

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: P691552

Luminaire Tested: **CRTK2-C016-D-U-T5R-7050-SR-CARETAKER-DS-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691552
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-C016-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: 3828 lumens
Efficiency: N/A
Efficacy: 92.0 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.29')
IES Classification: Type IV - Short
BUG Rating: B1 - U3 - G2

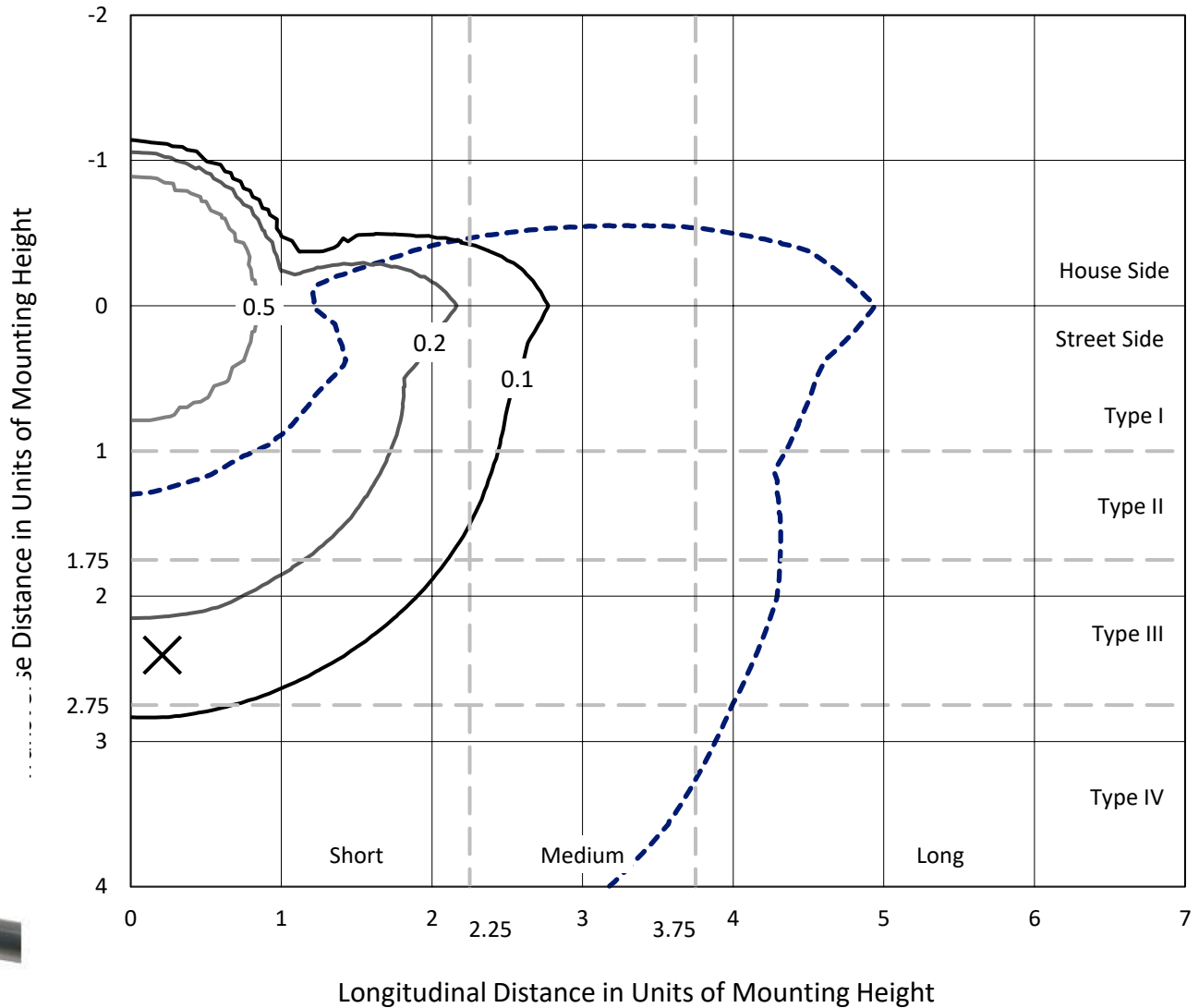
Input Watts (W): 41.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P691552
 CATALOG NUMBER: CRTK2-C016-D-U-T5R-7050-SR-CARETAKER-DS-HSS-CRTK2

Iso-Footcandle Lines of Horizontal Illumination

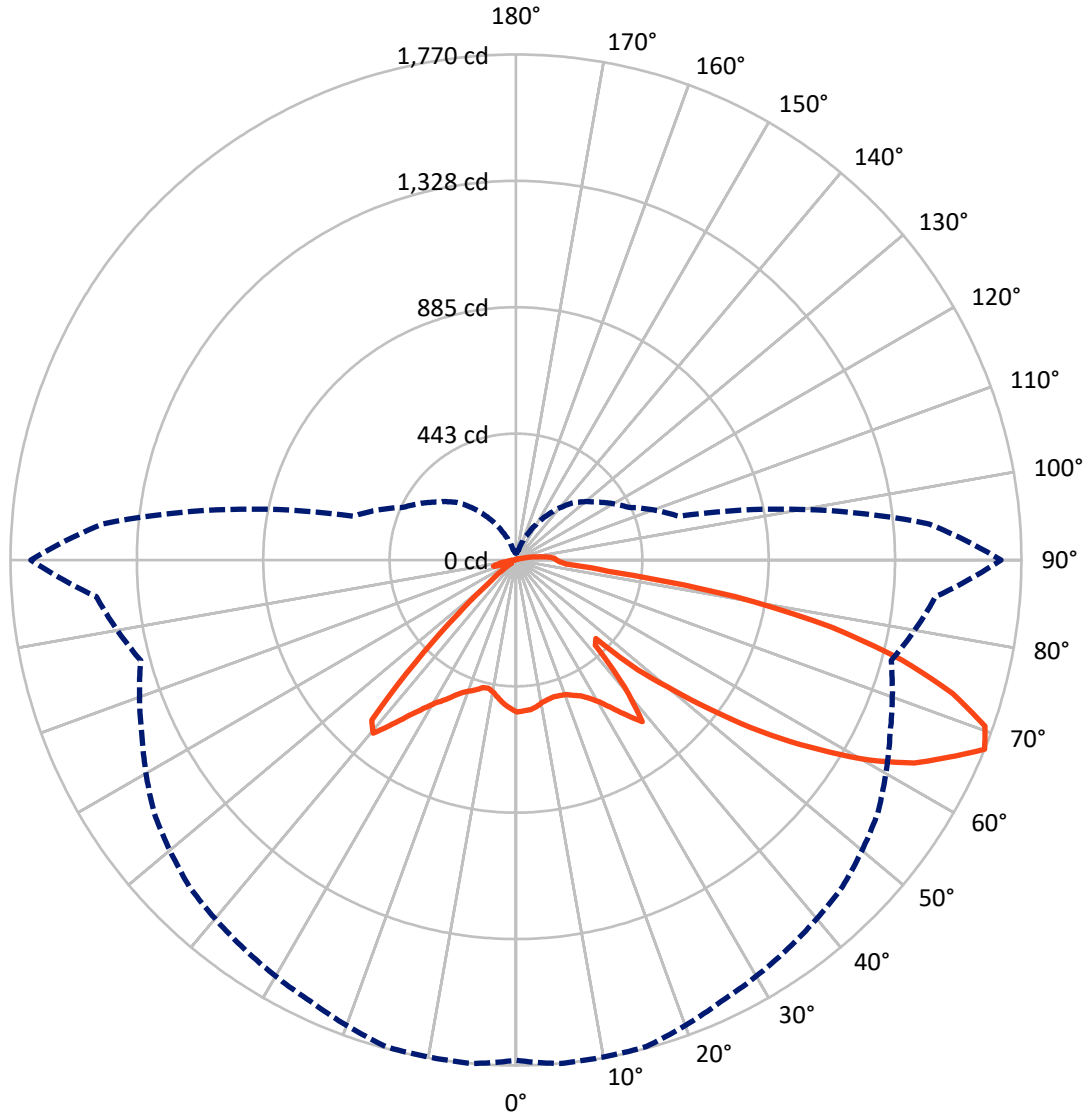
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.9 fc
 Type IV - Short - N/A

REPORT NUMBER: P691552
CATALOG NUMBER: CRTK2-C016-D-U-T5R-7050-SR-CARETAKER-DS-HSS-CRTK2

Luminous Intensity Polar Plot



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

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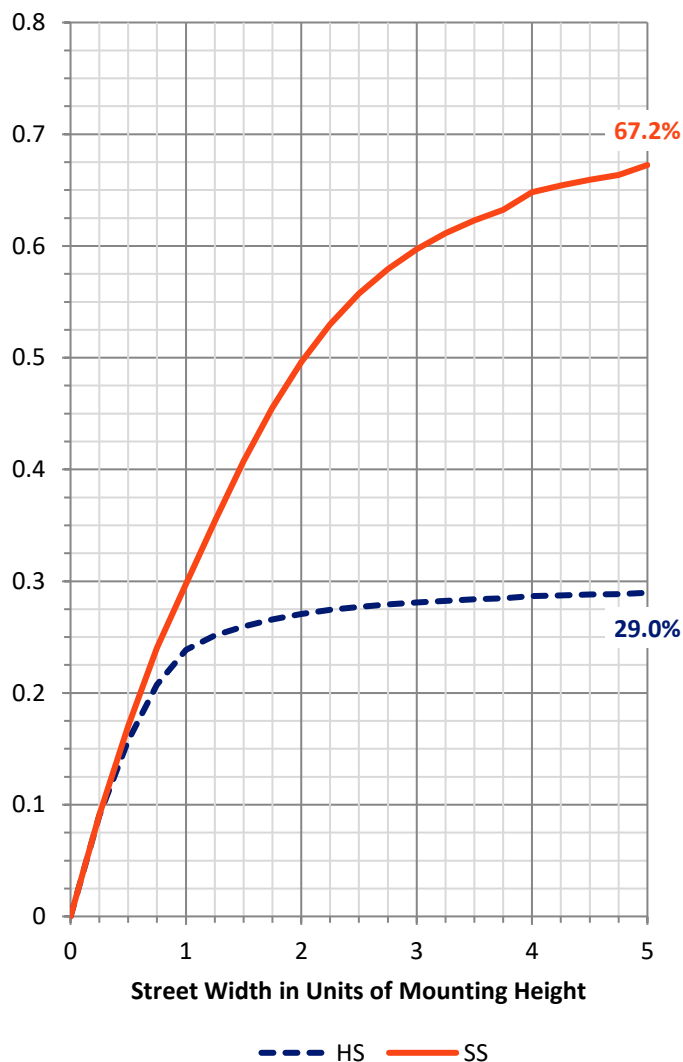
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1121.9	16.9	1138.8
	% Fixture	29.3	0.4	29.7
Street Side	Lumens	2623.3	65.9	2689.2
	% Fixture	68.5	1.7	70.3
Total	Lumens	3745.2	82.8	3828.0
	% Fixture	97.8	2.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	49.2	1.3
10°-20°	142.0	3.7
20°-30°	252.3	6.6
30°-40°	422.0	11.0
40°-50°	385.4	10.1
50°-60°	572.0	14.9
60°-70°	938.4	24.5
70°-80°	805.4	21.0
80°-90°	178.6	4.7
90°-100°	60.3	1.6
100°-110°	14.9	0.4
110°-120°	4.8	0.1
120°-130°	2.7	0.1
130°-140°	0.2	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°	3745.2	97.8
0°-180°	3828.0	100.0

Coefficient of Utilization



REPORT NUMBER: P691552

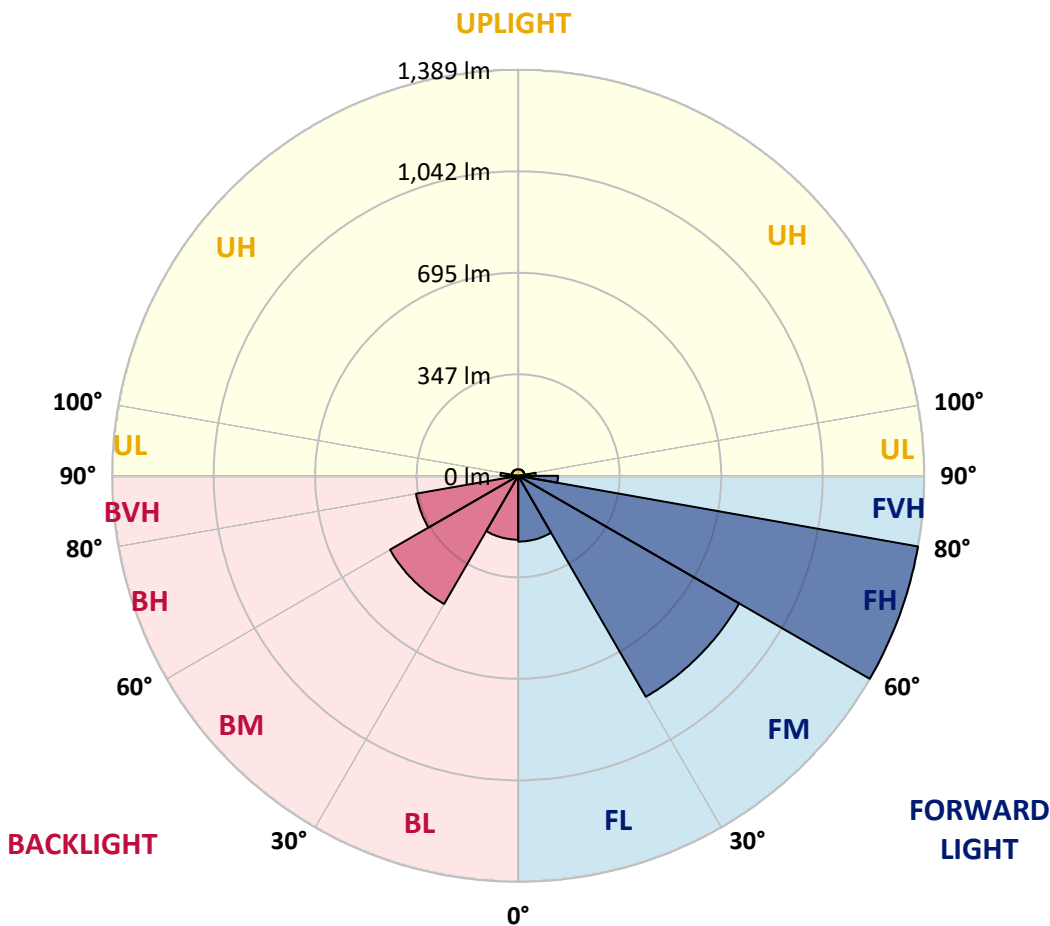
CATALOG NUMBER: CRTK2-C016-D-U-T5R-7050-SR-CARETAKER-DS-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	225.0	5.9			
FM (30°-60°)	873.0	22.8			
FH (60°-80°)	1389.1	36.3			G1/1800
FVH (80°-90°)	136.2	3.6			G2/225
BL (0°-30°)	218.6	5.7	B1/500		
BM (30°-60°)	506.3	13.2	B1/1000		
BH (60°-80°)	354.6	9.3	B1/500		G1/500
BVH (80°-90°)	42.4	1.1			G1/100
UL (90°-100°)	60.3	1.6		U3/500	
UH (100°-180°)	22.5	0.6		U2/50	

BUG Rating: B1-U3-G2

Type IV Short





REPORT NUMBER: P691552

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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	532.6	532.6	532.6	532.6	532.6	532.6	532.6	532.6	532.6	532.6	532.6
2.5°	528.6	528.6	528.6	530.6	532.6	530.6	528.6	526.7	524.7	526.7	526.7
5°	526.7	526.7	528.6	528.6	530.6	532.6	530.6	528.6	526.7	526.7	526.7
7.5°	516.8	518.7	518.7	520.7	522.7	526.7	526.7	522.7	522.7	522.7	522.7
10°	506.9	506.9	508.8	510.8	512.8	516.8	516.8	512.8	514.8	516.8	516.8
12.5°	500.9	500.9	502.9	506.9	508.8	510.8	512.8	512.8	514.8	512.8	514.8
15°	497.0	497.0	497.0	502.9	508.8	510.8	514.8	516.8	518.7	518.7	518.7
17.5°	498.9	498.9	498.9	506.9	510.8	516.8	520.7	522.7	522.7	524.7	524.7
20°	502.9	502.9	504.9	510.8	518.7	524.7	528.6	530.6	530.6	534.6	534.6
22.5°	510.8	514.8	512.8	518.7	524.7	532.6	538.5	542.5	542.5	546.5	546.5
25°	528.6	526.7	528.6	534.6	540.5	546.5	550.4	556.4	558.3	562.3	562.3
27.5°	548.4	548.4	548.4	554.4	558.3	564.3	568.2	572.2	576.2	582.1	584.1
30°	578.1	576.2	574.2	580.1	584.1	590.0	594.0	595.9	595.9	599.9	603.9
32.5°	617.7	617.7	617.7	621.7	623.7	629.6	631.6	633.6	631.6	637.5	639.5
35°	667.2	667.2	669.2	673.2	679.1	683.1	685.0	683.1	685.0	689.0	693.0
37.5°	716.7	718.7	724.6	730.6	734.5	742.5	748.4	748.4	750.4	762.3	762.3
40°	580.1	586.0	592.0	605.8	623.7	647.4	687.0	702.9	748.4	772.2	778.1
42.5°	394.0	407.9	423.7	441.5	455.4	457.4	495.0	516.8	562.3	605.8	617.7
45°	376.2	392.0	407.9	396.0	405.9	374.2	411.8	415.8	437.6	471.2	560.3
47.5°	552.4	574.2	595.9	566.3	572.2	502.9	516.8	500.9	451.4	506.9	655.3
50°	720.7	718.7	750.4	736.5	752.4	677.1	683.1	651.4	574.2	651.4	863.2
52.5°	883.0	898.9	932.5	928.6	940.5	843.4	825.6	797.9	677.1	795.9	1045.4
55°	1071.1	1083.0	1114.7	1104.8	1098.8	1001.8	970.1	942.4	825.6	980.0	1239.4
57.5°	1247.3	1253.3	1290.9	1257.2	1237.4	1164.2	1120.6	1075.1	960.3	1148.3	1374.0
60°	1415.6	1423.5	1445.3	1399.8	1368.1	1310.7	1257.2	1207.7	1100.8	1298.8	1498.8
62.5°	1574.0	1566.1	1576.0	1518.6	1496.8	1445.3	1387.9	1326.5	1233.5	1417.6	1619.6
65°	1665.1	1665.1	1677.0	1603.7	1570.1	1538.4	1475.0	1403.7	1318.6	1475.0	1694.8
67.5°	1752.2	1770.0	1764.1	1704.7	1661.1	1617.6	1546.3	1445.3	1360.2	1475.0	1698.8
70°	1720.5	1742.3	1718.6	1671.0	1627.5	1576.0	1510.7	1411.7	1316.6	1403.7	1607.7
72.5°	1583.9	1599.8	1589.9	1548.3	1494.8	1461.2	1391.9	1316.6	1205.8	1281.0	1459.2
75°	1397.8	1393.8	1411.7	1364.1	1318.6	1286.9	1219.6	1172.1	1069.1	1124.6	1294.9
77.5°	1126.6	1128.5	1166.2	1112.7	1077.1	1055.3	993.9	954.3	861.3	910.8	1041.4
80°	756.3	778.1	813.7	756.3	750.4	720.7	669.2	643.5	572.2	595.9	665.2
82.5°	314.8	324.7	336.6	318.8	312.8	302.9	281.1	273.2	245.5	257.4	257.4
85°	176.2	174.2	180.2	180.2	176.2	168.3	160.4	146.5	134.6	132.7	122.8
87.5°	148.5	150.5	154.4	154.4	146.5	140.6	130.7	120.8	110.9	104.9	95.0
90°	138.6	140.6	142.6	136.6	128.7	122.8	114.8	106.9	99.0	95.0	85.1
92.5°	132.7	132.7	132.7	124.7	116.8	110.9	104.9	97.0	91.1	87.1	79.2
95°	110.9	108.9	106.9	103.0	95.0	89.1	85.1	77.2	73.3	69.3	65.3
97.5°	83.2	81.2	79.2	77.2	69.3	65.3	63.4	59.4	55.4	49.5	47.5
100°	59.4	57.4	57.4	55.4	51.5	47.5	45.5	41.6	37.6	33.7	31.7
102.5°	39.6	37.6	37.6	35.6	33.7	31.7	27.7	25.7	21.8	19.8	17.8
105°	21.8	21.8	21.8	19.8	19.8	17.8	15.8	13.9	11.9	11.9	9.9
107.5°	15.8	15.8	15.8	15.8	13.9	13.9	11.9	9.9	9.9	7.9	7.9
110°	11.9	11.9	11.9	11.9	11.9	9.9	9.9	7.9	7.9	5.9	5.9



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	9.9	9.9	9.9	9.9	9.9	9.9	7.9	7.9	5.9	5.9	5.9
115°	9.9	9.9	9.9	9.9	7.9	7.9	5.9	5.9	5.9	5.9	4.0
117.5°	7.9	7.9	7.9	7.9	7.9	5.9	5.9	5.9	5.9	4.0	5.9
120°	7.9	7.9	7.9	7.9	5.9	5.9	5.9	4.0	4.0	4.0	4.0
122.5°	5.9	5.9	5.9	5.9	5.9	5.9	5.9	4.0	4.0	4.0	4.0
125°	5.9	5.9	5.9	5.9	5.9	4.0	4.0	4.0	4.0	4.0	4.0
127.5°	5.9	5.9	4.0	5.9	4.0	4.0	4.0	4.0	4.0	2.0	4.0
130°	5.9	5.9	4.0	4.0	4.0	4.0	4.0	4.0	2.0	2.0	2.0
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°	532.6	532.6	532.6	532.6	532.6	532.6	532.6	532.6	532.6	532.6
2.5°	528.6	528.6	530.6	528.6	528.6	524.7	522.7	520.7	520.7	520.7
5°	526.7	526.7	524.7	520.7	518.7	514.8	510.8	508.8	506.9	508.8
7.5°	522.7	518.7	514.8	506.9	500.9	498.9	491.0	489.0	489.0	489.0
10°	514.8	510.8	500.9	491.0	487.1	481.1	475.2	469.2	471.2	473.2
12.5°	512.8	502.9	495.0	485.1	479.1	469.2	467.3	461.3	459.3	459.3
15°	514.8	506.9	497.0	489.0	481.1	477.2	469.2	467.3	461.3	465.3
17.5°	522.7	510.8	502.9	495.0	487.1	483.1	477.2	473.2	475.2	475.2
20°	530.6	518.7	510.8	504.9	497.0	491.0	489.0	485.1	487.1	483.1
22.5°	542.5	530.6	524.7	516.8	510.8	506.9	502.9	504.9	500.9	502.9
25°	558.3	548.4	540.5	534.6	528.6	524.7	524.7	524.7	522.7	524.7
27.5°	580.1	570.2	564.3	560.3	554.4	550.4	546.5	548.4	550.4	548.4
30°	599.9	588.0	586.0	582.1	578.1	576.2	576.2	576.2	576.2	580.1
32.5°	631.6	619.7	615.7	615.7	611.8	609.8	607.8	611.8	613.8	611.8
35°	681.1	665.2	661.3	659.3	657.3	657.3	659.3	659.3	659.3	659.3
37.5°	742.5	720.7	716.7	714.7	714.7	714.7	712.8	714.7	720.7	722.7
40°	770.2	756.3	762.3	772.2	778.1	778.1	776.1	780.1	786.0	786.0
42.5°	623.7	594.0	615.7	655.3	681.1	712.8	718.7	738.5	754.3	754.3
45°	506.9	384.1	392.0	417.8	429.6	457.4	473.2	491.0	500.9	487.1
47.5°	570.2	247.5	203.9	211.8	182.2	219.8	245.5	273.2	279.2	285.1
50°	894.9	255.4	172.3	124.7	83.2	110.9	116.8	132.7	128.7	130.7
52.5°	1087.0	293.0	172.3	110.9	69.3	73.3	67.3	75.2	79.2	87.1
55°	1219.6	352.4	223.7	140.6	81.2	49.5	33.7	25.7	23.8	23.8
57.5°	1283.0	431.6	291.0	200.0	126.7	69.3	29.7	21.8	19.8	17.8
60°	1342.4	516.8	368.3	273.2	200.0	122.8	55.4	21.8	17.8	17.8
62.5°	1395.8	601.9	445.5	354.4	281.1	192.1	103.0	37.6	19.8	19.8
65°	1439.4	619.7	451.4	384.1	302.9	225.7	134.6	45.5	21.8	21.8
67.5°	1451.3	590.0	435.6	352.4	283.1	192.1	104.9	37.6	25.7	23.8
70°	1372.1	560.3	437.6	334.6	255.4	170.3	69.3	43.6	33.7	31.7
72.5°	1241.4	518.7	415.8	324.7	245.5	172.3	81.2	71.3	63.4	59.4
75°	1092.9	469.2	384.1	310.8	237.6	166.3	95.0	89.1	81.2	79.2
77.5°	877.1	390.0	322.7	263.3	200.0	132.7	79.2	75.2	65.3	65.3
80°	576.2	291.0	243.5	201.9	152.5	93.1	59.4	53.5	47.5	45.5
82.5°	235.6	170.3	146.5	126.7	99.0	59.4	39.6	33.7	27.7	25.7
85°	114.8	85.1	73.3	59.4	49.5	33.7	25.7	21.8	15.8	15.8
87.5°	93.1	67.3	55.4	45.5	33.7	23.8	17.8	13.9	9.9	7.9
90°	85.1	59.4	47.5	37.6	27.7	19.8	11.9	9.9	5.9	4.0
92.5°	77.2	51.5	41.6	29.7	21.8	15.8	7.9	5.9	4.0	4.0
95°	63.4	39.6	31.7	23.8	17.8	11.9	7.9	4.0	2.0	2.0
97.5°	45.5	29.7	23.8	17.8	13.9	7.9	5.9	4.0	2.0	2.0
100°	31.7	19.8	17.8	13.9	9.9	5.9	4.0	2.0	2.0	2.0
102.5°	15.8	11.9	11.9	9.9	7.9	5.9	2.0	2.0	0.0	0.0
105°	9.9	7.9	7.9	5.9	4.0	4.0	2.0	2.0	0.0	0.0
107.5°	5.9	5.9	5.9	4.0	4.0	2.0	2.0	0.0	0.0	0.0
110°	5.9	4.0	4.0	4.0	2.0	2.0	2.0	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°	4.0	4.0	4.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0
115°	4.0	4.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0
117.5°	4.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0
120°	4.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0
122.5°	4.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0
125°	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0
127.5°	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	2.0	2.0	2.0	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)