

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: P691736

Luminaire Tested: **CRTK2-C018-D-U-T5R-7050-SR-CARETAKER-DS-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691736
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-22)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C018-D-U-T5R-7050-SR-CARETAKER-DS-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 5000K LED WITH TYPE V ROUND OPTIC AND SR REFRACTOR WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4466 lumens
Efficiency: N/A
Efficacy: 88.6 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.29')
IES Classification: Type IV - Short
BUG Rating: B1 - U3 - G2

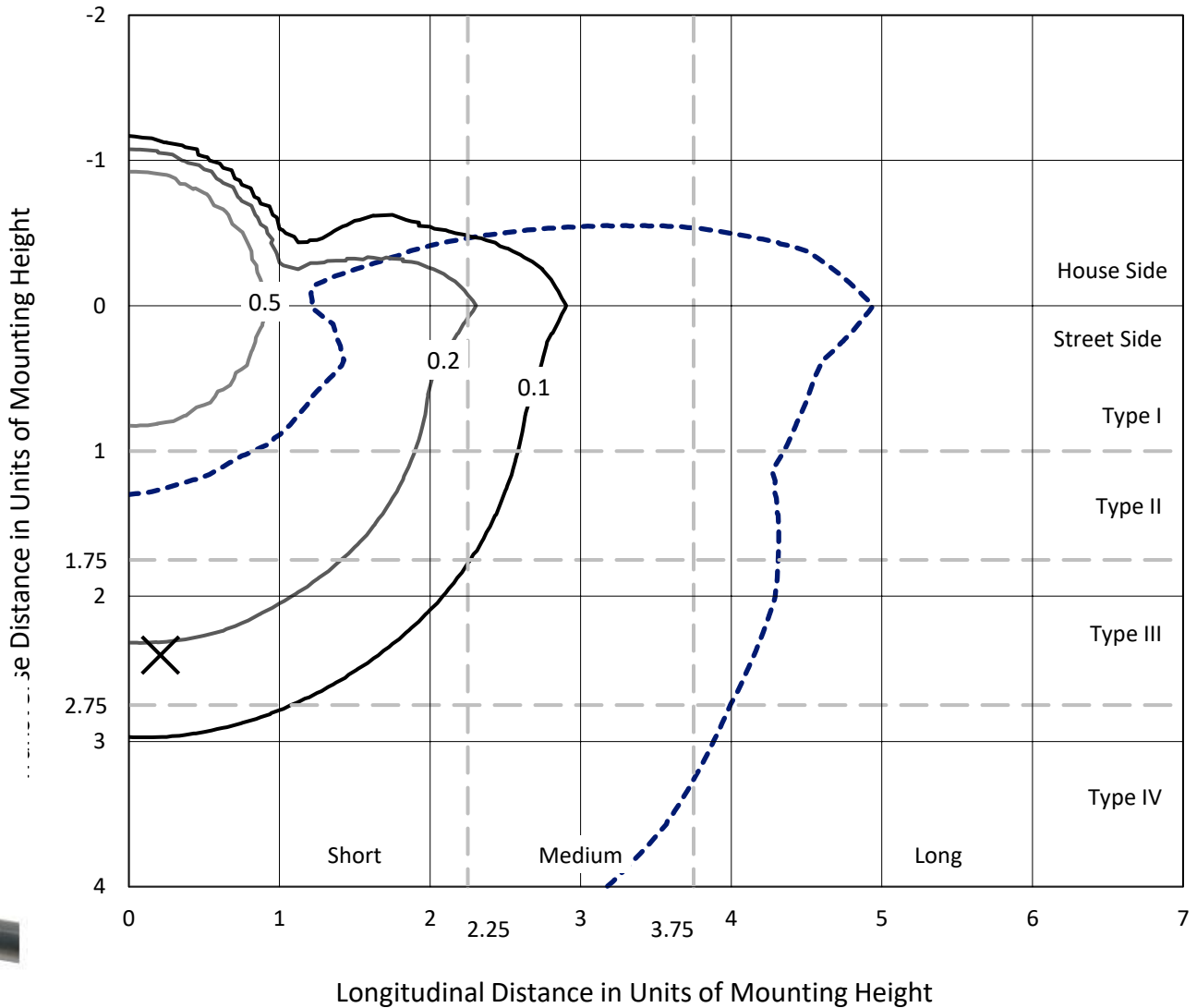
Input Watts (W): 50.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

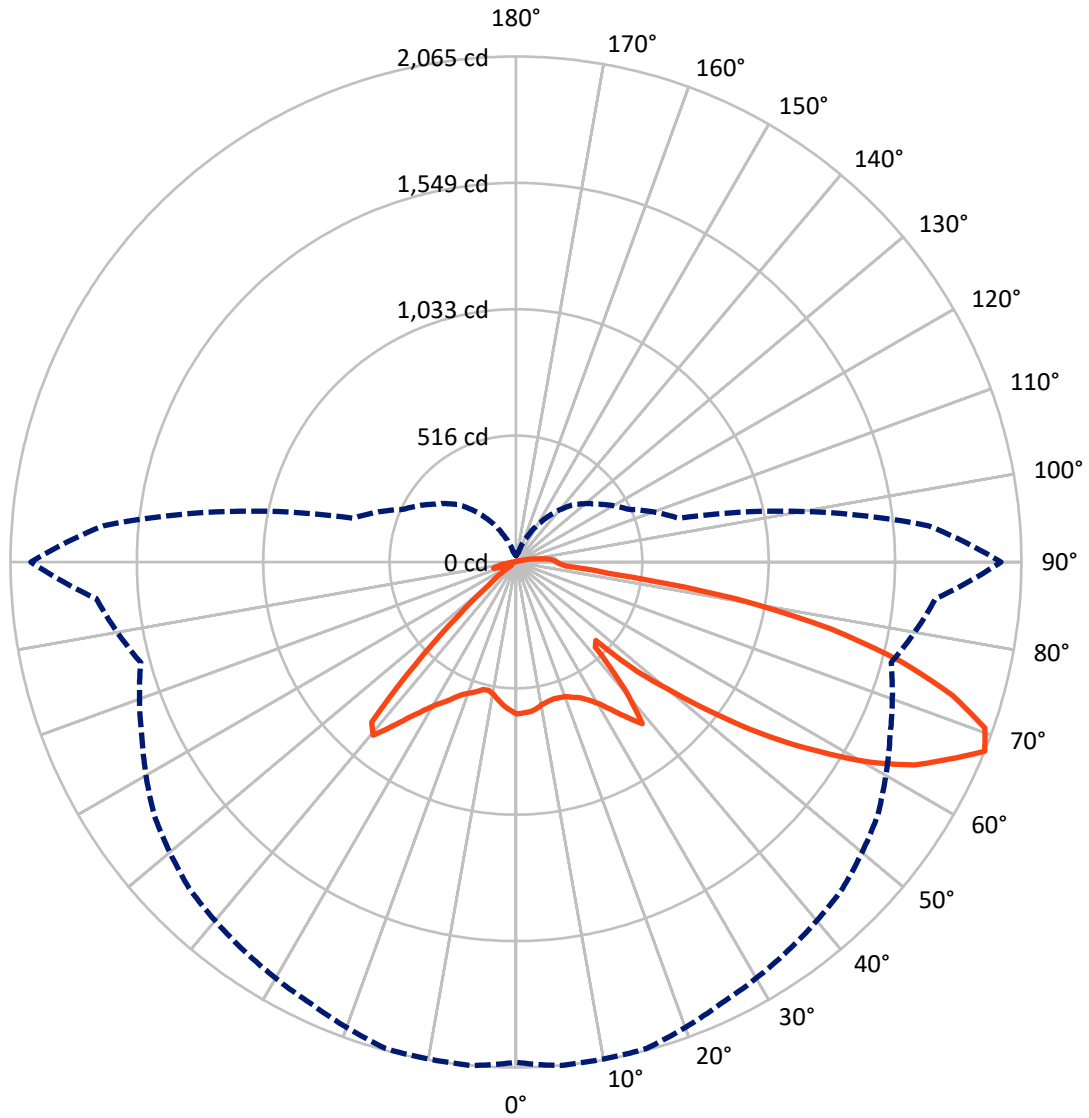
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 5-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical



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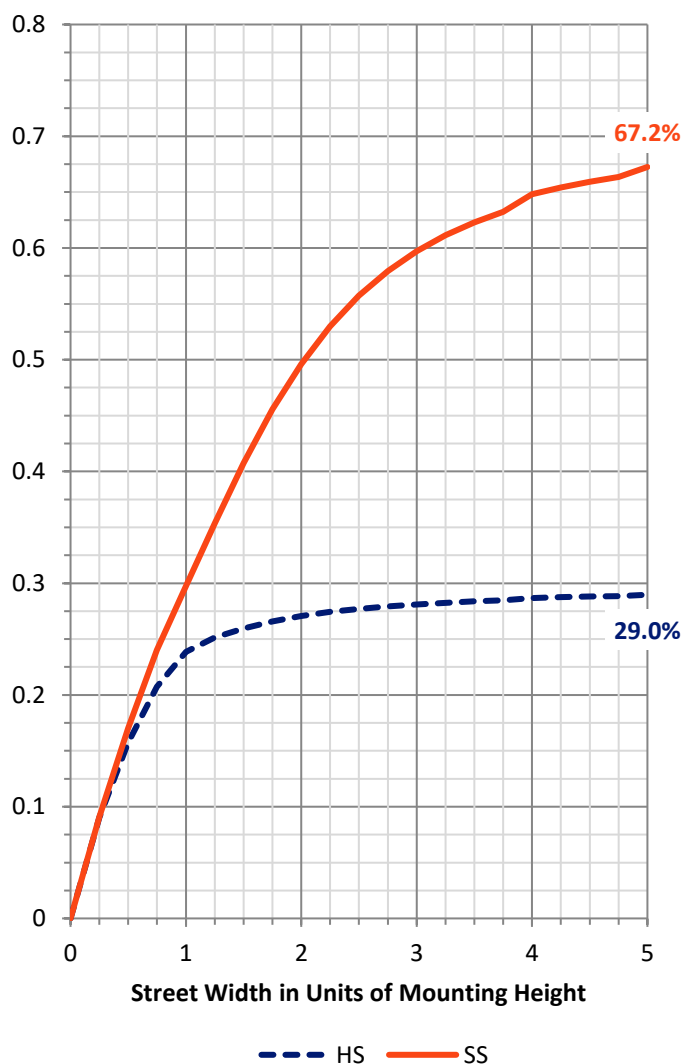
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1308.9	19.7	1328.5
	% Fixture	29.3	0.4	29.7
Street Side	Lumens	3060.6	76.9	3137.4
	% Fixture	68.5	1.7	70.3
Total	Lumens	4369.4	96.5	4466.0
	% Fixture	97.8	2.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	57.4	1.3
10°-20°	165.7	3.7
20°-30°	294.4	6.6
30°-40°	492.3	11.0
40°-50°	449.6	10.1
50°-60°	667.3	14.9
60°-70°	1094.8	24.5
70°-80°	939.6	21.0
80°-90°	208.4	4.7
90°-100°	70.3	1.6
100°-110°	17.3	0.4
110°-120°	5.5	0.1
120°-130°	3.1	0.1
130°-140°	0.3	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4369.4	97.8
0°-180°	4466.0	100.0

Coefficient of Utilization



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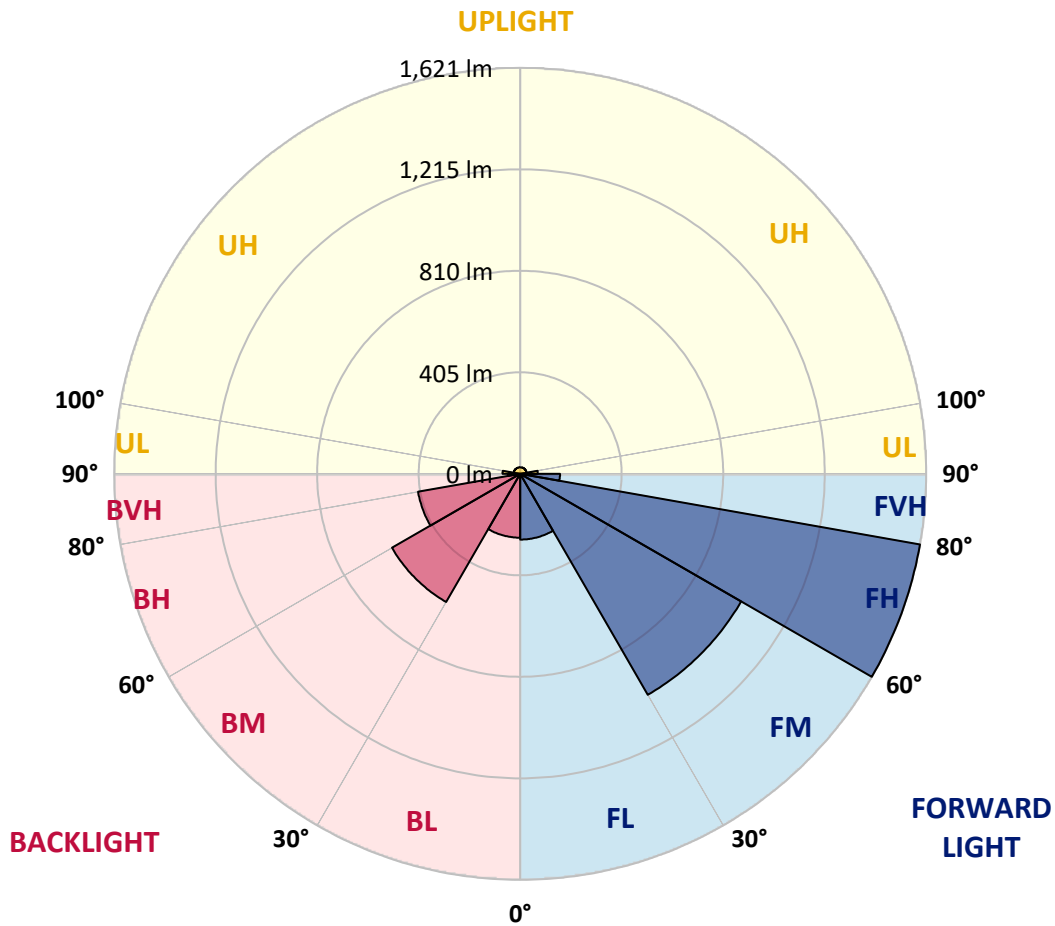
CATALOG NUMBER: CRTK2-C018-D-U-T5R-7050-SR-CARETAKER-DS-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	262.5	5.9			
FM (30°-60°)	1018.5	22.8			
FH (60°-80°)	1620.6	36.3			G1/1800
FVH (80°-90°)	158.9	3.6			G2/225
BL (0°-30°)	255.0	5.7	B1/500		
BM (30°-60°)	590.7	13.2	B1/1000		
BH (60°-80°)	413.7	9.3	B1/500		G1/500
BVH (80°-90°)	49.5	1.1			G1/100
UL (90°-100°)	70.3	1.6		U3/500	
UH (100°-180°)	26.2	0.6		U2/50	

BUG Rating: B1-U3-G2

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	621.4	621.4	621.4	621.4	621.4	621.4	621.4	621.4	621.4	621.4	621.4
2.5°	616.7	616.7	616.7	619.0	621.4	619.0	616.7	614.4	612.1	614.4	614.4
5°	614.4	614.4	616.7	616.7	619.0	621.4	619.0	616.7	614.4	614.4	614.4
7.5°	602.9	605.2	605.2	607.5	609.8	614.4	614.4	609.8	609.8	609.8	609.8
10°	591.3	591.3	593.6	595.9	598.3	602.9	602.9	598.3	600.6	602.9	602.9
12.5°	584.4	584.4	586.7	591.3	593.6	595.9	598.3	598.3	600.6	598.3	600.6
15°	579.8	579.8	579.8	586.7	593.6	595.9	600.6	602.9	605.2	605.2	605.2
17.5°	582.1	582.1	582.1	591.3	595.9	602.9	607.5	609.8	609.8	612.1	612.1
20°	586.7	586.7	589.0	595.9	605.2	612.1	616.7	619.0	619.0	623.7	623.7
22.5°	595.9	600.6	598.3	605.2	612.1	621.4	628.3	632.9	632.9	637.5	637.5
25°	616.7	614.4	616.7	623.7	630.6	637.5	642.1	649.1	651.4	656.0	656.0
27.5°	639.8	639.8	639.8	646.8	651.4	658.3	662.9	667.6	672.2	679.1	681.4
30°	674.5	672.2	669.9	676.8	681.4	688.3	693.0	695.3	695.3	699.9	704.5
32.5°	720.7	720.7	720.7	725.3	727.6	734.5	736.9	739.2	736.9	743.8	746.1
35°	778.4	778.4	780.7	785.4	792.3	796.9	799.2	796.9	799.2	803.8	808.5
37.5°	836.2	838.5	845.4	852.3	857.0	866.2	873.1	873.1	875.4	889.3	889.3
40°	676.8	683.7	690.7	706.8	727.6	755.3	801.5	820.0	873.1	900.9	907.8
42.5°	459.7	475.8	494.3	515.1	531.3	533.6	577.5	602.9	656.0	706.8	720.7
45°	438.9	457.4	475.8	462.0	473.5	436.6	480.5	485.1	510.5	549.8	653.7
47.5°	644.5	669.9	695.3	660.6	667.6	586.7	602.9	584.4	526.7	591.3	764.6
50°	840.8	838.5	875.4	859.3	877.8	790.0	796.9	760.0	669.9	760.0	1007.1
52.5°	1030.2	1048.7	1088.0	1083.3	1097.2	984.0	963.2	930.9	790.0	928.6	1219.6
55°	1249.6	1263.5	1300.5	1288.9	1282.0	1168.8	1131.8	1099.5	963.2	1143.4	1446.0
57.5°	1455.2	1462.2	1506.0	1466.8	1443.7	1358.2	1307.4	1254.3	1120.3	1339.7	1603.1
60°	1651.6	1660.8	1686.2	1633.1	1596.1	1529.1	1466.8	1409.0	1284.3	1515.3	1748.6
62.5°	1836.4	1827.1	1838.7	1771.7	1746.3	1686.2	1619.2	1547.6	1439.1	1653.9	1889.5
65°	1942.6	1942.6	1956.5	1871.0	1831.7	1794.8	1720.9	1637.7	1538.4	1720.9	1977.3
67.5°	2044.2	2065.0	2058.1	1988.8	1938.0	1887.2	1804.0	1686.2	1586.9	1720.9	1981.9
70°	2007.3	2032.7	2005.0	1949.5	1898.7	1838.7	1762.4	1646.9	1536.1	1637.7	1875.6
72.5°	1847.9	1866.4	1854.8	1806.3	1744.0	1704.7	1623.8	1536.1	1406.7	1494.5	1702.4
75°	1630.8	1626.2	1646.9	1591.5	1538.4	1501.4	1422.9	1367.4	1247.3	1312.0	1510.7
77.5°	1314.3	1316.6	1360.5	1298.2	1256.6	1231.2	1159.6	1113.4	1004.8	1062.5	1215.0
80°	882.4	907.8	949.4	882.4	875.4	840.8	780.7	750.7	667.6	695.3	776.1
82.5°	367.3	378.8	392.7	371.9	365.0	353.4	328.0	318.8	286.4	300.3	300.3
85°	205.6	203.3	210.2	210.2	205.6	196.3	187.1	170.9	157.1	154.8	143.2
87.5°	173.2	175.6	180.2	180.2	170.9	164.0	152.5	140.9	129.4	122.4	110.9
90°	161.7	164.0	166.3	159.4	150.1	143.2	134.0	124.7	115.5	110.9	99.3
92.5°	154.8	154.8	154.8	145.5	136.3	129.4	122.4	113.2	106.3	101.6	92.4
95°	129.4	127.0	124.7	120.1	110.9	103.9	99.3	90.1	85.5	80.8	76.2
97.5°	97.0	94.7	92.4	90.1	80.8	76.2	73.9	69.3	64.7	57.7	55.4
100°	69.3	67.0	67.0	64.7	60.1	55.4	53.1	48.5	43.9	39.3	37.0
102.5°	46.2	43.9	43.9	41.6	39.3	37.0	32.3	30.0	25.4	23.1	20.8
105°	25.4	25.4	25.4	23.1	23.1	20.8	18.5	16.2	13.9	13.9	11.5
107.5°	18.5	18.5	18.5	18.5	16.2	16.2	13.9	11.5	11.5	9.2	9.2
110°	13.9	13.9	13.9	13.9	13.9	11.5	11.5	9.2	9.2	6.9	6.9



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	11.5	11.5	11.5	11.5	11.5	11.5	9.2	9.2	6.9	6.9	6.9
115°	11.5	11.5	11.5	11.5	9.2	9.2	6.9	6.9	6.9	6.9	4.6
117.5°	9.2	9.2	9.2	9.2	9.2	6.9	6.9	6.9	6.9	4.6	6.9
120°	9.2	9.2	9.2	9.2	6.9	6.9	6.9	4.6	4.6	4.6	4.6
122.5°	6.9	6.9	6.9	6.9	6.9	6.9	6.9	4.6	4.6	4.6	4.6
125°	6.9	6.9	6.9	6.9	6.9	4.6	4.6	4.6	4.6	4.6	4.6
127.5°	6.9	6.9	4.6	6.9	4.6	4.6	4.6	4.6	4.6	2.3	4.6
130°	6.9	6.9	4.6	4.6	4.6	4.6	4.6	4.6	2.3	2.3	2.3
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	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



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CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	621.4	621.4	621.4	621.4	621.4	621.4	621.4	621.4	621.4	621.4
2.5°	616.7	616.7	619.0	616.7	616.7	612.1	609.8	607.5	607.5	607.5
5°	614.4	614.4	612.1	607.5	605.2	600.6	595.9	593.6	591.3	593.6
7.5°	609.8	605.2	600.6	591.3	584.4	582.1	572.9	570.5	570.5	570.5
10°	600.6	595.9	584.4	572.9	568.2	561.3	554.4	547.4	549.8	552.1
12.5°	598.3	586.7	577.5	565.9	559.0	547.4	545.1	538.2	535.9	535.9
15°	600.6	591.3	579.8	570.5	561.3	556.7	547.4	545.1	538.2	542.8
17.5°	609.8	595.9	586.7	577.5	568.2	563.6	556.7	552.1	554.4	554.4
20°	619.0	605.2	595.9	589.0	579.8	572.9	570.5	565.9	568.2	563.6
22.5°	632.9	619.0	612.1	602.9	595.9	591.3	586.7	589.0	584.4	586.7
25°	651.4	639.8	630.6	623.7	616.7	612.1	612.1	612.1	609.8	612.1
27.5°	676.8	665.2	658.3	653.7	646.8	642.1	637.5	639.8	642.1	639.8
30°	699.9	686.0	683.7	679.1	674.5	672.2	672.2	672.2	672.2	676.8
32.5°	736.9	723.0	718.4	718.4	713.8	711.4	709.1	713.8	716.1	713.8
35°	794.6	776.1	771.5	769.2	766.9	766.9	769.2	769.2	769.2	769.2
37.5°	866.2	840.8	836.2	833.9	833.9	833.9	831.6	833.9	840.8	843.1
40°	898.5	882.4	889.3	900.9	907.8	907.8	905.5	910.1	917.0	917.0
42.5°	727.6	693.0	718.4	764.6	794.6	831.6	838.5	861.6	880.1	880.1
45°	591.3	448.1	457.4	487.4	501.2	533.6	552.1	572.9	584.4	568.2
47.5°	665.2	288.7	237.9	247.2	212.5	256.4	286.4	318.8	325.7	332.6
50°	1044.1	298.0	201.0	145.5	97.0	129.4	136.3	154.8	150.1	152.5
52.5°	1268.1	341.9	201.0	129.4	80.8	85.5	78.5	87.8	92.4	101.6
55°	1422.9	411.2	261.0	164.0	94.7	57.7	39.3	30.0	27.7	27.7
57.5°	1496.8	503.6	339.6	233.3	147.8	80.8	34.6	25.4	23.1	20.8
60°	1566.1	602.9	429.6	318.8	233.3	143.2	64.7	25.4	20.8	20.8
62.5°	1628.5	702.2	519.7	413.5	328.0	224.1	120.1	43.9	23.1	23.1
65°	1679.3	723.0	526.7	448.1	353.4	263.3	157.1	53.1	25.4	25.4
67.5°	1693.1	688.3	508.2	411.2	330.3	224.1	122.4	43.9	30.0	27.7
70°	1600.7	653.7	510.5	390.4	298.0	198.6	80.8	50.8	39.3	37.0
72.5°	1448.3	605.2	485.1	378.8	286.4	201.0	94.7	83.2	73.9	69.3
75°	1275.1	547.4	448.1	362.7	277.2	194.0	110.9	103.9	94.7	92.4
77.5°	1023.3	455.0	376.5	307.2	233.3	154.8	92.4	87.8	76.2	76.2
80°	672.2	339.6	284.1	235.6	177.9	108.6	69.3	62.4	55.4	53.1
82.5°	274.9	198.6	170.9	147.8	115.5	69.3	46.2	39.3	32.3	30.0
85°	134.0	99.3	85.5	69.3	57.7	39.3	30.0	25.4	18.5	18.5
87.5°	108.6	78.5	64.7	53.1	39.3	27.7	20.8	16.2	11.5	9.2
90°	99.3	69.3	55.4	43.9	32.3	23.1	13.9	11.5	6.9	4.6
92.5°	90.1	60.1	48.5	34.6	25.4	18.5	9.2	6.9	4.6	4.6
95°	73.9	46.2	37.0	27.7	20.8	13.9	9.2	4.6	2.3	2.3
97.5°	53.1	34.6	27.7	20.8	16.2	9.2	6.9	4.6	2.3	2.3
100°	37.0	23.1	20.8	16.2	11.5	6.9	4.6	2.3	2.3	2.3
102.5°	18.5	13.9	13.9	11.5	9.2	6.9	2.3	2.3	0.0	0.0
105°	11.5	9.2	9.2	6.9	4.6	4.6	2.3	2.3	0.0	0.0
107.5°	6.9	6.9	6.9	4.6	4.6	2.3	2.3	0.0	0.0	0.0
110°	6.9	4.6	4.6	4.6	2.3	2.3	2.3	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	4.6	4.6	4.6	2.3	2.3	2.3	2.3	0.0	0.0	0.0
115°	4.6	4.6	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0
117.5°	4.6	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0
120°	4.6	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0
122.5°	4.6	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0
125°	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0
127.5°	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0	0.0
130°	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	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
172.5°	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
177.5°	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

(END OF REPORT)