

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: P690978

Luminaire Tested: **CRTK2-C01-D-U-T3-8027-RMARROA5**

Issue Date: 6/13/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P690978  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-15)  
Test Lab: INNOVATION CENTER  
Issue Date: 6/13/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: CRTK2-C01-D-U-T3-8027-RMARROA5  
Description: CARETAKER AREA AND ROADWAY LUMINAIRE  
(1) 80 CRI, 2700K LED WITH TYPE III OPTIC AND NEMA REFRACTOR  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6375 lumens  
Efficiency: N/A  
Efficacy: 104.5 lumens/watt  
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.54')  
IES Classification: Type I - Short  
BUG Rating: B3 - U4 - G2

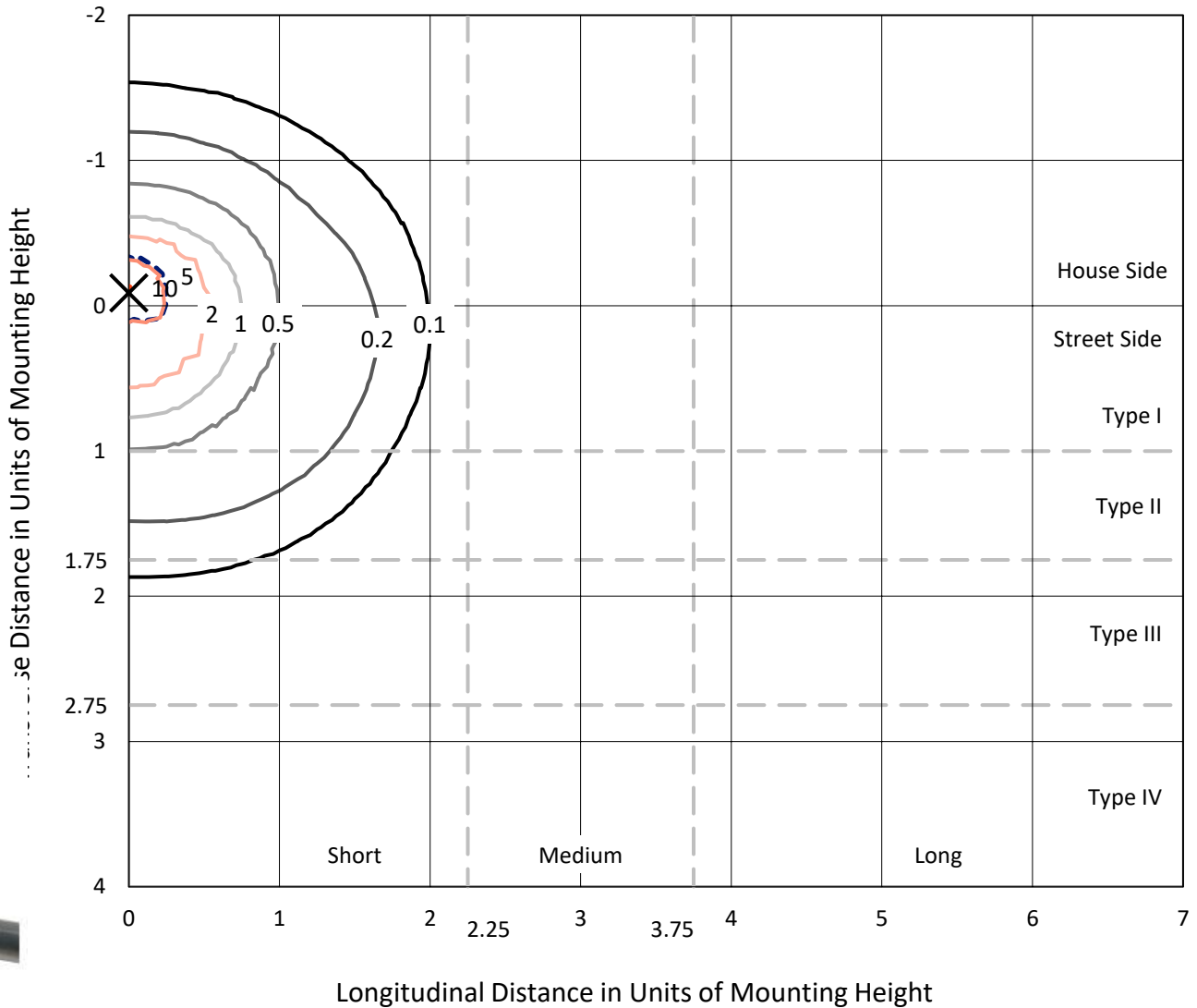
Input Watts (W): 61  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

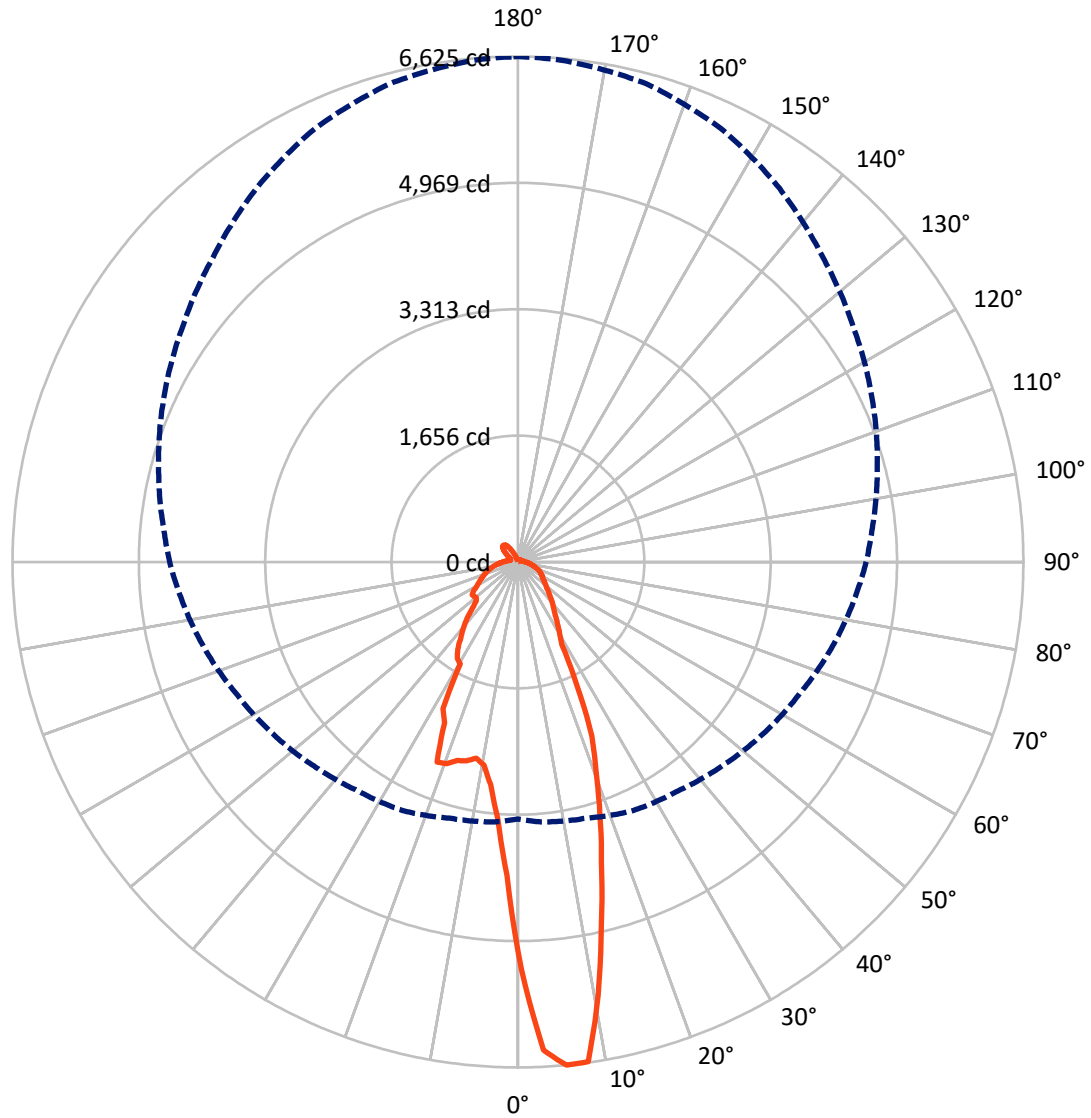
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.3 fc  
 Type I - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 180-Deg Lateral      - - - Horizontal Cone Through 5-Deg Vertical

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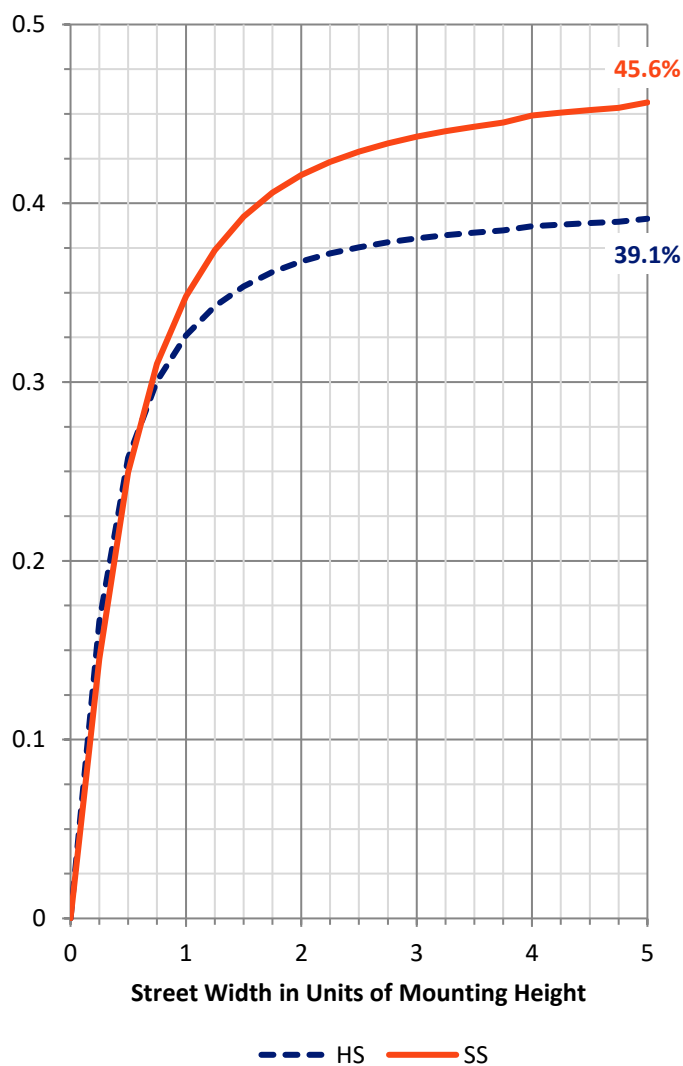
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2562.2	274.7	2837.0
	% Fixture	40.2	4.3	44.5
<b>Street Side</b>	Lumens	2990.1	548.0	3538.0
	% Fixture	46.9	8.6	55.5
<b>Total</b>	Lumens	5552.3	822.7	6375.0
	% Fixture	87.1	12.9	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	428.5	6.7
10°-20°	919.0	14.4
20°-30°	1011.9	15.9
30°-40°	743.6	11.7
40°-50°	623.0	9.8
50°-60°	625.1	9.8
60°-70°	535.3	8.4
70°-80°	398.9	6.3
80°-90°	266.9	4.2
90°-100°	158.5	2.5
100°-110°	92.0	1.4
110°-120°	85.6	1.3
120°-130°	124.2	1.9
130°-140°	167.1	2.6
140°-150°	135.3	2.1
150°-160°	53.5	0.8
160°-170°	6.5	0.1
170°-180°	0.0	0.0
0°-90°	5552.3	87.1
0°-180°	6375.0	100.0

**Coefficient of Utilization**



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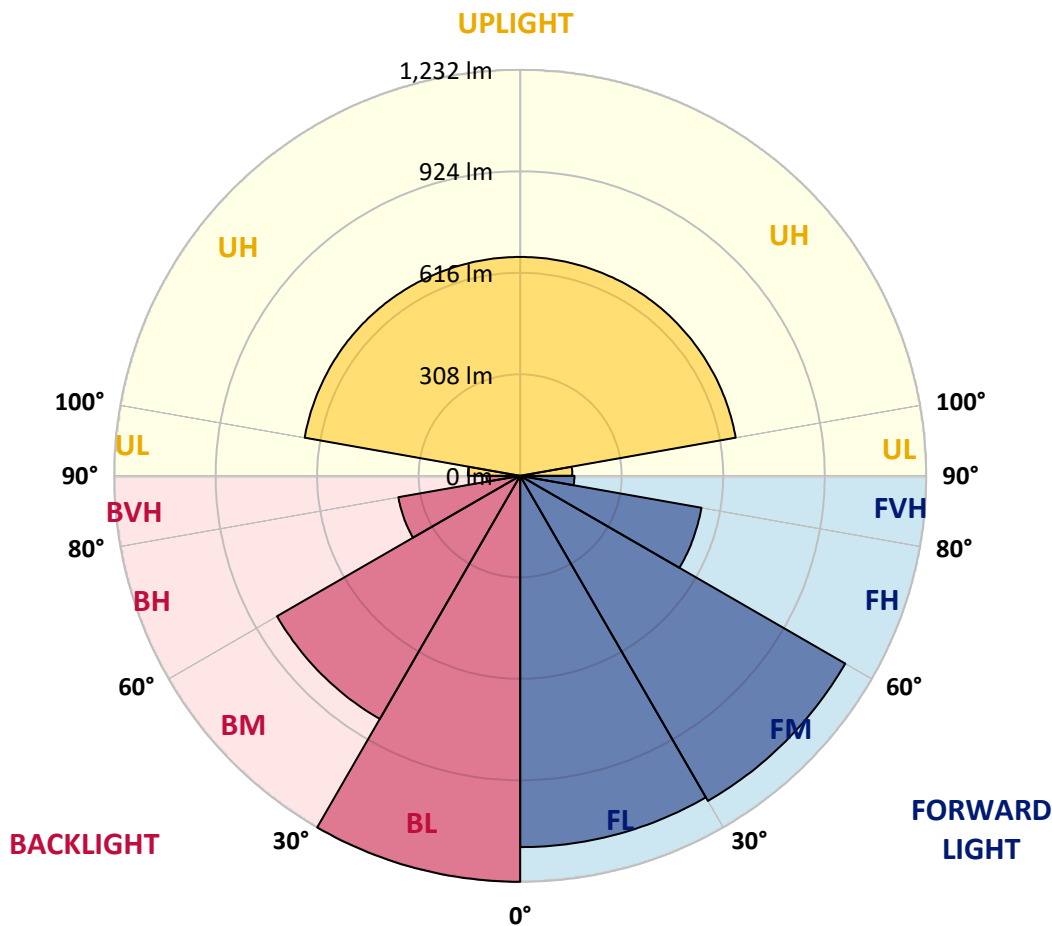
CATALOG NUMBER: CRTK2-C01-D-U-T3-8027-RMARROA5

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1127.1	17.7			
FM (30°-60°)	1139.5	17.9			
FH (60°-80°)	558.7	8.8			G0/660
FVH (80°-90°)	164.8	2.6			G2/225
BL (0°-30°)	1232.4	19.3	B3/2500		
BM (30°-60°)	852.2	13.4	B1/1000		
BH (60°-80°)	375.5	5.9	B1/500		G1/500
BVH (80°-90°)	102.1	1.6			G2/225
UL (90°-100°)	158.5	2.5		U3/500	
UH (100°-180°)	664.2	10.4		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°	5336.5	5336.5	5336.5	5336.5	5336.5	5336.5	5336.5	5336.5	5336.5	5336.5	5336.5
2.5°	4111.2	4172.0	4202.4	4293.5	4323.9	4382.1	4470.7	4559.3	4708.7	4820.1	4906.1
5°	3369.5	3420.1	3475.8	3592.3	3660.6	3782.1	3923.9	4075.8	4268.2	4463.1	4564.4
7.5°	2936.6	2949.2	3030.3	3172.0	3296.1	3425.2	3579.6	3711.2	3842.9	4002.4	4103.6
10°	2698.6	2716.3	2769.5	2878.4	2984.7	3091.0	3212.5	3313.8	3448.0	3582.1	3642.9
12.5°	2627.7	2635.3	2680.9	2744.2	2812.5	2880.9	2974.6	3065.7	3184.7	3301.1	3341.6
15°	2691.0	2691.0	2698.6	2723.9	2759.4	2812.5	2883.4	2961.9	3070.8	3156.8	3199.9
17.5°	2721.4	2723.9	2744.2	2749.3	2782.2	2804.9	2868.2	2929.0	3032.8	3103.7	3126.5
20°	2802.4	2802.4	2804.9	2817.6	2822.7	2835.3	2863.2	2896.1	2982.2	3020.1	3015.1
22.5°	2827.7	2817.6	2858.1	2931.5	2929.0	2931.5	2906.2	2913.8	2961.9	2946.7	2911.3
25°	2321.4	2308.8	2354.3	2399.9	2465.7	2549.3	2756.8	2918.9	2979.6	2931.5	2853.0
27.5°	2159.4	2103.7	2091.1	1982.2	1883.5	1721.4	1706.3	1605.0	1594.9	1658.2	1716.4
30°	1534.1	1536.6	1534.1	1524.0	1516.4	1524.0	1531.6	1513.9	1518.9	1559.4	1541.7
32.5°	1496.1	1496.1	1486.0	1481.0	1458.2	1450.6	1437.9	1405.0	1410.1	1440.4	1432.9
35°	1394.9	1389.8	1392.3	1379.7	1339.2	1306.3	1301.2	1273.4	1273.4	1291.1	1283.5
37.5°	1243.0	1235.4	1265.8	1263.2	1230.3	1217.7	1205.0	1187.3	1187.3	1202.5	1187.3
40°	1124.0	1118.9	1151.9	1162.0	1141.7	1146.8	1149.3	1134.1	1149.3	1151.9	1131.6
42.5°	997.4	994.9	1022.7	1020.2	1002.5	1000.0	997.4	987.3	1012.6	1032.9	1017.7
45°	848.1	840.5	860.7	868.3	863.3	855.7	853.1	853.1	868.3	878.4	863.3
47.5°	749.3	751.9	767.1	784.8	789.8	794.9	792.4	787.3	797.4	800.0	787.3
50°	716.4	719.0	741.7	762.0	777.2	787.3	787.3	779.7	787.3	779.7	762.0
52.5°	731.6	731.6	762.0	792.4	817.7	835.4	837.9	827.8	827.8	807.6	779.7
55°	736.7	741.7	782.2	832.9	878.4	926.5	949.3	941.7	949.3	906.3	860.7
57.5°	688.6	701.2	741.7	802.5	863.3	939.2	987.3	992.4	989.8	951.9	896.2
60°	625.3	635.4	663.3	716.4	774.7	835.4	883.5	893.6	903.8	886.0	835.4
62.5°	582.3	587.3	610.1	648.1	688.6	721.5	739.2	736.7	746.8	741.7	703.8
65°	544.3	546.8	572.1	602.5	627.8	660.7	665.8	665.8	673.4	663.3	632.9
67.5°	503.8	503.8	524.0	551.9	582.3	610.1	617.7	620.2	630.4	620.2	597.4
70°	468.3	468.3	486.1	508.8	531.6	559.5	567.1	569.6	582.3	569.6	546.8
72.5°	435.4	435.4	450.6	470.9	491.1	513.9	521.5	524.0	534.2	521.5	503.8
75°	400.0	402.5	415.2	432.9	450.6	470.9	481.0	481.0	488.6	473.4	458.2
77.5°	364.5	367.1	379.7	394.9	410.1	430.4	435.4	438.0	445.6	430.4	415.2
80°	329.1	334.2	344.3	356.9	372.1	387.3	397.5	397.5	402.5	387.3	377.2
82.5°	296.2	301.3	308.8	319.0	334.2	349.4	359.5	359.5	362.0	349.4	336.7
85°	263.3	268.3	275.9	283.5	296.2	311.4	321.5	321.5	324.0	311.4	301.3
87.5°	232.9	238.0	243.0	250.6	260.7	275.9	286.1	286.1	286.1	275.9	265.8
90°	202.5	205.1	210.1	217.7	227.8	240.5	248.1	250.6	250.6	238.0	232.9
92.5°	179.7	179.7	184.8	189.9	200.0	210.1	217.7	220.2	220.2	212.6	205.1
95°	154.4	157.0	159.5	164.6	172.1	179.7	189.9	189.9	189.9	184.8	179.7
97.5°	136.7	134.2	136.7	139.2	146.8	151.9	159.5	162.0	162.0	157.0	154.4
100°	116.5	119.0	119.0	121.5	124.0	126.6	131.6	134.2	134.2	131.6	131.6
102.5°	108.9	106.3	106.3	106.3	106.3	106.3	108.9	108.9	111.4	108.9	106.3
105°	101.3	101.3	101.3	101.3	98.7	98.7	98.7	98.7	96.2	93.7	93.7
107.5°	98.7	98.7	98.7	98.7	96.2	96.2	93.7	93.7	91.1	88.6	86.1
110°	98.7	98.7	98.7	98.7	96.2	93.7	93.7	91.1	88.6	86.1	83.5



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	103.8	103.8	103.8	103.8	98.7	96.2	93.7	93.7	88.6	86.1	83.5
115°	113.9	113.9	111.4	111.4	108.9	103.8	101.3	98.7	96.2	91.1	88.6
117.5°	124.0	124.0	124.0	124.0	121.5	116.5	111.4	108.9	106.3	98.7	96.2
120°	141.8	141.8	141.8	144.3	139.2	134.2	129.1	124.0	121.5	113.9	108.9
122.5°	164.6	162.0	167.1	169.6	167.1	159.5	151.9	146.8	141.8	131.6	126.6
125°	187.3	187.3	192.4	200.0	200.0	192.4	182.3	174.7	169.6	154.4	146.8
127.5°	215.2	215.2	222.8	235.4	238.0	230.4	220.2	210.1	202.5	182.3	174.7
130°	240.5	240.5	255.7	270.9	278.5	270.9	260.7	248.1	238.0	215.2	202.5
132.5°	260.7	263.3	281.0	301.3	311.4	308.8	296.2	286.1	275.9	248.1	232.9
135°	281.0	283.5	303.8	329.1	341.8	341.8	331.6	319.0	306.3	275.9	258.2
137.5°	291.1	293.7	319.0	344.3	359.5	364.5	359.5	346.8	334.2	301.3	278.5
140°	291.1	296.2	321.5	346.8	362.0	369.6	369.6	356.9	344.3	313.9	291.1
142.5°	283.5	288.6	311.4	336.7	351.9	362.0	364.5	354.4	341.8	311.4	288.6
145°	268.3	270.9	293.7	316.4	331.6	344.3	349.4	341.8	326.6	301.3	278.5
147.5°	243.0	243.0	263.3	281.0	301.3	313.9	321.5	316.4	303.8	281.0	260.7
150°	207.6	207.6	222.8	240.5	258.2	273.4	281.0	281.0	268.3	250.6	230.4
152.5°	164.6	167.1	177.2	192.4	210.1	222.8	232.9	232.9	225.3	210.1	192.4
155°	126.6	126.6	134.2	144.3	159.5	172.1	179.7	179.7	174.7	162.0	151.9
157.5°	91.1	91.1	96.2	106.3	116.5	126.6	134.2	134.2	129.1	121.5	113.9
160°	60.8	60.8	63.3	70.9	78.5	86.1	91.1	93.7	91.1	86.1	78.5
162.5°	32.9	32.9	35.4	40.5	45.6	53.2	55.7	58.2	58.2	53.2	50.6
165°	10.1	10.1	10.1	15.2	17.7	22.8	25.3	27.8	27.8	27.8	25.3
167.5°	2.5	2.5	2.5	2.5	2.5	2.5	5.1	7.6	7.6	7.6	7.6
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	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°	5336.5	5336.5	5336.5	5336.5	5336.5	5336.5	5336.5	5336.5	5336.5	5336.5	5336.5
2.5°	4987.1	5174.5	5382.1	5594.7	5812.4	6017.5	6189.6	6326.3	6399.7	6417.5	6407.3
5°	4655.5	4875.7	5118.8	5366.9	5650.4	5977.0	6275.7	6490.9	6602.3	6620.0	6625.0
7.5°	4182.1	4374.5	4612.5	4898.5	5255.5	5604.8	6065.6	6387.1	6566.8	6614.9	6614.9
10°	3683.4	3853.0	4002.4	4253.0	4564.4	4890.9	5283.3	5579.5	5761.8	5820.0	5769.4
12.5°	3402.4	3475.8	3577.1	3761.9	3956.8	4204.9	4544.1	4736.5	4855.5	4890.9	4860.6
15°	3222.7	3260.6	3303.7	3382.1	3518.8	3673.3	3873.3	3992.2	4065.7	4108.7	4093.5
17.5°	3136.6	3136.6	3129.0	3146.7	3182.1	3253.0	3389.7	3432.8	3465.7	3483.4	3473.3
20°	3004.9	2964.4	2931.5	2880.9	2860.6	2858.1	2891.0	2936.6	2934.1	2936.6	2916.3
22.5°	2873.3	2789.8	2708.7	2632.8	2546.7	2503.7	2473.3	2488.5	2475.8	2488.5	2475.8
25°	2810.0	2640.4	2478.4	2293.6	2139.2	2020.2	1941.7	1893.6	1812.6	1843.0	1815.1
27.5°	1744.2	1673.3	1605.0	1468.3	1339.2	1293.6	1255.6	1235.4	1220.2	1227.8	1222.7
30°	1511.3	1453.1	1399.9	1329.1	1230.3	1169.6	1124.0	1083.5	1070.8	1073.4	1070.8
32.5°	1402.5	1356.9	1291.1	1217.7	1129.1	1053.1	1000.0	962.0	941.7	954.4	944.3
35°	1255.6	1210.1	1154.4	1086.0	1010.1	941.7	891.1	855.7	832.9	837.9	835.4
37.5°	1159.4	1116.4	1068.3	994.9	929.1	863.3	812.6	777.2	754.4	759.5	754.4
40°	1103.8	1055.7	1005.0	939.2	873.4	805.0	756.9	716.4	693.6	693.6	693.6
42.5°	989.8	951.9	908.8	840.5	782.2	724.0	675.9	645.5	620.2	622.8	617.7
45°	845.5	817.7	784.8	739.2	691.1	645.5	605.0	582.3	562.0	564.5	562.0
47.5°	772.1	746.8	708.8	673.4	630.4	589.8	554.4	526.6	511.4	513.9	508.8
50°	744.3	713.9	670.9	622.8	582.3	541.7	506.3	486.1	470.9	473.4	470.9
52.5°	754.4	706.3	645.5	587.3	539.2	498.7	470.9	448.1	438.0	440.5	435.4
55°	820.2	736.7	645.5	572.1	511.4	465.8	438.0	412.6	402.5	402.5	402.5
57.5°	843.0	751.9	637.9	554.4	488.6	443.0	410.1	384.8	374.7	374.7	374.7
60°	789.8	711.4	607.6	529.1	468.3	425.3	397.5	379.7	372.1	372.1	372.1
62.5°	675.9	625.3	546.8	483.5	438.0	400.0	372.1	349.4	341.8	339.2	339.2
65°	612.6	564.5	498.7	445.6	405.0	374.7	349.4	331.6	321.5	321.5	321.5
67.5°	572.1	526.6	465.8	415.2	377.2	344.3	321.5	303.8	298.7	296.2	296.2
70°	526.6	483.5	422.8	377.2	341.8	313.9	291.1	275.9	270.9	270.9	268.3
72.5°	481.0	440.5	382.3	339.2	306.3	281.0	260.7	248.1	243.0	240.5	240.5
75°	438.0	397.5	344.3	303.8	273.4	250.6	232.9	220.2	215.2	215.2	215.2
77.5°	397.5	359.5	308.8	270.9	245.6	222.8	207.6	197.5	192.4	192.4	192.4
80°	359.5	321.5	275.9	240.5	215.2	197.5	184.8	174.7	169.6	172.1	169.6
82.5°	319.0	288.6	245.6	212.6	192.4	174.7	162.0	154.4	149.4	151.9	149.4
85°	286.1	255.7	215.2	187.3	167.1	151.9	141.8	134.2	129.1	131.6	129.1
87.5°	253.2	225.3	189.9	164.6	146.8	134.2	121.5	116.5	113.9	113.9	111.4
90°	217.7	192.4	162.0	141.8	124.0	113.9	103.8	98.7	96.2	93.7	93.7
92.5°	192.4	172.1	144.3	126.6	111.4	103.8	93.7	88.6	86.1	86.1	86.1
95°	169.6	151.9	129.1	113.9	103.8	93.7	86.1	83.5	81.0	81.0	78.5
97.5°	146.8	131.6	116.5	103.8	93.7	86.1	78.5	75.9	73.4	73.4	73.4
100°	124.0	113.9	101.3	91.1	83.5	78.5	70.9	68.4	65.8	65.8	65.8
102.5°	103.8	96.2	86.1	78.5	73.4	68.4	63.3	60.8	58.2	58.2	58.2
105°	91.1	83.5	78.5	70.9	65.8	60.8	58.2	53.2	50.6	50.6	50.6
107.5°	83.5	78.5	73.4	68.4	63.3	58.2	53.2	48.1	45.6	45.6	45.6
110°	81.0	75.9	70.9	65.8	60.8	55.7	53.2	45.6	43.0	43.0	43.0



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**CANDELA DISTRIBUTION (continued):**

	95°	105°	115°	125°	135°	145°	155°	165°	175°	179°	180°
112.5°	81.0	78.5	73.4	68.4	63.3	58.2	53.2	43.0	40.5	40.5	40.5
115°	86.1	81.0	75.9	70.9	65.8	60.8	55.7	43.0	40.5	40.5	40.5
117.5°	93.7	88.6	81.0	75.9	70.9	63.3	55.7	45.6	40.5	40.5	40.5
120°	106.3	98.7	91.1	83.5	75.9	68.4	58.2	45.6	38.0	40.5	40.5
122.5°	121.5	113.9	101.3	91.1	83.5	73.4	60.8	48.1	38.0	40.5	40.5
125°	141.8	131.6	116.5	103.8	91.1	78.5	63.3	48.1	38.0	40.5	43.0
127.5°	164.6	149.4	131.6	113.9	98.7	83.5	68.4	50.6	38.0	43.0	43.0
130°	189.9	172.1	149.4	126.6	108.9	88.6	70.9	50.6	40.5	40.5	40.5
132.5°	217.7	192.4	162.0	136.7	113.9	91.1	70.9	50.6	40.5	40.5	40.5
135°	238.0	207.6	174.7	144.3	119.0	93.7	73.4	50.6	38.0	38.0	38.0
137.5°	255.7	220.2	184.8	149.4	121.5	93.7	70.9	48.1	38.0	35.4	35.4
140°	265.8	225.3	184.8	149.4	119.0	91.1	65.8	45.6	32.9	32.9	32.9
142.5°	265.8	222.8	182.3	144.3	111.4	86.1	63.3	40.5	30.4	30.4	30.4
145°	255.7	212.6	172.1	136.7	103.8	78.5	55.7	38.0	27.8	27.8	27.8
147.5°	238.0	194.9	157.0	124.0	91.1	68.4	48.1	30.4	22.8	22.8	22.8
150°	212.6	172.1	136.7	106.3	78.5	55.7	40.5	25.3	17.7	17.7	17.7
152.5°	177.2	144.3	111.4	88.6	63.3	45.6	30.4	20.3	15.2	15.2	15.2
155°	139.2	113.9	88.6	68.4	48.1	32.9	22.8	15.2	10.1	10.1	10.1
157.5°	106.3	86.1	65.8	50.6	35.4	25.3	17.7	10.1	7.6	7.6	7.6
160°	73.4	58.2	45.6	35.4	22.8	17.7	12.7	7.6	5.1	5.1	5.1
162.5°	48.1	38.0	27.8	20.3	15.2	10.1	7.6	5.1	2.5	2.5	2.5
165°	22.8	17.7	15.2	10.1	7.6	5.1	2.5	2.5	0.0	0.0	0.0
167.5°	7.6	5.1	5.1	2.5	2.5	2.5	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)