

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: P691467

Luminaire Tested: **CRTK2-C016-5TLD-U-T5R-8027-SR-CARETAKER-DS-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691467
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-C016-5TLD-U-T5R-8027-SR-CARETAKER-DS-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 2700K 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: 3492 lumens
Efficiency: N/A
Efficacy: 81.6 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): 42.8
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

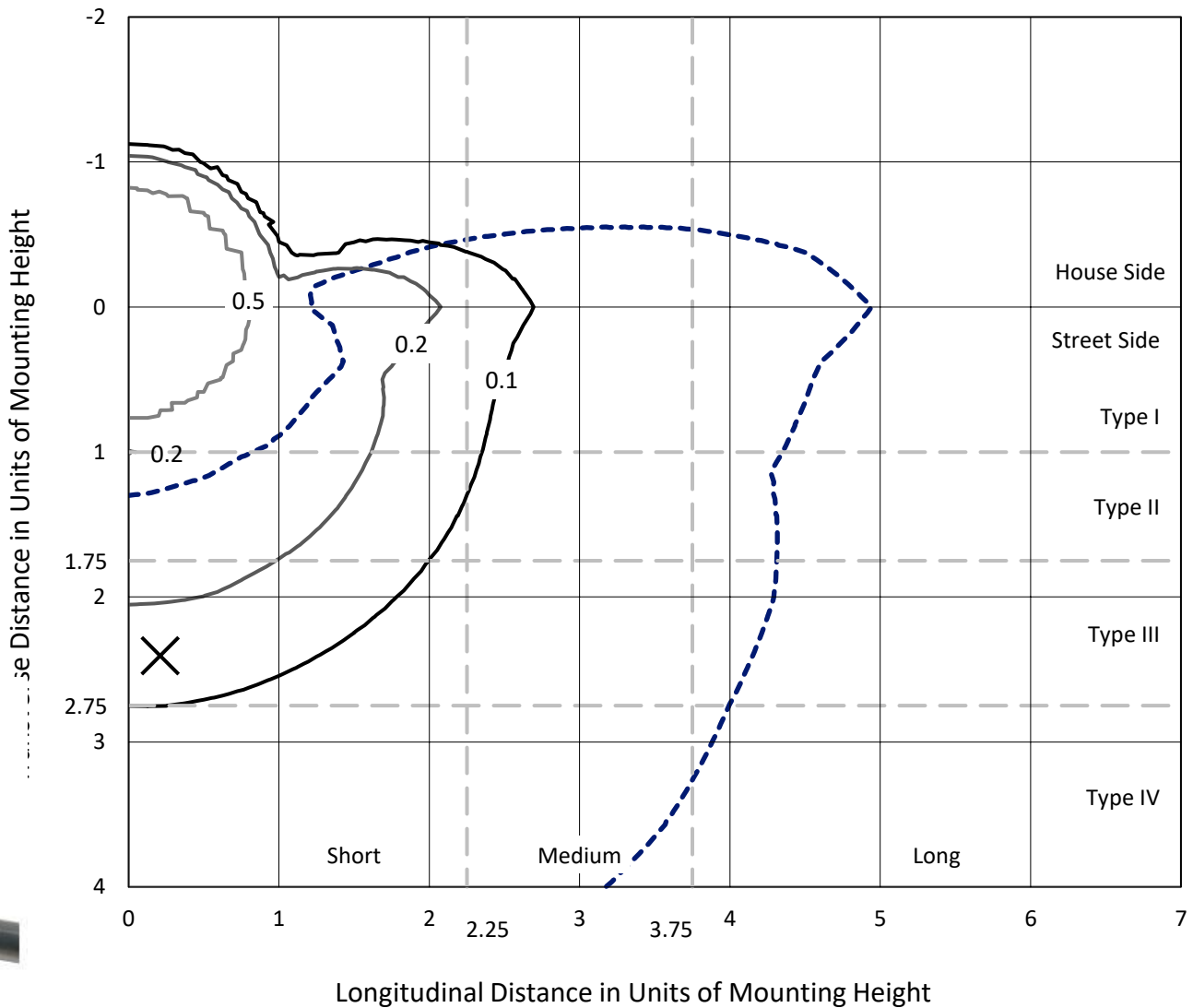


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

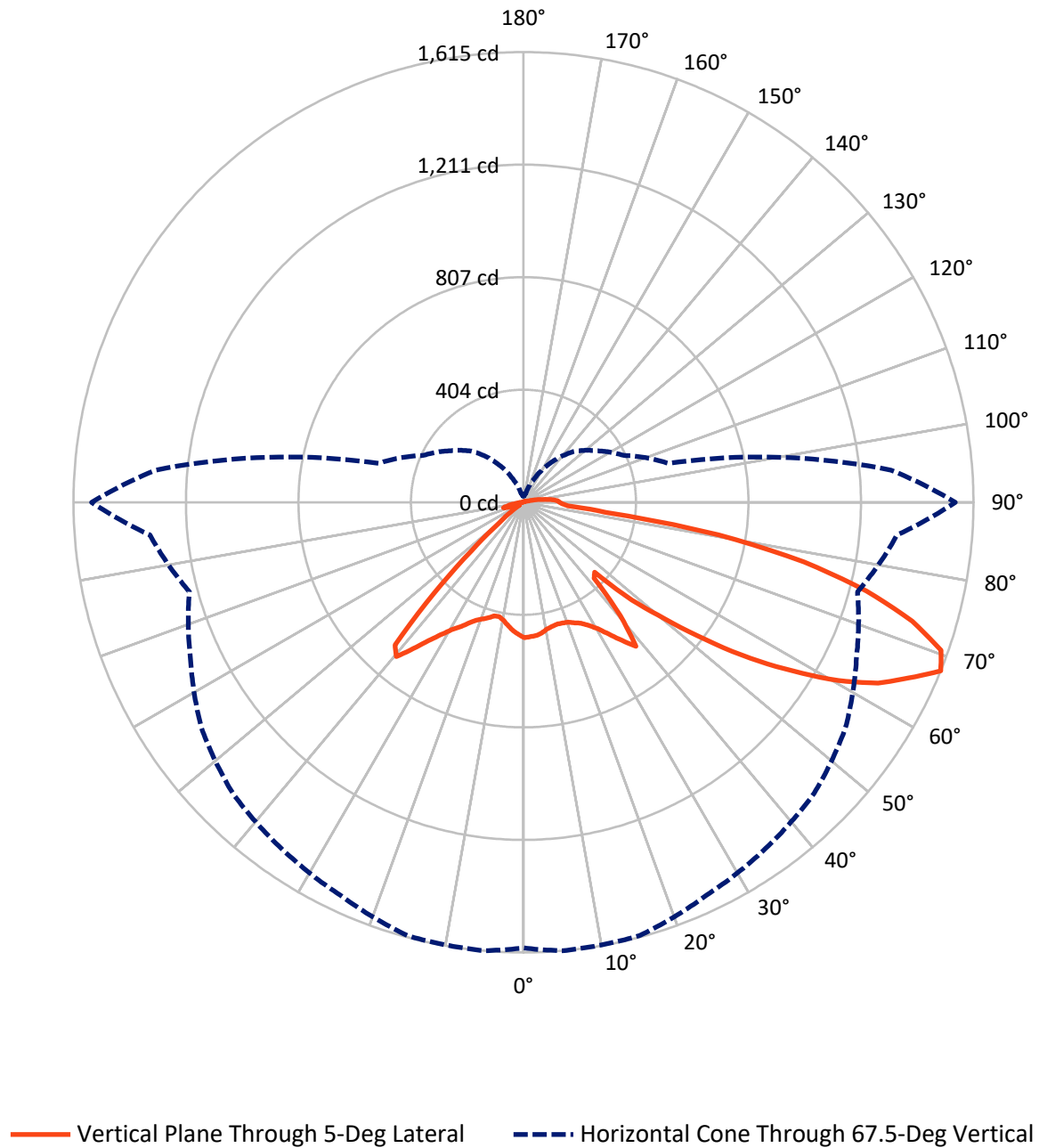


Based on 25 foot mounting height. Maximum calculated value = 0.8 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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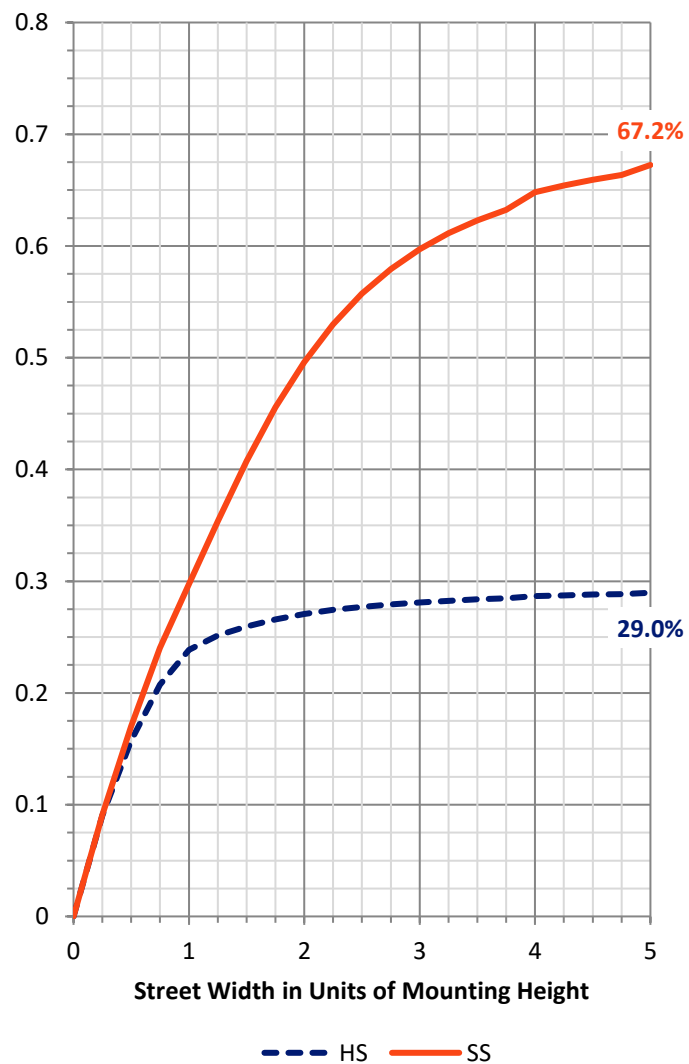
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1023.4	15.4	1038.8
	% Fixture	29.3	0.4	29.7
Street Side	Lumens	2393.1	60.1	2453.2
	% Fixture	68.5	1.7	70.3
Total	Lumens	3416.5	75.5	3492.0
	% Fixture	97.8	2.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	44.9	1.3
10°-20°	129.6	3.7
20°-30°	230.2	6.6
30°-40°	384.9	11.0
40°-50°	351.5	10.1
50°-60°	521.8	14.9
60°-70°	856.0	24.5
70°-80°	734.7	21.0
80°-90°	163.0	4.7
90°-100°	55.0	1.6
100°-110°	13.5	0.4
110°-120°	4.3	0.1
120°-130°	2.4	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°	3416.5	97.8
0°-180°	3492.0	100.0

Coefficient of Utilization



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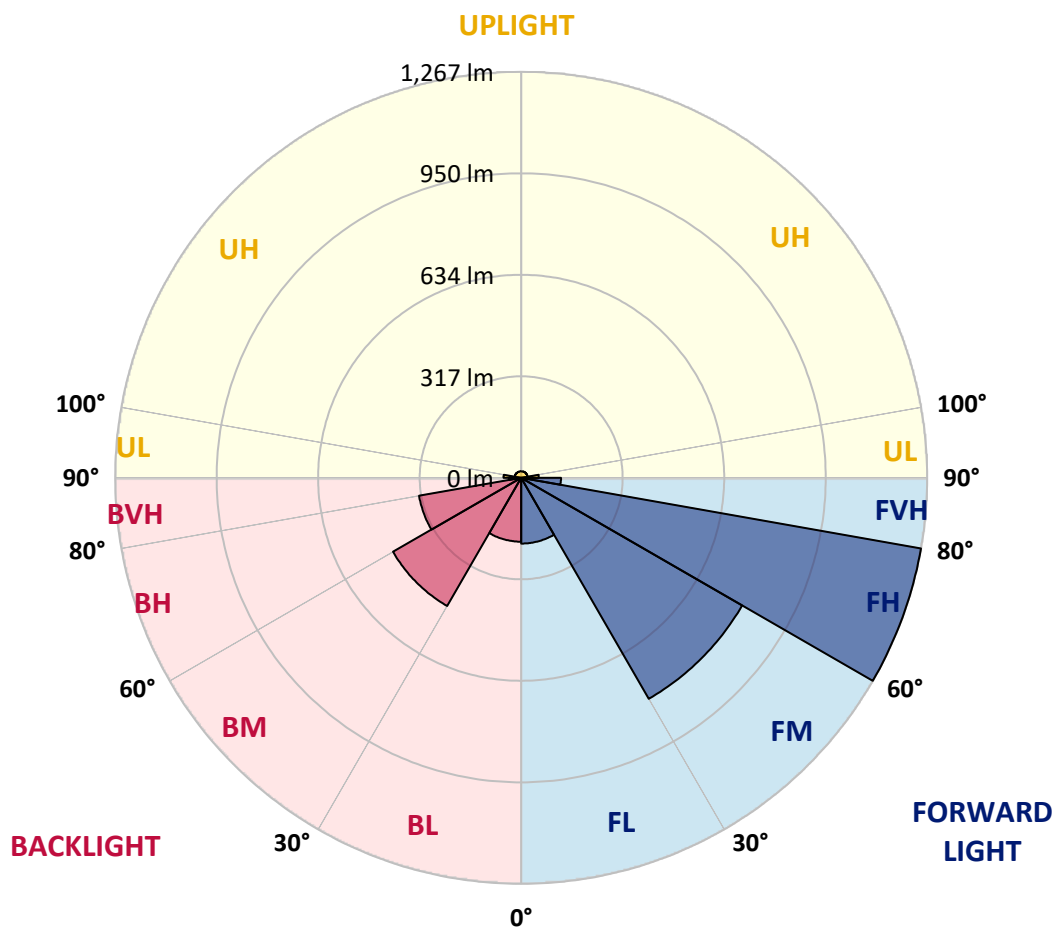
CATALOG NUMBER: CRTK2-C016-5TLD-U-T5R-8027-SR-CARETAKER-DS-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	205.2	5.9			
FM	(30°-60°)	796.4	22.8			
FH	(60°-80°)	1267.2	36.3			G1/1800
FVH	(80°-90°)	124.2	3.6			G2/225
BL	(0°-30°)	199.4	5.7	B1/500		
BM	(30°-60°)	461.8	13.2	B1/1000		
BH	(60°-80°)	323.5	9.3	B1/500		G1/500
BVH	(80°-90°)	38.7	1.1			G1/100
UL	(90°-100°)	55.0	1.6		U3/500	
UH	(100°-180°)	20.5	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°	485.8	485.8	485.8	485.8	485.8	485.8	485.8	485.8	485.8	485.8	485.8
2.5°	482.2	482.2	482.2	484.0	485.8	484.0	482.2	480.4	478.6	480.4	480.4
5°	480.4	480.4	482.2	482.2	484.0	485.8	484.0	482.2	480.4	480.4	480.4
7.5°	471.4	473.2	473.2	475.0	476.8	480.4	480.4	476.8	476.8	476.8	476.8
10°	462.4	462.4	464.2	466.0	467.8	471.4	471.4	467.8	469.6	471.4	471.4
12.5°	456.9	456.9	458.8	462.4	464.2	466.0	467.8	467.8	469.6	467.8	469.6
15°	453.3	453.3	453.3	458.8	464.2	466.0	469.6	471.4	473.2	473.2	473.2
17.5°	455.1	455.1	455.1	462.4	466.0	471.4	475.0	476.8	476.8	478.6	478.6
20°	458.8	458.8	460.6	466.0	473.2	478.6	482.2	484.0	484.0	487.7	487.7
22.5°	466.0	469.6	467.8	473.2	478.6	485.8	491.3	494.9	494.9	498.5	498.5
25°	482.2	480.4	482.2	487.7	493.1	498.5	502.1	507.5	509.3	512.9	512.9
27.5°	500.3	500.3	500.3	505.7	509.3	514.7	518.4	522.0	525.6	531.0	532.8
30°	527.4	525.6	523.8	529.2	532.8	538.2	541.8	543.6	543.6	547.3	550.9
32.5°	563.5	563.5	563.5	567.1	568.9	574.3	576.2	578.0	576.2	581.6	583.4
35°	608.7	608.7	610.5	614.1	619.5	623.1	624.9	623.1	624.9	628.5	632.1
37.5°	653.8	655.6	661.0	666.5	670.1	677.3	682.7	682.7	684.5	695.4	695.4
40°	529.2	534.6	540.0	552.7	568.9	590.6	626.7	641.2	682.7	704.4	709.8
42.5°	359.4	372.1	386.5	402.8	415.4	417.2	451.5	471.4	512.9	552.7	563.5
45°	343.2	357.6	372.1	361.2	370.3	341.4	375.7	379.3	399.2	429.9	511.1
47.5°	503.9	523.8	543.6	516.5	522.0	458.8	471.4	456.9	411.8	462.4	597.8
50°	657.4	655.6	684.5	671.9	686.3	617.7	623.1	594.2	523.8	594.2	787.5
52.5°	805.5	820.0	850.7	847.1	857.9	769.4	753.1	727.9	617.7	726.1	953.6
55°	977.1	987.9	1016.8	1007.8	1002.4	913.9	885.0	859.7	753.1	894.0	1130.6
57.5°	1137.9	1143.3	1177.6	1146.9	1128.8	1062.0	1022.3	980.7	876.0	1047.5	1253.4
60°	1291.4	1298.6	1318.5	1276.9	1248.0	1195.6	1146.9	1101.7	1004.2	1184.8	1367.2
62.5°	1435.9	1428.6	1437.7	1385.3	1365.4	1318.5	1266.1	1210.1	1125.2	1293.2	1477.4
65°	1518.9	1518.9	1529.8	1463.0	1432.2	1403.4	1345.6	1280.5	1202.9	1345.6	1546.0
67.5°	1598.4	1614.7	1609.2	1555.1	1515.3	1475.6	1410.6	1318.5	1240.8	1345.6	1549.6
70°	1569.5	1589.4	1567.7	1524.4	1484.6	1437.7	1378.1	1287.8	1201.1	1280.5	1466.6
72.5°	1444.9	1459.3	1450.3	1412.4	1363.6	1332.9	1269.7	1201.1	1099.9	1168.6	1331.1
75°	1275.1	1271.5	1287.8	1244.4	1202.9	1174.0	1112.6	1069.2	975.3	1025.9	1181.2
77.5°	1027.7	1029.5	1063.8	1015.0	982.5	962.7	906.7	870.5	785.7	830.8	950.0
80°	689.9	709.8	742.3	689.9	684.5	657.4	610.5	587.0	522.0	543.6	606.9
82.5°	287.2	296.2	307.0	290.8	285.4	276.3	256.5	249.2	224.0	234.8	234.8
85°	160.7	158.9	164.4	164.4	160.7	153.5	146.3	133.7	122.8	121.0	112.0
87.5°	135.5	137.3	140.9	140.9	133.7	128.2	119.2	110.2	101.1	95.7	86.7
90°	126.4	128.2	130.0	124.6	117.4	112.0	104.8	97.5	90.3	86.7	77.7
92.5°	121.0	121.0	121.0	113.8	106.6	101.1	95.7	88.5	83.1	79.5	72.2
95°	101.1	99.3	97.5	93.9	86.7	81.3	77.7	70.4	66.8	63.2	59.6
97.5°	75.9	74.1	72.2	70.4	63.2	59.6	57.8	54.2	50.6	45.2	43.3
100°	54.2	52.4	52.4	50.6	47.0	43.3	41.5	37.9	34.3	30.7	28.9
102.5°	36.1	34.3	34.3	32.5	30.7	28.9	25.3	23.5	19.9	18.1	16.3
105°	19.9	19.9	19.9	18.1	18.1	16.3	14.4	12.6	10.8	10.8	9.0
107.5°	14.4	14.4	14.4	14.4	12.6	12.6	10.8	9.0	9.0	7.2	7.2
110°	10.8	10.8	10.8	10.8	10.8	9.0	9.0	7.2	7.2	5.4	5.4

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	9.0	9.0	9.0	9.0	9.0	9.0	7.2	7.2	5.4	5.4	5.4
115°	9.0	9.0	9.0	9.0	7.2	7.2	5.4	5.4	5.4	5.4	3.6
117.5°	7.2	7.2	7.2	7.2	7.2	5.4	5.4	5.4	5.4	3.6	5.4
120°	7.2	7.2	7.2	7.2	5.4	5.4	5.4	3.6	3.6	3.6	3.6
122.5°	5.4	5.4	5.4	5.4	5.4	5.4	5.4	3.6	3.6	3.6	3.6
125°	5.4	5.4	5.4	5.4	5.4	3.6	3.6	3.6	3.6	3.6	3.6
127.5°	5.4	5.4	3.6	5.4	3.6	3.6	3.6	3.6	3.6	1.8	3.6
130°	5.4	5.4	3.6	3.6	3.6	3.6	3.6	3.6	1.8	1.8	1.8
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°	485.8	485.8	485.8	485.8	485.8	485.8	485.8	485.8	485.8	485.8
2.5°	482.2	482.2	484.0	482.2	482.2	478.6	476.8	475.0	475.0	475.0
5°	480.4	480.4	478.6	475.0	473.2	469.6	466.0	464.2	462.4	464.2
7.5°	476.8	473.2	469.6	462.4	456.9	455.1	447.9	446.1	446.1	446.1
10°	469.6	466.0	456.9	447.9	444.3	438.9	433.5	428.0	429.9	431.7
12.5°	467.8	458.8	451.5	442.5	437.1	428.0	426.2	420.8	419.0	419.0
15°	469.6	462.4	453.3	446.1	438.9	435.3	428.0	426.2	420.8	424.4
17.5°	476.8	466.0	458.8	451.5	444.3	440.7	435.3	431.7	433.5	433.5
20°	484.0	473.2	466.0	460.6	453.3	447.9	446.1	442.5	444.3	440.7
22.5°	494.9	484.0	478.6	471.4	466.0	462.4	458.8	460.6	456.9	458.8
25°	509.3	500.3	493.1	487.7	482.2	478.6	478.6	478.6	476.8	478.6
27.5°	529.2	520.2	514.7	511.1	505.7	502.1	498.5	500.3	502.1	500.3
30°	547.3	536.4	534.6	531.0	527.4	525.6	525.6	525.6	525.6	529.2
32.5°	576.2	565.3	561.7	561.7	558.1	556.3	554.5	558.1	559.9	558.1
35°	621.3	606.9	603.2	601.4	599.6	599.6	601.4	601.4	601.4	601.4
37.5°	677.3	657.4	653.8	652.0	652.0	652.0	650.2	652.0	657.4	659.2
40°	702.6	689.9	695.4	704.4	709.8	709.8	708.0	711.6	717.0	717.0
42.5°	568.9	541.8	561.7	597.8	621.3	650.2	655.6	673.7	688.1	688.1
45°	462.4	350.4	357.6	381.1	391.9	417.2	431.7	447.9	456.9	444.3
47.5°	520.2	225.8	186.0	193.3	166.2	200.5	224.0	249.2	254.7	260.1
50°	816.4	233.0	157.1	113.8	75.9	101.1	106.6	121.0	117.4	119.2
52.5°	991.6	267.3	157.1	101.1	63.2	66.8	61.4	68.6	72.2	79.5
55°	1112.6	321.5	204.1	128.2	74.1	45.2	30.7	23.5	21.7	21.7
57.5°	1170.4	393.7	265.5	182.4	115.6	63.2	27.1	19.9	18.1	16.3
60°	1224.5	471.4	335.9	249.2	182.4	112.0	50.6	19.9	16.3	16.3
62.5°	1273.3	549.1	406.4	323.3	256.5	175.2	93.9	34.3	18.1	18.1
65°	1313.0	565.3	411.8	350.4	276.3	205.9	122.8	41.5	19.9	19.9
67.5°	1323.9	538.2	397.3	321.5	258.3	175.2	95.7	34.3	23.5	21.7
70°	1251.6	511.1	399.2	305.2	233.0	155.3	63.2	39.7	30.7	28.9
72.5°	1132.4	473.2	379.3	296.2	224.0	157.1	74.1	65.0	57.8	54.2
75°	997.0	428.0	350.4	283.6	216.7	151.7	86.7	81.3	74.1	72.2
77.5°	800.1	355.8	294.4	240.2	182.4	121.0	72.2	68.6	59.6	59.6
80°	525.6	265.5	222.2	184.2	139.1	84.9	54.2	48.8	43.3	41.5
82.5°	214.9	155.3	133.7	115.6	90.3	54.2	36.1	30.7	25.3	23.5
85°	104.8	77.7	66.8	54.2	45.2	30.7	23.5	19.9	14.4	14.4
87.5°	84.9	61.4	50.6	41.5	30.7	21.7	16.3	12.6	9.0	7.2
90°	77.7	54.2	43.3	34.3	25.3	18.1	10.8	9.0	5.4	3.6
92.5°	70.4	47.0	37.9	27.1	19.9	14.4	7.2	5.4	3.6	3.6
95°	57.8	36.1	28.9	21.7	16.3	10.8	7.2	3.6	1.8	1.8
97.5°	41.5	27.1	21.7	16.3	12.6	7.2	5.4	3.6	1.8	1.8
100°	28.9	18.1	16.3	12.6	9.0	5.4	3.6	1.8	1.8	1.8
102.5°	14.4	10.8	10.8	9.0	7.2	5.4	1.8	1.8	0.0	0.0
105°	9.0	7.2	7.2	5.4	3.6	3.6	1.8	1.8	0.0	0.0
107.5°	5.4	5.4	5.4	3.6	3.6	1.8	1.8	0.0	0.0	0.0
110°	5.4	3.6	3.6	3.6	1.8	1.8	1.8	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°	3.6	3.6	3.6	1.8	1.8	1.8	1.8	0.0	0.0	0.0
115°	3.6	3.6	1.8	1.8	1.8	1.8	0.0	0.0	0.0	0.0
117.5°	3.6	1.8	1.8	1.8	1.8	0.0	0.0	0.0	0.0	0.0
120°	3.6	1.8	1.8	1.8	1.8	0.0	0.0	0.0	0.0	0.0
122.5°	3.6	1.8	1.8	1.8	1.8	0.0	0.0	0.0	0.0	0.0
125°	1.8	1.8	1.8	1.8	1.8	0.0	0.0	0.0	0.0	0.0
127.5°	1.8	1.8	1.8	1.8	0.0	0.0	0.0	0.0	0.0	0.0
130°	1.8	1.8	1.8	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)