

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: P691637

Luminaire Tested: **CRTK2-C018-5TLD-U-T5R-7040-SR-CARETAKER-DS-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691637
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-C018-5TLD-U-T5R-7040-SR-CARETAKER-DS-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 4000K 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: 5099 lumens
Efficiency: N/A
Efficacy: 95.0 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): 53.7
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

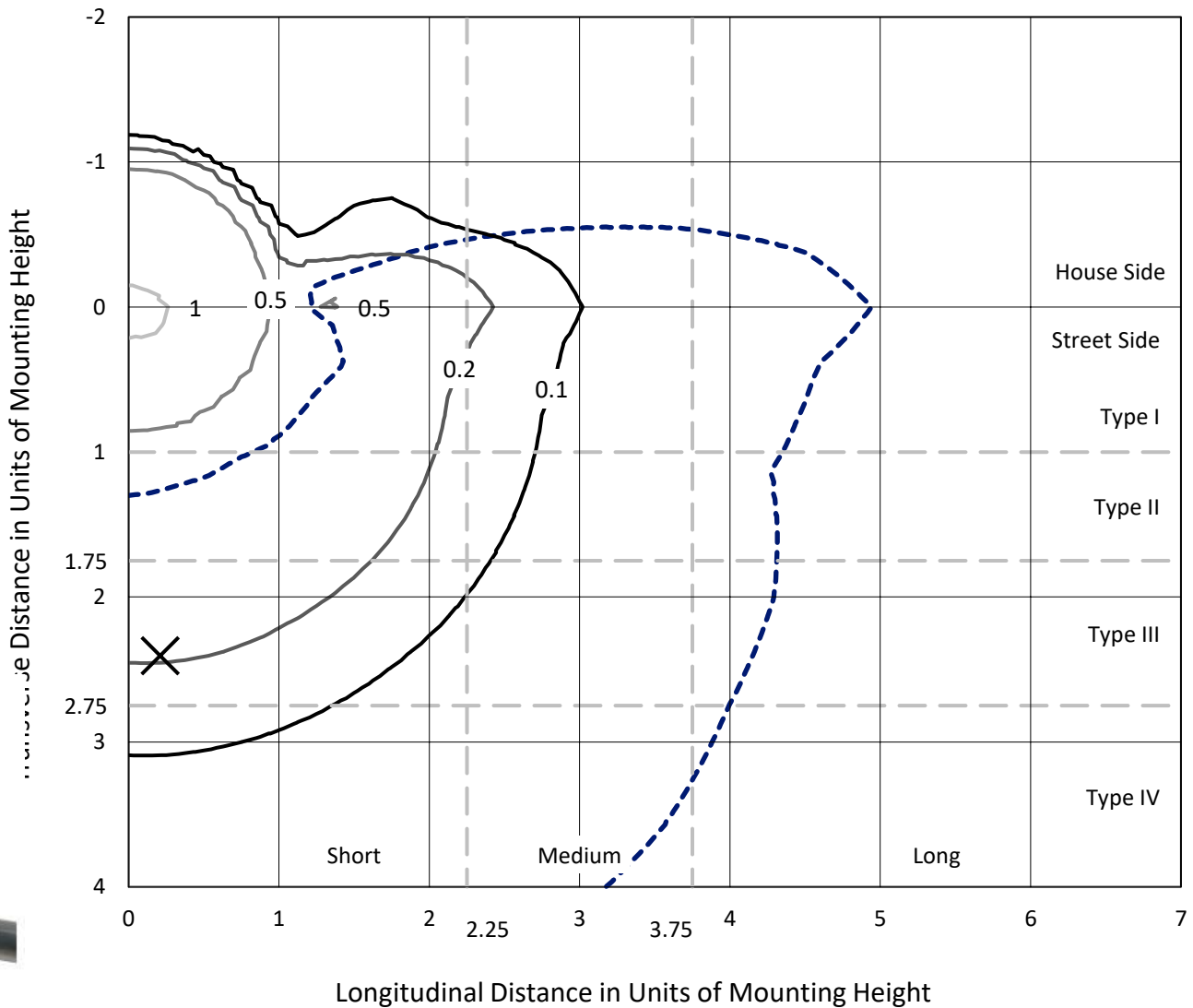


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

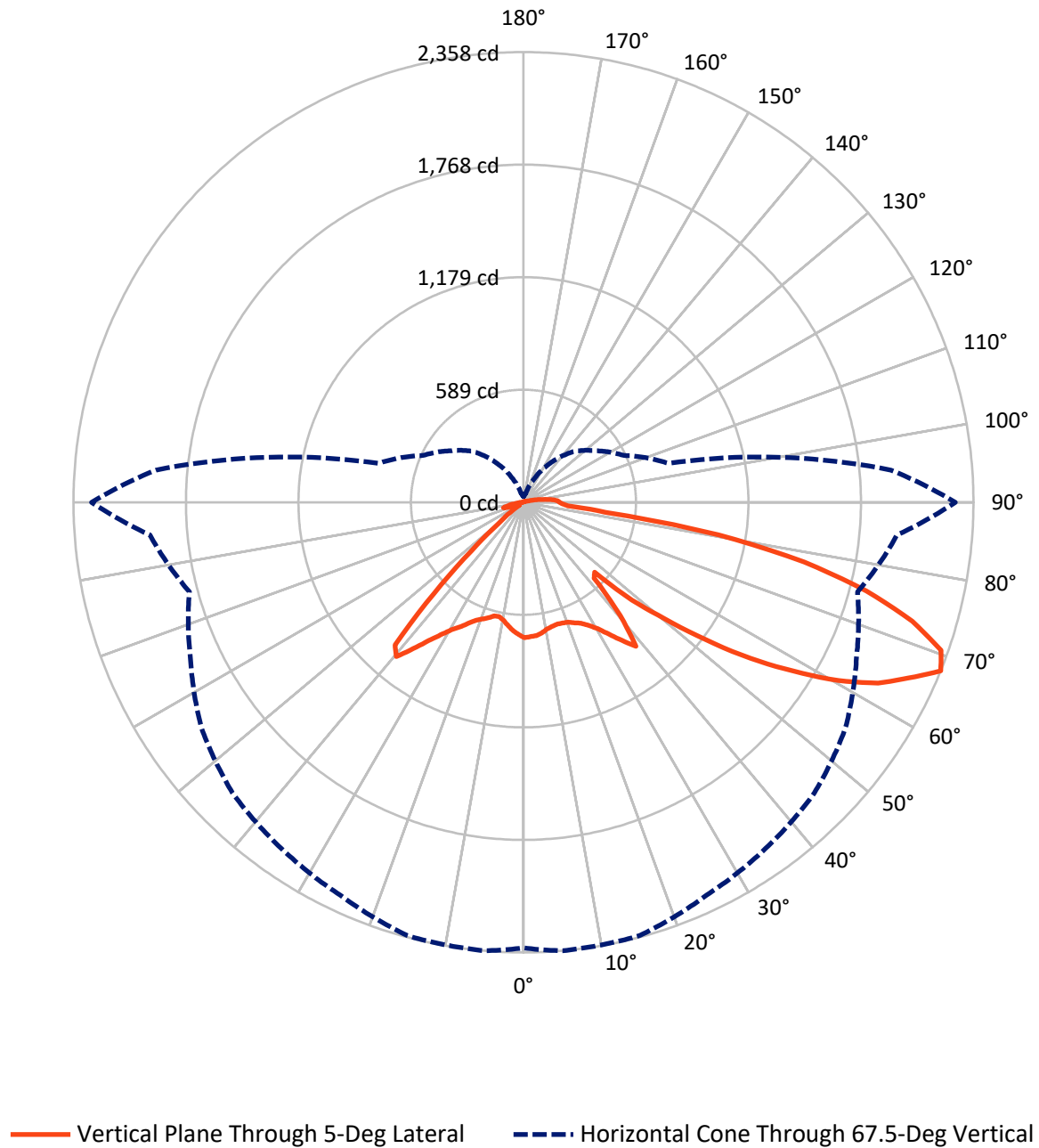


Based on 25 foot mounting height. Maximum calculated value = 1.1 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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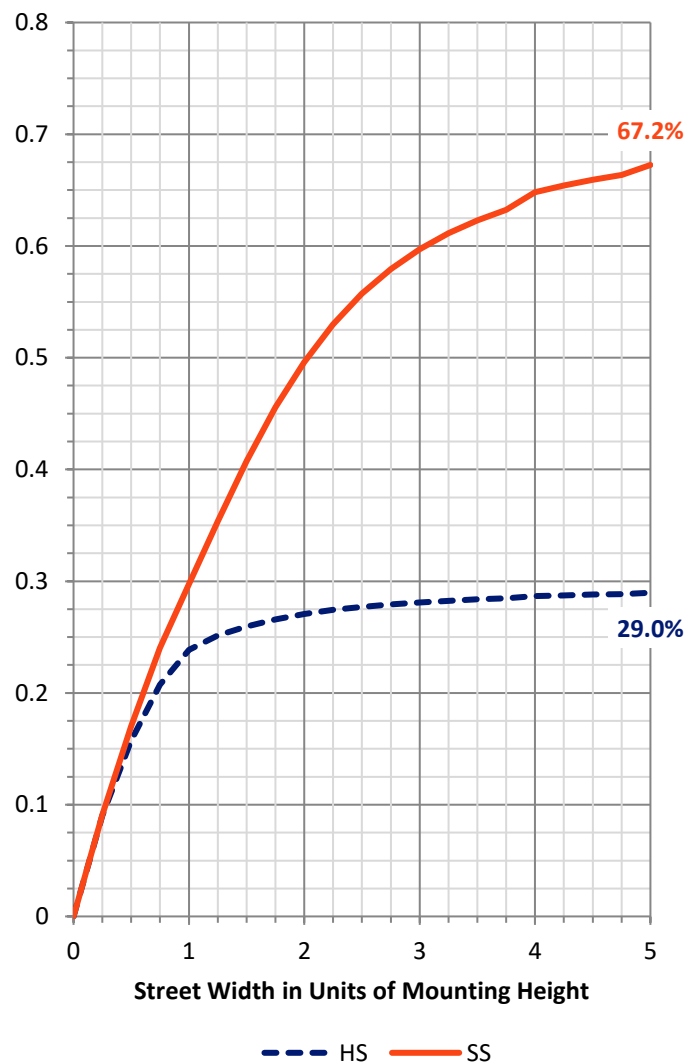
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1494.4	22.5	1516.8
	% Fixture	29.3	0.4	29.7
Street Side	Lumens	3494.4	87.8	3582.2
	% Fixture	68.5	1.7	70.3
Total	Lumens	4988.7	110.2	5099.0
	% Fixture	97.8	2.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	65.5	1.3
10°-20°	189.2	3.7
20°-30°	336.1	6.6
30°-40°	562.1	11.0
40°-50°	513.3	10.1
50°-60°	761.9	14.9
60°-70°	1249.9	24.5
70°-80°	1072.7	21.0
80°-90°	237.9	4.7
90°-100°	80.3	1.6
100°-110°	19.8	0.4
110°-120°	6.3	0.1
120°-130°	3.5	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°	4988.7	97.8
0°-180°	5099.0	100.0

Coefficient of Utilization



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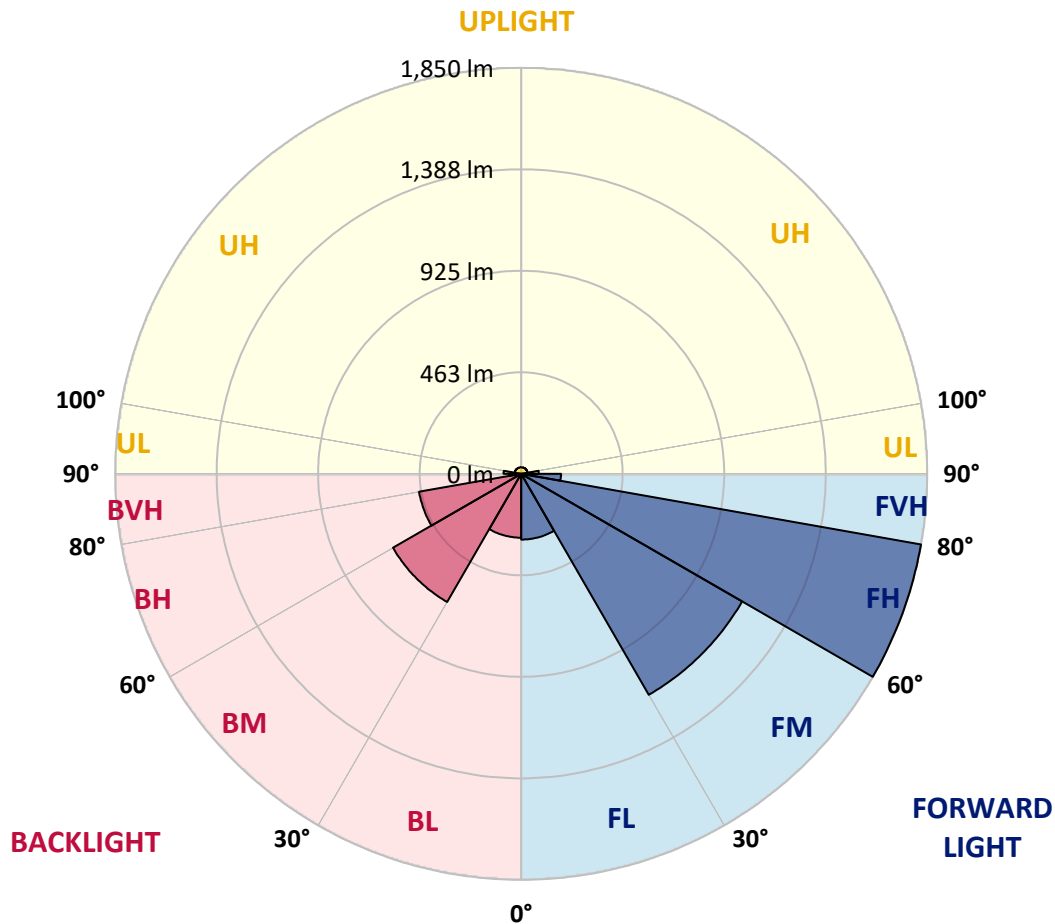
CATALOG NUMBER: CRTK2-C018-5TLD-U-T5R-7040-SR-CARETAKER-DS-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	299.7	5.9			
FM	(30°-60°)	1162.9	22.8			
FH	(60°-80°)	1850.3	36.3			G2/5000
FVH	(80°-90°)	181.4	3.6			G2/225
BL	(0°-30°)	291.1	5.7	B1/500		
BM	(30°-60°)	674.4	13.2	B1/1000		
BH	(60°-80°)	472.3	9.3	B1/500		G1/500
BVH	(80°-90°)	56.5	1.1			G1/100
UL	(90°-100°)	80.3	1.6		U3/500	
UH	(100°-180°)	29.9	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°	709.4	709.4	709.4	709.4	709.4	709.4	709.4	709.4	709.4	709.4	709.4
2.5°	704.2	704.2	704.2	706.8	709.4	706.8	704.2	701.5	698.9	701.5	701.5
5°	701.5	701.5	704.2	704.2	706.8	709.4	706.8	704.2	701.5	701.5	701.5
7.5°	688.3	691.0	691.0	693.6	696.2	701.5	701.5	696.2	696.2	696.2	696.2
10°	675.1	675.1	677.8	680.4	683.1	688.3	688.3	683.1	685.7	688.3	688.3
12.5°	667.2	667.2	669.9	675.1	677.8	680.4	683.1	683.1	685.7	683.1	685.7
15°	662.0	662.0	662.0	669.9	677.8	680.4	685.7	688.3	691.0	691.0	691.0
17.5°	664.6	664.6	664.6	675.1	680.4	688.3	693.6	696.2	696.2	698.9	698.9
20°	669.9	669.9	672.5	680.4	691.0	698.9	704.2	706.8	706.8	712.1	712.1
22.5°	680.4	685.7	683.1	691.0	698.9	709.4	717.3	722.6	722.6	727.9	727.9
25°	704.2	701.5	704.2	712.1	720.0	727.9	733.2	741.1	743.7	749.0	749.0
27.5°	730.5	730.5	730.5	738.4	743.7	751.6	756.9	762.2	767.4	775.4	778.0
30°	770.1	767.4	764.8	772.7	778.0	785.9	791.2	793.8	793.8	799.1	804.4
32.5°	822.8	822.8	822.8	828.1	830.7	838.7	841.3	843.9	841.3	849.2	851.8
35°	888.8	888.8	891.4	896.7	904.6	909.9	912.5	909.9	912.5	917.8	923.0
37.5°	954.7	957.3	965.2	973.2	978.4	989.0	996.9	996.9	999.5	1015.4	1015.4
40°	772.7	780.6	788.5	807.0	830.7	862.4	915.1	936.2	996.9	1028.5	1036.5
42.5°	524.8	543.3	564.4	588.1	606.6	609.2	659.3	688.3	749.0	807.0	822.8
45°	501.1	522.2	543.3	527.5	540.6	498.4	548.6	553.8	582.8	627.7	746.3
47.5°	735.8	764.8	793.8	754.3	762.2	669.9	688.3	667.2	601.3	675.1	872.9
50°	960.0	957.3	999.5	981.1	1002.2	901.9	909.9	867.7	764.8	867.7	1149.9
52.5°	1176.2	1197.3	1242.2	1236.9	1252.7	1123.5	1099.7	1062.8	901.9	1060.2	1392.5
55°	1426.8	1442.6	1484.8	1471.6	1463.7	1334.5	1292.3	1255.3	1099.7	1305.5	1650.9
57.5°	1661.5	1669.4	1719.5	1674.7	1648.3	1550.7	1492.7	1432.0	1279.1	1529.6	1830.3
60°	1885.7	1896.2	1925.2	1864.6	1822.4	1745.9	1674.7	1608.7	1466.3	1730.1	1996.4
62.5°	2096.6	2086.1	2099.3	2022.8	1993.8	1925.2	1848.7	1767.0	1643.0	1888.3	2157.3
65°	2218.0	2218.0	2233.8	2136.2	2091.4	2049.2	1964.8	1869.8	1756.4	1964.8	2257.5
67.5°	2334.0	2357.7	2349.8	2270.7	2212.7	2154.7	2059.7	1925.2	1811.8	1964.8	2262.8
70°	2291.8	2320.8	2289.2	2225.9	2167.8	2099.3	2012.2	1880.4	1753.8	1869.8	2141.5
72.5°	2109.8	2130.9	2117.7	2062.4	1991.1	1946.3	1854.0	1753.8	1606.1	1706.3	1943.7
75°	1861.9	1856.6	1880.4	1817.1	1756.4	1714.2	1624.6	1561.3	1424.1	1498.0	1724.8
77.5°	1500.6	1503.2	1553.4	1482.1	1434.7	1405.7	1323.9	1271.2	1147.2	1213.1	1387.2
80°	1007.4	1036.5	1083.9	1007.4	999.5	960.0	891.4	857.1	762.2	793.8	886.1
82.5°	419.3	432.5	448.3	424.6	416.7	403.5	374.5	363.9	327.0	342.8	342.8
85°	234.7	232.1	240.0	240.0	234.7	224.2	213.6	195.2	179.3	176.7	163.5
87.5°	197.8	200.4	205.7	205.7	195.2	187.2	174.1	160.9	147.7	139.8	126.6
90°	184.6	187.2	189.9	182.0	171.4	163.5	153.0	142.4	131.9	126.6	113.4
92.5°	176.7	176.7	176.7	166.1	155.6	147.7	139.8	129.2	121.3	116.0	105.5
95°	147.7	145.1	142.4	137.1	126.6	118.7	113.4	102.9	97.6	92.3	87.0
97.5°	110.8	108.1	105.5	102.9	92.3	87.0	84.4	79.1	73.8	65.9	63.3
100°	79.1	76.5	76.5	73.8	68.6	63.3	60.7	55.4	50.1	44.8	42.2
102.5°	52.7	50.1	50.1	47.5	44.8	42.2	36.9	34.3	29.0	26.4	23.7
105°	29.0	29.0	29.0	26.4	26.4	23.7	21.1	18.5	15.8	15.8	13.2
107.5°	21.1	21.1	21.1	21.1	18.5	18.5	15.8	13.2	13.2	10.5	10.5
110°	15.8	15.8	15.8	15.8	15.8	13.2	13.2	10.5	10.5	7.9	7.9

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	13.2	13.2	13.2	13.2	13.2	13.2	10.5	10.5	7.9	7.9	7.9
115°	13.2	13.2	13.2	13.2	10.5	10.5	7.9	7.9	7.9	7.9	5.3
117.5°	10.5	10.5	10.5	10.5	10.5	7.9	7.9	7.9	7.9	5.3	7.9
120°	10.5	10.5	10.5	10.5	7.9	7.9	7.9	5.3	5.3	5.3	5.3
122.5°	7.9	7.9	7.9	7.9	7.9	7.9	7.9	5.3	5.3	5.3	5.3
125°	7.9	7.9	7.9	7.9	7.9	5.3	5.3	5.3	5.3	5.3	5.3
127.5°	7.9	7.9	5.3	7.9	5.3	5.3	5.3	5.3	5.3	2.6	5.3
130°	7.9	7.9	5.3	5.3	5.3	5.3	5.3	5.3	2.6	2.6	2.6
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°	709.4	709.4	709.4	709.4	709.4	709.4	709.4	709.4	709.4	709.4
2.5°	704.2	704.2	706.8	704.2	704.2	698.9	696.2	693.6	693.6	693.6
5°	701.5	701.5	698.9	693.6	691.0	685.7	680.4	677.8	675.1	677.8
7.5°	696.2	691.0	685.7	675.1	667.2	664.6	654.0	651.4	651.4	651.4
10°	685.7	680.4	667.2	654.0	648.8	640.9	632.9	625.0	627.7	630.3
12.5°	683.1	669.9	659.3	646.1	638.2	625.0	622.4	614.5	611.8	611.8
15°	685.7	675.1	662.0	651.4	640.9	635.6	625.0	622.4	614.5	619.8
17.5°	696.2	680.4	669.9	659.3	648.8	643.5	635.6	630.3	632.9	632.9
20°	706.8	691.0	680.4	672.5	662.0	654.0	651.4	646.1	648.8	643.5
22.5°	722.6	706.8	698.9	688.3	680.4	675.1	669.9	672.5	667.2	669.9
25°	743.7	730.5	720.0	712.1	704.2	698.9	698.9	698.9	696.2	698.9
27.5°	772.7	759.5	751.6	746.3	738.4	733.2	727.9	730.5	733.2	730.5
30°	799.1	783.3	780.6	775.4	770.1	767.4	767.4	767.4	767.4	772.7
32.5°	841.3	825.5	820.2	820.2	814.9	812.3	809.6	814.9	817.6	814.9
35°	907.2	886.1	880.9	878.2	875.6	875.6	878.2	878.2	878.2	878.2
37.5°	989.0	960.0	954.7	952.1	952.1	952.1	949.4	952.1	960.0	962.6
40°	1025.9	1007.4	1015.4	1028.5	1036.5	1036.5	1033.8	1039.1	1047.0	1047.0
42.5°	830.7	791.2	820.2	872.9	907.2	949.4	957.3	983.7	1004.8	1004.8
45°	675.1	511.6	522.2	556.5	572.3	609.2	630.3	654.0	667.2	648.8
47.5°	759.5	329.7	271.6	282.2	242.6	292.7	327.0	363.9	371.9	379.8
50°	1192.0	340.2	229.4	166.1	110.8	147.7	155.6	176.7	171.4	174.1
52.5°	1447.9	390.3	229.4	147.7	92.3	97.6	89.7	100.2	105.5	116.0
55°	1624.6	469.4	298.0	187.2	108.1	65.9	44.8	34.3	31.6	31.6
57.5°	1709.0	574.9	387.7	266.4	168.8	92.3	39.6	29.0	26.4	23.7
60°	1788.1	688.3	490.5	363.9	266.4	163.5	73.8	29.0	23.7	23.7
62.5°	1859.3	801.7	593.4	472.1	374.5	255.8	137.1	50.1	26.4	26.4
65°	1917.3	825.5	601.3	511.6	403.5	300.6	179.3	60.7	29.0	29.0
67.5°	1933.1	785.9	580.2	469.4	377.1	255.8	139.8	50.1	34.3	31.6
70°	1827.6	746.3	582.8	445.7	340.2	226.8	92.3	58.0	44.8	42.2
72.5°	1653.6	691.0	553.8	432.5	327.0	229.4	108.1	94.9	84.4	79.1
75°	1455.8	625.0	511.6	414.1	316.5	221.5	126.6	118.7	108.1	105.5
77.5°	1168.3	519.5	429.9	350.8	266.4	176.7	105.5	100.2	87.0	87.0
80°	767.4	387.7	324.4	269.0	203.1	124.0	79.1	71.2	63.3	60.7
82.5°	313.8	226.8	195.2	168.8	131.9	79.1	52.7	44.8	36.9	34.3
85°	153.0	113.4	97.6	79.1	65.9	44.8	34.3	29.0	21.1	21.1
87.5°	124.0	89.7	73.8	60.7	44.8	31.6	23.7	18.5	13.2	10.5
90°	113.4	79.1	63.3	50.1	36.9	26.4	15.8	13.2	7.9	5.3
92.5°	102.9	68.6	55.4	39.6	29.0	21.1	10.5	7.9	5.3	5.3
95°	84.4	52.7	42.2	31.6	23.7	15.8	10.5	5.3	2.6	2.6
97.5°	60.7	39.6	31.6	23.7	18.5	10.5	7.9	5.3	2.6	2.6
100°	42.2	26.4	23.7	18.5	13.2	7.9	5.3	2.6	2.6	2.6
102.5°	21.1	15.8	15.8	13.2	10.5	7.9	2.6	2.6	0.0	0.0
105°	13.2	10.5	10.5	7.9	5.3	5.3	2.6	2.6	0.0	0.0
107.5°	7.9	7.9	7.9	5.3	5.3	2.6	2.6	0.0	0.0	0.0
110°	7.9	5.3	5.3	5.3	2.6	2.6	2.6	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°	5.3	5.3	5.3	2.6	2.6	2.6	2.6	0.0	0.0	0.0
115°	5.3	5.3	2.6	2.6	2.6	2.6	0.0	0.0	0.0	0.0
117.5°	5.3	2.6	2.6	2.6	2.6	0.0	0.0	0.0	0.0	0.0
120°	5.3	2.6	2.6	2.6	2.6	0.0	0.0	0.0	0.0	0.0
122.5°	5.3	2.6	2.6	2.6	2.6	0.0	0.0	0.0	0.0	0.0
125°	2.6	2.6	2.6	2.6	2.6	0.0	0.0	0.0	0.0	0.0
127.5°	2.6	2.6	2.6	2.6	0.0	0.0	0.0	0.0	0.0	0.0
130°	2.6	2.6	2.6	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)