

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: P691466

Luminaire Tested: **CRTK2-C016-5TLD-U-T5R-8027-RMARROA5**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691466
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-23)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C016-5TLD-U-T5R-8027-RMARROA5
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 2700K LED WITH TYPE V ROUND OPTIC AND NEMA REFRACTOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4801 lumens
Efficiency: N/A
Efficacy: 112.2 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.54')
IES Classification: Type V - Short
BUG Rating: B2 - U3 - G1

Input Watts (W): 42.8
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



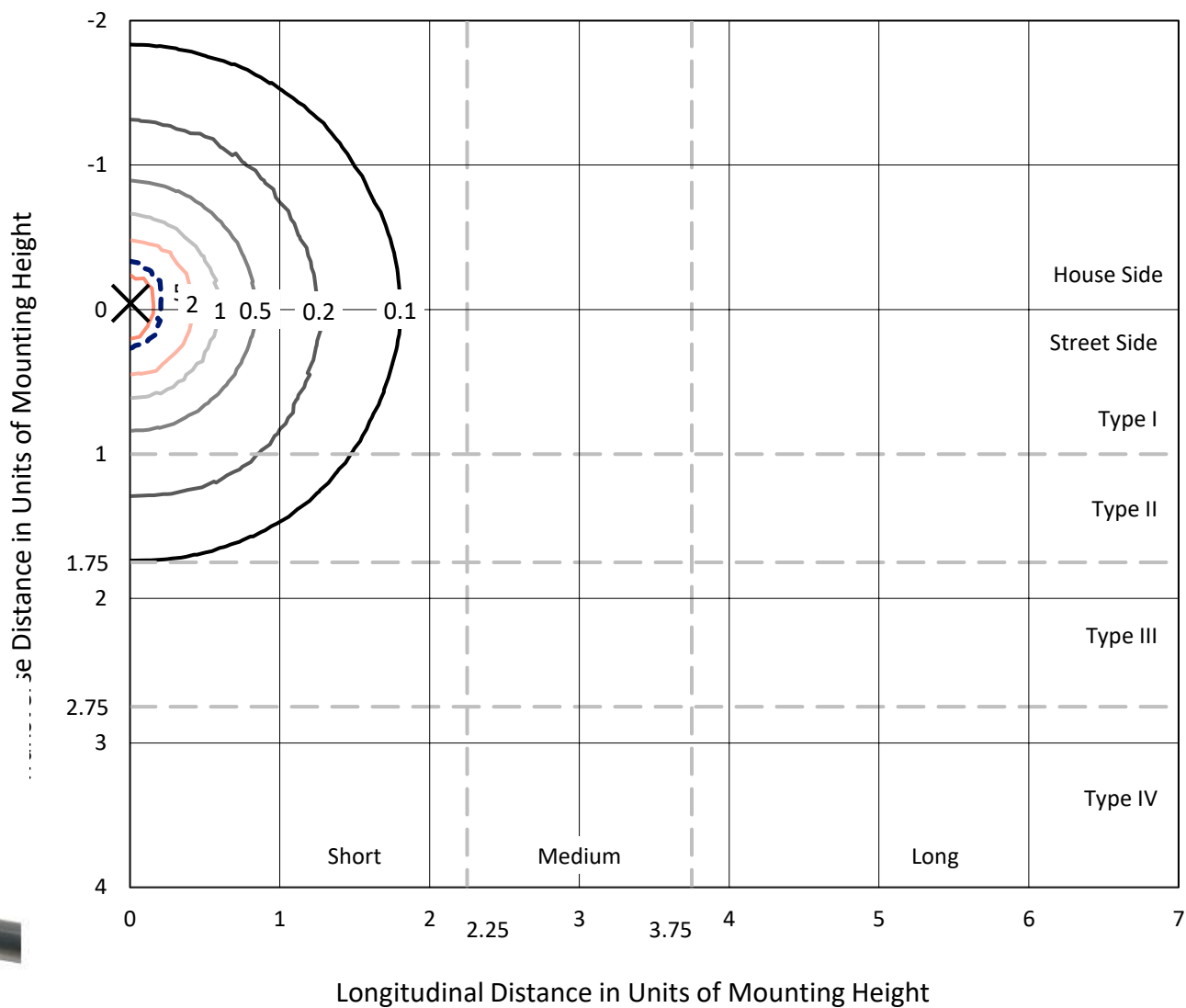
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

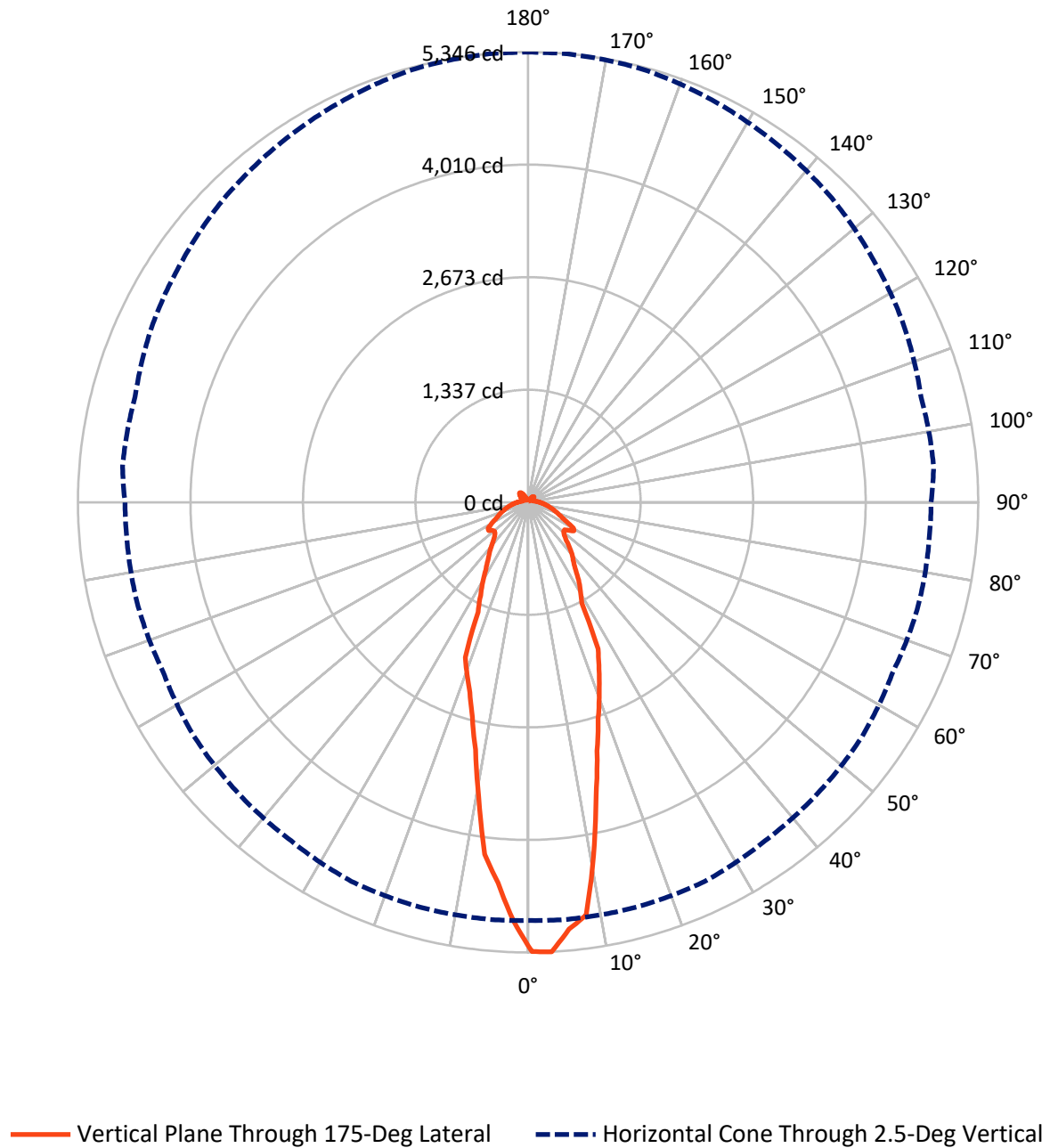


Based on 25 foot mounting height. Maximum calculated value = 8.5 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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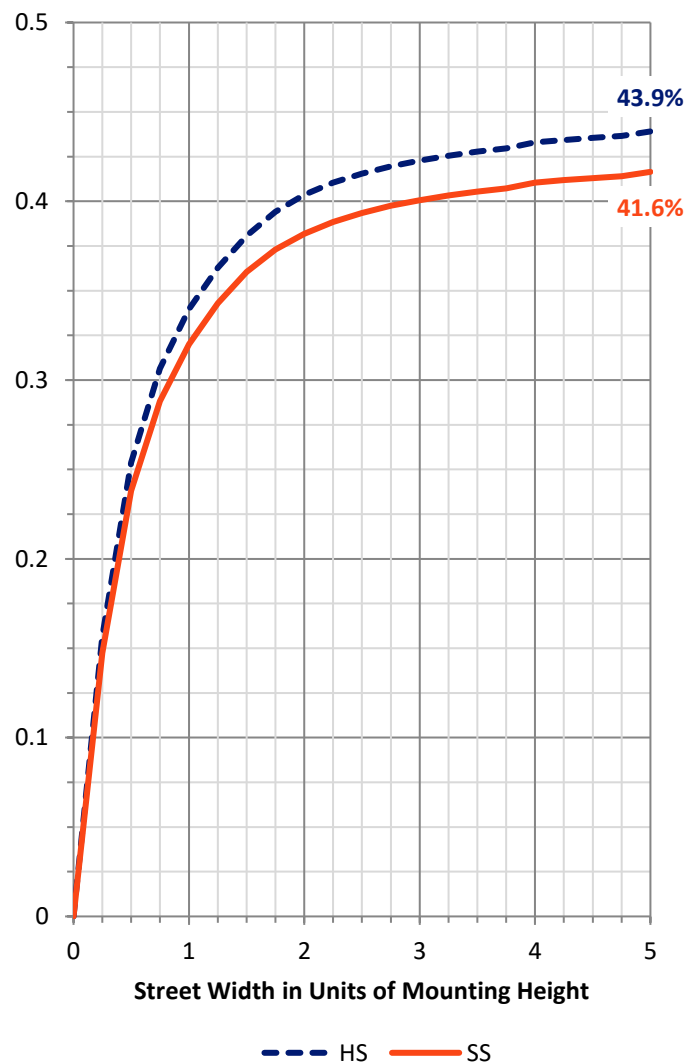
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2172.9	287.0	2459.9
	% Fixture	45.3	6.0	51.2
Street Side	Lumens	2046.5	294.6	2341.1
	% Fixture	42.6	6.1	48.8
Total	Lumens	4219.4	581.6	4801.0
	% Fixture	87.9	12.1	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	397.2	8.3
10°-20°	697.1	14.5
20°-30°	691.3	14.4
30°-40°	532.9	11.1
40°-50°	456.9	9.5
50°-60°	511.0	10.6
60°-70°	437.8	9.1
70°-80°	301.3	6.3
80°-90°	193.9	4.0
90°-100°	116.2	2.4
100°-110°	69.1	1.4
110°-120°	64.0	1.3
120°-130°	91.3	1.9
130°-140°	118.0	2.5
140°-150°	87.4	1.8
150°-160°	31.9	0.7
160°-170°	3.7	0.1
170°-180°	0.0	0.0
0°-90°	4219.4	87.9
0°-180°	4801.0	100.0

Coefficient of Utilization



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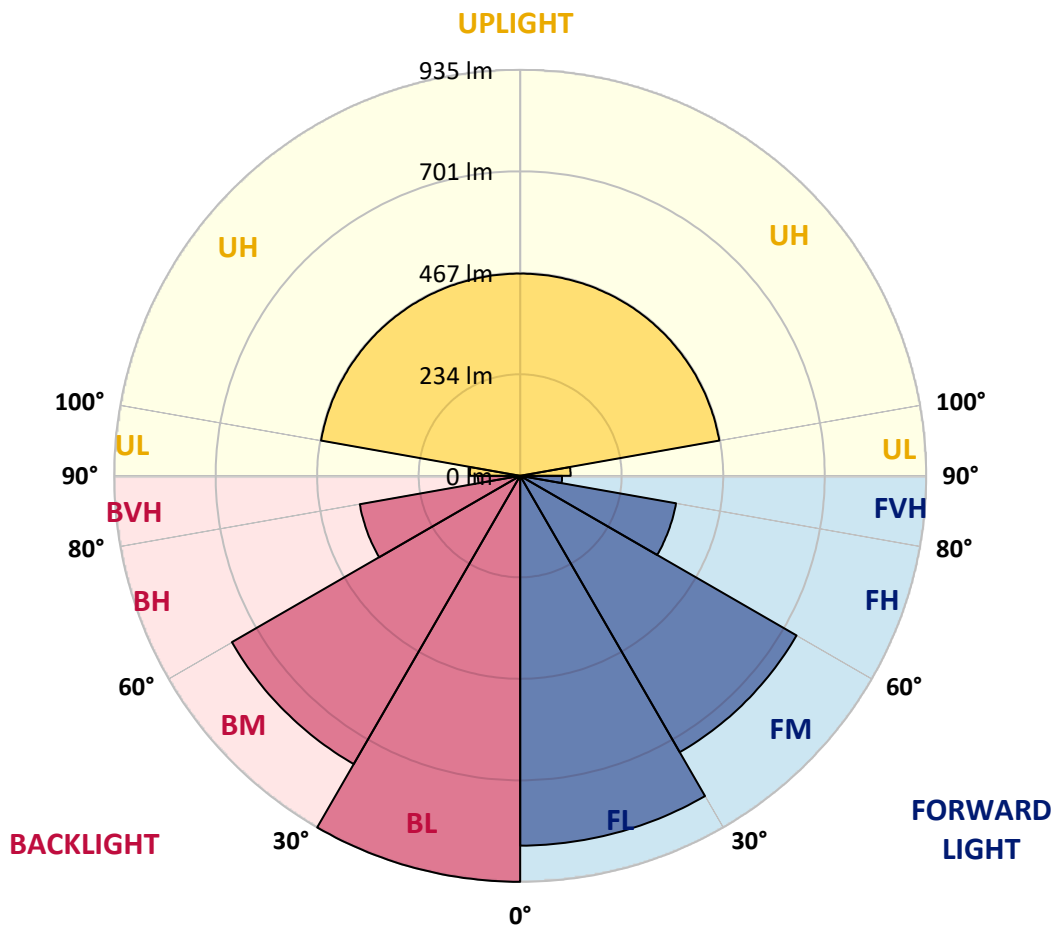
CATALOG NUMBER: CRTK2-C016-5TLD-U-T5R-8027-RMARROA5

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	851.1	17.7			
FM	(30°-60°)	734.5	15.3			
FH	(60°-80°)	364.2	7.6			G0/660
FVH	(80°-90°)	96.7	2.0			G1/100
BL	(0°-30°)	934.5	19.5	B2/1000		
BM	(30°-60°)	766.2	16.0	B1/1000		
BH	(60°-80°)	374.9	7.8	B1/500		G0/660
BVH	(80°-90°)	97.3	2.0			G1/100
UL	(90°-100°)	116.2	2.4		U3/500	
UH	(100°-180°)	465.4	9.7		U3/500	

BUG Rating: B2-U3-G1

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	5335.4	5335.4	5335.4	5335.4	5335.4	5335.4	5335.4	5335.4	5335.4	5335.4	5335.4
2.5°	4966.9	4974.1	4975.9	4966.9	4907.3	4876.6	4844.1	4779.1	4793.5	4784.5	4786.3
5°	4504.5	4533.4	4488.3	4475.6	4385.3	4318.5	4253.5	4183.0	4166.8	4137.9	4148.7
7.5°	4197.5	4213.7	4139.7	4063.8	3919.3	3816.4	3708.0	3599.6	3518.4	3487.7	3500.3
10°	3494.9	3549.1	3475.0	3397.4	3260.1	3137.3	3023.5	2916.9	2842.9	2819.4	2823.0
12.5°	2971.1	3001.8	2938.6	2886.2	2732.7	2615.3	2510.5	2411.2	2351.6	2326.3	2326.3
15°	2624.3	2637.0	2588.2	2487.1	2371.5	2264.9	2176.4	2104.2	2055.4	2046.4	2050.0
17.5°	2362.4	2362.4	2313.7	2234.2	2145.7	2051.8	1990.4	1936.2	1914.5	1921.7	1923.5
20°	2165.6	2167.4	2124.0	2046.4	1970.5	1885.6	1835.0	1797.1	1784.5	1797.1	1798.9
22.5°	1979.5	1988.6	1941.6	1883.8	1800.7	1733.9	1692.4	1650.8	1643.6	1649.0	1649.0
25°	1432.3	1432.3	1416.0	1370.9	1388.9	1396.1	1444.9	1549.7	1528.0	1547.9	1546.1
27.5°	1235.4	1242.6	1210.1	1170.4	1128.8	1080.1	1071.0	1062.0	1053.0	1094.5	1109.0
30°	1090.9	1094.5	1067.4	1040.3	1006.0	978.9	971.7	971.7	962.7	995.2	993.4
32.5°	953.6	948.2	941.0	915.7	894.0	870.6	876.0	872.4	872.4	901.3	903.1
35°	845.3	843.5	838.1	820.0	798.3	780.3	785.7	789.3	787.5	805.5	805.5
37.5°	765.8	767.6	764.0	756.8	735.1	720.7	724.3	720.7	726.1	738.7	738.7
40°	688.1	688.1	689.9	688.1	673.7	668.3	679.1	673.7	686.3	695.4	691.8
42.5°	614.1	615.9	619.5	615.9	606.9	601.4	606.9	608.7	626.7	639.4	637.6
45°	567.1	567.1	568.9	567.1	559.9	554.5	554.5	549.1	561.7	568.9	567.1
47.5°	536.4	536.4	540.0	538.2	534.6	529.2	525.6	518.4	523.8	529.2	523.8
50°	525.6	525.6	532.8	532.8	531.0	525.6	520.2	511.1	512.9	516.6	509.3
52.5°	541.8	541.8	554.5	559.9	559.9	550.9	543.6	531.0	531.0	534.6	523.8
55°	576.2	576.2	596.0	606.9	608.7	608.7	599.6	587.0	588.8	596.0	585.2
57.5°	563.5	565.3	581.6	596.0	605.1	610.5	610.5	603.3	608.7	626.7	621.3
60°	503.9	507.5	518.4	531.0	547.3	552.7	552.7	550.9	559.9	581.6	581.6
62.5°	447.9	449.7	455.1	466.0	475.0	478.6	478.6	471.4	482.2	493.1	489.5
65°	404.6	402.8	413.6	422.6	428.1	433.5	428.1	420.8	426.3	433.5	431.7
67.5°	368.5	368.5	377.5	384.7	388.3	393.7	390.1	386.5	393.7	397.4	393.7
70°	334.1	335.9	343.2	348.6	352.2	357.6	352.2	350.4	357.6	361.2	359.4
72.5°	299.8	301.6	307.0	314.3	317.9	319.7	317.9	316.1	321.5	325.1	325.1
75°	269.1	270.9	274.5	281.8	281.8	285.4	283.6	281.8	287.2	290.8	290.8
77.5°	240.2	243.8	245.6	251.1	252.9	254.7	252.9	252.9	256.5	260.1	261.9
80°	214.9	216.7	218.5	224.0	224.0	225.8	224.0	224.0	227.6	233.0	233.0
82.5°	191.5	193.3	195.1	198.7	196.9	198.7	198.7	198.7	202.3	207.7	207.7
85°	168.0	171.6	171.6	175.2	175.2	175.2	175.2	177.0	178.8	184.2	184.2
87.5°	148.1	149.9	151.7	153.5	153.5	155.3	155.3	157.1	158.9	162.6	164.4
90°	128.2	130.0	131.8	131.8	131.8	133.7	133.7	135.5	137.3	140.9	142.7
92.5°	113.8	115.6	115.6	117.4	117.4	117.4	119.2	121.0	122.8	126.4	126.4
95°	101.1	103.0	103.0	103.0	103.0	104.8	104.8	106.6	108.4	112.0	112.0
97.5°	90.3	90.3	90.3	90.3	90.3	92.1	92.1	93.9	95.7	97.5	97.5
100°	79.5	79.5	79.5	79.5	79.5	79.5	79.5	81.3	81.3	84.9	84.9
102.5°	70.4	70.4	68.6	68.6	68.6	66.8	66.8	68.6	68.6	70.4	70.4
105°	63.2	63.2	63.2	63.2	61.4	61.4	61.4	61.4	61.4	63.2	63.2
107.5°	61.4	61.4	59.6	59.6	59.6	57.8	57.8	57.8	57.8	59.6	59.6
110°	59.6	59.6	59.6	59.6	57.8	57.8	56.0	56.0	56.0	57.8	57.8

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	61.4	61.4	61.4	59.6	59.6	57.8	57.8	57.8	57.8	57.8	59.6
115°	65.0	63.2	63.2	63.2	63.2	61.4	59.6	59.6	61.4	61.4	61.4
117.5°	70.4	68.6	68.6	70.4	68.6	66.8	65.0	65.0	66.8	66.8	68.6
120°	77.7	75.9	77.7	77.7	77.7	75.9	74.1	72.2	74.1	75.9	75.9
122.5°	86.7	84.9	86.7	88.5	88.5	86.7	83.1	83.1	84.9	86.7	88.5
125°	97.5	97.5	99.3	101.1	103.0	99.3	97.5	95.7	99.3	101.1	101.1
127.5°	110.2	108.4	112.0	117.4	119.2	115.6	112.0	110.2	113.8	117.4	117.4
130°	122.8	121.0	126.4	131.8	135.5	131.8	128.2	126.4	130.0	133.7	133.7
132.5°	133.7	131.8	139.1	146.3	149.9	148.1	144.5	140.9	146.3	149.9	148.1
135°	142.7	142.7	151.7	158.9	162.6	160.7	157.1	153.5	160.7	164.4	160.7
137.5°	148.1	148.1	158.9	166.2	169.8	169.8	168.0	164.4	171.6	173.4	168.0
140°	148.1	149.9	158.9	166.2	168.0	169.8	169.8	168.0	175.2	175.2	169.8
142.5°	142.7	144.5	153.5	160.7	162.6	164.4	166.2	164.4	169.8	169.8	166.2
145°	133.7	135.5	144.5	151.7	151.7	153.5	157.1	155.3	158.9	160.7	157.1
147.5°	121.0	122.8	130.0	133.7	135.5	139.1	142.7	142.7	144.5	146.3	144.5
150°	104.8	104.8	110.2	113.8	115.6	119.2	122.8	124.6	124.6	126.4	124.6
152.5°	83.1	83.1	86.7	90.3	92.1	97.5	99.3	101.1	103.0	104.8	103.0
155°	63.2	63.2	65.0	66.8	68.6	74.1	75.9	77.7	79.5	81.3	79.5
157.5°	45.2	45.2	47.0	48.8	50.6	54.2	56.0	57.8	57.8	59.6	59.6
160°	28.9	30.7	30.7	32.5	32.5	36.1	37.9	37.9	39.7	41.5	41.5
162.5°	14.4	16.3	16.3	18.1	19.9	21.7	23.5	23.5	25.3	25.3	25.3
165°	3.6	5.4	5.4	7.2	7.2	9.0	10.8	10.8	12.6	12.6	12.6
167.5°	0.0	1.8	1.8	1.8	1.8	1.8	1.8	3.6	3.6	3.6	3.6
170°	0.0	0.0	0.0	0.0	1.8	0.0	0.0	1.8	1.8	1.8	1.8
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°	5335.4	5335.4	5335.4	5335.4	5335.4	5335.4	5335.4	5335.4	5335.4	5335.4	5335.4
2.5°	4835.0	4831.4	4930.8	5010.2	5104.2	5178.2	5250.5	5319.1	5346.2	5344.4	5346.2
5°	4197.5	4260.7	4390.7	4519.0	4670.7	4813.4	4947.0	5035.5	5091.5	5091.5	5096.9
7.5°	3558.1	3659.2	3820.0	4024.1	4251.7	4437.7	4663.5	4822.4	4948.8	4945.2	4968.7
10°	2873.6	2953.0	3113.8	3332.3	3583.4	3798.3	3995.2	4143.3	4266.1	4258.9	4289.6
12.5°	2360.6	2416.6	2555.7	2754.4	2983.8	3191.5	3384.7	3500.3	3587.0	3585.2	3601.5
15°	2059.0	2116.8	2207.1	2344.4	2534.0	2718.2	2911.5	3016.3	3065.0	3059.6	3086.7
17.5°	1936.2	1959.7	2015.7	2107.8	2245.0	2394.9	2548.5	2638.8	2694.8	2687.5	2707.4
20°	1804.3	1826.0	1863.9	1932.6	2030.1	2143.9	2273.9	2373.3	2414.8	2413.0	2425.7
22.5°	1652.6	1663.5	1705.0	1759.2	1829.6	1921.7	2021.1	2111.4	2152.9	2151.1	2163.8
25°	1547.9	1565.9	1591.2	1623.7	1672.5	1744.7	1827.8	1891.0	1929.0	1925.4	1941.6
27.5°	1130.6	1148.7	1161.4	1181.2	1183.0	1242.6	1271.5	1323.9	1358.2	1356.4	1367.3
30°	993.4	997.0	1007.8	1034.9	1051.2	1098.1	1155.9	1195.7	1224.6	1235.4	1242.6
32.5°	906.7	917.5	930.2	942.8	962.7	991.6	1036.7	1072.8	1103.6	1109.0	1121.6
35°	807.3	814.6	823.6	836.2	848.9	872.4	906.7	935.6	959.1	968.1	975.3
37.5°	736.9	738.7	747.7	762.2	773.0	792.9	823.6	845.3	868.8	870.6	877.8
40°	689.9	691.8	700.8	713.4	726.1	738.7	765.8	785.7	801.9	803.7	809.2
42.5°	635.8	641.2	644.8	650.2	659.2	670.1	693.6	704.4	715.2	717.0	724.3
45°	561.7	563.5	567.1	572.5	583.4	594.2	610.5	623.1	630.3	630.3	628.5
47.5°	520.2	522.0	522.0	529.2	538.2	549.1	563.5	574.4	578.0	578.0	578.0
50°	505.7	505.7	502.1	507.5	516.6	523.8	538.2	547.3	549.1	550.9	552.7
52.5°	516.6	512.9	502.1	507.5	516.6	523.8	538.2	541.8	541.8	545.5	547.3
55°	576.2	570.7	549.1	552.7	563.5	572.5	583.4	585.2	588.8	594.2	592.4
57.5°	614.1	617.7	592.4	597.8	617.7	624.9	637.6	635.8	643.0	650.2	652.0
60°	578.0	588.8	568.9	576.2	599.6	603.3	615.9	608.7	619.5	619.5	619.5
62.5°	491.3	494.9	484.0	494.9	516.6	516.6	525.6	520.2	523.8	520.2	522.0
65°	429.9	428.1	415.4	429.9	437.1	440.7	447.9	449.7	449.7	446.1	446.1
67.5°	391.9	388.3	377.5	381.1	388.3	390.1	401.0	402.8	401.0	401.0	402.8
70°	357.6	352.2	341.4	343.2	348.6	350.4	359.4	363.0	361.2	359.4	361.2
72.5°	323.3	317.9	307.0	307.0	312.5	316.1	323.3	326.9	323.3	323.3	325.1
75°	290.8	285.4	274.5	274.5	278.1	280.0	289.0	290.8	289.0	287.2	289.0
77.5°	261.9	258.3	247.4	247.4	249.2	251.1	256.5	258.3	256.5	254.7	256.5
80°	234.8	229.4	222.2	220.3	222.2	222.2	227.6	229.4	225.8	225.8	227.6
82.5°	209.5	204.1	196.9	196.9	195.1	196.9	200.5	202.3	200.5	198.7	200.5
85°	186.0	182.4	175.2	173.4	173.4	173.4	177.0	177.0	175.2	175.2	175.2
87.5°	164.4	160.7	153.5	153.5	151.7	153.5	155.3	155.3	153.5	153.5	153.5
90°	142.7	139.1	133.7	133.7	131.8	133.7	135.5	135.5	133.7	133.7	133.7
92.5°	126.4	124.6	119.2	119.2	117.4	119.2	119.2	119.2	117.4	117.4	117.4
95°	112.0	110.2	106.6	104.8	104.8	104.8	104.8	104.8	103.0	103.0	103.0
97.5°	97.5	95.7	92.1	92.1	90.3	92.1	92.1	92.1	90.3	90.3	90.3
100°	84.9	83.1	81.3	81.3	79.5	79.5	79.5	79.5	79.5	79.5	79.5
102.5°	70.4	70.4	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
105°	63.2	63.2	63.2	63.2	65.0	65.0	65.0	63.2	63.2	63.2	63.2
107.5°	59.6	59.6	59.6	61.4	61.4	61.4	63.2	59.6	57.8	57.8	57.8
110°	57.8	57.8	59.6	59.6	61.4	61.4	63.2	56.0	54.2	54.2	54.2

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CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	178°	180°
112.5°	59.6	59.6	59.6	61.4	63.2	63.2	65.0	56.0	54.2	54.2	54.2
115°	63.2	63.2	63.2	65.0	66.8	68.6	68.6	59.6	56.0	56.0	57.8
117.5°	68.6	68.6	68.6	70.4	74.1	74.1	74.1	63.2	61.4	61.4	61.4
120°	75.9	77.7	77.7	79.5	83.1	84.9	81.3	72.2	66.8	66.8	66.8
122.5°	86.7	88.5	90.3	92.1	97.5	97.5	92.1	83.1	74.1	74.1	75.9
125°	101.1	103.0	104.8	108.4	113.8	113.8	106.6	93.9	83.1	83.1	84.9
127.5°	115.6	119.2	121.0	126.4	133.7	133.7	124.6	108.4	90.3	90.3	92.1
130°	131.8	135.5	139.1	146.3	155.3	151.7	144.5	122.8	95.7	95.7	95.7
132.5°	146.3	151.7	153.5	164.4	173.4	169.8	160.7	131.8	95.7	95.7	93.9
135°	157.1	160.7	162.6	173.4	182.4	177.0	166.2	135.5	90.3	90.3	90.3
137.5°	164.4	168.0	169.8	177.0	184.2	175.2	160.7	128.2	88.5	88.5	86.7
140°	168.0	168.0	168.0	173.4	177.0	166.2	148.1	115.6	84.9	84.9	84.9
142.5°	164.4	162.6	160.7	164.4	166.2	153.5	137.3	103.0	77.7	77.7	77.7
145°	155.3	151.7	149.9	151.7	151.7	137.3	119.2	88.5	66.8	66.8	66.8
147.5°	142.7	137.3	133.7	133.7	131.8	117.4	101.1	74.1	54.2	54.2	54.2
150°	122.8	117.4	113.8	113.8	108.4	95.7	81.3	57.8	45.2	45.2	45.2
152.5°	101.1	95.7	92.1	92.1	86.7	74.1	61.4	43.3	34.3	34.3	34.3
155°	79.5	74.1	70.4	68.6	65.0	56.0	45.2	32.5	25.3	25.3	25.3
157.5°	59.6	56.0	52.4	50.6	47.0	41.5	32.5	23.5	18.1	18.1	18.1
160°	41.5	37.9	36.1	34.3	32.5	27.1	21.7	14.4	9.0	9.0	9.0
162.5°	25.3	23.5	23.5	21.7	19.9	18.1	12.6	7.2	3.6	3.6	3.6
165°	12.6	12.6	10.8	10.8	9.0	7.2	5.4	1.8	0.0	0.0	0.0
167.5°	3.6	3.6	3.6	1.8	1.8	1.8	1.8	0.0	0.0	0.0	0.0
170°	1.8	1.8	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)