

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: P691375

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

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691375
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-D-U-T5R-8027-SR-CARETAKER-DS-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 80 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: 2488 lumens
Efficiency: N/A
Efficacy: 83.2 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): 29.9
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

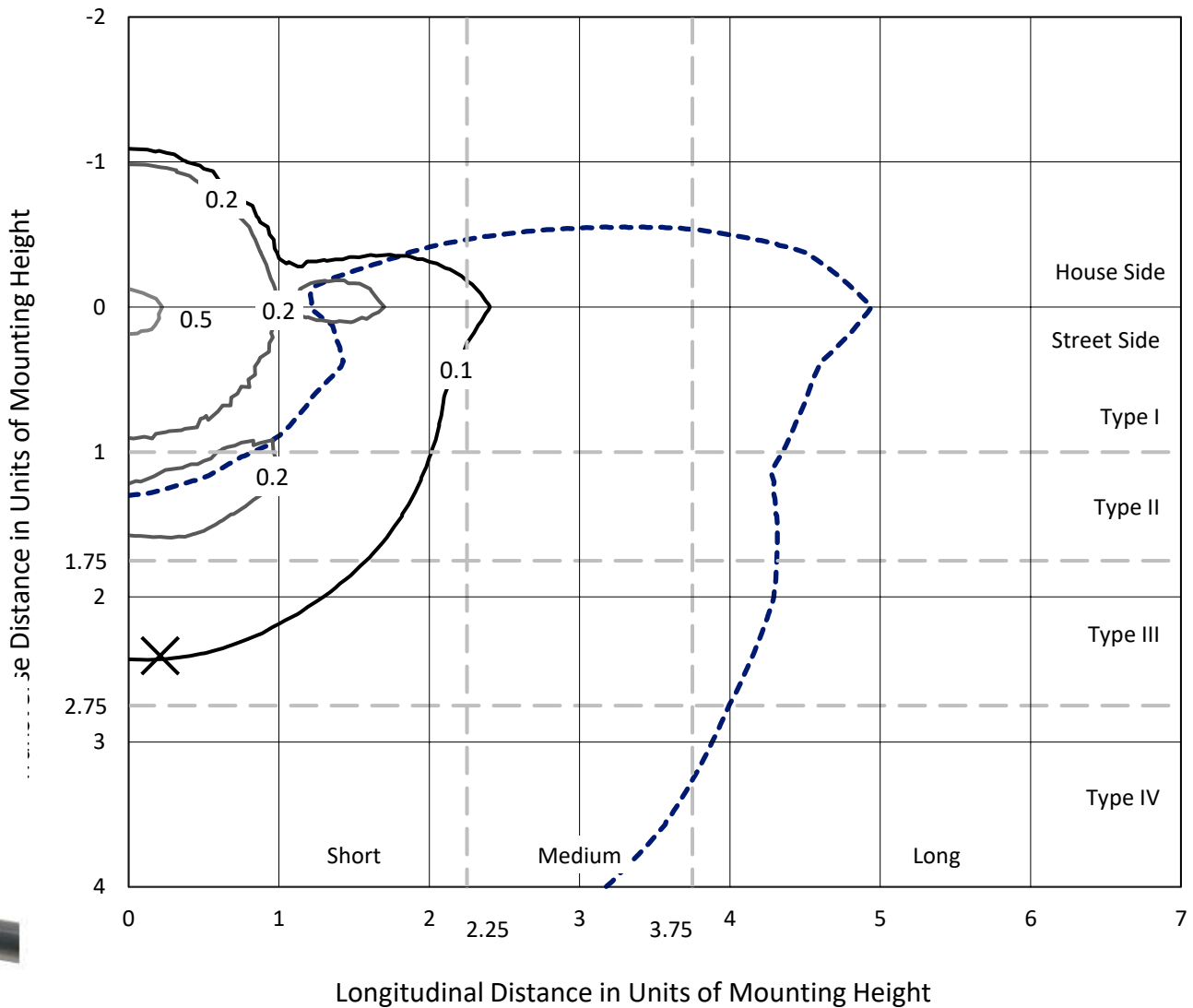


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

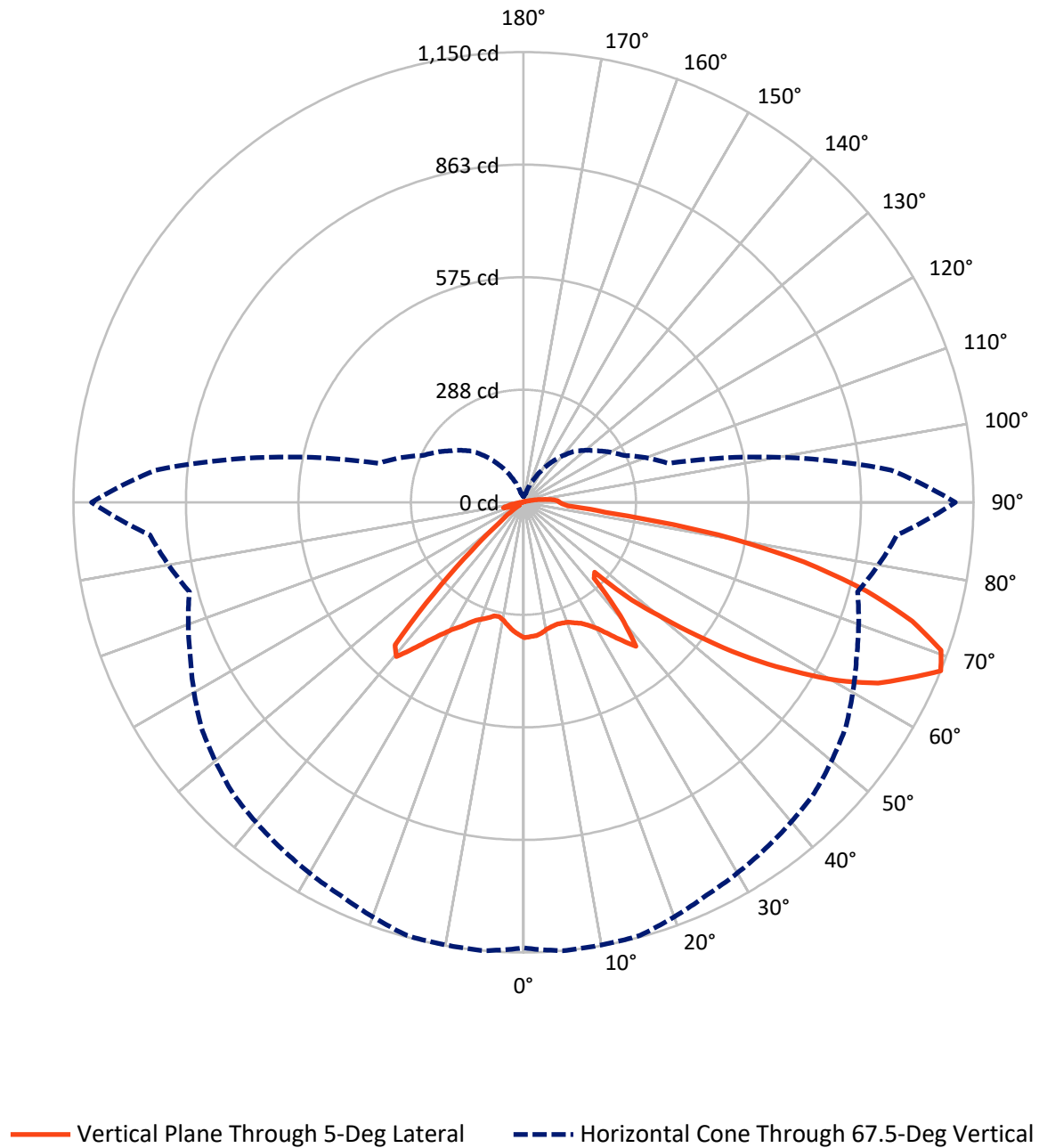


Based on 25 foot mounting height. Maximum calculated value = 0.6 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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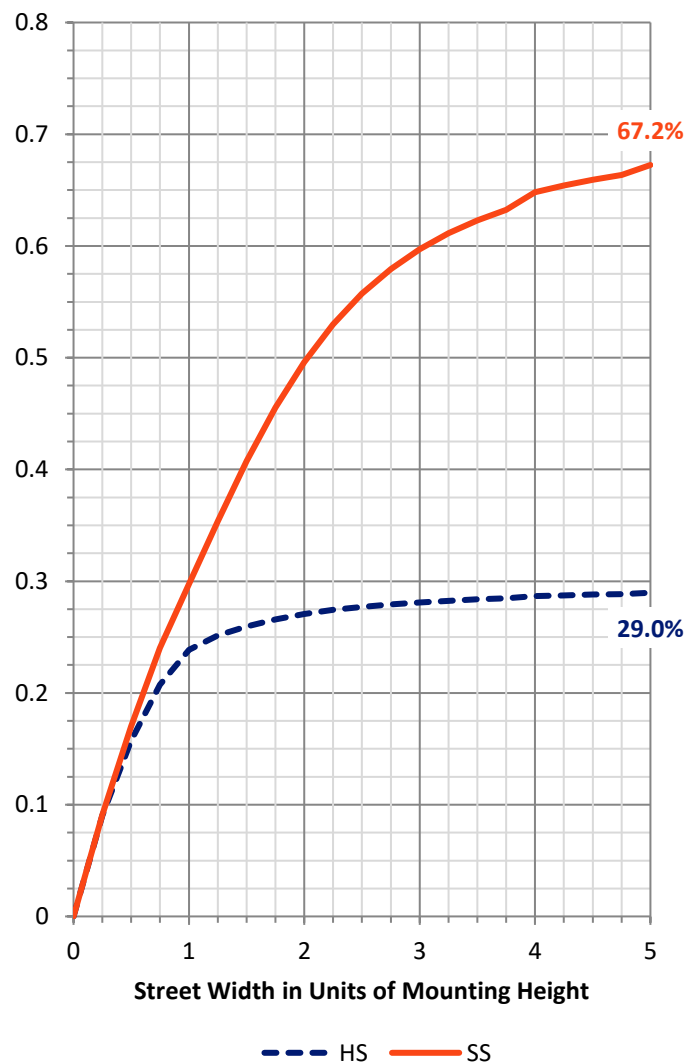
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	729.2	11.0	740.1
	% Fixture	29.3	0.4	29.7
Street Side	Lumens	1705.0	42.8	1747.9
	% Fixture	68.5	1.7	70.3
Total	Lumens	2434.2	53.8	2488.0
	% Fixture	97.8	2.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	32.0	1.3
10°-20°	92.3	3.7
20°-30°	164.0	6.6
30°-40°	274.3	11.0
40°-50°	250.5	10.1
50°-60°	371.8	14.9
60°-70°	609.9	24.5
70°-80°	523.4	21.0
80°-90°	116.1	4.7
90°-100°	39.2	1.6
100°-110°	9.7	0.4
110°-120°	3.1	0.1
120°-130°	1.7	0.1
130°-140°	0.1	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°	2434.2	97.8
0°-180°	2488.0	100.0

Coefficient of Utilization



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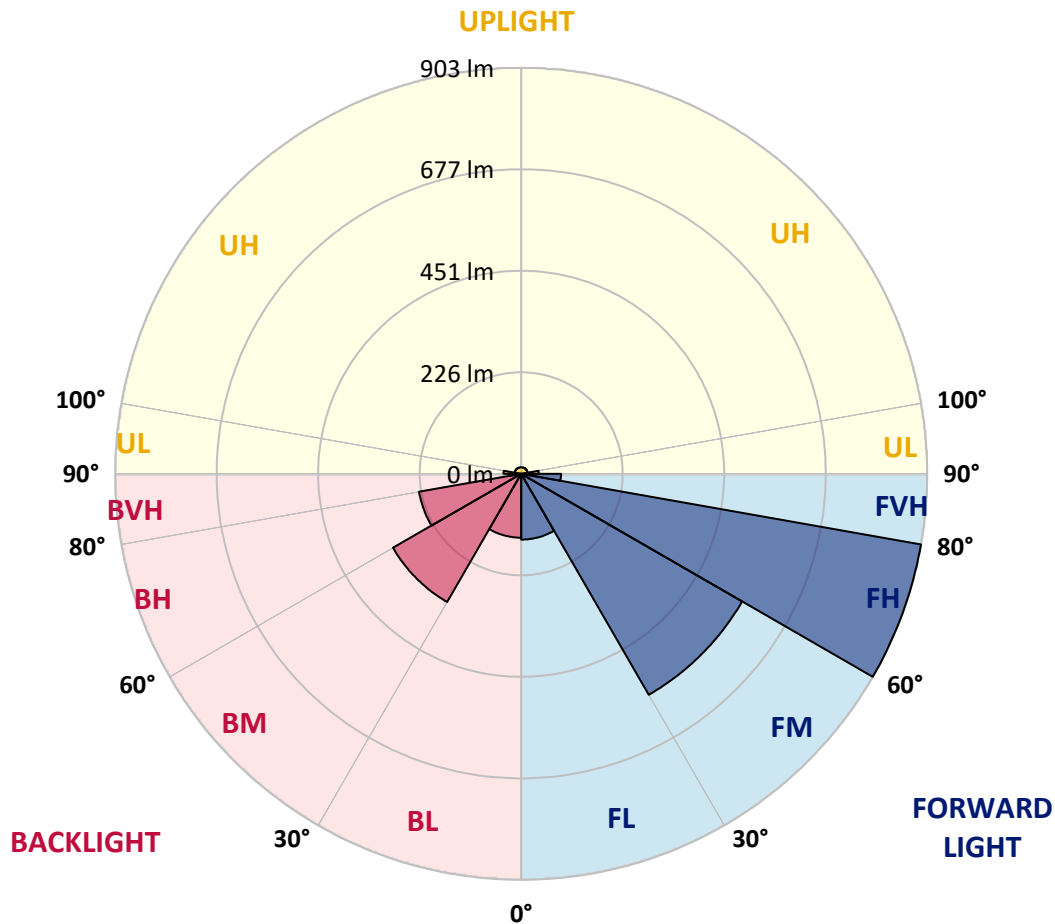
CATALOG NUMBER: CRTK2-C015-D-U-T5R-8027-SR-CARETAKER-DS-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	146.2	5.9			
FM	(30°-60°)	567.4	22.8			
FH	(60°-80°)	902.9	36.3			G1/1800
FVH	(80°-90°)	88.5	3.6			G1/100
BL	(0°-30°)	142.0	5.7	B1/500		
BM	(30°-60°)	329.1	13.2	B1/1000		
BH	(60°-80°)	230.5	9.3	B1/500		G1/500
BVH	(80°-90°)	27.6	1.1			G1/100
UL	(90°-100°)	39.2	1.6		U2/50	
UH	(100°-180°)	14.6	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°	346.2	346.2	346.2	346.2	346.2	346.2	346.2	346.2	346.2	346.2	346.2
2.5°	343.6	343.6	343.6	344.9	346.2	344.9	343.6	342.3	341.0	342.3	342.3
5°	342.3	342.3	343.6	343.6	344.9	346.2	344.9	343.6	342.3	342.3	342.3
7.5°	335.9	337.1	337.1	338.4	339.7	342.3	342.3	339.7	339.7	339.7	339.7
10°	329.4	329.4	330.7	332.0	333.3	335.9	335.9	333.3	334.6	335.9	335.9
12.5°	325.6	325.6	326.9	329.4	330.7	332.0	333.3	333.3	334.6	333.3	334.6
15°	323.0	323.0	323.0	326.9	330.7	332.0	334.6	335.9	337.1	337.1	337.1
17.5°	324.3	324.3	324.3	329.4	332.0	335.9	338.4	339.7	339.7	341.0	341.0
20°	326.9	326.9	328.1	332.0	337.1	341.0	343.6	344.9	344.9	347.4	347.4
22.5°	332.0	334.6	333.3	337.1	341.0	346.2	350.0	352.6	352.6	355.2	355.2
25°	343.6	342.3	343.6	347.4	351.3	355.2	357.7	361.6	362.9	365.5	365.5
27.5°	356.5	356.5	356.5	360.3	362.9	366.7	369.3	371.9	374.5	378.3	379.6
30°	375.8	374.5	373.2	377.0	379.6	383.5	386.0	387.3	387.3	389.9	392.5
32.5°	401.5	401.5	401.5	404.1	405.4	409.2	410.5	411.8	410.5	414.4	415.6
35°	433.7	433.7	434.9	437.5	441.4	444.0	445.2	444.0	445.2	447.8	450.4
37.5°	465.8	467.1	471.0	474.8	477.4	482.6	486.4	486.4	487.7	495.4	495.4
40°	377.0	380.9	384.8	393.8	405.4	420.8	446.5	456.8	486.4	501.9	505.7
42.5°	256.1	265.1	275.4	287.0	296.0	297.3	321.7	335.9	365.5	393.8	401.5
45°	244.5	254.8	265.1	257.4	263.8	243.2	267.7	270.2	284.4	306.3	364.2
47.5°	359.0	373.2	387.3	368.0	371.9	326.9	335.9	325.6	293.4	329.4	425.9
50°	468.4	467.1	487.7	478.7	489.0	440.1	444.0	423.4	373.2	423.4	561.1
52.5°	573.9	584.2	606.1	603.5	611.2	548.2	536.6	518.6	440.1	517.3	679.4
55°	696.2	703.9	724.5	718.1	714.2	651.1	630.5	612.5	536.6	637.0	805.6
57.5°	810.7	814.6	839.0	817.1	804.3	756.7	728.3	698.7	624.1	746.4	893.1
60°	920.1	925.2	939.4	909.8	889.2	851.9	817.1	785.0	715.5	844.2	974.1
62.5°	1023.0	1017.9	1024.3	987.0	972.8	939.4	902.1	862.2	801.7	921.4	1052.6
65°	1082.2	1082.2	1089.9	1042.3	1020.5	999.9	958.7	912.4	857.0	958.7	1101.5
67.5°	1138.8	1150.4	1146.6	1108.0	1079.7	1051.3	1005.0	939.4	884.1	958.7	1104.1
70°	1118.3	1132.4	1117.0	1086.1	1057.8	1024.3	981.9	917.5	855.7	912.4	1044.9
72.5°	1029.5	1039.8	1033.3	1006.3	971.6	949.7	904.6	855.7	783.7	832.6	948.4
75°	908.5	905.9	917.5	886.6	857.0	836.4	792.7	761.8	694.9	730.9	841.6
77.5°	732.2	733.5	757.9	723.2	700.0	685.9	646.0	620.3	559.8	591.9	676.9
80°	491.6	505.7	528.9	491.6	487.7	468.4	434.9	418.2	371.9	387.3	432.4
82.5°	204.6	211.0	218.8	207.2	203.3	196.9	182.7	177.6	159.6	167.3	167.3
85°	114.5	113.2	117.1	117.1	114.5	109.4	104.2	95.2	87.5	86.2	79.8
87.5°	96.5	97.8	100.4	100.4	95.2	91.4	84.9	78.5	72.1	68.2	61.8
90°	90.1	91.4	92.7	88.8	83.6	79.8	74.6	69.5	64.3	61.8	55.3
92.5°	86.2	86.2	86.2	81.1	75.9	72.1	68.2	63.1	59.2	56.6	51.5
95°	72.1	70.8	69.5	66.9	61.8	57.9	55.3	50.2	47.6	45.0	42.5
97.5°	54.0	52.8	51.5	50.2	45.0	42.5	41.2	38.6	36.0	32.2	30.9
100°	38.6	37.3	37.3	36.0	33.5	30.9	29.6	27.0	24.4	21.9	20.6
102.5°	25.7	24.4	24.4	23.2	21.9	20.6	18.0	16.7	14.2	12.9	11.6
105°	14.2	14.2	14.2	12.9	12.9	11.6	10.3	9.0	7.7	7.7	6.4
107.5°	10.3	10.3	10.3	10.3	9.0	9.0	7.7	6.4	6.4	5.1	5.1
110°	7.7	7.7	7.7	7.7	7.7	6.4	6.4	5.1	5.1	3.9	3.9

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	6.4	6.4	6.4	6.4	6.4	6.4	5.1	5.1	3.9	3.9	3.9
115°	6.4	6.4	6.4	6.4	5.1	5.1	3.9	3.9	3.9	3.9	2.6
117.5°	5.1	5.1	5.1	5.1	5.1	3.9	3.9	3.9	3.9	2.6	3.9
120°	5.1	5.1	5.1	5.1	3.9	3.9	3.9	2.6	2.6	2.6	2.6
122.5°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	2.6	2.6	2.6	2.6
125°	3.9	3.9	3.9	3.9	3.9	2.6	2.6	2.6	2.6	2.6	2.6
127.5°	3.9	3.9	2.6	3.9	2.6	2.6	2.6	2.6	2.6	1.3	2.6
130°	3.9	3.9	2.6	2.6	2.6	2.6	2.6	2.6	1.3	1.3	1.3
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°	346.2	346.2	346.2	346.2	346.2	346.2	346.2	346.2	346.2	346.2
2.5°	343.6	343.6	344.9	343.6	343.6	341.0	339.7	338.4	338.4	338.4
5°	342.3	342.3	341.0	338.4	337.1	334.6	332.0	330.7	329.4	330.7
7.5°	339.7	337.1	334.6	329.4	325.6	324.3	319.1	317.8	317.8	317.8
10°	334.6	332.0	325.6	319.1	316.6	312.7	308.8	305.0	306.3	307.6
12.5°	333.3	326.9	321.7	315.3	311.4	305.0	303.7	299.8	298.5	298.5
15°	334.6	329.4	323.0	317.8	312.7	310.1	305.0	303.7	299.8	302.4
17.5°	339.7	332.0	326.9	321.7	316.6	314.0	310.1	307.6	308.8	308.8
20°	344.9	337.1	332.0	328.1	323.0	319.1	317.8	315.3	316.6	314.0
22.5°	352.6	344.9	341.0	335.9	332.0	329.4	326.9	328.1	325.6	326.9
25°	362.9	356.5	351.3	347.4	343.6	341.0	341.0	341.0	339.7	341.0
27.5°	377.0	370.6	366.7	364.2	360.3	357.7	355.2	356.5	357.7	356.5
30°	389.9	382.2	380.9	378.3	375.8	374.5	374.5	374.5	374.5	377.0
32.5°	410.5	402.8	400.2	400.2	397.6	396.3	395.1	397.6	398.9	397.6
35°	442.7	432.4	429.8	428.5	427.2	427.2	428.5	428.5	428.5	428.5
37.5°	482.6	468.4	465.8	464.5	464.5	464.5	463.3	464.5	468.4	469.7
40°	500.6	491.6	495.4	501.9	505.7	505.7	504.4	507.0	510.9	510.9
42.5°	405.4	386.0	400.2	425.9	442.7	463.3	467.1	480.0	490.3	490.3
45°	329.4	249.6	254.8	271.5	279.2	297.3	307.6	319.1	325.6	316.6
47.5°	370.6	160.9	132.5	137.7	118.4	142.8	159.6	177.6	181.4	185.3
50°	581.6	166.0	112.0	81.1	54.0	72.1	75.9	86.2	83.6	84.9
52.5°	706.5	190.5	112.0	72.1	45.0	47.6	43.8	48.9	51.5	56.6
55°	792.7	229.1	145.4	91.4	52.8	32.2	21.9	16.7	15.4	15.4
57.5°	833.9	280.5	189.2	130.0	82.4	45.0	19.3	14.2	12.9	11.6
60°	872.5	335.9	239.4	177.6	130.0	79.8	36.0	14.2	11.6	11.6
62.5°	907.2	391.2	289.5	230.3	182.7	124.8	66.9	24.4	12.9	12.9
65°	935.5	402.8	293.4	249.6	196.9	146.7	87.5	29.6	14.2	14.2
67.5°	943.2	383.5	283.1	229.1	184.0	124.8	68.2	24.4	16.7	15.4
70°	891.8	364.2	284.4	217.5	166.0	110.7	45.0	28.3	21.9	20.6
72.5°	806.8	337.1	270.2	211.0	159.6	112.0	52.8	46.3	41.2	38.6
75°	710.3	305.0	249.6	202.0	154.4	108.1	61.8	57.9	52.8	51.5
77.5°	570.1	253.5	209.8	171.1	130.0	86.2	51.5	48.9	42.5	42.5
80°	374.5	189.2	158.3	131.3	99.1	60.5	38.6	34.7	30.9	29.6
82.5°	153.1	110.7	95.2	82.4	64.3	38.6	25.7	21.9	18.0	16.7
85°	74.6	55.3	47.6	38.6	32.2	21.9	16.7	14.2	10.3	10.3
87.5°	60.5	43.8	36.0	29.6	21.9	15.4	11.6	9.0	6.4	5.1
90°	55.3	38.6	30.9	24.4	18.0	12.9	7.7	6.4	3.9	2.6
92.5°	50.2	33.5	27.0	19.3	14.2	10.3	5.1	3.9	2.6	2.6
95°	41.2	25.7	20.6	15.4	11.6	7.7	5.1	2.6	1.3	1.3
97.5°	29.6	19.3	15.4	11.6	9.0	5.1	3.9	2.6	1.3	1.3
100°	20.6	12.9	11.6	9.0	6.4	3.9	2.6	1.3	1.3	1.3
102.5°	10.3	7.7	7.7	6.4	5.1	3.9	1.3	1.3	0.0	0.0
105°	6.4	5.1	5.1	3.9	2.6	2.6	1.3	1.3	0.0	0.0
107.5°	3.9	3.9	3.9	2.6	2.6	1.3	1.3	0.0	0.0	0.0
110°	3.9	2.6	2.6	2.6	1.3	1.3	1.3	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°	2.6	2.6	2.6	1.3	1.3	1.3	1.3	0.0	0.0	0.0
115°	2.6	2.6	1.3	1.3	1.3	1.3	0.0	0.0	0.0	0.0
117.5°	2.6	1.3	1.3	1.3	1.3	0.0	0.0	0.0	0.0	0.0
120°	2.6	1.3	1.3	1.3	1.3	0.0	0.0	0.0	0.0	0.0
122.5°	2.6	1.3	1.3	1.3	1.3	0.0	0.0	0.0	0.0	0.0
125°	1.3	1.3	1.3	1.3	1.3	0.0	0.0	0.0	0.0	0.0
127.5°	1.3	1.3	1.3	1.3	0.0	0.0	0.0	0.0	0.0	0.0
130°	1.3	1.3	1.3	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)