

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: P691283

Luminaire Tested: **CRTK2-C015-5TLD-U-T5R-8027-SR-CARETAKER-DS-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691283
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-C015-5TLD-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: 2766 lumens
Efficiency: N/A
Efficacy: 84.6 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.29')
IES Classification: Type IV - Short
BUG Rating: B1 - U2 - G1

Input Watts (W): 32.7
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



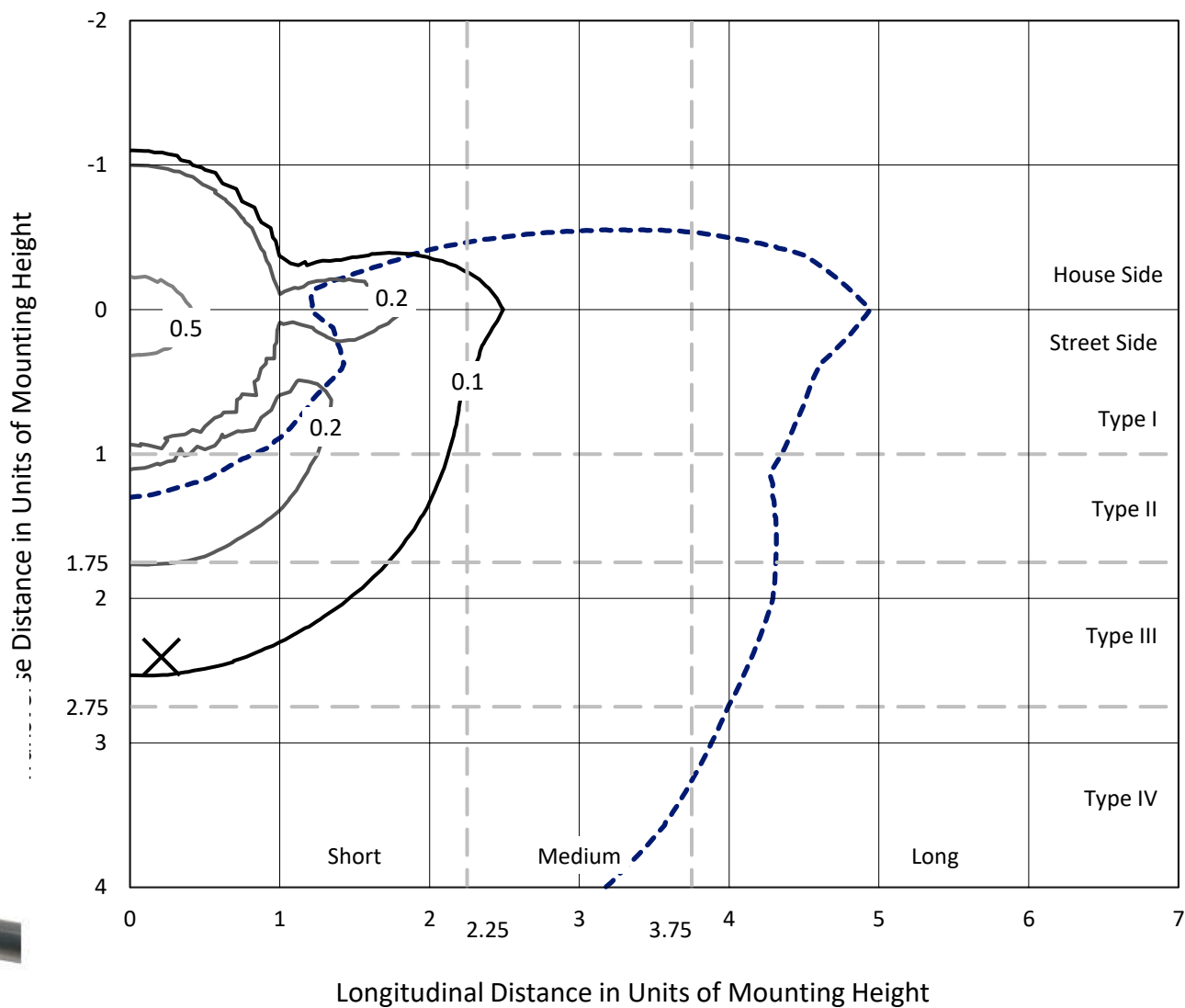
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

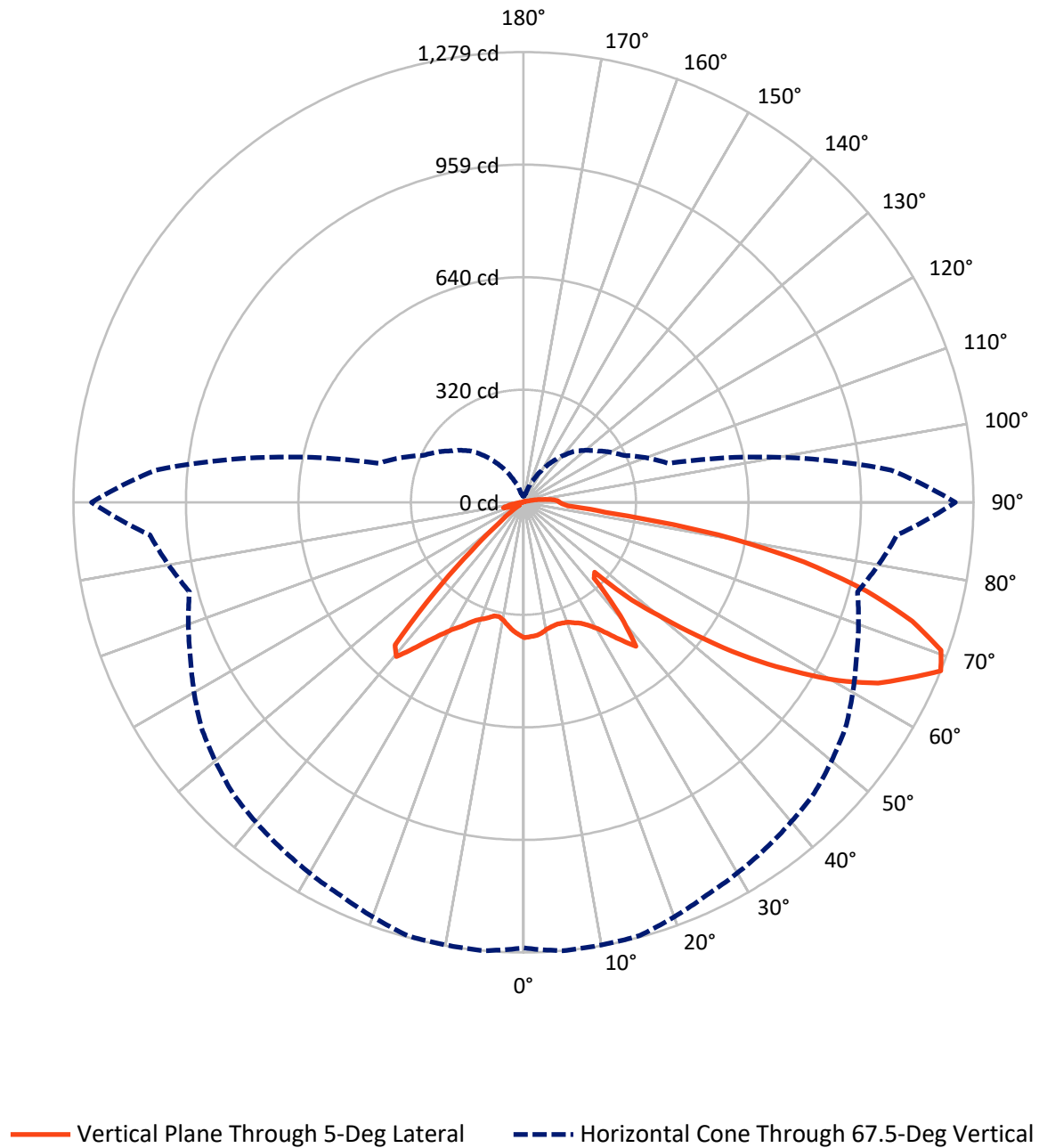


Based on 25 foot mounting height. Maximum calculated value = 0.6 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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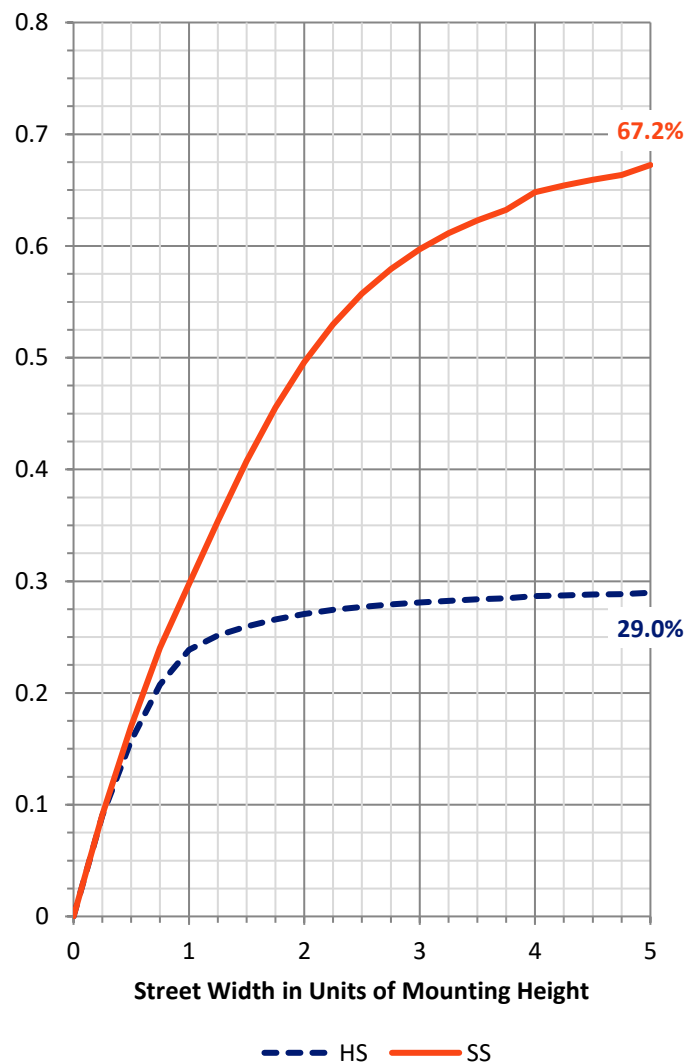
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	810.6	12.2	822.8
	% Fixture	29.3	0.4	29.7
Street Side	Lumens	1895.6	47.6	1943.2
	% Fixture	68.5	1.7	70.3
Total	Lumens	2706.2	59.8	2766.0
	% Fixture	97.8	2.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	35.5	1.3
10°-20°	102.6	3.7
20°-30°	182.3	6.6
30°-40°	304.9	11.0
40°-50°	278.4	10.1
50°-60°	413.3	14.9
60°-70°	678.0	24.5
70°-80°	581.9	21.0
80°-90°	129.1	4.7
90°-100°	43.6	1.6
100°-110°	10.7	0.4
110°-120°	3.4	0.1
120°-130°	1.9	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°	2706.2	97.8
0°-180°	2766.0	100.0

Coefficient of Utilization



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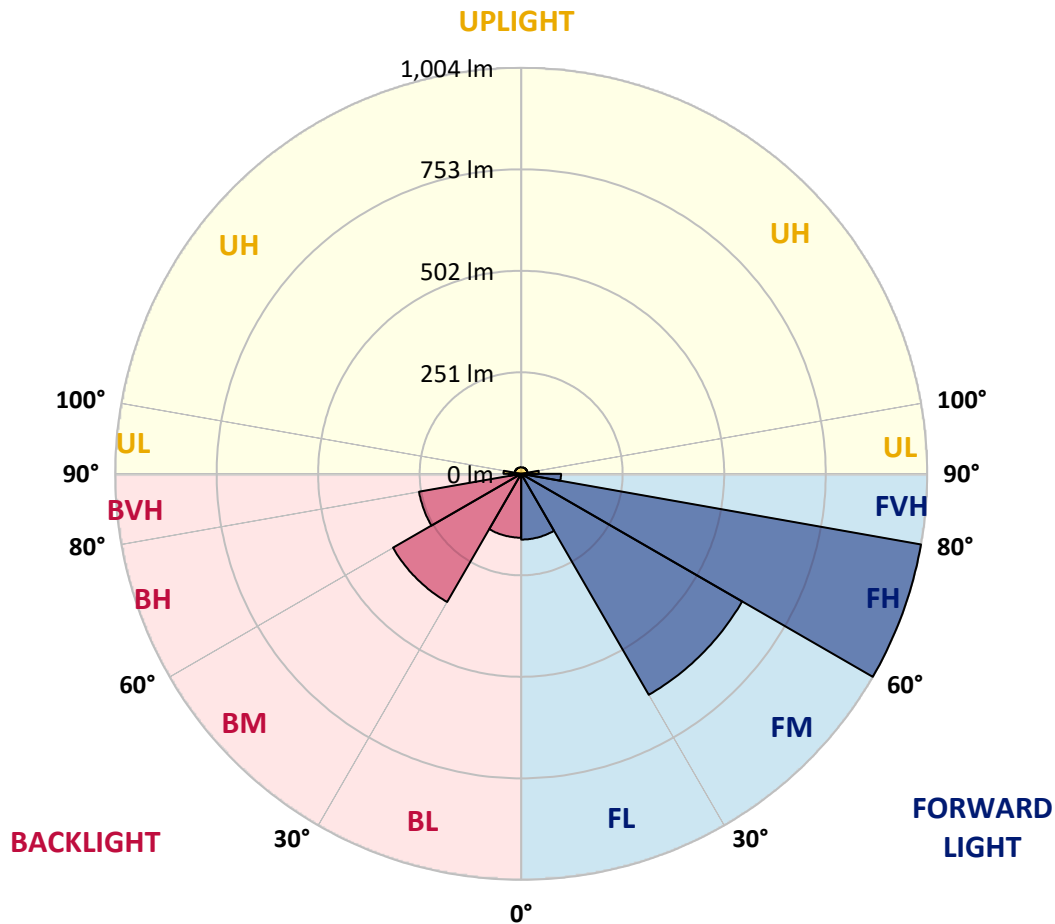
CATALOG NUMBER: CRTK2-C015-5TLD-U-T5R-8027-SR-CARETAKER-DS-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	162.6	5.9			
FM	(30°-60°)	630.8	22.8			
FH	(60°-80°)	1003.7	36.3			G1/1800
FVH	(80°-90°)	98.4	3.6			G1/100
BL	(0°-30°)	157.9	5.7	B1/500		
BM	(30°-60°)	365.8	13.2	B1/1000		
BH	(60°-80°)	256.2	9.3	B1/500		G1/500
BVH	(80°-90°)	30.7	1.1			G1/100
UL	(90°-100°)	43.6	1.6		U2/50	
UH	(100°-180°)	16.3	0.6		U2/50	

BUG Rating: B1-U2-G1

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	384.8	384.8	384.8	384.8	384.8	384.8	384.8	384.8	384.8	384.8	384.8
2.5°	382.0	382.0	382.0	383.4	384.8	383.4	382.0	380.5	379.1	380.5	380.5
5°	380.5	380.5	382.0	382.0	383.4	384.8	383.4	382.0	380.5	380.5	380.5
7.5°	373.4	374.8	374.8	376.3	377.7	380.5	380.5	377.7	377.7	377.7	377.7
10°	366.2	366.2	367.7	369.1	370.5	373.4	373.4	370.5	372.0	373.4	373.4
12.5°	361.9	361.9	363.4	366.2	367.7	369.1	370.5	370.5	372.0	370.5	372.0
15°	359.1	359.1	359.1	363.4	367.7	369.1	372.0	373.4	374.8	374.8	374.8
17.5°	360.5	360.5	360.5	366.2	369.1	373.4	376.3	377.7	377.7	379.1	379.1
20°	363.4	363.4	364.8	369.1	374.8	379.1	382.0	383.4	383.4	386.3	386.3
22.5°	369.1	372.0	370.5	374.8	379.1	384.8	389.1	392.0	392.0	394.8	394.8
25°	382.0	380.5	382.0	386.3	390.6	394.8	397.7	402.0	403.4	406.3	406.3
27.5°	396.3	396.3	396.3	400.6	403.4	407.7	410.6	413.4	416.3	420.6	422.0
30°	417.7	416.3	414.9	419.2	422.0	426.3	429.2	430.6	430.6	433.5	436.3
32.5°	446.4	446.4	446.4	449.2	450.6	454.9	456.4	457.8	456.4	460.7	462.1
35°	482.1	482.1	483.5	486.4	490.7	493.6	495.0	493.6	495.0	497.9	500.7
37.5°	517.9	519.3	523.6	527.9	530.8	536.5	540.8	540.8	542.2	550.8	550.8
40°	419.2	423.5	427.8	437.8	450.6	467.8	496.4	507.9	540.8	557.9	562.2
42.5°	284.7	294.7	306.2	319.0	329.0	330.5	357.7	373.4	406.3	437.8	446.4
45°	271.8	283.3	294.7	286.1	293.3	270.4	297.6	300.4	316.2	340.5	404.9
47.5°	399.1	414.9	430.6	409.2	413.4	363.4	373.4	361.9	326.2	366.2	473.5
50°	520.7	519.3	542.2	532.2	543.6	489.3	493.6	470.7	414.9	470.7	623.7
52.5°	638.1	649.5	673.8	671.0	679.5	609.4	596.6	576.5	489.3	575.1	755.4
55°	774.0	782.5	805.4	798.3	794.0	723.9	701.0	681.0	596.6	708.2	895.6
57.5°	901.3	905.6	932.8	908.4	894.1	841.2	809.7	776.8	693.8	829.8	992.8
60°	1022.9	1028.6	1044.3	1011.4	988.6	947.1	908.4	872.7	795.4	938.5	1083.0
62.5°	1137.3	1131.6	1138.8	1097.3	1081.5	1044.3	1002.9	958.5	891.3	1024.3	1170.2
65°	1203.1	1203.1	1211.7	1158.8	1134.5	1111.6	1065.8	1014.3	952.8	1065.8	1224.6
67.5°	1266.1	1279.0	1274.7	1231.8	1200.3	1168.8	1117.3	1044.3	982.8	1065.8	1227.5
70°	1243.2	1258.9	1241.8	1207.4	1176.0	1138.8	1091.6	1020.0	951.4	1014.3	1161.7
72.5°	1144.5	1155.9	1148.8	1118.7	1080.1	1055.8	1005.7	951.4	871.2	925.6	1054.4
75°	1010.0	1007.2	1020.0	985.7	952.8	929.9	881.3	846.9	772.5	812.6	935.6
77.5°	814.0	815.5	842.6	804.0	778.3	762.5	718.2	689.6	622.3	658.1	752.5
80°	546.5	562.2	588.0	546.5	542.2	520.7	483.5	465.0	413.4	430.6	480.7
82.5°	227.5	234.6	243.2	230.3	226.0	218.9	203.1	197.4	177.4	186.0	186.0
85°	127.3	125.9	130.2	130.2	127.3	121.6	115.9	105.9	97.3	95.9	88.7
87.5°	107.3	108.7	111.6	111.6	105.9	101.6	94.4	87.3	80.1	75.8	68.7
90°	100.1	101.6	103.0	98.7	93.0	88.7	83.0	77.3	71.5	68.7	61.5
92.5°	95.9	95.9	95.9	90.1	84.4	80.1	75.8	70.1	65.8	62.9	57.2
95°	80.1	78.7	77.3	74.4	68.7	64.4	61.5	55.8	52.9	50.1	47.2
97.5°	60.1	58.7	57.2	55.8	50.1	47.2	45.8	42.9	40.1	35.8	34.3
100°	42.9	41.5	41.5	40.1	37.2	34.3	32.9	30.0	27.2	24.3	22.9
102.5°	28.6	27.2	27.2	25.8	24.3	22.9	20.0	18.6	15.7	14.3	12.9
105°	15.7	15.7	15.7	14.3	14.3	12.9	11.4	10.0	8.6	8.6	7.2
107.5°	11.4	11.4	11.4	11.4	10.0	10.0	8.6	7.2	7.2	5.7	5.7
110°	8.6	8.6	8.6	8.6	8.6	7.2	7.2	5.7	5.7	4.3	4.3

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	7.2	7.2	7.2	7.2	7.2	7.2	5.7	5.7	4.3	4.3	4.3
115°	7.2	7.2	7.2	7.2	5.7	5.7	4.3	4.3	4.3	4.3	2.9
117.5°	5.7	5.7	5.7	5.7	5.7	4.3	4.3	4.3	4.3	2.9	4.3
120°	5.7	5.7	5.7	5.7	4.3	4.3	4.3	2.9	2.9	2.9	2.9
122.5°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	2.9	2.9	2.9	2.9
125°	4.3	4.3	4.3	4.3	4.3	2.9	2.9	2.9	2.9	2.9	2.9
127.5°	4.3	4.3	2.9	4.3	2.9	2.9	2.9	2.9	2.9	1.4	2.9
130°	4.3	4.3	2.9	2.9	2.9	2.9	2.9	2.9	1.4	1.4	1.4
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°	384.8	384.8	384.8	384.8	384.8	384.8	384.8	384.8	384.8	384.8
2.5°	382.0	382.0	383.4	382.0	382.0	379.1	377.7	376.3	376.3	376.3
5°	380.5	380.5	379.1	376.3	374.8	372.0	369.1	367.7	366.2	367.7
7.5°	377.7	374.8	372.0	366.2	361.9	360.5	354.8	353.4	353.4	353.4
10°	372.0	369.1	361.9	354.8	351.9	347.6	343.3	339.1	340.5	341.9
12.5°	370.5	363.4	357.7	350.5	346.2	339.1	337.6	333.3	331.9	331.9
15°	372.0	366.2	359.1	353.4	347.6	344.8	339.1	337.6	333.3	336.2
17.5°	377.7	369.1	363.4	357.7	351.9	349.1	344.8	341.9	343.3	343.3
20°	383.4	374.8	369.1	364.8	359.1	354.8	353.4	350.5	351.9	349.1
22.5°	392.0	383.4	379.1	373.4	369.1	366.2	363.4	364.8	361.9	363.4
25°	403.4	396.3	390.6	386.3	382.0	379.1	379.1	379.1	377.7	379.1
27.5°	419.2	412.0	407.7	404.9	400.6	397.7	394.8	396.3	397.7	396.3
30°	433.5	424.9	423.5	420.6	417.7	416.3	416.3	416.3	416.3	419.2
32.5°	456.4	447.8	444.9	444.9	442.1	440.6	439.2	442.1	443.5	442.1
35°	492.1	480.7	477.8	476.4	475.0	475.0	476.4	476.4	476.4	476.4
37.5°	536.5	520.7	517.9	516.5	516.5	516.5	515.0	516.5	520.7	522.2
40°	556.5	546.5	550.8	557.9	562.2	562.2	560.8	563.7	568.0	568.0
42.5°	450.6	429.2	444.9	473.5	492.1	515.0	519.3	533.6	545.1	545.1
45°	366.2	277.5	283.3	301.9	310.4	330.5	341.9	354.8	361.9	351.9
47.5°	412.0	178.8	147.4	153.1	131.6	158.8	177.4	197.4	201.7	206.0
50°	646.6	184.5	124.5	90.1	60.1	80.1	84.4	95.9	93.0	94.4
52.5°	785.4	211.7	124.5	80.1	50.1	52.9	48.6	54.4	57.2	62.9
55°	881.3	254.6	161.7	101.6	58.7	35.8	24.3	18.6	17.2	17.2
57.5°	927.0	311.9	210.3	144.5	91.6	50.1	21.5	15.7	14.3	12.9
60°	970.0	373.4	266.1	197.4	144.5	88.7	40.1	15.7	12.9	12.9
62.5°	1008.6	434.9	321.9	256.1	203.1	138.8	74.4	27.2	14.3	14.3
65°	1040.1	447.8	326.2	277.5	218.9	163.1	97.3	32.9	15.7	15.7
67.5°	1048.6	426.3	314.7	254.6	204.6	138.8	75.8	27.2	18.6	17.2
70°	991.4	404.9	316.2	241.8	184.5	123.0	50.1	31.5	24.3	22.9
72.5°	897.0	374.8	300.4	234.6	177.4	124.5	58.7	51.5	45.8	42.9
75°	789.7	339.1	277.5	224.6	171.7	120.2	68.7	64.4	58.7	57.2
77.5°	633.8	281.8	233.2	190.3	144.5	95.9	57.2	54.4	47.2	47.2
80°	416.3	210.3	176.0	145.9	110.2	67.2	42.9	38.6	34.3	32.9
82.5°	170.2	123.0	105.9	91.6	71.5	42.9	28.6	24.3	20.0	18.6
85°	83.0	61.5	52.9	42.9	35.8	24.3	18.6	15.7	11.4	11.4
87.5°	67.2	48.6	40.1	32.9	24.3	17.2	12.9	10.0	7.2	5.7
90°	61.5	42.9	34.3	27.2	20.0	14.3	8.6	7.2	4.3	2.9
92.5°	55.8	37.2	30.0	21.5	15.7	11.4	5.7	4.3	2.9	2.9
95°	45.8	28.6	22.9	17.2	12.9	8.6	5.7	2.9	1.4	1.4
97.5°	32.9	21.5	17.2	12.9	10.0	5.7	4.3	2.9	1.4	1.4
100°	22.9	14.3	12.9	10.0	7.2	4.3	2.9	1.4	1.4	1.4
102.5°	11.4	8.6	8.6	7.2	5.7	4.3	1.4	1.4	0.0	0.0
105°	7.2	5.7	5.7	4.3	2.9	2.9	1.4	1.4	0.0	0.0
107.5°	4.3	4.3	4.3	2.9	2.9	1.4	1.4	0.0	0.0	0.0
110°	4.3	2.9	2.9	2.9	1.4	1.4	1.4	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°	2.9	2.9	2.9	1.4	1.4	1.4	1.4	0.0	0.0	0.0
115°	2.9	2.9	1.4	1.4	1.4	1.4	0.0	0.0	0.0	0.0
117.5°	2.9	1.4	1.4	1.4	1.4	0.0	0.0	0.0	0.0	0.0
120°	2.9	1.4	1.4	1.4	1.4	0.0	0.0	0.0	0.0	0.0
122.5°	2.9	1.4	1.4	1.4	1.4	0.0	0.0	0.0	0.0	0.0
125°	1.4	1.4	1.4	1.4	1.4	0.0	0.0	0.0	0.0	0.0
127.5°	1.4	1.4	1.4	1.4	0.0	0.0	0.0	0.0	0.0	0.0
130°	1.4	1.4	1.4	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)