

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: P690915

Luminaire Tested: **CRTK2-C01-5TLD-U-T5R-8027-SR-CARETAKER-DS-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P690915
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-C01-5TLD-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: 4890 lumens
Efficiency: N/A
Efficacy: 81.5 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): 60
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



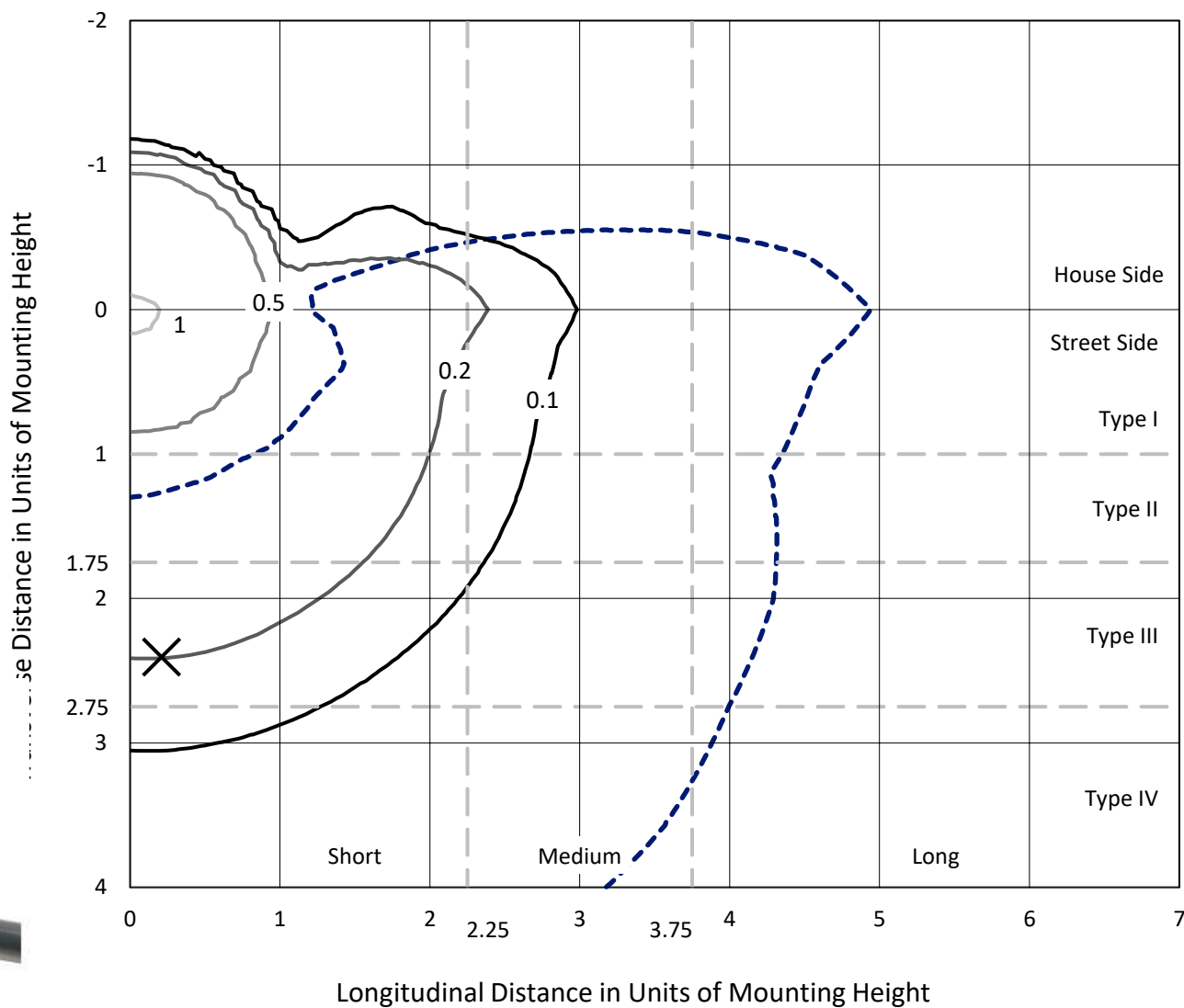
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

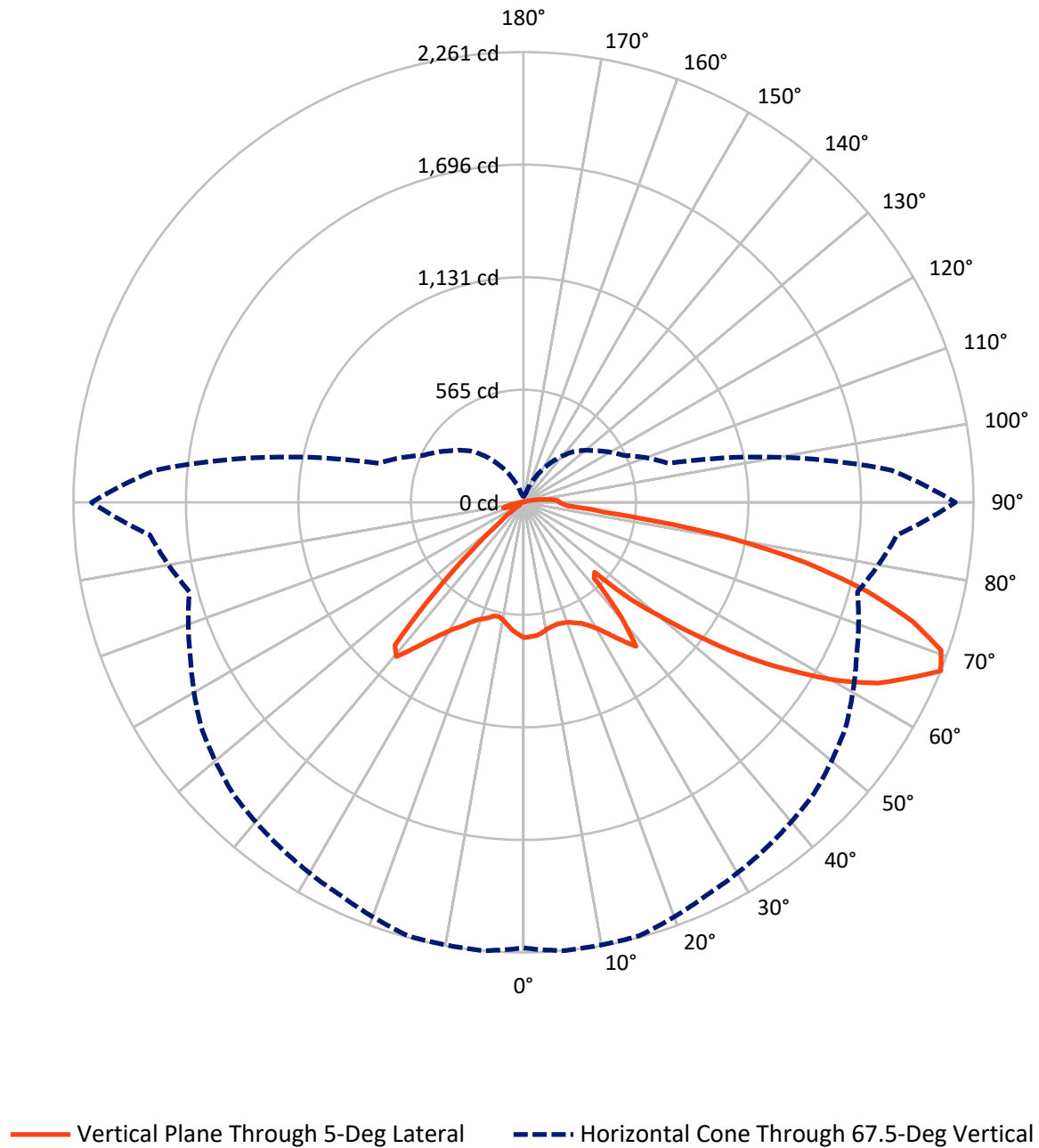


Based on 25 foot mounting height. Maximum calculated value = 1.1 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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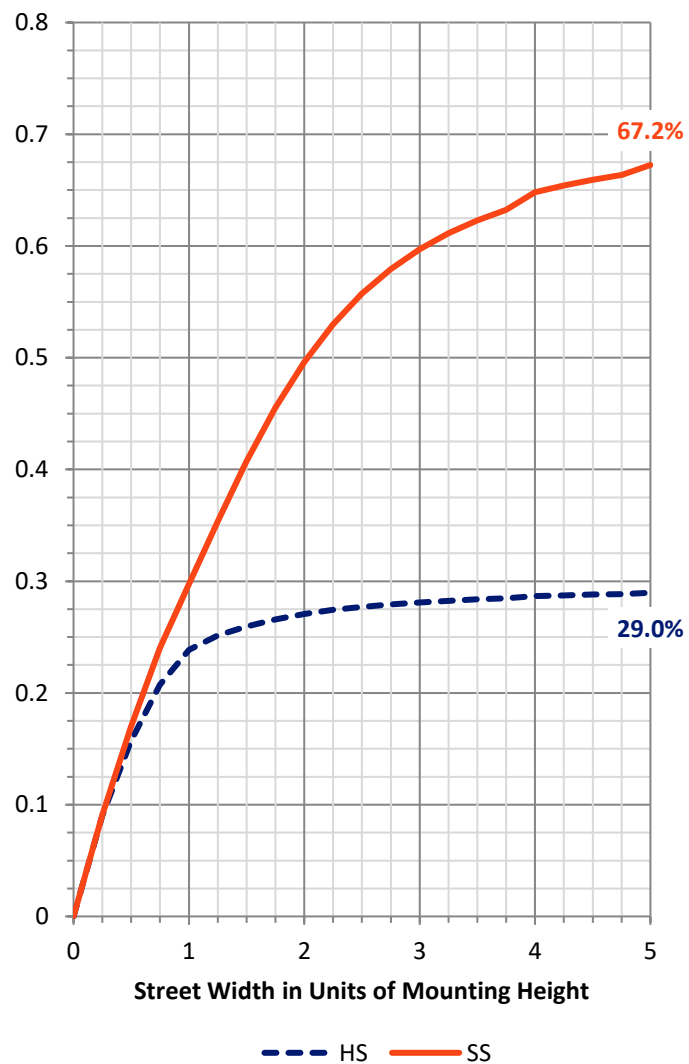
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1433.1	21.5	1454.7
	% Fixture	29.3	0.4	29.7
Street Side	Lumens	3351.1	84.2	3435.3
	% Fixture	68.5	1.7	70.3
Total	Lumens	4784.3	105.7	4890.0
	% Fixture	97.8	2.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	62.8	1.3
10°-20°	181.4	3.7
20°-30°	322.3	6.6
30°-40°	539.0	11.0
40°-50°	492.3	10.1
50°-60°	730.7	14.9
60°-70°	1198.7	24.5
70°-80°	1028.8	21.0
80°-90°	228.2	4.7
90°-100°	77.0	1.6
100°-110°	19.0	0.4
110°-120°	6.1	0.1
120°-130°	3.4	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°	4784.3	97.8
0°-180°	4890.0	100.0

Coefficient of Utilization



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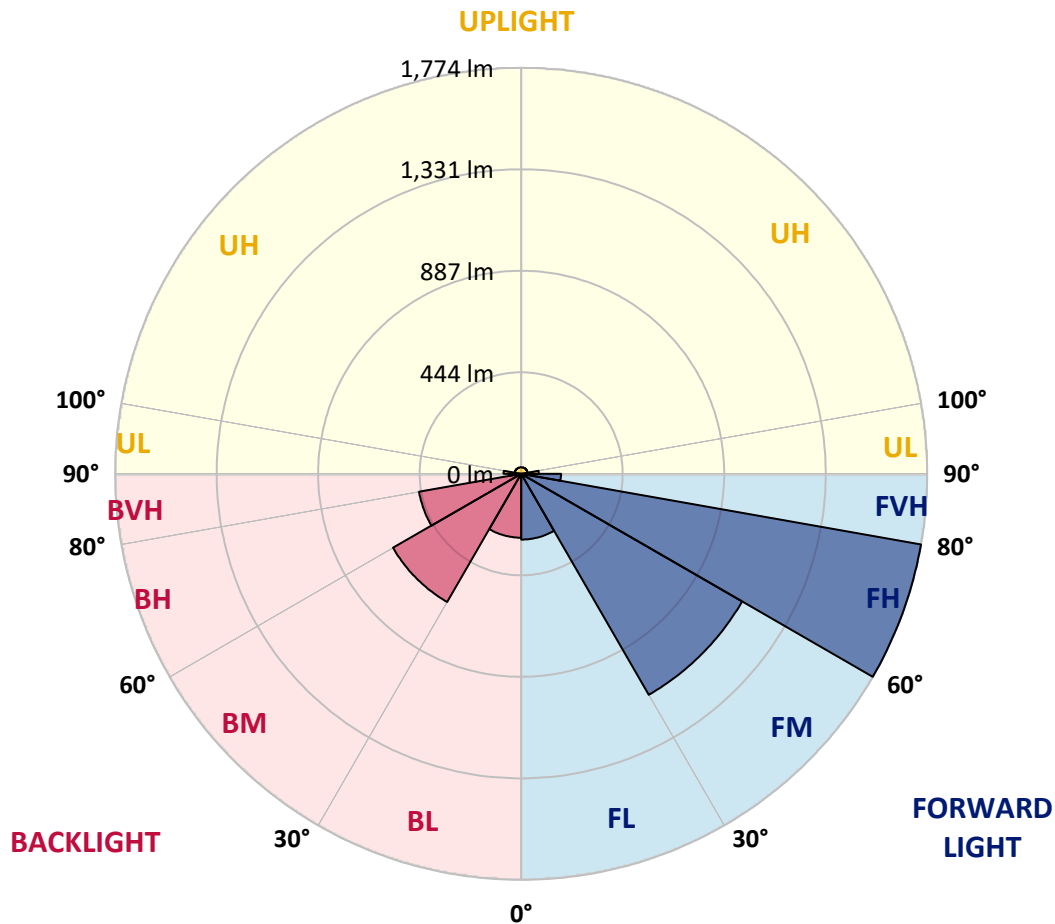
CATALOG NUMBER: CRTK2-C01-5TLD-U-T5R-8027-SR-CARETAKER-DS-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	287.4	5.9			
FM	(30°-60°)	1115.2	22.8			
FH	(60°-80°)	1774.5	36.3			G1/1800
FVH	(80°-90°)	174.0	3.6			G2/225
BL	(0°-30°)	279.2	5.7	B1/500		
BM	(30°-60°)	646.7	13.2	B1/1000		
BH	(60°-80°)	453.0	9.3	B1/500		G1/500
BVH	(80°-90°)	54.2	1.1			G1/100
UL	(90°-100°)	77.0	1.6		U3/500	
UH	(100°-180°)	28.7	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°	680.3	680.3	680.3	680.3	680.3	680.3	680.3	680.3	680.3	680.3	680.3
2.5°	675.3	675.3	675.3	677.8	680.3	677.8	675.3	672.8	670.2	672.8	672.8
5°	672.8	672.8	675.3	675.3	677.8	680.3	677.8	675.3	672.8	672.8	672.8
7.5°	660.1	662.6	662.6	665.2	667.7	672.8	672.8	667.7	667.7	667.7	667.7
10°	647.5	647.5	650.0	652.5	655.1	660.1	660.1	655.1	657.6	660.1	660.1
12.5°	639.9	639.9	642.4	647.5	650.0	652.5	655.1	655.1	657.6	655.1	657.6
15°	634.8	634.8	634.8	642.4	650.0	652.5	657.6	660.1	662.6	662.6	662.6
17.5°	637.4	637.4	637.4	647.5	652.5	660.1	665.2	667.7	667.7	670.2	670.2
20°	642.4	642.4	644.9	652.5	662.6	670.2	675.3	677.8	677.8	682.9	682.9
22.5°	652.5	657.6	655.1	662.6	670.2	680.3	687.9	693.0	693.0	698.1	698.1
25°	675.3	672.8	675.3	682.9	690.5	698.1	703.1	710.7	713.2	718.3	718.3
27.5°	700.6	700.6	700.6	708.2	713.2	720.8	725.9	730.9	736.0	743.6	746.1
30°	738.5	736.0	733.5	741.0	746.1	753.7	758.8	761.3	761.3	766.3	771.4
32.5°	789.1	789.1	789.1	794.2	796.7	804.3	806.8	809.3	806.8	814.4	816.9
35°	852.3	852.3	854.9	859.9	867.5	872.6	875.1	872.6	875.1	880.2	885.2
37.5°	915.6	918.1	925.7	933.3	938.3	948.4	956.0	956.0	958.6	973.7	973.7
40°	741.0	748.6	756.2	773.9	796.7	827.0	877.6	897.9	956.0	986.4	994.0
42.5°	503.3	521.0	541.2	564.0	581.7	584.2	632.3	660.1	718.3	773.9	789.1
45°	480.5	500.8	521.0	505.8	518.5	478.0	526.1	531.1	558.9	601.9	715.8
47.5°	705.6	733.5	761.3	723.3	730.9	642.4	660.1	639.9	576.7	647.5	837.2
50°	920.6	918.1	958.6	940.9	961.1	865.0	872.6	832.1	733.5	832.1	1102.7
52.5°	1128.0	1148.2	1191.2	1186.2	1201.4	1077.4	1054.7	1019.3	865.0	1016.7	1335.4
55°	1368.3	1383.5	1423.9	1411.3	1403.7	1279.8	1239.3	1203.9	1054.7	1251.9	1583.3
57.5°	1593.4	1601.0	1649.0	1606.0	1580.7	1487.2	1431.5	1373.3	1226.7	1466.9	1755.3
60°	1808.4	1818.5	1846.3	1788.1	1747.7	1674.3	1606.0	1542.8	1406.2	1659.1	1914.6
62.5°	2010.7	2000.6	2013.2	1939.9	1912.1	1846.3	1773.0	1694.6	1575.7	1810.9	2068.9
65°	2127.0	2127.0	2142.2	2048.6	2005.6	1965.2	1884.2	1793.2	1684.4	1884.2	2165.0
67.5°	2238.3	2261.1	2253.5	2177.6	2122.0	2066.3	1975.3	1846.3	1737.5	1884.2	2170.0
70°	2197.9	2225.7	2195.3	2134.6	2079.0	2013.2	1929.8	1803.3	1681.9	1793.2	2053.7
72.5°	2023.3	2043.6	2030.9	1977.8	1909.5	1866.5	1778.0	1681.9	1540.3	1636.4	1864.0
75°	1785.6	1780.5	1803.3	1742.6	1684.4	1644.0	1558.0	1497.3	1365.8	1436.6	1654.1
77.5°	1439.1	1441.6	1489.7	1421.4	1375.9	1348.1	1269.6	1219.1	1100.2	1163.4	1330.3
80°	966.1	994.0	1039.5	966.1	958.6	920.6	854.9	822.0	730.9	761.3	849.8
82.5°	402.1	414.8	430.0	407.2	399.6	387.0	359.1	349.0	313.6	328.8	328.8
85°	225.1	222.6	230.2	230.2	225.1	215.0	204.9	187.2	172.0	169.5	156.8
87.5°	189.7	192.2	197.3	197.3	187.2	179.6	166.9	154.3	141.6	134.0	121.4
90°	177.0	179.6	182.1	174.5	164.4	156.8	146.7	136.6	126.5	121.4	108.8
92.5°	169.5	169.5	169.5	159.3	149.2	141.6	134.0	123.9	116.3	111.3	101.2
95°	141.6	139.1	136.6	131.5	121.4	113.8	108.8	98.6	93.6	88.5	83.5
97.5°	106.2	103.7	101.2	98.6	88.5	83.5	80.9	75.9	70.8	63.2	60.7
100°	75.9	73.3	73.3	70.8	65.8	60.7	58.2	53.1	48.1	43.0	40.5
102.5°	50.6	48.1	48.1	45.5	43.0	40.5	35.4	32.9	27.8	25.3	22.8
105°	27.8	27.8	27.8	25.3	25.3	22.8	20.2	17.7	15.2	15.2	12.6
107.5°	20.2	20.2	20.2	20.2	17.7	17.7	15.2	12.6	12.6	10.1	10.1
110°	15.2	15.2	15.2	15.2	15.2	12.6	12.6	10.1	10.1	7.6	7.6

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	12.6	12.6	12.6	12.6	12.6	12.6	10.1	10.1	7.6	7.6	7.6
115°	12.6	12.6	12.6	12.6	10.1	10.1	7.6	7.6	7.6	7.6	5.1
117.5°	10.1	10.1	10.1	10.1	10.1	7.6	7.6	7.6	7.6	5.1	7.6
120°	10.1	10.1	10.1	10.1	7.6	7.6	7.6	5.1	5.1	5.1	5.1
122.5°	7.6	7.6	7.6	7.6	7.6	7.6	7.6	5.1	5.1	5.1	5.1
125°	7.6	7.6	7.6	7.6	7.6	5.1	5.1	5.1	5.1	5.1	5.1
127.5°	7.6	7.6	5.1	7.6	5.1	5.1	5.1	5.1	5.1	2.5	5.1
130°	7.6	7.6	5.1	5.1	5.1	5.1	5.1	5.1	2.5	2.5	2.5
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°	680.3	680.3	680.3	680.3	680.3	680.3	680.3	680.3	680.3	680.3
2.5°	675.3	675.3	677.8	675.3	675.3	670.2	667.7	665.2	665.2	665.2
5°	672.8	672.8	670.2	665.2	662.6	657.6	652.5	650.0	647.5	650.0
7.5°	667.7	662.6	657.6	647.5	639.9	637.4	627.2	624.7	624.7	624.7
10°	657.6	652.5	639.9	627.2	622.2	614.6	607.0	599.4	601.9	604.5
12.5°	655.1	642.4	632.3	619.6	612.1	599.4	596.9	589.3	586.8	586.8
15°	657.6	647.5	634.8	624.7	614.6	609.5	599.4	596.9	589.3	594.4
17.5°	667.7	652.5	642.4	632.3	622.2	617.1	609.5	604.5	607.0	607.0
20°	677.8	662.6	652.5	644.9	634.8	627.2	624.7	619.6	622.2	617.1
22.5°	693.0	677.8	670.2	660.1	652.5	647.5	642.4	644.9	639.9	642.4
25°	713.2	700.6	690.5	682.9	675.3	670.2	670.2	670.2	667.7	670.2
27.5°	741.0	728.4	720.8	715.8	708.2	703.1	698.1	700.6	703.1	700.6
30°	766.3	751.2	748.6	743.6	738.5	736.0	736.0	736.0	736.0	741.0
32.5°	806.8	791.6	786.6	786.6	781.5	779.0	776.5	781.5	784.0	781.5
35°	870.0	849.8	844.7	842.2	839.7	839.7	842.2	842.2	842.2	842.2
37.5°	948.4	920.6	915.6	913.0	913.0	913.0	910.5	913.0	920.6	923.2
40°	983.9	966.1	973.7	986.4	994.0	994.0	991.4	996.5	1004.1	1004.1
42.5°	796.7	758.8	786.6	837.2	870.0	910.5	918.1	943.4	963.6	963.6
45°	647.5	490.7	500.8	533.7	548.8	584.2	604.5	627.2	639.9	622.2
47.5°	728.4	316.1	260.5	270.6	232.7	280.7	313.6	349.0	356.6	364.2
50°	1143.2	326.3	220.0	159.3	106.2	141.6	149.2	169.5	164.4	166.9
52.5°	1388.5	374.3	220.0	141.6	88.5	93.6	86.0	96.1	101.2	111.3
55°	1558.0	450.2	285.8	179.6	103.7	63.2	43.0	32.9	30.4	30.4
57.5°	1638.9	551.4	371.8	255.4	161.9	88.5	37.9	27.8	25.3	22.8
60°	1714.8	660.1	470.4	349.0	255.4	156.8	70.8	27.8	22.8	22.8
62.5°	1783.1	768.9	569.1	452.7	359.1	245.3	131.5	48.1	25.3	25.3
65°	1838.7	791.6	576.7	490.7	387.0	288.3	172.0	58.2	27.8	27.8
67.5°	1853.9	753.7	556.4	450.2	361.7	245.3	134.0	48.1	32.9	30.4
70°	1752.7	715.8	558.9	427.4	326.3	217.5	88.5	55.6	43.0	40.5
72.5°	1585.8	662.6	531.1	414.8	313.6	220.0	103.7	91.1	80.9	75.9
75°	1396.1	599.4	490.7	397.1	303.5	212.5	121.4	113.8	103.7	101.2
77.5°	1120.4	498.2	412.3	336.4	255.4	169.5	101.2	96.1	83.5	83.5
80°	736.0	371.8	311.1	258.0	194.7	118.9	75.9	68.3	60.7	58.2
82.5°	301.0	217.5	187.2	161.9	126.5	75.9	50.6	43.0	35.4	32.9
85°	146.7	108.8	93.6	75.9	63.2	43.0	32.9	27.8	20.2	20.2
87.5°	118.9	86.0	70.8	58.2	43.0	30.4	22.8	17.7	12.6	10.1
90°	108.8	75.9	60.7	48.1	35.4	25.3	15.2	12.6	7.6	5.1
92.5°	98.6	65.8	53.1	37.9	27.8	20.2	10.1	7.6	5.1	5.1
95°	80.9	50.6	40.5	30.4	22.8	15.2	10.1	5.1	2.5	2.5
97.5°	58.2	37.9	30.4	22.8	17.7	10.1	7.6	5.1	2.5	2.5
100°	40.5	25.3	22.8	17.7	12.6	7.6	5.1	2.5	2.5	2.5
102.5°	20.2	15.2	15.2	12.6	10.1	7.6	2.5	2.5	0.0	0.0
105°	12.6	10.1	10.1	7.6	5.1	5.1	2.5	2.5	0.0	0.0
107.5°	7.6	7.6	7.6	5.1	5.1	2.5	2.5	0.0	0.0	0.0
110°	7.6	5.1	5.1	5.1	2.5	2.5	2.5	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°	5.1	5.1	5.1	2.5	2.5	2.5	2.5	0.0	0.0	0.0
115°	5.1	5.1	2.5	2.5	2.5	2.5	0.0	0.0	0.0	0.0
117.5°	5.1	2.5	2.5	2.5	2.5	0.0	0.0	0.0	0.0	0.0
120°	5.1	2.5	2.5	2.5	2.5	0.0	0.0	0.0	0.0	0.0
122.5°	5.1	2.5	2.5	2.5	2.5	0.0	0.0	0.0	0.0	0.0
125°	2.5	2.5	2.5	2.5	2.5	0.0	0.0	0.0	0.0	0.0
127.5°	2.5	2.5	2.5	2.5	0.0	0.0	0.0	0.0	0.0	0.0
130°	2.5	2.5	2.5	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)