828.5	1761.7
27.5°	943.1	934.2	938.7	946.1	934.2	912.0	932.8	928.3	925.4	978.7	984.7
30°	692.5	694.0	701.4	714.8	743.0	784.5	829.0	854.2	876.4	917.9	912.0
32.5°	688.1	689.6	694.0	705.9	720.7	748.9	777.1	787.4	811.2	845.3	834.9
35°	643.6	639.1	651.0	661.4	665.8	677.7	699.9	714.8	729.6	753.3	747.4
37.5°	570.9	572.4	596.1	612.5	616.9	633.2	654.0	665.8	682.1	702.9	692.5
40°	508.6	510.1	538.3	556.1	566.5	588.7	619.9	634.7	661.4	677.7	665.8
42.5°	437.5	443.4	462.7	483.4	489.4	502.7	523.5	542.8	576.9	599.1	591.7
45°	364.8	367.8	381.1	401.9	410.8	425.6	444.9	462.7	489.4	507.2	505.7
47.5°	321.8	324.8	336.6	354.4	372.2	391.5	412.3	430.1	455.3	470.1	464.2
50°	304.0	307.0	321.8	342.6	364.8	390.0	415.2	434.5	458.2	467.1	459.7
52.5°	307.0	307.0	327.7	354.4	385.6	419.7	450.8	474.5	493.8	499.7	483.4
55°	290.7	295.1	317.3	354.4	401.9	455.3	508.6	559.1	587.2	581.3	550.2
57.5°	265.4	269.9	286.2	326.2	376.7	440.4	516.1	578.3	612.5	616.9	585.8
60°	250.6	253.6	268.4	299.6	344.0	395.9	464.2	514.6	553.1	565.0	542.8
62.5°	237.3	240.2	252.1	275.8	308.5	348.5	387.0	419.7	450.8	462.7	453.8
65°	222.4	223.9	235.8	256.5	283.2	317.3	350.0	373.7	398.9	406.3	395.9
67.5°	207.6	209.1	219.5	238.8	264.0	295.1	320.3	347.0	372.2	378.1	370.7
70°	194.3	195.7	204.6	222.4	244.7	274.3	298.1	315.9	341.1	347.0	338.1
72.5°	180.9	182.4	191.3	207.6	228.4	255.1	275.8	293.6	314.4	315.9	308.5
75°	167.6	169.1	176.5	191.3	209.1	235.8	255.1	269.9	287.7	287.7	278.8
77.5°	152.7	155.7	161.6	175.0	191.3	216.5	234.3	249.1	264.0	262.5	253.6
80°	139.4	140.9	146.8	158.7	173.5	197.2	215.0	226.9	240.2	238.8	231.3
82.5°	124.6	126.0	130.5	142.4	155.7	178.0	195.7	207.6	219.5	216.5	209.1
85°	109.7	111.2	117.2	126.0	139.4	160.2	176.5	188.3	197.2	194.3	188.3
87.5°	97.9	97.9	102.3	111.2	123.1	142.4	157.2	169.1	176.5	175.0	169.1
90°	84.5	86.0	89.0	96.4	106.8	123.1	137.9	148.3	155.7	152.7	146.8
92.5°	74.1	74.1	77.1	84.5	93.4	108.3	121.6	130.5	136.4	134.9	130.5
95°	63.8	65.2	66.7	72.7	80.1	91.9	103.8	112.7	118.6	117.2	114.2
97.5°	56.4	57.8	59.3	62.3	69.7	77.1	87.5	94.9	100.8	99.4	96.4
100°	51.9	51.9	51.9	54.9	59.3	65.2	72.7	78.6	81.6	83.0	80.1
102.5°	47.5	47.5	48.9	48.9	51.9	54.9	59.3	63.8	65.2	65.2	65.2
105°	46.0	46.0	47.5	47.5	48.9	50.4	53.4	54.9	56.4	56.4	54.9
107.5°	46.0	46.0	46.0	46.0	47.5	48.9	50.4	51.9	51.9	51.9	50.4
110°	47.5	47.5	47.5	47.5	47.5	48.9	48.9	50.4	50.4	48.9	48.9



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	48.9	48.9	48.9	48.9	48.9	50.4	50.4	50.4	50.4	48.9	48.9
115°	51.9	51.9	51.9	53.4	53.4	53.4	53.4	53.4	53.4	51.9	50.4
117.5°	57.8	57.8	57.8	57.8	59.3	59.3	59.3	59.3	59.3	56.4	56.4
120°	65.2	63.8	65.2	66.7	68.2	68.2	68.2	68.2	68.2	65.2	63.8
122.5°	72.7	72.7	74.1	77.1	80.1	81.6	80.1	80.1	80.1	75.6	74.1
125°	81.6	81.6	86.0	91.9	96.4	97.9	96.4	96.4	96.4	91.9	89.0
127.5°	91.9	91.9	97.9	106.8	114.2	118.6	117.2	117.2	117.2	109.7	105.3
130°	102.3	102.3	111.2	123.1	134.9	137.9	139.4	140.9	140.9	132.0	126.0
132.5°	109.7	111.2	121.6	137.9	152.7	157.2	161.6	163.1	163.1	152.7	143.8
135°	117.2	118.6	132.0	151.3	167.6	178.0	182.4	183.9	185.4	173.5	163.1
137.5°	121.6	123.1	137.9	160.2	176.5	189.8	200.2	203.2	203.2	189.8	176.5
140°	121.6	123.1	139.4	160.2	178.0	194.3	206.1	212.1	212.1	198.7	186.8
142.5°	118.6	121.6	136.4	157.2	175.0	191.3	204.6	210.6	210.6	198.7	186.8
145°	112.7	114.2	129.0	146.8	164.6	183.9	198.7	204.6	204.6	192.8	180.9
147.5°	102.3	103.8	115.7	132.0	149.8	169.1	183.9	191.3	189.8	179.4	169.1
150°	89.0	89.0	99.4	112.7	130.5	148.3	163.1	170.5	170.5	160.2	151.3
152.5°	72.7	72.7	80.1	90.5	105.3	123.1	134.9	142.4	142.4	134.9	127.5
155°	56.4	56.4	62.3	69.7	81.6	94.9	103.8	111.2	111.2	105.3	99.4
157.5°	40.0	40.0	46.0	51.9	60.8	71.2	78.6	83.0	84.5	78.6	75.6
160°	26.7	26.7	29.7	34.1	41.5	48.9	53.4	57.8	59.3	54.9	53.4
162.5°	14.8	14.8	16.3	20.8	25.2	29.7	34.1	37.1	37.1	35.6	34.1
165°	4.4	4.4	5.9	7.4	10.4	13.3	14.8	16.3	17.8	17.8	16.3
167.5°	0.0	0.0	1.5	1.5	1.5	1.5	3.0	3.0	4.4	4.4	4.4
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°	2927.3	2927.3	2927.3	2927.3	2927.3	2927.3	2927.3	2927.3	2927.3	2927.3	2927.3
2.5°	2690.0	2773.1	2863.5	2951.0	3057.8	3169.0	3271.4	3341.1	3378.1	3390.0	3390.0
5°	2507.6	2583.3	2650.0	2733.0	2862.1	3029.6	3215.0	3369.2	3456.7	3467.1	3468.6
7.5°	2222.9	2285.2	2354.9	2429.0	2543.2	2693.0	2937.7	3186.8	3329.2	3355.9	3345.5
10°	1990.1	2028.7	2070.2	2098.4	2178.4	2289.7	2455.7	2700.4	2875.4	2896.2	2911.0
12.5°	1881.8	1887.8	1875.9	1881.8	1908.5	1960.4	2042.0	2182.9	2297.1	2316.3	2326.7
15°	1827.0	1797.3	1749.9	1705.4	1681.6	1686.1	1703.9	1761.7	1781.0	1813.6	1798.8
17.5°	1801.8	1735.0	1660.9	1574.9	1521.5	1466.6	1437.0	1426.6	1419.2	1420.7	1434.0
20°	1738.0	1662.4	1543.7	1431.0	1345.0	1269.4	1205.6	1159.7	1134.4	1122.6	1131.5
22.5°	1671.3	1554.1	1414.7	1293.1	1170.0	1073.6	1001.0	934.2	897.2	907.6	895.7
25°	1672.7	1497.8	1331.7	1171.5	1055.8	928.3	812.6	743.0	682.1	694.0	710.3
27.5°	1054.4	1008.4	889.8	796.3	680.7	616.9	559.1	510.1	476.0	477.5	473.1
30°	894.2	846.8	787.4	713.3	625.8	551.7	484.9	428.6	395.9	387.0	385.6
32.5°	826.0	786.0	731.1	658.4	578.3	504.2	437.5	385.6	352.9	351.5	351.5
35°	735.5	698.5	652.5	590.2	522.0	453.8	391.5	347.0	320.3	320.3	318.8
37.5°	679.2	646.6	602.1	544.2	483.4	415.2	360.4	320.3	292.1	290.7	292.1
40°	649.5	615.4	572.4	517.5	456.7	391.5	339.6	298.1	277.3	275.8	274.3
42.5°	590.2	563.5	526.4	476.0	422.6	364.8	315.9	278.8	261.0	259.5	261.0
45°	501.2	482.0	456.7	419.7	375.2	326.2	283.2	255.1	237.3	237.3	237.3
47.5°	459.7	441.9	413.7	376.7	338.1	292.1	256.5	232.8	216.5	216.5	216.5
50°	449.3	427.1	390.0	348.5	307.0	266.9	234.3	210.6	198.7	197.2	198.7
52.5°	464.2	430.1	379.6	330.7	284.7	246.2	215.0	192.8	180.9	180.9	180.9
55°	517.5	455.3	388.5	326.2	271.4	228.4	197.2	175.0	163.1	161.6	163.1
57.5°	553.1	474.5	391.5	321.8	262.5	216.5	182.4	158.7	146.8	145.3	146.8
60°	522.0	458.2	378.1	309.9	255.1	207.6	172.0	148.3	136.4	134.9	134.9
62.5°	433.0	395.9	338.1	280.3	235.8	194.3	161.6	139.4	127.5	126.0	127.5
65°	384.1	351.5	301.0	255.1	216.5	180.9	152.7	133.5	121.6	121.6	121.6
67.5°	357.4	327.7	280.3	235.8	200.2	167.6	140.9	123.1	112.7	112.7	112.7
70°	326.2	296.6	253.6	213.5	180.9	152.7	129.0	111.2	102.3	100.8	102.3
72.5°	299.6	269.9	229.9	192.8	163.1	137.9	117.2	100.8	93.4	91.9	93.4
75°	269.9	241.7	203.2	170.5	145.3	123.1	105.3	90.5	84.5	83.0	83.0
77.5°	244.7	218.0	182.4	152.7	130.5	109.7	93.4	83.0	77.1	75.6	75.6
80°	222.4	197.2	163.1	136.4	115.7	97.9	84.5	74.1	68.2	68.2	68.2
82.5°	198.7	176.5	145.3	120.1	102.3	87.5	74.1	65.2	60.8	60.8	60.8
85°	179.4	157.2	127.5	106.8	89.0	75.6	65.2	57.8	53.4	53.4	53.4
87.5°	158.7	139.4	112.7	93.4	78.6	66.7	56.4	48.9	47.5	46.0	46.0
90°	137.9	120.1	96.4	80.1	66.7	56.4	47.5	41.5	40.0	38.6	38.6
92.5°	123.1	106.8	87.5	72.7	60.8	50.4	44.5	38.6	37.1	37.1	35.6
95°	106.8	93.4	77.1	65.2	54.9	47.5	41.5	37.1	35.6	35.6	34.1
97.5°	91.9	80.1	68.2	59.3	50.4	44.5	38.6	35.6	32.6	32.6	32.6
100°	77.1	68.2	59.3	50.4	46.0	40.0	35.6	32.6	31.1	29.7	29.7
102.5°	62.3	56.4	48.9	44.5	38.6	34.1	31.1	28.2	26.7	26.7	26.7
105°	53.4	48.9	44.5	40.0	35.6	31.1	28.2	25.2	23.7	23.7	23.7
107.5°	48.9	46.0	41.5	37.1	34.1	29.7	26.7	22.2	20.8	22.2	22.2
110°	47.5	44.5	40.0	37.1	32.6	29.7	26.7	20.8	19.3	20.8	20.8



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CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	179°	180°
112.5°	47.5	44.5	41.5	37.1	34.1	29.7	26.7	20.8	19.3	19.3	19.3
115°	48.9	47.5	43.0	40.0	35.6	31.1	26.7	20.8	19.3	19.3	19.3
117.5°	54.9	51.9	47.5	43.0	38.6	32.6	28.2	20.8	19.3	19.3	19.3
120°	60.8	57.8	53.4	47.5	41.5	35.6	29.7	20.8	17.8	19.3	19.3
122.5°	71.2	66.7	60.8	53.4	46.0	38.6	29.7	22.2	16.3	19.3	19.3
125°	84.5	78.6	69.7	59.3	50.4	41.5	31.1	22.2	17.8	19.3	19.3
127.5°	99.4	91.9	80.1	66.7	54.9	43.0	32.6	22.2	17.8	17.8	19.3
130°	118.6	106.8	90.5	74.1	59.3	46.0	32.6	22.2	17.8	17.8	17.8
132.5°	134.9	120.1	99.4	80.1	62.3	47.5	32.6	22.2	16.3	16.3	16.3
135°	151.3	132.0	106.8	84.5	65.2	47.5	32.6	20.8	16.3	16.3	16.3
137.5°	164.6	139.4	112.7	86.0	65.2	46.0	31.1	19.3	14.8	14.8	14.8
140°	172.0	143.8	114.2	86.0	62.3	44.5	28.2	17.8	13.3	13.3	13.3
142.5°	172.0	142.4	112.7	83.0	59.3	41.5	25.2	14.8	11.9	11.9	11.9
145°	166.1	136.4	106.8	78.6	54.9	37.1	22.2	13.3	8.9	8.9	10.4
147.5°	155.7	126.0	97.9	71.2	48.9	31.1	19.3	10.4	7.4	7.4	7.4
150°	137.9	111.2	84.5	62.3	41.5	26.7	16.3	8.9	5.9	5.9	5.9
152.5°	115.7	91.9	71.2	51.9	34.1	20.8	11.9	7.4	4.4	4.4	4.4
155°	91.9	72.7	56.4	40.0	25.2	16.3	8.9	5.9	4.4	4.4	4.4
157.5°	68.2	54.9	41.5	29.7	19.3	11.9	7.4	4.4	3.0	3.0	3.0
160°	47.5	38.6	28.2	19.3	11.9	7.4	4.4	3.0	1.5	1.5	1.5
162.5°	31.1	23.7	17.8	11.9	7.4	4.4	3.0	1.5	1.5	1.5	1.5
165°	14.8	11.9	8.9	5.9	3.0	3.0	1.5	1.5	0.0	0.0	0.0
167.5°	4.4	3.0	1.5	1.5	1.5	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)