

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: P690846

Luminaire Tested: **CRTK2-C01-5TLD-U-T2-7050-RMARROA5**

Issue Date: 6/13/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P690846  
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-C01-5TLD-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: 7269 lumens  
Efficiency: N/A  
Efficacy: 121.2 lumens/watt  
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.54')  
IES Classification: Type I - Short  
BUG Rating: B3 - U4 - G2

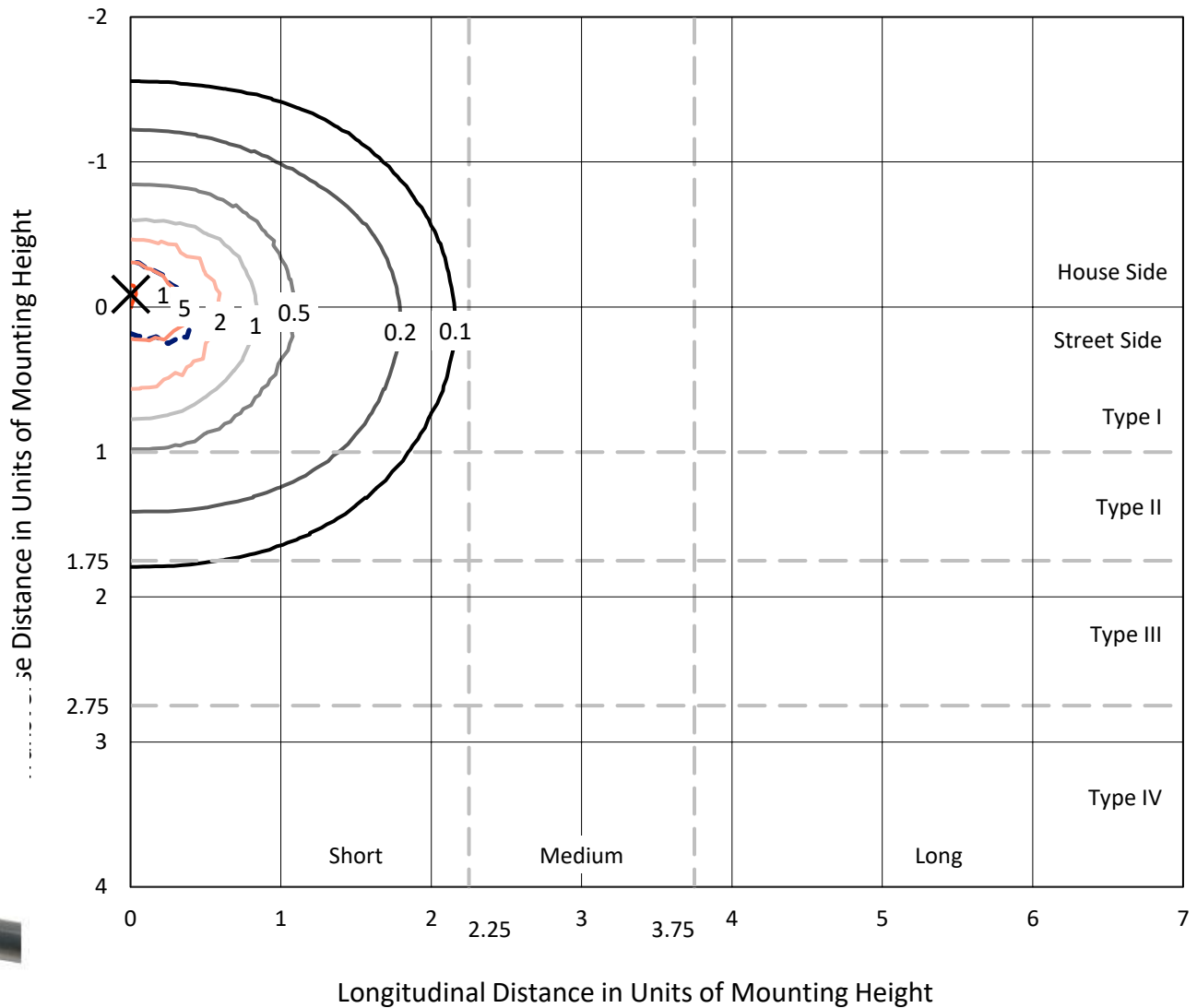
Input Watts (W): 60  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

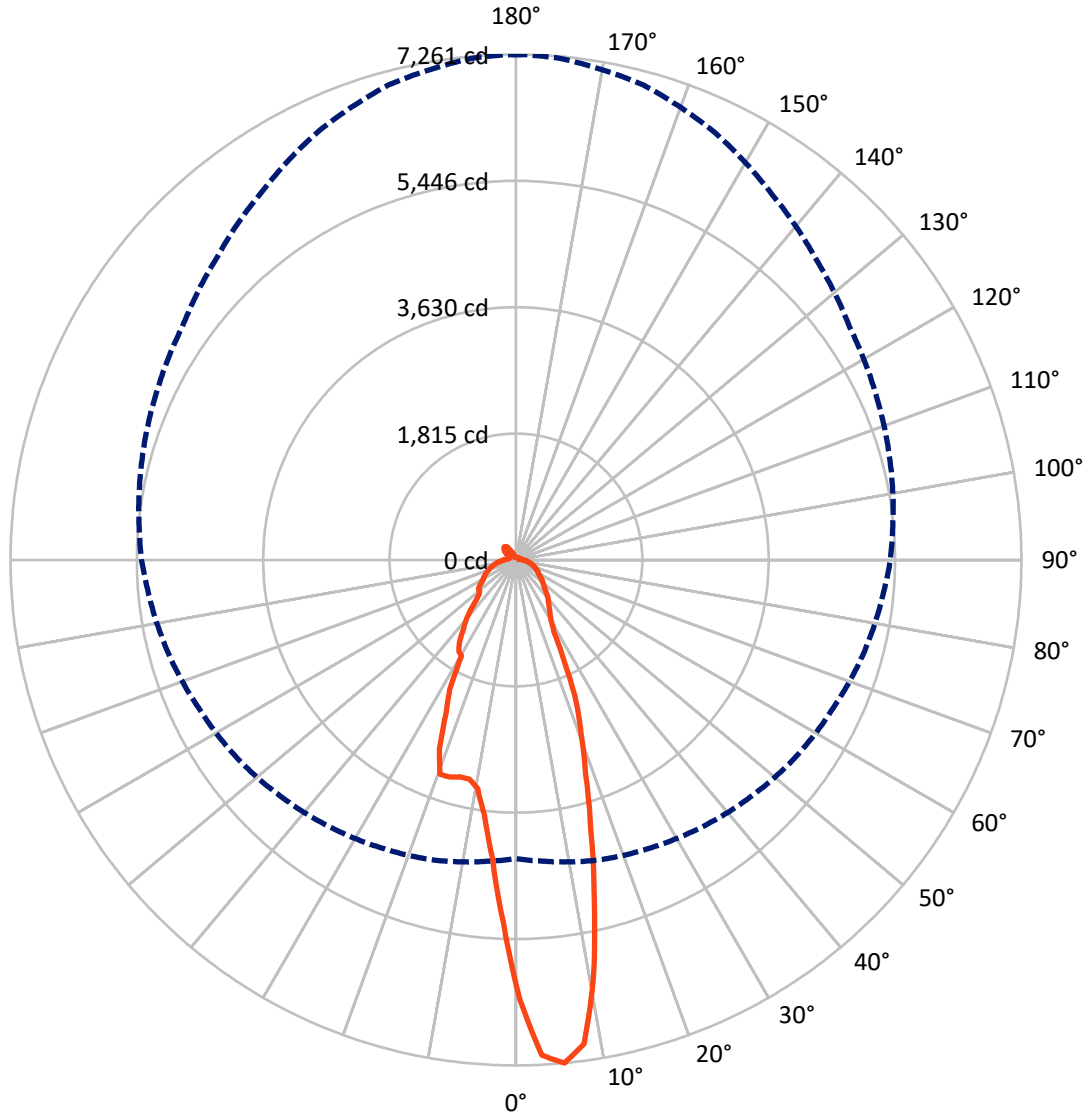
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11 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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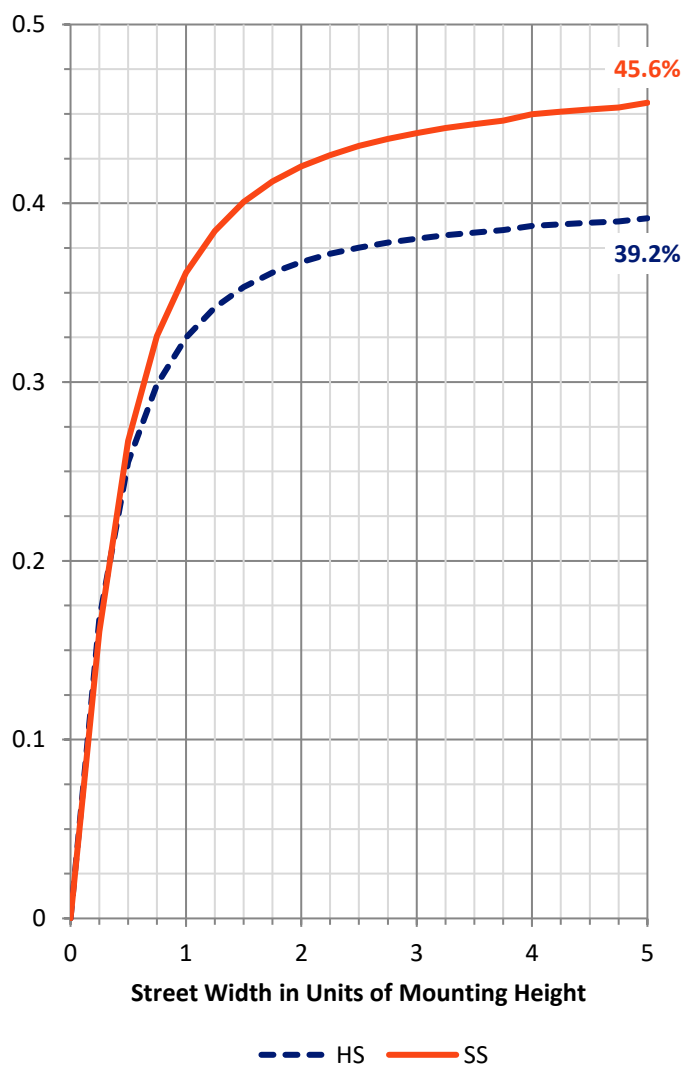
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2925.1	355.7	3280.8
	% Fixture	40.2	4.9	45.1
<b>Street Side</b>	Lumens	3395.2	593.0	3988.2
	% Fixture	46.7	8.2	54.9
<b>Total</b>	Lumens	6320.3	948.7	7269.0
	% Fixture	86.9	13.1	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	493.1	6.8
10°-20°	1052.1	14.5
20°-30°	1143.0	15.7
30°-40°	846.0	11.6
40°-50°	708.5	9.7
50°-60°	712.3	9.8
60°-70°	606.4	8.3
70°-80°	453.0	6.2
80°-90°	305.8	4.2
90°-100°	182.8	2.5
100°-110°	105.6	1.5
110°-120°	97.2	1.3
120°-130°	140.5	1.9
130°-140°	192.4	2.6
140°-150°	158.5	2.2
150°-160°	63.8	0.9
160°-170°	7.9	0.1
170°-180°	0.0	0.0
0°-90°	6320.3	86.9
0°-180°	7269.0	100.0

**Coefficient of Utilization**



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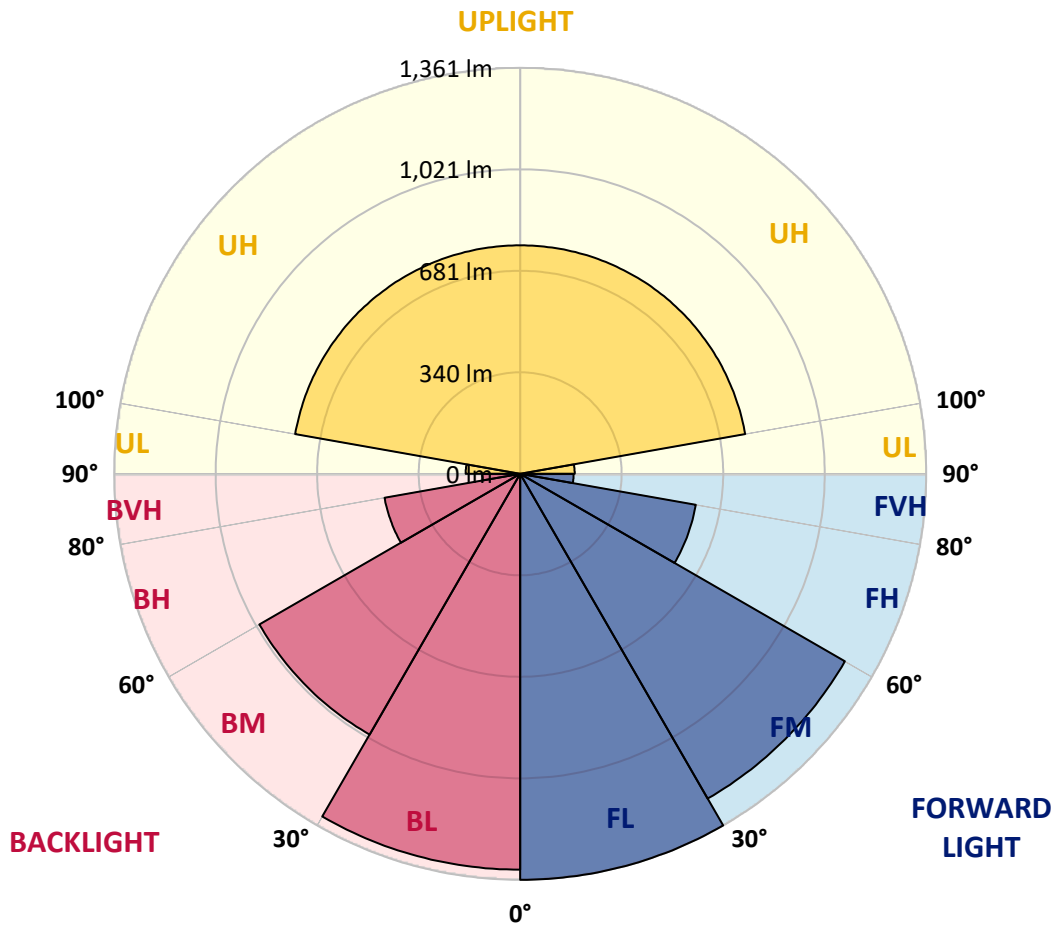
CATALOG NUMBER: CRTK2-C01-5TLD-U-T2-7050-RMARROA5

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1361.2	18.7			
FM (30°-60°)	1257.1	17.3			
FH (60°-80°)	597.9	8.2			G0/660
FVH (80°-90°)	179.1	2.5			G2/225
BL (0°-30°)	1327.1	18.3	B3/2500		
BM (30°-60°)	1009.8	13.9	B2/2500		
BH (60°-80°)	461.5	6.3	B1/500		G1/500
BVH (80°-90°)	126.7	1.7			G2/225
UL (90°-100°)	182.8	2.5		U3/500	
UH (100°-180°)	765.9	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°	6307.7	6307.7	6307.7	6307.7	6307.7	6307.7	6307.7	6307.7	6307.7	6307.7	6307.7
2.5°	5200.1	5229.2	5293.3	5325.4	5357.5	5398.3	5459.5	5506.1	5614.0	5713.1	5753.9
5°	4290.6	4343.1	4465.5	4564.6	4675.4	4792.0	4917.3	5028.1	5170.9	5302.1	5377.9
7.5°	3687.3	3731.0	3876.7	4069.1	4264.4	4427.6	4555.9	4640.4	4704.5	4757.0	4812.4
10°	3320.0	3357.9	3503.6	3675.6	3841.7	3993.3	4101.2	4182.8	4206.1	4258.6	4284.8
12.5°	3215.1	3232.5	3334.6	3454.1	3556.1	3704.8	3833.0	3920.4	3958.3	4005.0	4019.6
15°	3218.0	3218.0	3276.3	3352.1	3445.3	3559.0	3701.8	3806.8	3862.2	3888.4	3885.5
17.5°	3261.7	3258.8	3285.0	3346.2	3424.9	3538.6	3684.3	3792.2	3856.3	3865.1	3856.3
20°	3261.7	3264.6	3273.4	3343.3	3419.1	3521.1	3669.8	3760.1	3809.7	3783.5	3754.3
22.5°	2929.4	2926.5	3002.3	3150.9	3355.0	3567.8	3701.8	3812.6	3824.3	3728.1	3649.4
25°	2419.3	2398.9	2442.6	2509.7	2646.7	2894.4	3174.3	3594.0	3844.7	3789.3	3669.8
27.5°	2098.7	2072.4	2110.3	2081.2	2066.6	2049.1	2031.6	1982.1	2014.1	2043.3	2171.6
30°	1582.8	1588.6	1597.3	1614.8	1649.8	1719.8	1792.6	1836.3	1874.2	1950.0	1941.3
32.5°	1547.8	1544.9	1547.8	1565.3	1582.8	1626.5	1670.2	1693.5	1722.7	1795.5	1778.0
35°	1431.2	1425.4	1445.8	1454.5	1451.6	1463.2	1507.0	1533.2	1559.4	1606.1	1588.6
37.5°	1259.2	1265.0	1308.8	1332.1	1340.8	1367.1	1402.0	1425.4	1457.4	1492.4	1483.6
40°	1131.0	1128.0	1174.7	1206.7	1227.1	1268.0	1320.4	1355.4	1407.9	1437.0	1416.6
42.5°	973.6	985.2	1020.2	1052.3	1058.1	1078.5	1125.1	1165.9	1230.1	1273.8	1262.1
45°	819.1	827.8	857.0	883.2	903.6	929.8	964.8	999.8	1052.3	1087.2	1084.3
47.5°	722.9	731.6	754.9	787.0	816.2	854.0	889.0	924.0	973.6	999.8	991.0
50°	685.0	690.8	717.0	752.0	795.7	842.4	889.0	926.9	973.6	991.0	976.5
52.5°	682.1	682.1	714.1	766.6	827.8	891.9	953.2	1005.6	1049.3	1049.3	1020.2
55°	641.3	647.1	687.9	757.9	851.1	956.1	1063.9	1163.0	1221.3	1209.7	1154.3
57.5°	583.0	585.9	629.6	696.6	795.7	924.0	1069.7	1195.1	1265.0	1279.6	1221.3
60°	548.0	550.9	580.1	644.2	728.7	830.7	964.8	1063.9	1133.9	1177.6	1131.0
62.5°	518.8	518.8	548.0	591.7	661.7	737.5	813.2	880.3	935.7	967.7	941.5
65°	486.8	486.8	507.2	548.0	603.4	676.2	734.5	784.1	833.6	857.0	833.6
67.5°	454.7	454.7	475.1	513.0	562.6	623.8	682.1	728.7	778.3	795.7	778.3
70°	422.7	422.7	443.1	475.1	521.8	580.1	623.8	673.3	720.0	731.6	717.0
72.5°	390.6	390.6	411.0	440.1	480.9	536.3	577.1	615.0	658.8	667.5	652.9
75°	361.4	361.4	376.0	405.2	443.1	492.6	533.4	568.4	603.4	603.4	591.7
77.5°	329.4	332.3	344.0	370.2	405.2	451.8	489.7	521.8	550.9	550.9	536.3
80°	297.3	300.2	311.9	335.2	367.3	411.0	446.0	475.1	501.4	501.4	486.8
82.5°	265.2	268.2	279.8	300.2	329.4	370.2	405.2	434.3	457.6	454.7	440.1
85°	236.1	239.0	247.8	265.2	291.5	332.3	364.4	390.6	411.0	408.1	396.4
87.5°	207.0	209.9	218.6	233.2	256.5	294.4	326.5	349.8	367.3	364.4	352.7
90°	180.7	180.7	189.5	204.0	224.4	256.5	285.7	306.1	323.5	317.7	306.1
92.5°	157.4	160.3	166.1	177.8	195.3	224.4	250.7	268.2	285.7	282.7	271.1
95°	139.9	139.9	145.7	154.5	169.1	192.4	218.6	233.2	244.8	244.8	236.1
97.5°	122.4	125.3	128.3	134.1	145.7	163.2	183.6	198.2	207.0	207.0	201.1
100°	110.8	113.7	113.7	119.5	125.3	137.0	151.6	163.2	172.0	172.0	169.1
102.5°	104.9	104.9	104.9	107.8	110.8	116.6	125.3	131.2	137.0	139.9	137.0
105°	99.1	99.1	99.1	102.0	102.0	107.8	110.8	116.6	119.5	119.5	116.6
107.5°	96.2	96.2	99.1	99.1	99.1	102.0	107.8	107.8	110.8	107.8	107.8
110°	99.1	99.1	99.1	99.1	99.1	102.0	104.9	104.9	104.9	104.9	102.0



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	102.0	102.0	102.0	102.0	104.9	104.9	104.9	107.8	107.8	104.9	104.9
115°	110.8	110.8	110.8	110.8	110.8	113.7	113.7	113.7	113.7	110.8	107.8
117.5°	119.5	119.5	119.5	122.4	122.4	125.3	122.4	125.3	122.4	119.5	119.5
120°	134.1	134.1	137.0	139.9	142.8	142.8	139.9	142.8	142.8	137.0	134.1
122.5°	151.6	151.6	154.5	163.2	166.1	169.1	166.1	166.1	166.1	160.3	157.4
125°	169.1	172.0	177.8	189.5	198.2	204.0	198.2	201.1	201.1	192.4	189.5
127.5°	189.5	192.4	204.0	221.5	236.1	241.9	239.0	241.9	244.8	230.3	224.4
130°	209.9	209.9	227.4	253.6	274.0	282.7	285.7	288.6	291.5	276.9	265.2
132.5°	227.4	227.4	250.7	282.7	309.0	323.5	329.4	335.2	341.0	320.6	306.1
135°	239.0	241.9	271.1	309.0	341.0	361.4	370.2	376.0	384.8	361.4	344.0
137.5°	247.8	253.6	282.7	323.5	358.5	387.7	405.2	413.9	419.7	396.4	373.1
140°	250.7	253.6	285.7	326.5	361.4	393.5	419.7	434.3	437.2	413.9	390.6
142.5°	241.9	247.8	276.9	317.7	352.7	387.7	416.8	431.4	434.3	413.9	390.6
145°	230.3	233.2	259.4	297.3	332.3	370.2	402.2	416.8	416.8	399.3	376.0
147.5°	209.9	212.8	236.1	268.2	303.1	341.0	373.1	387.7	390.6	373.1	352.7
150°	180.7	183.6	201.1	227.4	262.3	300.2	329.4	346.9	346.9	329.4	314.8
152.5°	145.7	148.7	163.2	183.6	212.8	247.8	274.0	291.5	291.5	279.8	262.3
155°	113.7	113.7	125.3	142.8	163.2	189.5	209.9	224.4	227.4	215.7	204.0
157.5°	81.6	81.6	90.4	104.9	122.4	142.8	157.4	169.1	169.1	160.3	154.5
160°	55.4	55.4	61.2	70.0	81.6	96.2	107.8	119.5	119.5	113.7	107.8
162.5°	29.1	29.1	35.0	40.8	49.6	61.2	67.0	75.8	75.8	72.9	70.0
165°	8.7	8.7	11.7	14.6	20.4	26.2	29.1	35.0	37.9	35.0	32.1
167.5°	0.0	0.0	2.9	2.9	2.9	2.9	5.8	8.7	8.7	8.7	8.7
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°	6307.7	6307.7	6307.7	6307.7	6307.7	6307.7	6307.7	6307.7	6307.7	6307.7	6307.7
2.5°	5797.6	5981.2	6147.4	6319.4	6532.1	6718.7	6919.8	7062.6	7123.9	7123.9	7147.2
5°	5433.2	5561.5	5695.6	5847.2	6100.7	6412.6	6771.2	7065.6	7234.6	7260.8	7257.9
7.5°	4829.9	4917.3	5054.3	5223.4	5456.6	5736.4	6196.9	6657.5	6963.5	7018.9	6998.5
10°	4299.4	4381.0	4462.6	4526.7	4692.9	4914.4	5252.5	5701.4	6054.1	6109.5	6065.8
12.5°	4028.3	4054.5	4051.6	4089.5	4156.6	4267.3	4439.3	4698.7	4940.6	4993.1	4955.2
15°	3885.5	3847.6	3789.3	3722.2	3716.4	3733.9	3777.6	3882.6	3984.6	4028.3	3999.2
17.5°	3827.2	3736.8	3617.3	3486.1	3398.7	3317.1	3261.7	3226.7	3241.3	3244.2	3220.9
20°	3690.2	3582.3	3390.0	3203.4	3063.5	2920.7	2798.2	2707.9	2693.3	2678.7	2661.2
22.5°	3535.7	3352.1	3121.8	2894.4	2687.5	2498.0	2361.0	2253.2	2212.4	2226.9	2218.2
25°	3503.6	3197.6	2917.7	2550.5	2288.1	2075.4	1818.9	1644.0	1565.3	1609.0	1579.8
27.5°	2101.6	2110.3	1952.9	1731.4	1541.9	1416.6	1302.9	1209.7	1157.2	1157.2	1163.0
30°	1903.4	1818.9	1713.9	1576.9	1410.8	1285.4	1160.1	1058.1	1002.7	988.1	994.0
32.5°	1740.2	1681.9	1582.8	1451.6	1300.0	1171.8	1040.6	947.3	894.9	891.9	889.0
35°	1565.3	1504.1	1422.4	1308.8	1177.6	1058.1	944.4	862.8	816.2	819.1	819.1
37.5°	1445.8	1390.4	1317.5	1209.7	1090.1	970.6	868.6	792.8	754.9	754.9	752.0
40°	1384.5	1320.4	1241.7	1142.6	1031.9	906.5	810.3	737.5	705.4	705.4	702.5
42.5°	1250.5	1195.1	1142.6	1040.6	929.8	827.8	737.5	673.3	641.3	641.3	641.3
45°	1061.0	1028.9	988.1	918.2	827.8	743.3	667.5	606.3	580.1	577.1	577.1
47.5°	979.4	944.4	894.9	830.7	757.9	679.2	606.3	562.6	536.3	536.3	536.3
50°	956.1	915.3	848.2	772.4	696.6	626.7	562.6	521.8	498.4	498.4	501.4
52.5°	988.1	921.1	830.7	737.5	658.8	580.1	524.7	483.9	466.4	466.4	463.5
55°	1098.9	973.6	842.4	728.7	629.6	545.1	486.8	443.1	422.7	422.7	422.7
57.5°	1160.1	1011.4	851.1	717.0	603.4	518.8	457.6	411.0	390.6	390.6	390.6
60°	1090.1	967.7	816.2	693.7	583.0	495.5	431.4	387.7	367.3	364.4	361.4
62.5°	912.3	836.6	728.7	626.7	539.2	463.5	411.0	367.3	346.9	346.9	344.0
65°	813.2	749.1	655.8	568.4	495.5	431.4	381.8	346.9	326.5	323.5	323.5
67.5°	757.9	699.6	606.3	524.7	457.6	399.3	352.7	320.6	306.1	300.2	300.2
70°	696.6	632.5	550.9	478.0	416.8	364.4	326.5	294.4	279.8	276.9	274.0
72.5°	635.4	577.1	501.4	431.4	376.0	332.3	297.3	268.2	253.6	250.7	250.7
75°	571.3	515.9	443.1	384.8	338.1	297.3	265.2	241.9	230.3	227.4	224.4
77.5°	518.8	469.3	399.3	344.0	300.2	268.2	239.0	218.6	207.0	207.0	204.0
80°	469.3	422.7	355.6	306.1	268.2	236.1	212.8	195.3	186.5	183.6	183.6
82.5°	422.7	376.0	314.8	271.1	236.1	209.9	186.5	172.0	163.2	163.2	163.2
85°	378.9	335.2	279.8	239.0	207.0	183.6	163.2	148.7	142.8	139.9	142.8
87.5°	335.2	294.4	247.8	209.9	180.7	157.4	139.9	128.3	122.4	122.4	122.4
90°	294.4	256.5	212.8	177.8	154.5	134.1	119.5	107.8	104.9	102.0	102.0
92.5°	259.4	227.4	189.5	160.3	137.0	122.4	107.8	99.1	93.3	93.3	93.3
95°	227.4	198.2	169.1	142.8	125.3	110.8	99.1	90.4	87.4	87.4	87.4
97.5°	195.3	172.0	148.7	128.3	113.7	102.0	90.4	84.5	81.6	78.7	81.6
100°	163.2	145.7	128.3	113.7	102.0	90.4	81.6	75.8	72.9	72.9	72.9
102.5°	131.2	122.4	107.8	96.2	87.4	81.6	72.9	67.0	64.1	64.1	64.1
105°	113.7	104.9	96.2	87.4	81.6	72.9	67.0	61.2	58.3	58.3	58.3
107.5°	104.9	99.1	90.4	84.5	75.8	70.0	64.1	55.4	52.5	52.5	52.5
110°	102.0	96.2	90.4	81.6	75.8	70.0	64.1	52.5	49.6	49.6	49.6



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**CANDELA DISTRIBUTION (continued):**

	95°	105°	115°	125°	135°	145°	155°	165°	175°	179°	180°
112.5°	102.0	96.2	90.4	84.5	78.7	70.0	64.1	52.5	46.6	46.6	46.6
115°	107.8	102.0	96.2	90.4	81.6	72.9	67.0	52.5	46.6	46.6	46.6
117.5°	116.6	110.8	104.9	96.2	87.4	78.7	67.0	52.5	49.6	49.6	49.6
120°	131.2	125.3	116.6	107.8	96.2	84.5	72.9	55.4	46.6	49.6	49.6
122.5°	151.6	145.7	134.1	119.5	107.8	93.3	75.8	58.3	43.7	49.6	49.6
125°	180.7	172.0	154.5	137.0	119.5	102.0	81.6	61.2	46.6	52.5	52.5
127.5°	212.8	201.1	177.8	154.5	134.1	110.8	87.4	64.1	49.6	52.5	52.5
130°	250.7	230.3	201.1	172.0	145.7	119.5	93.3	67.0	52.5	52.5	52.5
132.5°	288.6	259.4	221.5	189.5	157.4	125.3	96.2	67.0	52.5	52.5	52.5
135°	320.6	285.7	241.9	201.1	163.2	128.3	99.1	67.0	52.5	52.5	52.5
137.5°	349.8	303.1	253.6	207.0	166.1	128.3	96.2	67.0	49.6	49.6	49.6
140°	364.4	311.9	259.4	207.0	163.2	125.3	90.4	61.2	46.6	46.6	46.6
142.5°	364.4	309.0	253.6	201.1	157.4	119.5	84.5	58.3	40.8	43.7	43.7
145°	352.7	297.3	241.9	189.5	145.7	107.8	75.8	49.6	37.9	37.9	37.9
147.5°	326.5	274.0	221.5	172.0	131.2	93.3	67.0	43.7	32.1	29.1	32.1
150°	291.5	241.9	192.4	148.7	110.8	78.7	55.4	35.0	26.2	26.2	26.2
152.5°	244.8	201.1	160.3	122.4	87.4	61.2	40.8	26.2	20.4	20.4	20.4
155°	192.4	157.4	125.3	93.3	67.0	46.6	32.1	20.4	14.6	14.6	14.6
157.5°	145.7	119.5	93.3	67.0	49.6	35.0	23.3	14.6	11.7	11.7	11.7
160°	102.0	81.6	64.1	46.6	32.1	23.3	14.6	8.7	5.8	5.8	5.8
162.5°	64.1	52.5	40.8	26.2	20.4	14.6	8.7	5.8	2.9	2.9	2.9
165°	29.1	26.2	17.5	11.7	8.7	5.8	2.9	2.9	0.0	0.0	0.0
167.5°	8.7	5.8	5.8	2.9	2.9	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)