

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: P691582

Luminaire Tested: **CRTK2-C018-5TLD-U-T2-7050-RMARROA5**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691582
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-7)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C018-5TLD-U-T2-7050-RMARROA5
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 5000K LED WITH TYPE II OPTIC AND NEMA REFRACTOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6655 lumens
Efficiency: N/A
Efficacy: 123.9 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.54')
IES Classification: Type I - Short
BUG Rating: B3 - U4 - G2

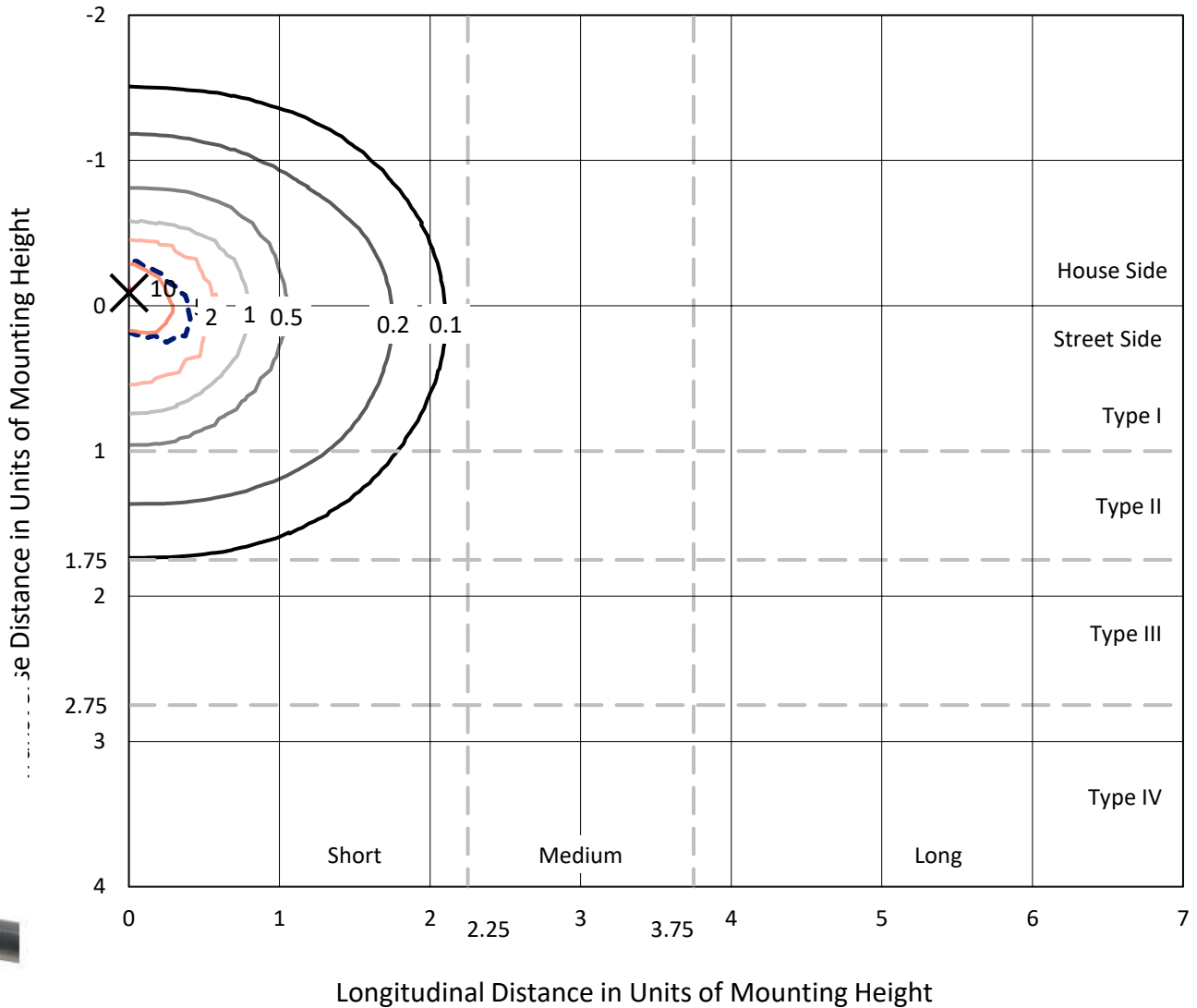
Input Watts (W): 53.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

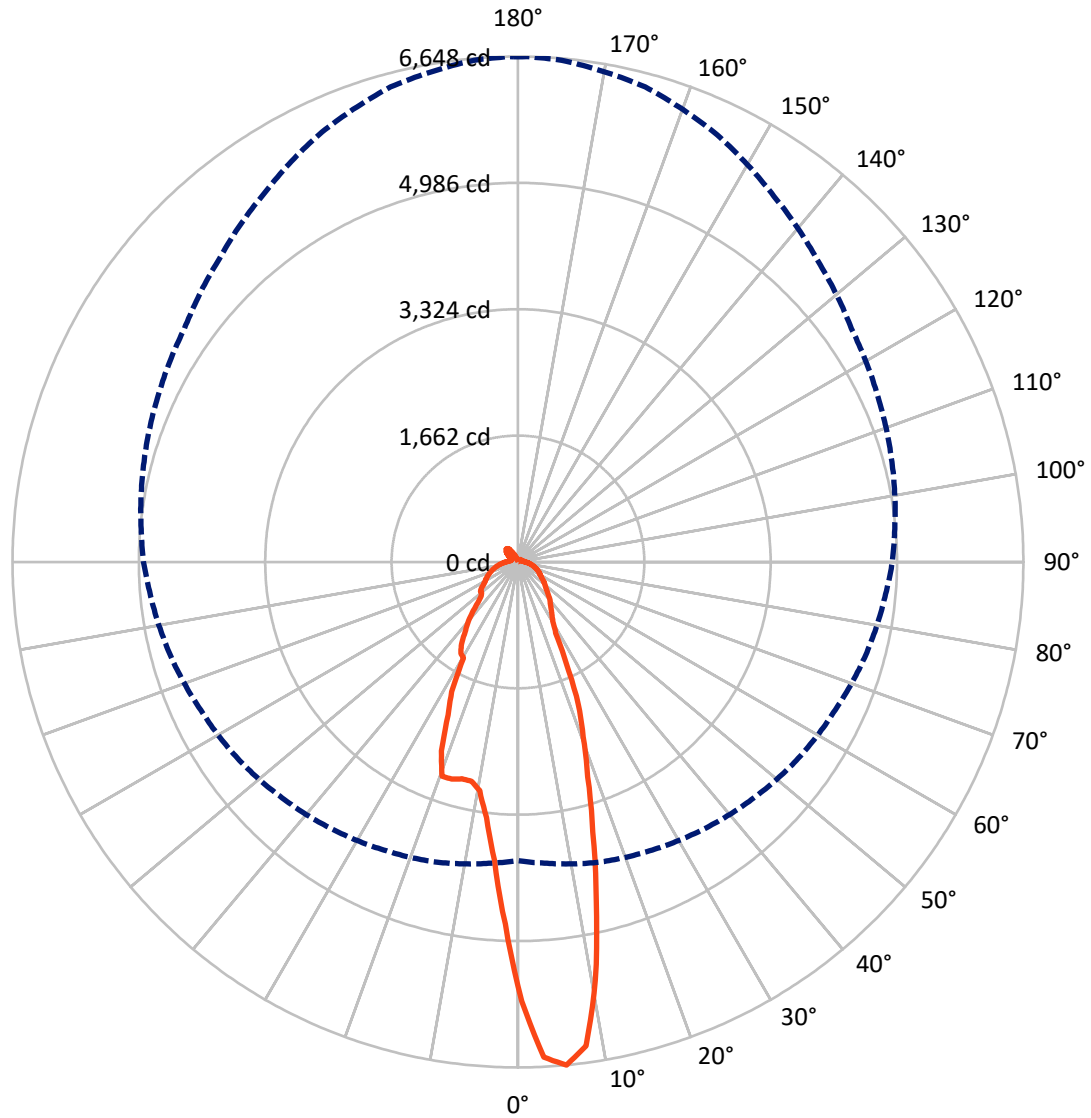
✕ Max cd
 - - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.1 fc
 Type I - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 179-Deg Lateral - - - Horizontal Cone Through 5-Deg Vertical

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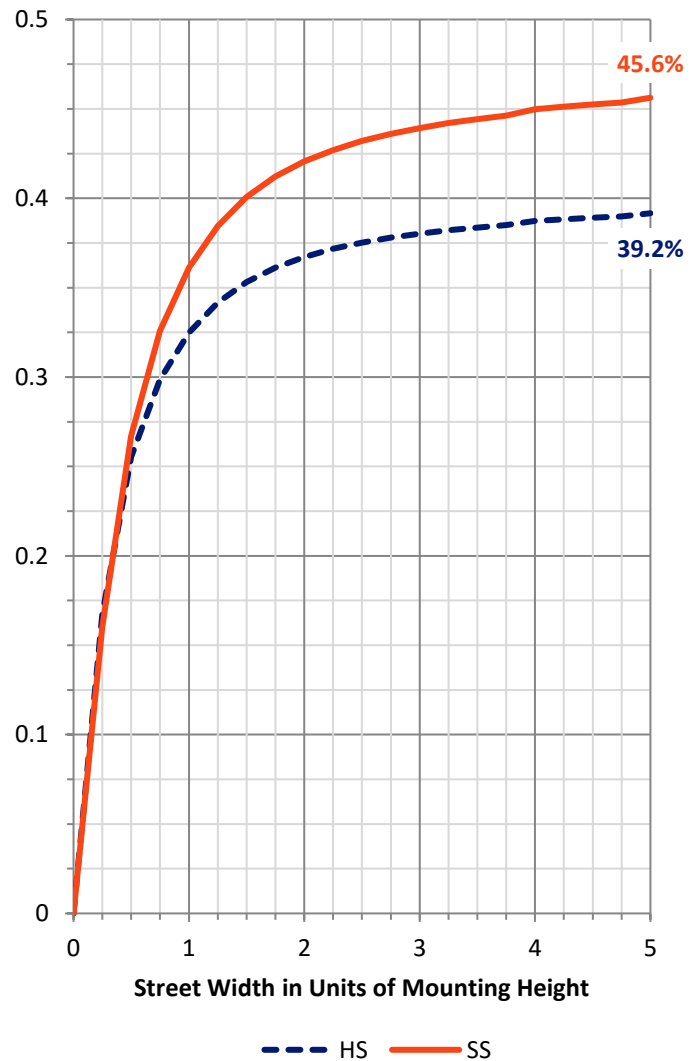
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2678.1	325.6	3003.7
	% Fixture	40.2	4.9	45.1
Street Side	Lumens	3108.4	543.0	3651.3
	% Fixture	46.7	8.2	54.9
Total	Lumens	5786.4	868.6	6655.0
	% Fixture	86.9	13.1	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	451.5	6.8
10°-20°	963.3	14.5
20°-30°	1046.4	15.7
30°-40°	774.5	11.6
40°-50°	648.7	9.7
50°-60°	652.1	9.8
60°-70°	555.2	8.3
70°-80°	414.7	6.2
80°-90°	280.0	4.2
90°-100°	167.3	2.5
100°-110°	96.7	1.5
110°-120°	89.0	1.3
120°-130°	128.7	1.9
130°-140°	176.1	2.6
140°-150°	145.1	2.2
150°-160°	58.4	0.9
160°-170°	7.2	0.1
170°-180°	0.0	0.0
0°-90°	5786.4	86.9
0°-180°	6655.0	100.0



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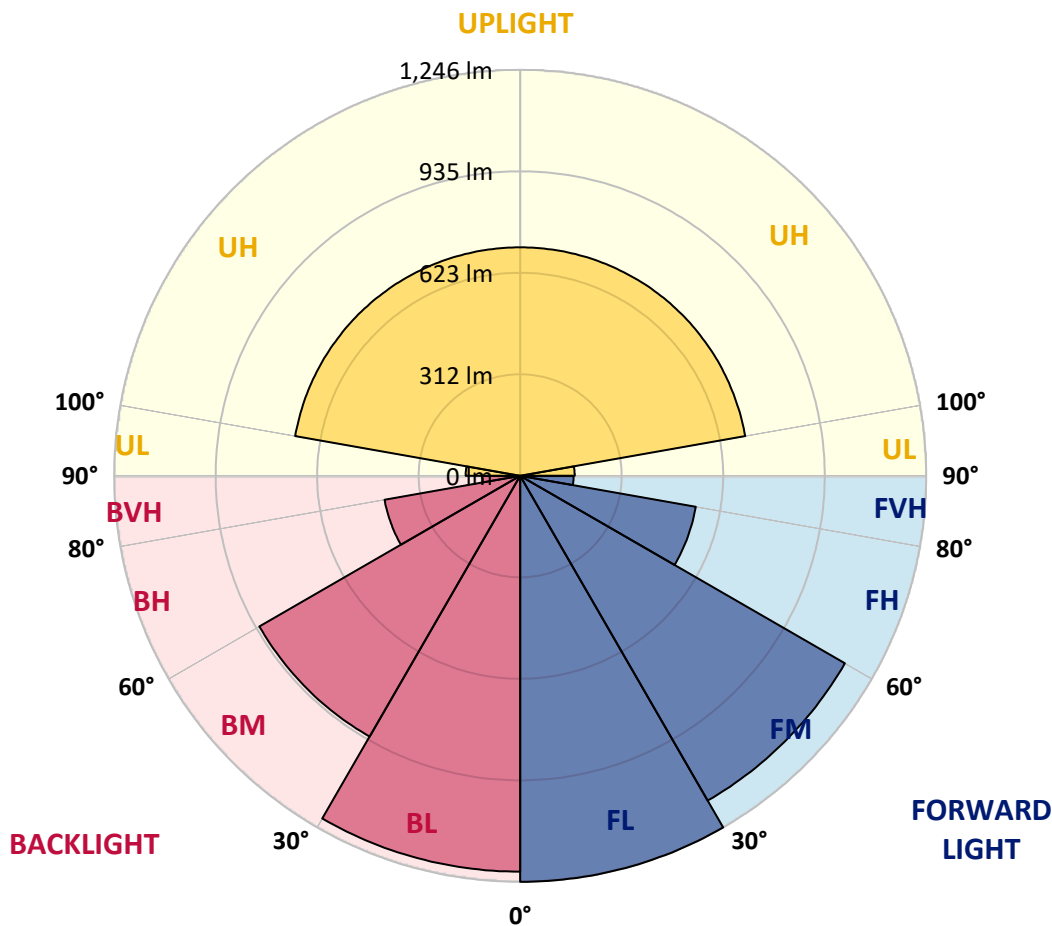
CATALOG NUMBER: CRTK2-C018-5TLD-U-T2-7050-RMARROA5

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1246.2	18.7			
FM (30°-60°)	1150.9	17.3			
FH (60°-80°)	547.4	8.2			G0/660
FVH (80°-90°)	163.9	2.5			G2/225
BL (0°-30°)	1215.0	18.3	B3/2500		
BM (30°-60°)	924.5	13.9	B1/1000		
BH (60°-80°)	422.6	6.3	B1/500		G1/500
BVH (80°-90°)	116.0	1.7			G2/225
UL (90°-100°)	167.3	2.5		U3/500	
UH (100°-180°)	701.2	10.5		U4/1000	

BUG Rating: B3-U4-G2

Type I Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	5774.9	5774.9	5774.9	5774.9	5774.9	5774.9	5774.9	5774.9	5774.9	5774.9	5774.9
2.5°	4760.8	4787.5	4846.2	4875.6	4904.9	4942.3	4998.3	5041.0	5139.8	5230.5	5267.9
5°	3928.2	3976.2	4088.3	4179.1	4280.5	4387.2	4502.0	4603.4	4734.1	4854.2	4923.6
7.5°	3375.8	3415.8	3549.3	3725.4	3904.2	4053.6	4171.1	4248.4	4307.2	4355.2	4405.9
10°	3039.6	3074.3	3207.7	3365.1	3517.2	3656.0	3754.8	3829.5	3850.8	3898.9	3922.9
12.5°	2943.5	2959.5	3052.9	3162.3	3255.7	3391.8	3509.2	3589.3	3624.0	3666.7	3680.0
15°	2946.2	2946.2	2999.5	3068.9	3154.3	3258.4	3389.1	3485.2	3535.9	3559.9	3557.3
17.5°	2986.2	2983.5	3007.5	3063.6	3135.6	3239.7	3373.1	3471.9	3530.6	3538.6	3530.6
20°	2986.2	2988.9	2996.9	3060.9	3130.3	3223.7	3359.8	3442.5	3487.9	3463.9	3437.2
22.5°	2682.0	2679.3	2748.7	2884.8	3071.6	3266.4	3389.1	3490.6	3501.2	3413.2	3341.1
25°	2215.0	2196.3	2236.3	2297.7	2423.1	2649.9	2906.1	3290.4	3519.9	3469.2	3359.8
27.5°	1921.4	1897.4	1932.1	1905.4	1892.1	1876.0	1860.0	1814.7	1844.0	1870.7	1988.1
30°	1449.1	1454.4	1462.4	1478.4	1510.4	1574.5	1641.2	1681.2	1715.9	1785.3	1777.3
32.5°	1417.0	1414.4	1417.0	1433.0	1449.1	1489.1	1529.1	1550.5	1577.2	1643.9	1627.9
35°	1310.3	1305.0	1323.6	1331.6	1329.0	1339.6	1379.7	1403.7	1427.7	1470.4	1454.4
37.5°	1152.8	1158.2	1198.2	1219.6	1227.6	1251.6	1283.6	1305.0	1334.3	1366.3	1358.3
40°	1035.4	1032.8	1075.5	1104.8	1123.5	1160.9	1208.9	1240.9	1288.9	1315.6	1297.0
42.5°	891.3	902.0	934.0	963.4	968.7	987.4	1030.1	1067.4	1126.2	1166.2	1155.5
45°	749.9	757.9	784.6	808.6	827.3	851.3	883.3	915.3	963.4	995.4	992.7
47.5°	661.8	669.8	691.2	720.5	747.2	781.9	813.9	846.0	891.3	915.3	907.3
50°	627.1	632.5	656.5	688.5	728.5	771.2	813.9	848.6	891.3	907.3	894.0
52.5°	624.5	624.5	653.8	701.8	757.9	816.6	872.6	920.7	960.7	960.7	934.0
55°	587.1	592.4	629.8	693.8	779.2	875.3	974.0	1064.8	1118.2	1107.5	1056.8
57.5°	533.7	536.4	576.4	637.8	728.5	846.0	979.4	1094.1	1158.2	1171.5	1118.2
60°	501.7	504.4	531.1	589.8	667.2	760.6	883.3	974.0	1038.1	1078.1	1035.4
62.5°	475.0	475.0	501.7	541.7	605.8	675.2	744.5	805.9	856.6	886.0	862.0
65°	445.7	445.7	464.3	501.7	552.4	619.1	672.5	717.9	763.2	784.6	763.2
67.5°	416.3	416.3	435.0	469.7	515.0	571.1	624.5	667.2	712.5	728.5	712.5
70°	387.0	387.0	405.6	435.0	477.7	531.1	571.1	616.5	659.1	669.8	656.5
72.5°	357.6	357.6	376.3	403.0	440.3	491.0	528.4	563.1	603.1	611.1	597.8
75°	330.9	330.9	344.3	370.9	405.6	451.0	488.4	520.4	552.4	552.4	541.7
77.5°	301.6	304.2	314.9	338.9	370.9	413.6	448.3	477.7	504.4	504.4	491.0
80°	272.2	274.9	285.5	306.9	336.2	376.3	408.3	435.0	459.0	459.0	445.7
82.5°	242.8	245.5	256.2	274.9	301.6	338.9	370.9	397.6	419.0	416.3	403.0
85°	216.2	218.8	226.8	242.8	266.9	304.2	333.6	357.6	376.3	373.6	362.9
87.5°	189.5	192.1	200.1	213.5	234.8	269.5	298.9	320.2	336.2	333.6	322.9
90°	165.5	165.5	173.5	186.8	205.5	234.8	261.5	280.2	296.2	290.9	280.2
92.5°	144.1	146.8	152.1	162.8	178.8	205.5	229.5	245.5	261.5	258.9	248.2
95°	128.1	128.1	133.4	141.4	154.8	176.1	200.1	213.5	224.2	224.2	216.2
97.5°	112.1	114.8	117.4	122.8	133.4	149.4	168.1	181.5	189.5	189.5	184.1
100°	101.4	104.1	104.1	109.4	114.8	125.4	138.8	149.4	157.4	157.4	154.8
102.5°	96.1	96.1	96.1	98.7	101.4	106.7	114.8	120.1	125.4	128.1	125.4
105°	90.7	90.7	90.7	93.4	93.4	98.7	101.4	106.7	109.4	109.4	106.7
107.5°	88.1	88.1	90.7	90.7	90.7	93.4	98.7	98.7	101.4	98.7	98.7
110°	90.7	90.7	90.7	90.7	90.7	93.4	96.1	96.1	96.1	96.1	93.4



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	93.4	93.4	93.4	93.4	96.1	96.1	96.1	98.7	98.7	96.1	96.1
115°	101.4	101.4	101.4	101.4	101.4	104.1	104.1	104.1	104.1	101.4	98.7
117.5°	109.4	109.4	109.4	112.1	112.1	114.8	112.1	114.8	112.1	109.4	109.4
120°	122.8	122.8	125.4	128.1	130.8	130.8	128.1	130.8	130.8	125.4	122.8
122.5°	138.8	138.8	141.4	149.4	152.1	154.8	152.1	152.1	152.1	146.8	144.1
125°	154.8	157.4	162.8	173.5	181.5	186.8	181.5	184.1	184.1	176.1	173.5
127.5°	173.5	176.1	186.8	202.8	216.2	221.5	218.8	221.5	224.2	210.8	205.5
130°	192.1	192.1	208.2	232.2	250.9	258.9	261.5	264.2	266.9	253.5	242.8
132.5°	208.2	208.2	229.5	258.9	282.9	296.2	301.6	306.9	312.2	293.5	280.2
135°	218.8	221.5	248.2	282.9	312.2	330.9	338.9	344.3	352.3	330.9	314.9
137.5°	226.8	232.2	258.9	296.2	328.2	354.9	370.9	378.9	384.3	362.9	341.6
140°	229.5	232.2	261.5	298.9	330.9	360.3	384.3	397.6	400.3	378.9	357.6
142.5°	221.5	226.8	253.5	290.9	322.9	354.9	381.6	395.0	397.6	378.9	357.6
145°	210.8	213.5	237.5	272.2	304.2	338.9	368.3	381.6	381.6	365.6	344.3
147.5°	192.1	194.8	216.2	245.5	277.5	312.2	341.6	354.9	357.6	341.6	322.9
150°	165.5	168.1	184.1	208.2	240.2	274.9	301.6	317.6	317.6	301.6	288.2
152.5°	133.4	136.1	149.4	168.1	194.8	226.8	250.9	266.9	266.9	256.2	240.2
155°	104.1	104.1	114.8	130.8	149.4	173.5	192.1	205.5	208.2	197.5	186.8
157.5°	74.7	74.7	82.7	96.1	112.1	130.8	144.1	154.8	154.8	146.8	141.4
160°	50.7	50.7	56.0	64.0	74.7	88.1	98.7	109.4	109.4	104.1	98.7
162.5°	26.7	26.7	32.0	37.4	45.4	56.0	61.4	69.4	69.4	66.7	64.0
165°	8.0	8.0	10.7	13.3	18.7	24.0	26.7	32.0	34.7	32.0	29.4
167.5°	0.0	0.0	2.7	2.7	2.7	2.7	5.3	8.0	8.0	8.0	8.0
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°	179°	180°
0°	5774.9	5774.9	5774.9	5774.9	5774.9	5774.9	5774.9	5774.9	5774.9	5774.9	5774.9
2.5°	5307.9	5476.0	5628.1	5785.6	5980.4	6151.2	6335.3	6466.1	6522.1	6522.1	6543.5
5°	4974.3	5091.7	5214.5	5353.3	5585.4	5871.0	6199.2	6468.7	6623.5	6647.5	6644.9
7.5°	4421.9	4502.0	4627.4	4782.2	4995.7	5251.8	5673.5	6095.1	6375.3	6426.0	6407.4
10°	3936.2	4010.9	4085.7	4144.4	4296.5	4499.3	4808.9	5219.8	5542.7	5593.4	5553.4
12.5°	3688.0	3712.1	3709.4	3744.1	3805.5	3906.9	4064.3	4301.8	4523.3	4571.3	4536.7
15°	3557.3	3522.6	3469.2	3407.8	3402.5	3418.5	3458.5	3554.6	3648.0	3688.0	3661.3
17.5°	3503.9	3421.2	3311.8	3191.7	3111.6	3036.9	2986.2	2954.2	2967.5	2970.2	2948.8
20°	3378.5	3279.7	3103.6	2932.8	2804.7	2674.0	2561.9	2479.1	2465.8	2452.5	2436.5
22.5°	3237.0	3068.9	2858.1	2649.9	2460.5	2287.0	2161.6	2062.8	2025.5	2038.8	2030.8
25°	3207.7	2927.5	2671.3	2335.0	2094.9	1900.1	1665.2	1505.1	1433.0	1473.1	1446.4
27.5°	1924.1	1932.1	1788.0	1585.2	1411.7	1297.0	1192.9	1107.5	1059.4	1059.4	1064.8
30°	1742.6	1665.2	1569.1	1443.7	1291.6	1176.9	1062.1	968.7	918.0	904.7	910.0
32.5°	1593.2	1539.8	1449.1	1329.0	1190.2	1072.8	952.7	867.3	819.3	816.6	813.9
35°	1433.0	1377.0	1302.3	1198.2	1078.1	968.7	864.6	789.9	747.2	749.9	749.9
37.5°	1323.6	1272.9	1206.2	1107.5	998.1	888.7	795.2	725.9	691.2	691.2	688.5
40°	1267.6	1208.9	1136.8	1046.1	944.7	829.9	741.9	675.2	645.8	645.8	643.1
42.5°	1144.8	1094.1	1046.1	952.7	851.3	757.9	675.2	616.5	587.1	587.1	587.1
45°	971.4	942.0	904.7	840.6	757.9	680.5	611.1	555.1	531.1	528.4	528.4
47.5°	896.7	864.6	819.3	760.6	693.8	621.8	555.1	515.0	491.0	491.0	491.0
50°	875.3	837.9	776.6	707.2	637.8	573.8	515.0	477.7	456.3	456.3	459.0
52.5°	904.7	843.3	760.6	675.2	603.1	531.1	480.4	443.0	427.0	427.0	424.3
55°	1006.1	891.3	771.2	667.2	576.4	499.0	445.7	405.6	387.0	387.0	387.0
57.5°	1062.1	926.0	779.2	656.5	552.4	475.0	419.0	376.3	357.6	357.6	357.6
60°	998.1	886.0	747.2	635.1	533.7	453.7	395.0	354.9	336.2	333.6	330.9
62.5°	835.3	765.9	667.2	573.8	493.7	424.3	376.3	336.2	317.6	317.6	314.9
65°	744.5	685.8	600.4	520.4	453.7	395.0	349.6	317.6	298.9	296.2	296.2
67.5°	693.8	640.5	555.1	480.4	419.0	365.6	322.9	293.5	280.2	274.9	274.9
70°	637.8	579.1	504.4	437.7	381.6	333.6	298.9	269.5	256.2	253.5	250.9
72.5°	581.8	528.4	459.0	395.0	344.3	304.2	272.2	245.5	232.2	229.5	229.5
75°	523.0	472.3	405.6	352.3	309.6	272.2	242.8	221.5	210.8	208.2	205.5
77.5°	475.0	429.6	365.6	314.9	274.9	245.5	218.8	200.1	189.5	189.5	186.8
80°	429.6	387.0	325.6	280.2	245.5	216.2	194.8	178.8	170.8	168.1	168.1
82.5°	387.0	344.3	288.2	248.2	216.2	192.1	170.8	157.4	149.4	149.4	149.4
85°	346.9	306.9	256.2	218.8	189.5	168.1	149.4	136.1	130.8	128.1	130.8
87.5°	306.9	269.5	226.8	192.1	165.5	144.1	128.1	117.4	112.1	112.1	112.1
90°	269.5	234.8	194.8	162.8	141.4	122.8	109.4	98.7	96.1	93.4	93.4
92.5°	237.5	208.2	173.5	146.8	125.4	112.1	98.7	90.7	85.4	85.4	85.4
95°	208.2	181.5	154.8	130.8	114.8	101.4	90.7	82.7	80.1	80.1	80.1
97.5°	178.8	157.4	136.1	117.4	104.1	93.4	82.7	77.4	74.7	72.1	74.7
100°	149.4	133.4	117.4	104.1	93.4	82.7	74.7	69.4	66.7	66.7	66.7
102.5°	120.1	112.1	98.7	88.1	80.1	74.7	66.7	61.4	58.7	58.7	58.7
105°	104.1	96.1	88.1	80.1	74.7	66.7	61.4	56.0	53.4	53.4	53.4
107.5°	96.1	90.7	82.7	77.4	69.4	64.0	58.7	50.7	48.0	48.0	48.0
110°	93.4	88.1	82.7	74.7	69.4	64.0	58.7	48.0	45.4	45.4	45.4



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CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	179°	180°
112.5°	93.4	88.1	82.7	77.4	72.1	64.0	58.7	48.0	42.7	42.7	42.7
115°	98.7	93.4	88.1	82.7	74.7	66.7	61.4	48.0	42.7	42.7	42.7
117.5°	106.7	101.4	96.1	88.1	80.1	72.1	61.4	48.0	45.4	45.4	45.4
120°	120.1	114.8	106.7	98.7	88.1	77.4	66.7	50.7	42.7	45.4	45.4
122.5°	138.8	133.4	122.8	109.4	98.7	85.4	69.4	53.4	40.0	45.4	45.4
125°	165.5	157.4	141.4	125.4	109.4	93.4	74.7	56.0	42.7	48.0	48.0
127.5°	194.8	184.1	162.8	141.4	122.8	101.4	80.1	58.7	45.4	48.0	48.0
130°	229.5	210.8	184.1	157.4	133.4	109.4	85.4	61.4	48.0	48.0	48.0
132.5°	264.2	237.5	202.8	173.5	144.1	114.8	88.1	61.4	48.0	48.0	48.0
135°	293.5	261.5	221.5	184.1	149.4	117.4	90.7	61.4	48.0	48.0	48.0
137.5°	320.2	277.5	232.2	189.5	152.1	117.4	88.1	61.4	45.4	45.4	45.4
140°	333.6	285.5	237.5	189.5	149.4	114.8	82.7	56.0	42.7	42.7	42.7
142.5°	333.6	282.9	232.2	184.1	144.1	109.4	77.4	53.4	37.4	40.0	40.0
145°	322.9	272.2	221.5	173.5	133.4	98.7	69.4	45.4	34.7	34.7	34.7
147.5°	298.9	250.9	202.8	157.4	120.1	85.4	61.4	40.0	29.4	26.7	29.4
150°	266.9	221.5	176.1	136.1	101.4	72.1	50.7	32.0	24.0	24.0	24.0
152.5°	224.2	184.1	146.8	112.1	80.1	56.0	37.4	24.0	18.7	18.7	18.7
155°	176.1	144.1	114.8	85.4	61.4	42.7	29.4	18.7	13.3	13.3	13.3
157.5°	133.4	109.4	85.4	61.4	45.4	32.0	21.3	13.3	10.7	10.7	10.7
160°	93.4	74.7	58.7	42.7	29.4	21.3	13.3	8.0	5.3	5.3	5.3
162.5°	58.7	48.0	37.4	24.0	18.7	13.3	8.0	5.3	2.7	2.7	2.7
165°	26.7	24.0	16.0	10.7	8.0	5.3	2.7	2.7	0.0	0.0	0.0
167.5°	8.0	5.3	5.3	2.7	2.7	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)