

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: P691253

Luminaire Tested: **CRTK2-C015-5TLD-U-T3-8027-RMARROA5-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691253
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-16)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C015-5TLD-U-T3-8027-RMARROA5-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 2700K LED WITH TYPE III OPTIC AND NEMA REFRACTOR WITH HOUSE
SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3278 lumens
Efficiency: N/A
Efficacy: 100.2 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.54')
IES Classification: Type I - Short
BUG Rating: B2 - U3 - 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



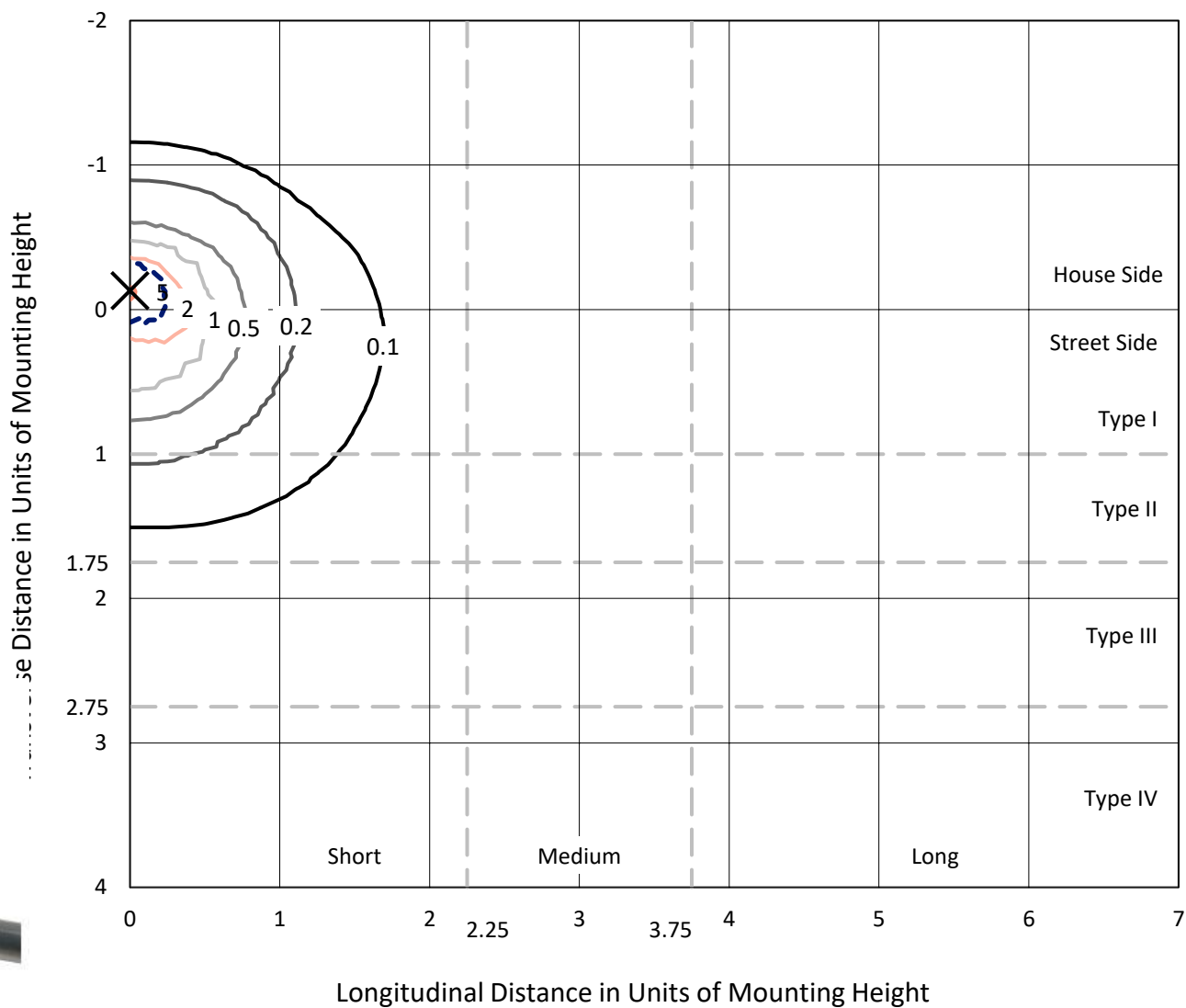
REPORT NUMBER: P691253

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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

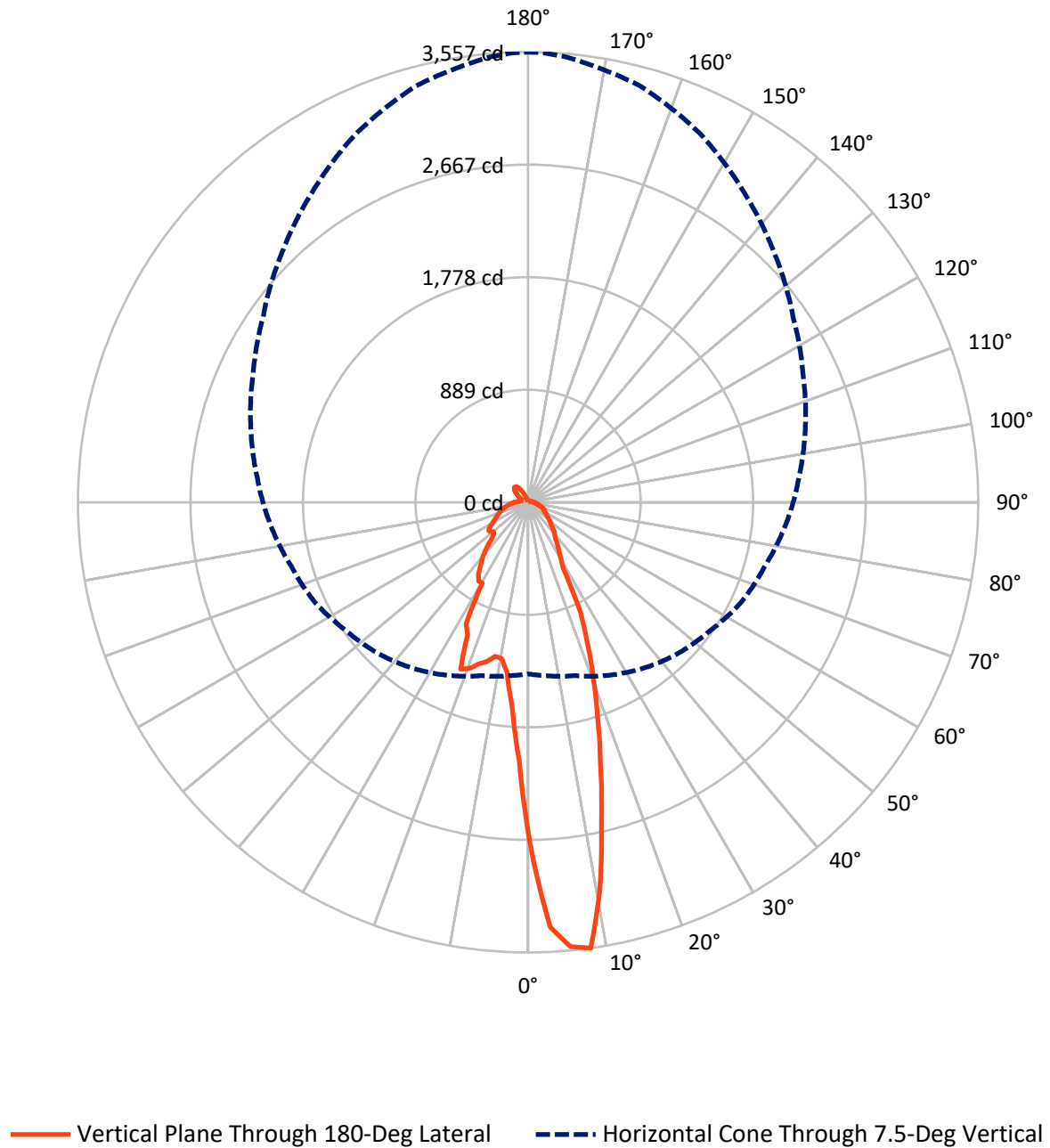


Based on 25 foot mounting height. Maximum calculated value = 5.6 fc
 Type I - Short - N/A

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Luminous Intensity Polar Plot



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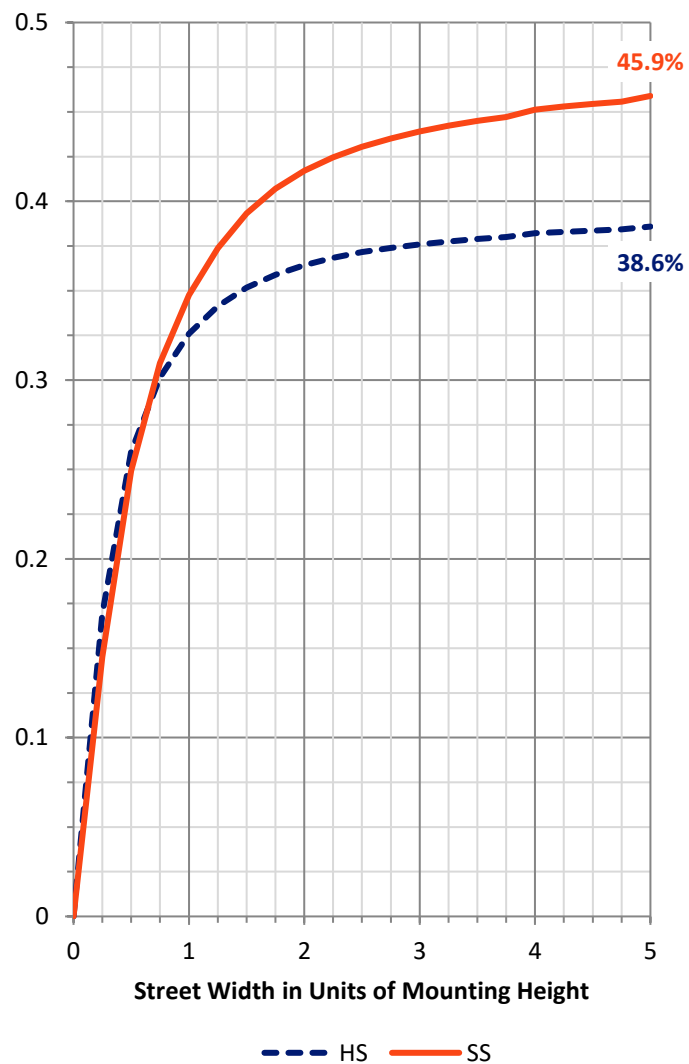
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1297.8	135.3	1433.2
	% Fixture	39.6	4.1	43.7
Street Side	Lumens	1547.6	297.2	1844.9
	% Fixture	47.2	9.1	56.3
Total	Lumens	2845.5	432.6	3278.0
	% Fixture	86.8	13.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	219.6	6.7
10°-20°	469.8	14.3
20°-30°	518.8	15.8
30°-40°	376.3	11.5
40°-50°	317.0	9.7
50°-60°	323.6	9.9
60°-70°	275.8	8.4
70°-80°	205.6	6.3
80°-90°	138.8	4.2
90°-100°	83.0	2.5
100°-110°	47.7	1.5
110°-120°	44.6	1.4
120°-130°	65.0	2.0
130°-140°	88.3	2.7
140°-150°	71.9	2.2
150°-160°	28.7	0.9
160°-170°	3.5	0.1
170°-180°	0.0	0.0
0°-90°	2845.5	86.8
0°-180°	3278.0	100.0

Coefficient of Utilization



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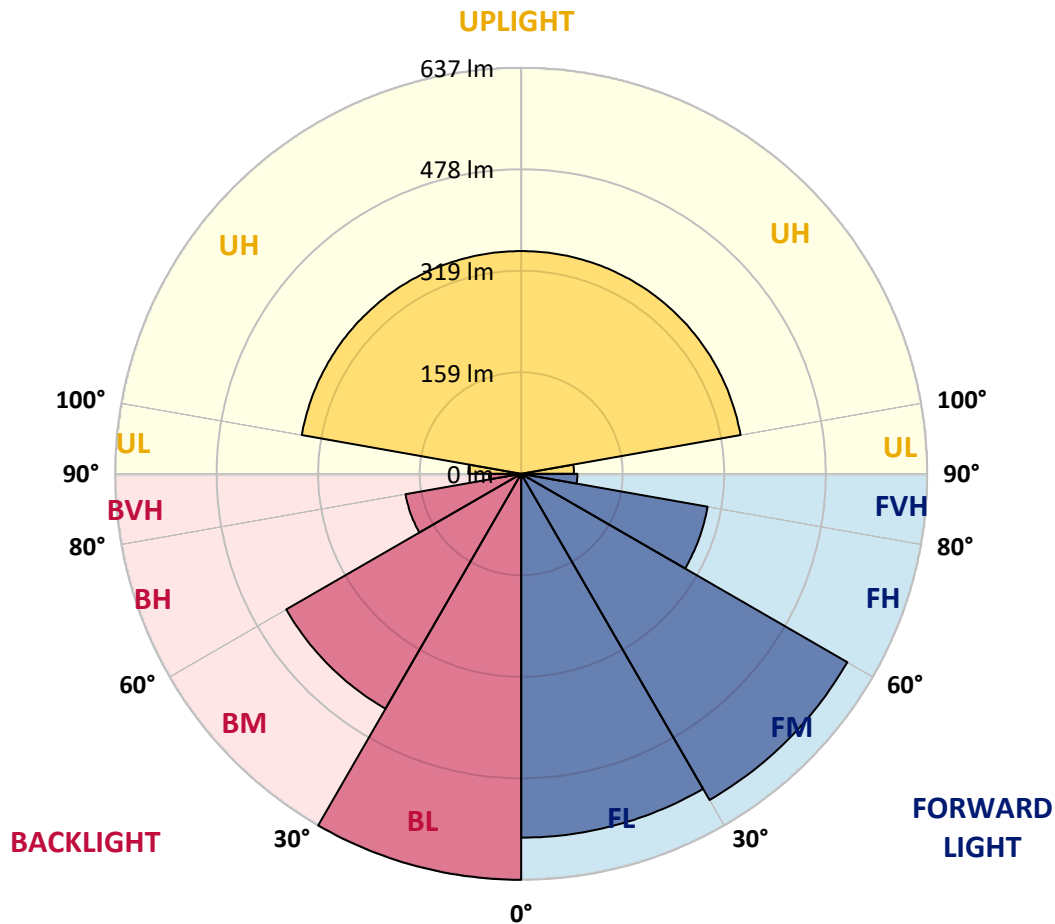
CATALOG NUMBER: CRTK2-C015-5TLD-U-T3-8027-RMARROA5-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	571.0	17.4			
FM	(30°-60°)	591.2	18.0			
FH	(60°-80°)	297.1	9.1			G0/660
FVH	(80°-90°)	88.3	2.7			G1/100
BL	(0°-30°)	637.2	19.4	B2/1000		
BM	(30°-60°)	425.8	13.0	B1/1000		
BH	(60°-80°)	184.3	5.6	B1/500		G1/500
BVH	(80°-90°)	50.5	1.5			G1/100
UL	(90°-100°)	83.0	2.5		U3/500	
UH	(100°-180°)	349.6	10.7		U3/500	

BUG Rating: B2-U3-G1

Type I Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2741.0	2741.0	2741.0	2741.0	2741.0	2741.0	2741.0	2741.0	2741.0	2741.0	2741.0
2.5°	2034.3	2081.5	2085.8	2137.3	2175.9	2211.7	2237.5	2311.9	2387.7	2459.2	2500.7
5°	1615.2	1638.0	1679.5	1735.3	1806.9	1862.6	1942.8	2047.2	2147.3	2273.2	2334.7
7.5°	1356.2	1373.4	1417.7	1507.9	1598.0	1683.8	1761.1	1861.2	1938.5	2042.9	2094.4
10°	1253.2	1263.2	1300.4	1363.4	1449.2	1520.7	1588.0	1663.8	1732.5	1828.3	1865.5
12.5°	1243.2	1247.5	1277.5	1321.9	1371.9	1430.6	1486.4	1550.8	1623.7	1699.6	1728.2
15°	1297.6	1294.7	1304.7	1330.5	1359.1	1404.9	1456.4	1515.0	1585.1	1640.9	1663.8
17.5°	1336.2	1334.8	1353.4	1364.8	1392.0	1419.2	1470.7	1516.4	1585.1	1629.5	1642.3
20°	1392.0	1394.8	1400.6	1422.0	1433.5	1452.1	1483.5	1510.7	1569.4	1595.1	1592.3
22.5°	1422.0	1420.6	1444.9	1495.0	1507.9	1517.9	1523.6	1535.0	1567.9	1566.5	1545.1
25°	1153.1	1155.9	1161.7	1204.6	1258.9	1347.6	1420.6	1535.0	1596.6	1573.7	1527.9
27.5°	1077.2	1068.7	1038.6	1014.3	941.3	892.7	846.9	826.9	836.9	854.1	901.3
30°	733.9	735.3	738.2	742.5	749.6	768.2	781.1	782.5	792.6	821.2	811.2
32.5°	735.3	736.8	732.5	736.8	733.9	741.1	739.6	733.9	742.5	768.2	758.2
35°	691.0	688.1	691.0	692.4	676.7	671.0	669.5	665.2	671.0	683.8	675.2
37.5°	622.3	620.9	633.8	640.9	628.0	628.0	625.2	619.5	623.7	635.2	623.7
40°	562.2	563.7	582.3	593.7	589.4	593.7	598.0	596.6	606.6	610.9	596.6
42.5°	496.4	493.6	512.2	520.7	512.2	515.0	513.6	515.0	535.0	543.6	533.6
45°	414.9	419.2	427.8	439.2	437.8	442.1	440.6	443.5	456.4	460.7	453.5
47.5°	369.1	372.0	382.0	394.8	402.0	409.2	409.2	410.6	419.2	420.6	413.4
50°	359.1	361.9	374.8	389.1	400.6	409.2	413.4	412.0	416.3	413.4	403.4
52.5°	376.2	376.2	396.3	413.4	427.8	443.5	449.2	443.5	443.5	432.0	416.3
55°	383.4	384.8	409.2	439.2	466.4	495.0	513.6	512.2	510.7	492.1	463.5
57.5°	360.5	364.8	389.1	423.5	460.7	506.4	533.6	537.9	537.9	513.6	482.1
60°	327.6	330.5	349.1	377.7	414.9	449.2	477.8	480.7	489.3	476.4	447.8
62.5°	300.4	303.3	319.0	340.5	367.7	389.1	397.7	397.7	402.0	397.7	377.7
65°	280.4	281.8	294.7	313.3	331.9	349.1	357.7	354.8	360.5	354.8	339.1
67.5°	261.8	261.8	273.2	287.6	304.7	324.7	330.5	333.3	339.1	331.9	317.6
70°	243.2	244.6	256.1	267.5	283.3	297.6	303.3	304.7	311.9	303.3	293.3
72.5°	227.5	227.5	237.5	248.9	260.4	274.7	279.0	281.8	286.1	277.5	269.0
75°	208.9	210.3	218.9	228.9	238.9	253.2	257.5	258.9	263.2	253.2	244.6
77.5°	191.7	193.1	200.3	208.9	218.9	230.3	234.6	237.5	238.9	230.3	221.7
80°	174.5	176.0	181.7	190.3	198.9	210.3	213.2	214.6	217.5	207.4	201.7
82.5°	158.8	158.8	163.1	170.2	178.8	188.8	193.1	194.6	196.0	187.4	181.7
85°	140.2	140.2	144.5	151.6	158.8	168.8	173.1	174.5	174.5	167.4	161.7
87.5°	124.5	124.5	127.3	133.0	138.8	148.8	153.1	155.9	154.5	148.8	143.1
90°	108.7	108.7	111.6	115.9	121.6	130.2	134.5	135.9	135.9	128.8	124.5
92.5°	94.4	94.4	97.3	101.6	105.9	113.0	117.3	120.2	120.2	114.4	110.2
95°	81.5	81.5	83.0	87.3	91.6	97.3	100.1	103.0	103.0	100.1	95.9
97.5°	70.1	70.1	71.5	74.4	77.3	81.5	84.4	87.3	87.3	85.8	83.0
100°	61.5	61.5	61.5	62.9	65.8	67.2	70.1	73.0	73.0	71.5	70.1
102.5°	55.8	55.8	55.8	55.8	55.8	57.2	57.2	58.7	58.7	58.7	57.2
105°	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	51.5	50.1	48.6
107.5°	52.9	51.5	51.5	51.5	51.5	50.1	50.1	50.1	48.6	47.2	45.8
110°	52.9	52.9	52.9	52.9	51.5	50.1	50.1	48.6	47.2	45.8	44.3

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	55.8	55.8	55.8	54.4	52.9	52.9	51.5	50.1	48.6	45.8	44.3
115°	60.1	60.1	60.1	60.1	58.7	55.8	54.4	52.9	50.1	48.6	47.2
117.5°	67.2	67.2	67.2	67.2	64.4	62.9	60.1	58.7	55.8	52.9	51.5
120°	75.8	75.8	77.3	77.3	75.8	73.0	68.7	67.2	64.4	60.1	57.2
122.5°	88.7	87.3	90.1	90.1	90.1	87.3	81.5	78.7	75.8	70.1	67.2
125°	101.6	101.6	104.4	107.3	108.7	104.4	98.7	94.4	90.1	83.0	78.7
127.5°	115.9	115.9	121.6	127.3	130.2	125.9	118.7	114.4	108.7	98.7	93.0
130°	130.2	130.2	138.8	147.4	151.6	148.8	141.6	135.9	128.8	115.9	108.7
132.5°	143.1	143.1	153.1	164.5	170.2	168.8	161.7	155.9	150.2	134.5	124.5
135°	153.1	154.5	167.4	180.3	187.4	188.8	181.7	174.5	167.4	150.2	138.8
137.5°	158.8	161.7	174.5	190.3	197.4	201.7	197.4	190.3	181.7	163.1	150.2
140°	160.2	161.7	176.0	191.7	198.9	204.6	204.6	196.0	188.8	170.2	155.9
142.5°	155.9	157.4	171.7	186.0	193.1	200.3	201.7	194.6	187.4	170.2	155.9
145°	145.9	148.8	161.7	173.1	183.1	190.3	193.1	188.8	180.3	164.5	151.6
147.5°	133.0	134.5	145.9	155.9	166.0	174.5	178.8	174.5	167.4	153.1	141.6
150°	113.0	114.4	123.0	131.6	143.1	151.6	157.4	154.5	148.8	137.3	125.9
152.5°	91.6	91.6	98.7	105.9	115.9	124.5	130.2	128.8	124.5	114.4	105.9
155°	70.1	70.1	74.4	80.1	88.7	94.4	100.1	100.1	97.3	90.1	83.0
157.5°	50.1	50.1	54.4	58.7	64.4	70.1	74.4	74.4	73.0	67.2	62.9
160°	32.9	32.9	35.8	38.6	44.3	47.2	51.5	51.5	50.1	47.2	44.3
162.5°	17.2	17.2	20.0	21.5	25.8	28.6	31.5	32.9	32.9	30.0	28.6
165°	5.7	5.7	5.7	7.2	10.0	12.9	14.3	15.7	15.7	14.3	14.3
167.5°	1.4	1.4	1.4	1.4	1.4	1.4	2.9	4.3	4.3	4.3	4.3
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°	178°	180°
0°	2741.0	2741.0	2741.0	2741.0	2741.0	2741.0	2741.0	2741.0	2741.0	2741.0	2741.0
2.5°	2545.0	2675.2	2786.8	2904.1	3034.3	3144.5	3256.1	3317.6	3370.5	3360.5	3360.5
5°	2394.8	2525.0	2660.9	2804.0	2979.9	3160.2	3331.9	3454.9	3519.3	3529.3	3527.9
7.5°	2145.9	2267.5	2396.3	2555.1	2761.1	2981.4	3214.6	3407.7	3529.3	3552.2	3556.5
10°	1899.8	1991.4	2100.1	2208.9	2393.4	2595.1	2804.0	2958.5	3077.2	3094.4	3114.4
12.5°	1752.5	1802.6	1872.7	1948.5	2068.7	2216.0	2387.7	2476.4	2552.2	2560.8	2579.4
15°	1676.7	1701.0	1718.2	1745.3	1816.9	1908.4	1987.1	2074.4	2105.8	2127.3	2137.3
17.5°	1646.6	1643.8	1626.6	1626.6	1632.3	1666.7	1716.7	1746.8	1766.8	1776.8	1779.7
20°	1585.1	1559.4	1525.0	1479.2	1454.9	1443.5	1456.4	1463.5	1457.8	1450.6	1463.5
22.5°	1520.7	1466.4	1404.9	1351.9	1289.0	1250.3	1213.2	1200.3	1184.5	1194.6	1194.6
25°	1500.7	1404.9	1306.1	1217.4	1123.0	1058.6	990.0	965.7	941.3	961.4	961.4
27.5°	887.0	887.0	831.2	756.8	675.2	640.9	613.7	598.0	588.0	592.3	592.3
30°	794.0	756.8	722.5	675.2	612.3	570.8	535.0	513.6	503.6	500.7	503.6
32.5°	736.8	708.1	666.7	619.5	563.7	517.9	477.8	456.4	440.6	443.5	444.9
35°	659.5	629.5	593.7	549.4	502.1	459.2	423.5	402.0	387.7	387.7	389.1
37.5°	610.9	580.8	546.5	506.4	460.7	419.2	386.3	360.5	347.6	346.2	346.2
40°	580.8	550.8	519.3	479.3	436.3	393.4	360.5	337.6	321.9	321.9	323.3
42.5°	526.5	497.9	470.7	434.9	396.3	359.1	327.6	307.6	291.8	289.0	291.8
45°	443.5	427.8	406.3	382.0	349.1	319.0	290.4	273.2	260.4	260.4	258.9
47.5°	406.3	390.6	367.7	343.3	316.2	286.1	263.2	247.5	236.0	236.0	236.0
50°	392.0	374.8	346.2	319.0	287.6	261.8	241.8	226.0	217.5	217.5	216.0
52.5°	399.1	372.0	334.8	296.1	266.1	240.3	220.3	204.6	197.4	197.4	196.0
55°	437.8	389.1	334.8	287.6	251.8	223.2	203.1	186.0	178.8	178.8	178.8
57.5°	453.5	399.1	331.9	279.0	238.9	208.9	184.5	168.8	161.7	161.7	160.2
60°	424.9	379.1	317.6	267.5	228.9	198.9	176.0	160.2	151.6	151.6	150.2
62.5°	361.9	329.0	281.8	244.6	214.6	187.4	167.4	151.6	144.5	144.5	144.5
65°	324.7	296.1	258.9	226.0	198.9	176.0	157.4	144.5	137.3	137.3	137.3
67.5°	303.3	279.0	241.8	210.3	183.1	161.7	144.5	133.0	127.3	125.9	127.3
70°	280.4	254.6	220.3	190.3	166.0	145.9	130.2	118.7	113.0	113.0	113.0
72.5°	256.1	231.8	198.9	171.7	147.4	131.6	115.9	105.9	100.1	100.1	98.7
75°	233.2	208.9	177.4	151.6	131.6	115.9	103.0	94.4	88.7	88.7	88.7
77.5°	211.7	188.8	158.8	135.9	117.3	104.4	91.6	84.4	80.1	80.1	78.7
80°	191.7	170.2	141.6	121.6	104.4	93.0	81.5	75.8	71.5	71.5	71.5
82.5°	171.7	151.6	125.9	107.3	93.0	81.5	73.0	67.2	64.4	62.9	64.4
85°	153.1	134.5	111.6	94.4	81.5	71.5	64.4	58.7	55.8	55.8	55.8
87.5°	135.9	118.7	98.7	83.0	71.5	62.9	55.8	51.5	50.1	48.6	48.6
90°	117.3	101.6	84.4	71.5	61.5	54.4	47.2	44.3	41.5	41.5	41.5
92.5°	104.4	91.6	75.8	64.4	55.8	50.1	44.3	41.5	38.6	38.6	38.6
95°	91.6	80.1	67.2	58.7	51.5	45.8	41.5	38.6	37.2	37.2	37.2
97.5°	78.7	70.1	60.1	52.9	47.2	42.9	38.6	35.8	34.3	34.3	34.3
100°	65.8	60.1	52.9	47.2	42.9	38.6	34.3	32.9	31.5	31.5	31.5
102.5°	54.4	50.1	44.3	40.1	35.8	32.9	30.0	28.6	27.2	27.2	27.2
105°	47.2	44.3	40.1	35.8	32.9	30.0	27.2	24.3	24.3	24.3	24.3
107.5°	44.3	40.1	37.2	34.3	31.5	27.2	25.8	22.9	21.5	21.5	21.5
110°	42.9	40.1	37.2	32.9	30.0	27.2	24.3	21.5	20.0	20.0	20.0

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CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	178°	180°
112.5°	42.9	40.1	37.2	34.3	31.5	27.2	25.8	20.0	18.6	18.6	18.6
115°	45.8	42.9	38.6	35.8	31.5	28.6	25.8	20.0	18.6	18.6	18.6
117.5°	48.6	45.8	41.5	38.6	34.3	30.0	25.8	20.0	18.6	18.6	18.6
120°	55.8	51.5	45.8	41.5	37.2	31.5	27.2	20.0	17.2	18.6	18.6
122.5°	62.9	58.7	51.5	45.8	40.1	34.3	27.2	20.0	17.2	18.6	18.6
125°	74.4	67.2	58.7	51.5	42.9	35.8	28.6	20.0	15.7	17.2	18.6
127.5°	87.3	78.7	67.2	57.2	47.2	37.2	28.6	20.0	15.7	17.2	17.2
130°	101.6	90.1	75.8	61.5	50.1	38.6	28.6	20.0	15.7	17.2	17.2
132.5°	115.9	100.1	83.0	67.2	52.9	40.1	28.6	18.6	15.7	15.7	15.7
135°	127.3	108.7	88.7	70.1	54.4	40.1	27.2	18.6	14.3	14.3	14.3
137.5°	137.3	115.9	93.0	71.5	54.4	38.6	25.8	17.2	12.9	12.9	12.9
140°	143.1	118.7	94.4	70.1	51.5	37.2	24.3	15.7	11.4	11.4	11.4
142.5°	143.1	117.3	91.6	68.7	48.6	34.3	21.5	12.9	10.0	10.0	10.0
145°	137.3	111.6	87.3	64.4	44.3	30.0	18.6	11.4	8.6	8.6	8.6
147.5°	128.8	103.0	80.1	58.7	40.1	25.8	15.7	10.0	7.2	7.2	7.2
150°	114.4	91.6	70.1	50.1	34.3	21.5	12.9	8.6	5.7	5.7	5.7
152.5°	95.9	75.8	58.7	41.5	28.6	17.2	11.4	5.7	4.3	4.3	4.3
155°	75.8	60.1	45.8	32.9	21.5	12.9	8.6	5.7	2.9	2.9	2.9
157.5°	57.2	44.3	34.3	24.3	15.7	10.0	5.7	4.3	2.9	2.9	2.9
160°	40.1	31.5	22.9	15.7	10.0	7.2	4.3	2.9	1.4	1.4	1.4
162.5°	25.8	20.0	14.3	10.0	5.7	4.3	2.9	1.4	1.4	1.4	0.0
165°	12.9	10.0	7.2	4.3	2.9	1.4	1.4	1.4	0.0	0.0	0.0
167.5°	2.9	2.9	2.9	1.4	1.4	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

(END OF REPORT)