

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: P691722

Luminaire Tested: **CRTK2-C018-D-U-T5R-7030-SR-CARETAKER-DS-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691722
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-7030-SR-CARETAKER-DS-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K 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: 4288 lumens
Efficiency: N/A
Efficacy: 85.1 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.29')
IES Classification: Type IV - Short
BUG Rating: B1 - U3 - G2

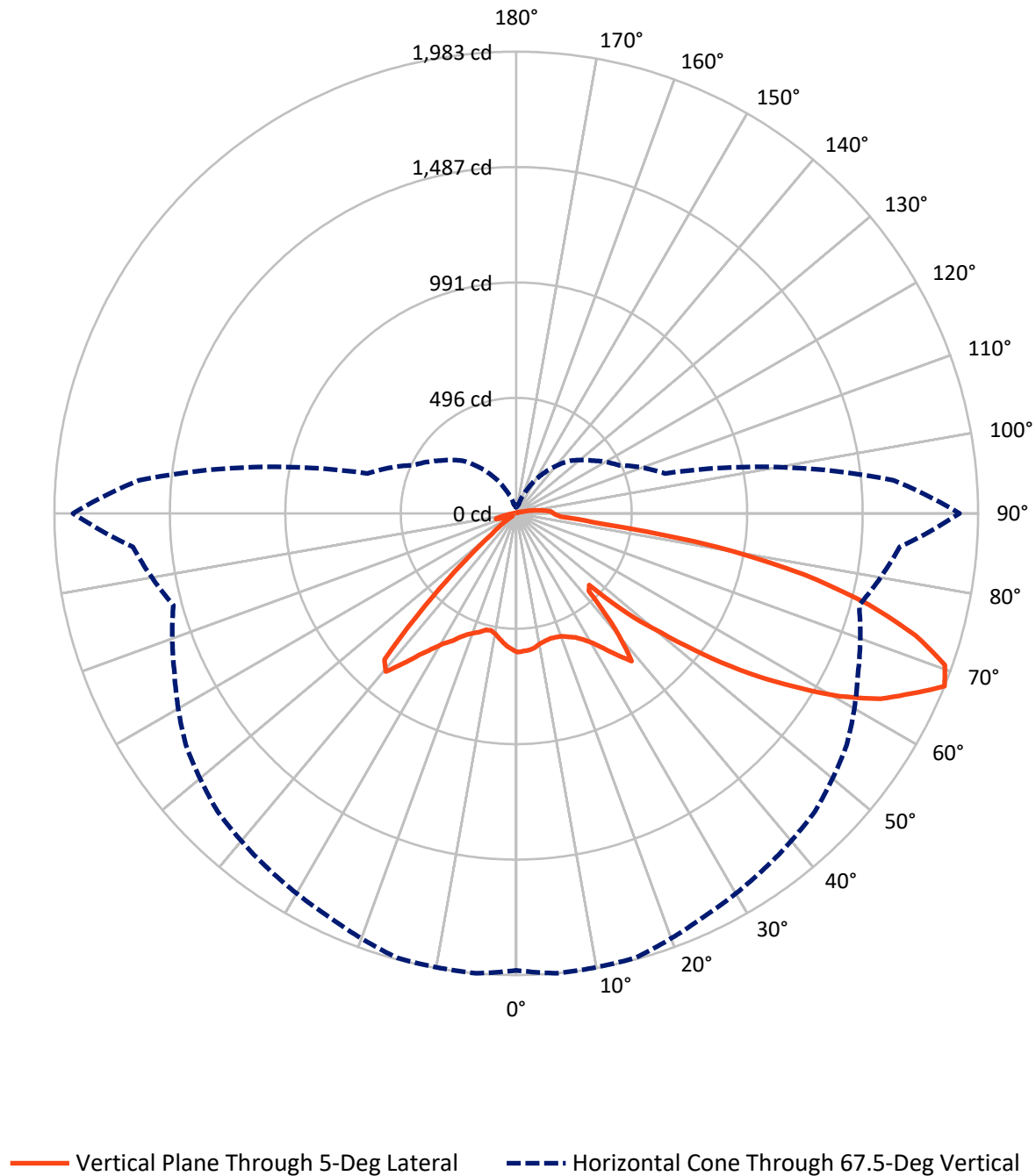
Input Watts (W): 50.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P691722

CATALOG NUMBER: CRTK2-C018-D-U-T5R-7030-SR-CARETAKER-DS-HSS-CRTK2

Luminous Intensity Polar Plot



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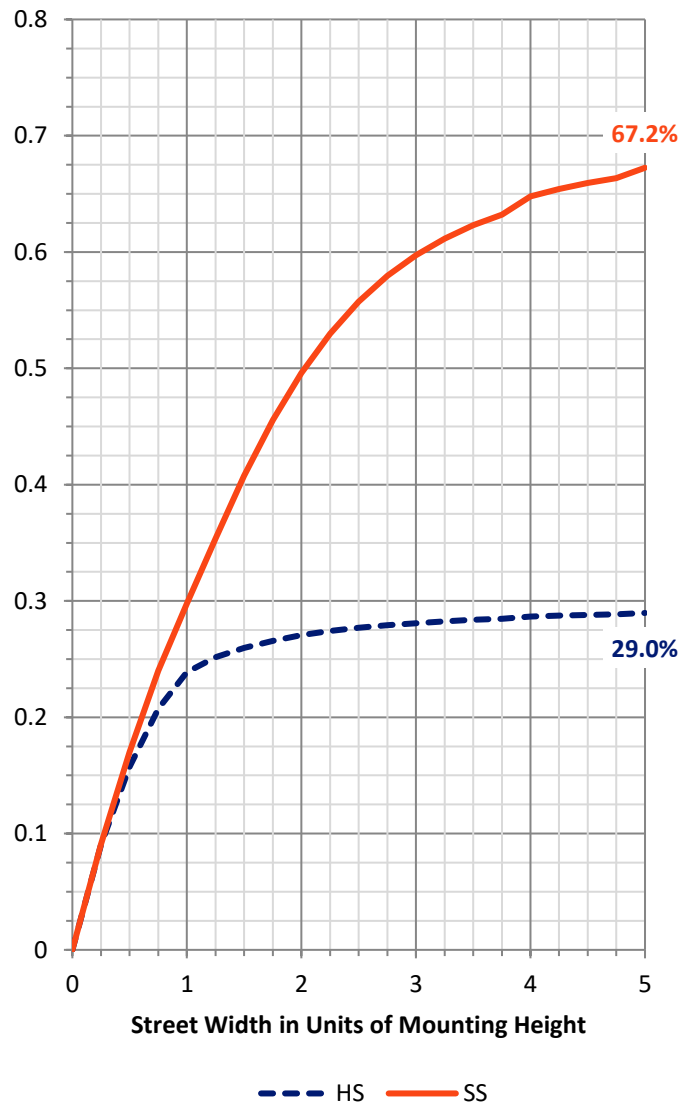
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1256.7	18.9	1275.6
	% Fixture	29.3	0.4	29.7
Street Side	Lumens	2938.6	73.8	3012.4
	% Fixture	68.5	1.7	70.3
Total	Lumens	4195.3	92.7	4288.0
	% Fixture	97.8	2.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	55.1	1.3
10°-20°	159.1	3.7
20°-30°	282.7	6.6
30°-40°	472.7	11.0
40°-50°	431.7	10.1
50°-60°	640.7	14.9
60°-70°	1051.1	24.5
70°-80°	902.1	21.0
80°-90°	200.1	4.7
90°-100°	67.5	1.6
100°-110°	16.6	0.4
110°-120°	5.3	0.1
120°-130°	3.0	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°	4195.3	97.8
0°-180°	4288.0	100.0

Coefficient of Utilization



REPORT NUMBER: P691722

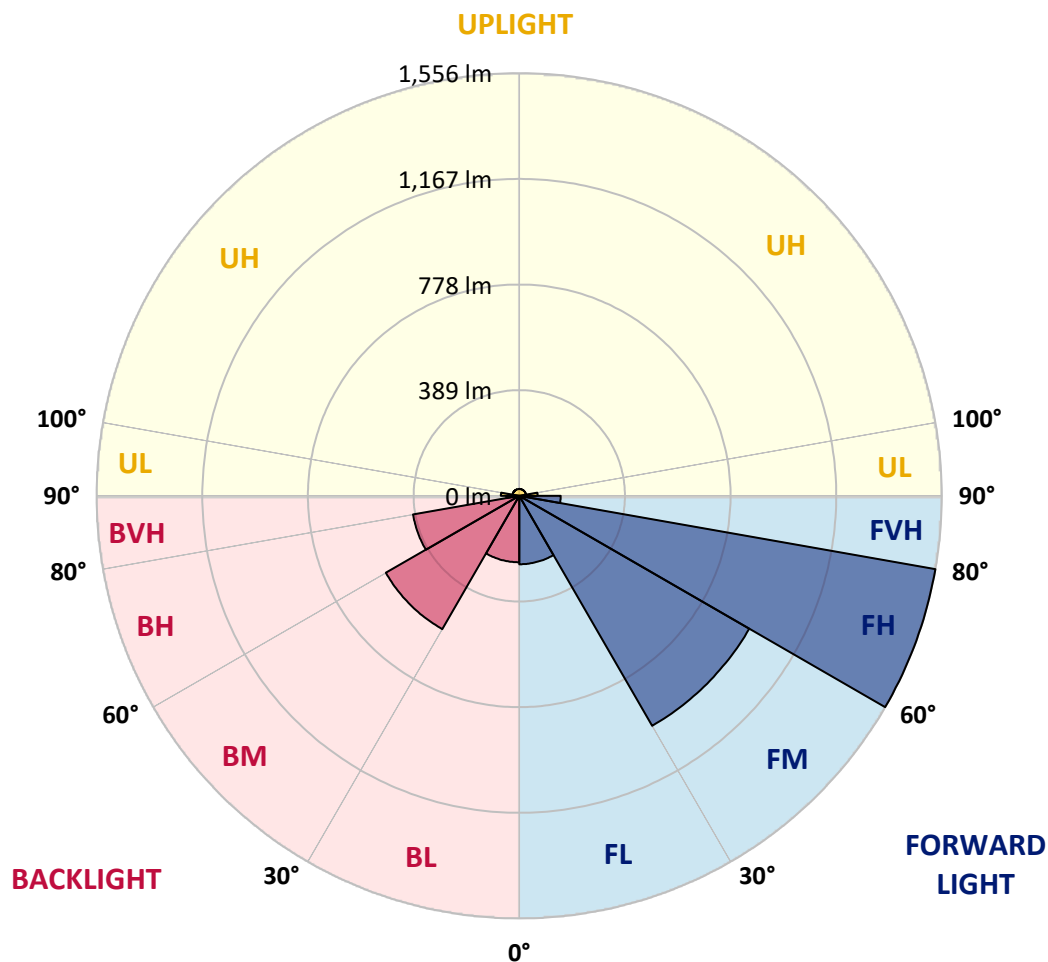
CATALOG NUMBER: CRTK2-C018-D-U-T5R-7030-SR-CARETAKER-DS-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	252.0	5.9			
FM	(30°-60°)	978.0	22.8			
FH	(60°-80°)	1556.0	36.3			G1/1800
FVH	(80°-90°)	152.6	3.6			G2/225
BL	(0°-30°)	244.8	5.7	B1/500		
BM	(30°-60°)	567.1	13.2	B1/1000		
BH	(60°-80°)	397.2	9.3	B1/500		G1/500
BVH	(80°-90°)	47.5	1.1			G1/100
UL	(90°-100°)	67.5	1.6		U3/500	
UH	(100°-180°)	25.2	0.6		U2/50	

BUG Rating: B1-U3-G2

Type IV Short



REPORT NUMBER: P691722

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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	596.6	596.6	596.6	596.6	596.6	596.6	596.6	596.6	596.6	596.6	596.6
2.5°	592.2	592.2	592.2	594.4	596.6	594.4	592.2	589.9	587.7	589.9	589.9
5°	589.9	589.9	592.2	592.2	594.4	596.6	594.4	592.2	589.9	589.9	589.9
7.5°	578.9	581.1	581.1	583.3	585.5	589.9	589.9	585.5	585.5	585.5	585.5
10°	567.8	567.8	570.0	572.2	574.4	578.9	578.9	574.4	576.6	578.9	578.9
12.5°	561.1	561.1	563.3	567.8	570.0	572.2	574.4	574.4	576.6	574.4	576.6
15°	556.7	556.7	556.7	563.3	570.0	572.2	576.6	578.9	581.1	581.1	581.1
17.5°	558.9	558.9	558.9	567.8	572.2	578.9	583.3	585.5	585.5	587.7	587.7
20°	563.3	563.3	565.5	572.2	581.1	587.7	592.2	594.4	594.4	598.8	598.8
22.5°	572.2	576.6	574.4	581.1	587.7	596.6	603.2	607.7	607.7	612.1	612.1
25°	592.2	589.9	592.2	598.8	605.5	612.1	616.6	623.2	625.4	629.9	629.9
27.5°	614.3	614.3	614.3	621.0	625.4	632.1	636.5	640.9	645.4	652.0	654.3
30°	647.6	645.4	643.2	649.8	654.3	660.9	665.3	667.6	667.6	672.0	676.4
32.5°	692.0	692.0	692.0	696.4	698.6	705.3	707.5	709.7	707.5	714.1	716.4
35°	747.4	747.4	749.6	754.1	760.7	765.1	767.4	765.1	767.4	771.8	776.2
37.5°	802.8	805.1	811.7	818.4	822.8	831.7	838.3	838.3	840.6	853.9	853.9
40°	649.8	656.5	663.1	678.7	698.6	725.2	769.6	787.3	838.3	864.9	871.6
42.5°	441.3	456.9	474.6	494.6	510.1	512.3	554.5	578.9	629.9	678.7	692.0
45°	421.4	439.1	456.9	443.6	454.7	419.2	461.3	465.7	490.1	527.8	627.6
47.5°	618.8	643.2	667.6	634.3	640.9	563.3	578.9	561.1	505.7	567.8	734.1
50°	807.3	805.1	840.6	825.0	842.8	758.5	765.1	729.7	643.2	729.7	967.0
52.5°	989.1	1006.9	1044.6	1040.2	1053.5	944.8	924.8	893.8	758.5	891.6	1171.0
55°	1199.8	1213.1	1248.6	1237.5	1230.9	1122.2	1086.7	1055.7	924.8	1097.8	1388.4
57.5°	1397.2	1403.9	1446.0	1408.3	1386.1	1304.1	1255.3	1204.3	1075.6	1286.3	1539.2
60°	1585.7	1594.6	1619.0	1568.0	1532.5	1468.2	1408.3	1352.9	1233.1	1454.9	1678.9
62.5°	1763.2	1754.3	1765.4	1701.1	1676.7	1619.0	1554.7	1485.9	1381.7	1588.0	1814.2
65°	1865.2	1865.2	1878.5	1796.4	1758.7	1723.2	1652.3	1572.4	1477.1	1652.3	1898.5
67.5°	1962.8	1982.7	1976.1	1909.5	1860.7	1812.0	1732.1	1619.0	1523.6	1652.3	1902.9
70°	1927.3	1951.7	1925.1	1871.8	1823.0	1765.4	1692.2	1581.3	1474.8	1572.4	1800.9
72.5°	1774.3	1792.0	1780.9	1734.3	1674.5	1636.7	1559.1	1474.8	1350.7	1434.9	1634.5
75°	1565.8	1561.3	1581.3	1528.1	1477.1	1441.6	1366.2	1312.9	1197.6	1259.7	1450.5
77.5°	1261.9	1264.2	1306.3	1246.4	1206.5	1182.1	1113.3	1069.0	964.8	1020.2	1166.6
80°	847.2	871.6	911.5	847.2	840.6	807.3	749.6	720.8	640.9	667.6	745.2
82.5°	352.6	363.7	377.0	357.1	350.4	339.3	314.9	306.1	275.0	288.3	288.3
85°	197.4	195.2	201.8	201.8	197.4	188.5	179.6	164.1	150.8	148.6	137.5
87.5°	166.3	168.6	173.0	173.0	164.1	157.5	146.4	135.3	124.2	117.5	106.5
90°	155.2	157.5	159.7	153.0	144.2	137.5	128.6	119.8	110.9	106.5	95.4
92.5°	148.6	148.6	148.6	139.7	130.9	124.2	117.5	108.7	102.0	97.6	88.7
95°	124.2	122.0	119.8	115.3	106.5	99.8	95.4	86.5	82.1	77.6	73.2
97.5°	93.1	90.9	88.7	86.5	77.6	73.2	71.0	66.5	62.1	55.4	53.2
100°	66.5	64.3	64.3	62.1	57.7	53.2	51.0	46.6	42.1	37.7	35.5
102.5°	44.4	42.1	42.1	39.9	37.7	35.5	31.0	28.8	24.4	22.2	20.0
105°	24.4	24.4	24.4	22.2	22.2	20.0	17.7	15.5	13.3	13.3	11.1
107.5°	17.7	17.7	17.7	17.7	15.5	15.5	13.3	11.1	11.1	8.9	8.9
110°	13.3	13.3	13.3	13.3	13.3	11.1	11.1	8.9	8.9	6.7	6.7



REPORT NUMBER: P691722

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	11.1	11.1	11.1	11.1	11.1	11.1	8.9	8.9	6.7	6.7	6.7
115°	11.1	11.1	11.1	11.1	8.9	8.9	6.7	6.7	6.7	6.7	4.4
117.5°	8.9	8.9	8.9	8.9	8.9	6.7	6.7	6.7	6.7	4.4	6.7
120°	8.9	8.9	8.9	8.9	6.7	6.7	6.7	4.4	4.4	4.4	4.4
122.5°	6.7	6.7	6.7	6.7	6.7	6.7	6.7	4.4	4.4	4.4	4.4
125°	6.7	6.7	6.7	6.7	6.7	4.4	4.4	4.4	4.4	4.4	4.4
127.5°	6.7	6.7	4.4	6.7	4.4	4.4	4.4	4.4	4.4	2.2	4.4
130°	6.7	6.7	4.4	4.4	4.4	4.4	4.4	4.4	2.2	2.2	2.2
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

REPORT NUMBER: P691722

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CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	596.6	596.6	596.6	596.6	596.6	596.6	596.6	596.6	596.6	596.6
2.5°	592.2	592.2	594.4	592.2	592.2	587.7	585.5	583.3	583.3	583.3
5°	589.9	589.9	587.7	583.3	581.1	576.6	572.2	570.0	567.8	570.0
7.5°	585.5	581.1	576.6	567.8	561.1	558.9	550.0	547.8	547.8	547.8
10°	576.6	572.2	561.1	550.0	545.6	538.9	532.3	525.6	527.8	530.1
12.5°	574.4	563.3	554.5	543.4	536.7	525.6	523.4	516.8	514.5	514.5
15°	576.6	567.8	556.7	547.8	538.9	534.5	525.6	523.4	516.8	521.2
17.5°	585.5	572.2	563.3	554.5	545.6	541.1	534.5	530.1	532.3	532.3
20°	594.4	581.1	572.2	565.5	556.7	550.0	547.8	543.4	545.6	541.1
22.5°	607.7	594.4	587.7	578.9	572.2	567.8	563.3	565.5	561.1	563.3
25°	625.4	614.3	605.5	598.8	592.2	587.7	587.7	587.7	585.5	587.7
27.5°	649.8	638.7	632.1	627.6	621.0	616.6	612.1	614.3	616.6	614.3
30°	672.0	658.7	656.5	652.0	647.6	645.4	645.4	645.4	645.4	649.8
32.5°	707.5	694.2	689.7	689.7	685.3	683.1	680.9	685.3	687.5	685.3
35°	762.9	745.2	740.8	738.5	736.3	736.3	738.5	738.5	738.5	738.5
37.5°	831.7	807.3	802.8	800.6	800.6	800.6	798.4	800.6	807.3	809.5
40°	862.7	847.2	853.9	864.9	871.6	871.6	869.4	873.8	880.5	880.5
42.5°	698.6	665.3	689.7	734.1	762.9	798.4	805.1	827.2	845.0	845.0
45°	567.8	430.3	439.1	468.0	481.3	512.3	530.1	550.0	561.1	545.6
47.5°	638.7	277.2	228.4	237.3	204.0	246.2	275.0	306.1	312.7	319.4
50°	1002.5	286.1	193.0	139.7	93.1	124.2	130.9	148.6	144.2	146.4
52.5°	1217.6	328.2	193.0	124.2	77.6	82.1	75.4	84.3	88.7	97.6
55°	1366.2	394.8	250.6	157.5	90.9	55.4	37.7	28.8	26.6	26.6
57.5°	1437.1	483.5	326.0	224.0	141.9	77.6	33.3	24.4	22.2	20.0
60°	1503.7	578.9	412.5	306.1	224.0	137.5	62.1	24.4	20.0	20.0
62.5°	1563.6	674.2	499.0	397.0	314.9	215.1	115.3	42.1	22.2	22.2
65°	1612.4	694.2	505.7	430.3	339.3	252.8	150.8	51.0	24.4	24.4
67.5°	1625.7	660.9	487.9	394.8	317.1	215.1	117.5	42.1	28.8	26.6
70°	1536.9	627.6	490.1	374.8	286.1	190.7	77.6	48.8	37.7	35.5
72.5°	1390.6	581.1	465.7	363.7	275.0	193.0	90.9	79.8	71.0	66.5
75°	1224.2	525.6	430.3	348.2	266.1	186.3	106.5	99.8	90.9	88.7
77.5°	982.5	436.9	361.5	295.0	224.0	148.6	88.7	84.3	73.2	73.2
80°	645.4	326.0	272.8	226.2	170.8	104.2	66.5	59.9	53.2	51.0
82.5°	263.9	190.7	164.1	141.9	110.9	66.5	44.4	37.7	31.0	28.8
85°	128.6	95.4	82.1	66.5	55.4	37.7	28.8	24.4	17.7	17.7
87.5°	104.2	75.4	62.1	51.0	37.7	26.6	20.0	15.5	11.1	8.9
90°	95.4	66.5	53.2	42.1	31.0	22.2	13.3	11.1	6.7	4.4
92.5°	86.5	57.7	46.6	33.3	24.4	17.7	8.9	6.7	4.4	4.4
95°	71.0	44.4	35.5	26.6	20.0	13.3	8.9	4.4	2.2	2.2
97.5°	51.0	33.3	26.6	20.0	15.5	8.9	6.7	4.4	2.2	2.2
100°	35.5	22.2	20.0	15.5	11.1	6.7	4.4	2.2	2.2	2.2
102.5°	17.7	13.3	13.3	11.1	8.9	6.7	2.2	2.2	0.0	0.0
105°	11.1	8.9	8.9	6.7	4.4	4.4	2.2	2.2	0.0	0.0
107.5°	6.7	6.7	6.7	4.4	4.4	2.2	2.2	0.0	0.0	0.0
110°	6.7	4.4	4.4	4.4	2.2	2.2	2.2	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°	4.4	4.4	4.4	2.2	2.2	2.2	2.2	0.0	0.0	0.0
115°	4.4	4.4	2.2	2.2	2.2	2.2	0.0	0.0	0.0	0.0
117.5°	4.4	2.2	2.2	2.2	2.2	0.0	0.0	0.0	0.0	0.0
120°	4.4	2.2	2.2	2.2	2.2	0.0	0.0	0.0	0.0	0.0
122.5°	4.4	2.2	2.2	2.2	2.2	0.0	0.0	0.0	0.0	0.0
125°	2.2	2.2	2.2	2.2	2.2	0.0	0.0	0.0	0.0	0.0
127.5°	2.2	2.2	2.2	2.2	0.0	0.0	0.0	0.0	0.0	0.0
130°	2.2	2.2	2.2	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)