

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: P691803

Luminaire Tested: **CRTK2-C01H-5TLD-U-T3-7050**

Issue Date: 6/13/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P691803  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-9)  
Test Lab: INNOVATION CENTER  
Issue Date: 6/13/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: CRTK2-C01H-5TLD-U-T3-7050  
Description: CARETAKER AREA AND ROADWAY LUMINAIRE  
(1) 70 CRI, 5000K LED WITH TYPE III OPTIC  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 10324 lumens  
Efficiency: N/A  
Efficacy: 137.8 lumens/watt  
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.08')  
IES Classification: Type III - Medium  
BUG Rating: B2 - U3 - G2

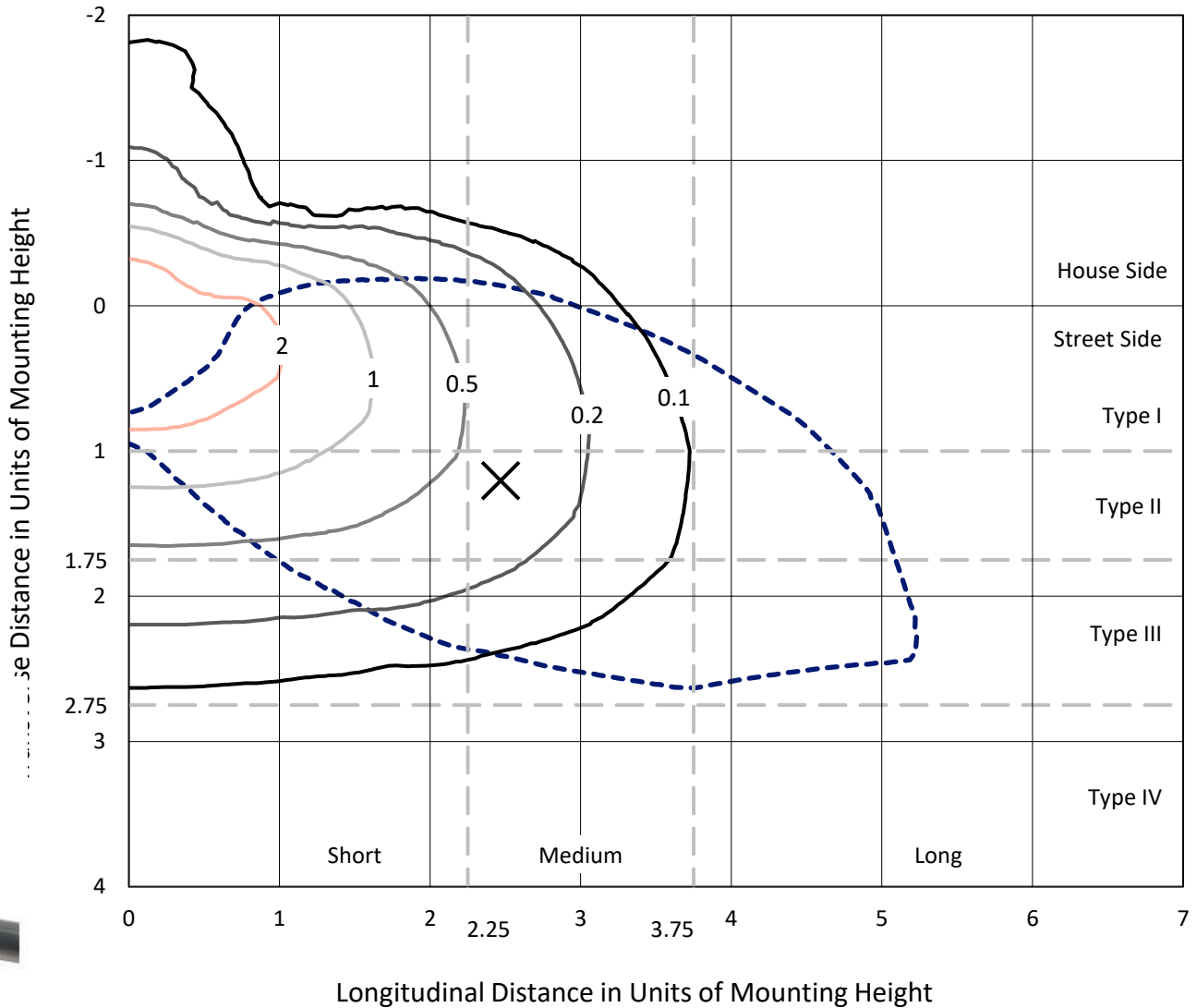
Input Watts (W): 74.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

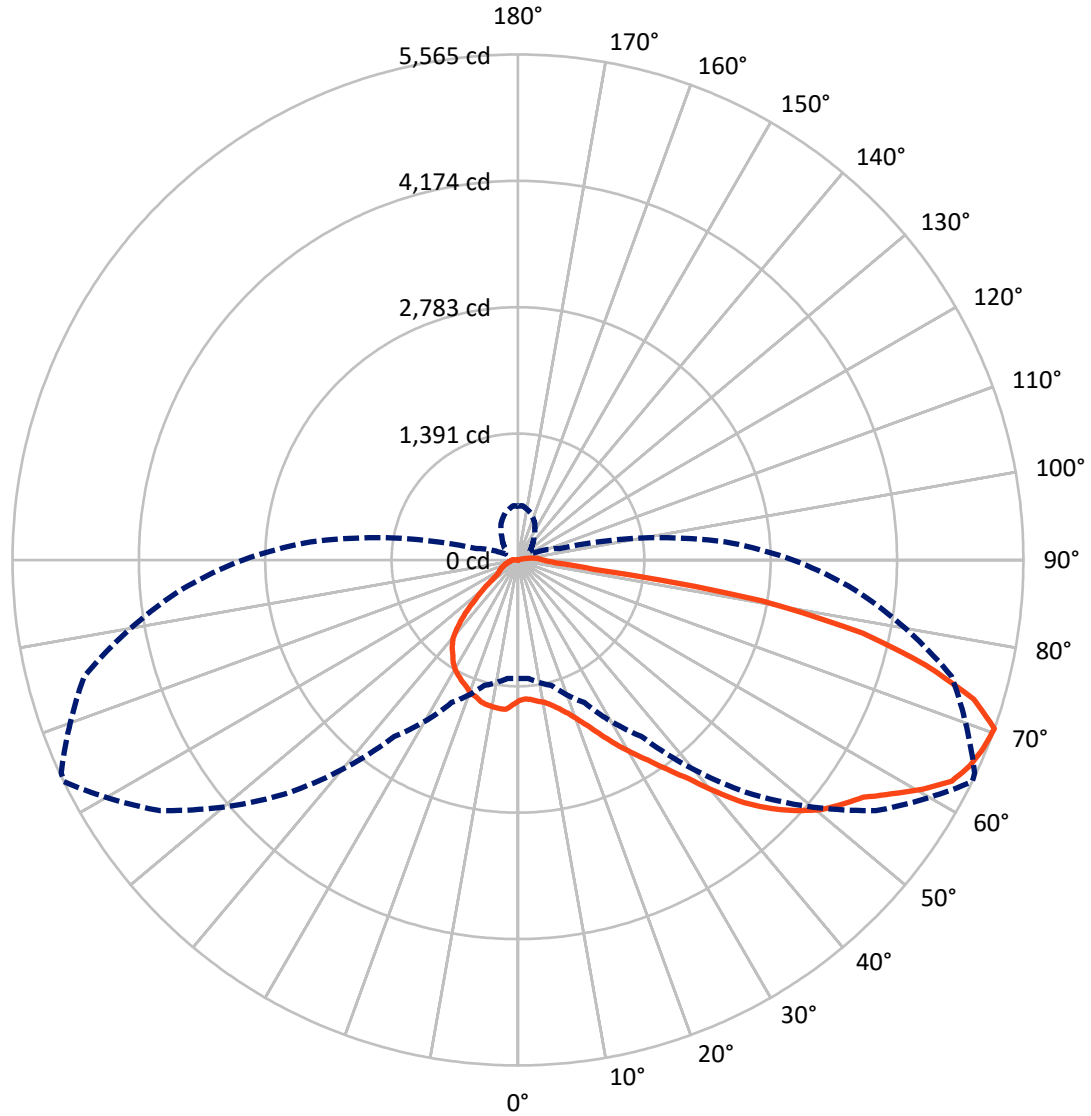
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.8 fc  
 Type III - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 64-Deg Lateral    - - - Horizontal Cone Through 70-Deg Vertical

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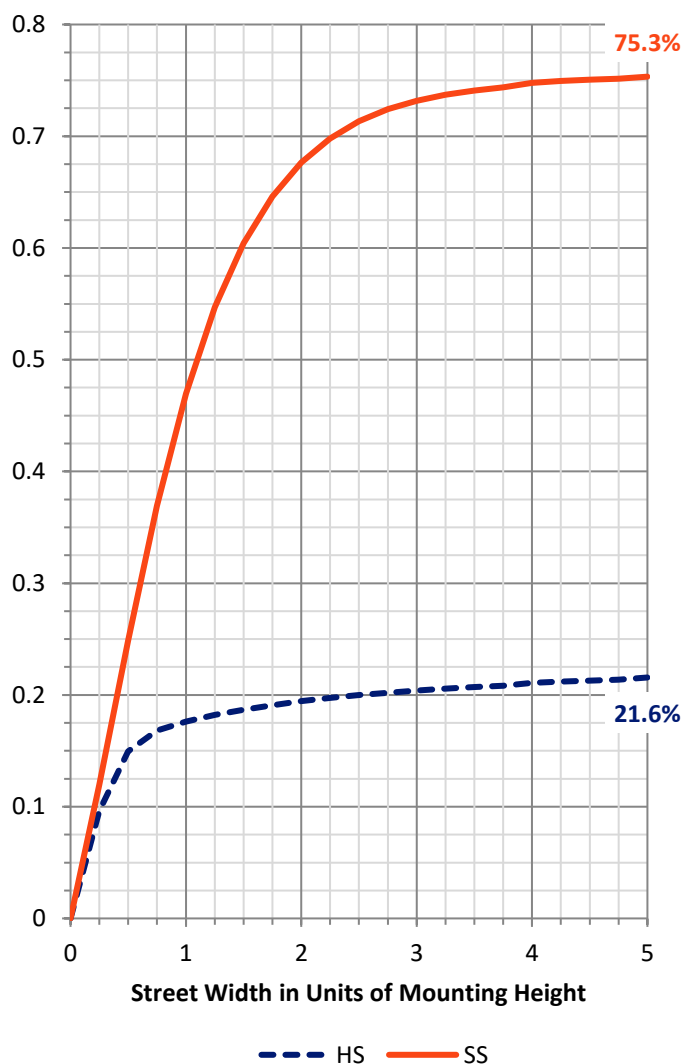
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2353.6	63.8	2417.3
	% Fixture	22.8	0.6	23.4
<b>Street Side</b>	Lumens	7824.3	82.4	7906.7
	% Fixture	75.8	0.8	76.6
<b>Total</b>	Lumens	10177.9	146.1	10324.0
	% Fixture	98.6	1.4	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	154.4	1.5
10°-20°	480.7	4.7
20°-30°	833.9	8.1
30°-40°	1210.1	11.7
40°-50°	1623.9	15.7
50°-60°	1963.5	19.0
60°-70°	2113.5	20.5
70°-80°	1451.6	14.1
80°-90°	346.4	3.4
90°-100°	125.4	1.2
100°-110°	15.7	0.2
110°-120°	1.1	0.0
120°-130°	1.1	0.0
130°-140°	0.9	0.0
140°-150°	0.8	0.0
150°-160°	0.6	0.0
160°-170°	0.4	0.0
170°-180°	0.1	0.0
0°-90°	10177.9	98.6
0°-180°	10324.0	100.0

**Coefficient of Utilization**

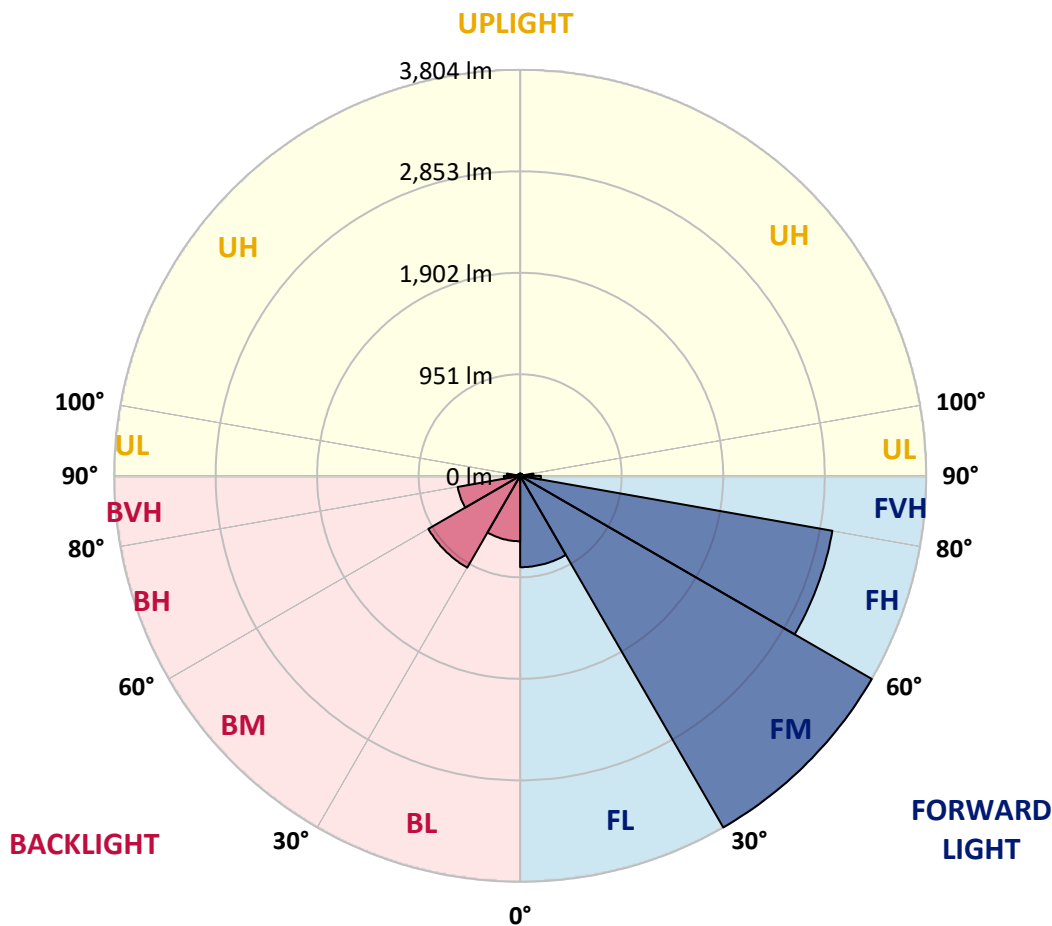


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	856.0	8.3			
FM (30°-60°)	3804.1	36.8			
FH (60°-80°)	2970.4	28.8			G2/5000
FVH (80°-90°)	193.8	1.9			G2/225
BL (0°-30°)	612.9	5.9	B2/1000		
BM (30°-60°)	993.3	9.6	B1/1000		
BH (60°-80°)	594.7	5.8	B2/1000		G2/1000
BVH (80°-90°)	152.6	1.5			G2/225
UL (90°-100°)	125.4	1.2		U3/500	
UH (100°-180°)	20.8	0.2		U2/50	

**BUG Rating: B2-U3-G2**  
 Type III Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	1549.4	1549.4	1549.4	1549.4	1549.4	1549.4	1549.4	1549.4	1549.4	1549.4	1549.4
2.5°	1535.9	1535.9	1532.5	1532.5	1535.9	1539.3	1535.9	1532.5	1535.9	1539.3	1549.4
5°	1596.8	1593.4	1590.0	1576.5	1562.9	1552.8	1546.0	1542.6	1546.0	1559.6	1583.2
7.5°	1637.4	1634.0	1634.0	1630.6	1617.1	1590.0	1573.1	1569.7	1569.7	1573.1	1603.5
10°	1721.9	1715.2	1701.6	1678.0	1664.4	1630.6	1600.1	1593.4	1593.4	1600.1	1637.4
12.5°	1813.3	1799.7	1803.1	1776.1	1735.5	1698.3	1654.3	1637.4	1630.6	1637.4	1657.7
15°	1938.4	1928.3	1901.2	1870.8	1830.2	1779.4	1725.3	1698.3	1694.9	1705.0	1688.1
17.5°	2029.8	2016.3	2019.6	1975.7	1941.8	1874.2	1823.4	1772.7	1772.7	1786.2	1742.2
20°	2124.5	2117.7	2127.9	2117.7	2067.0	2006.1	1931.7	1870.8	1860.6	1867.4	1803.1
22.5°	2246.3	2236.1	2236.1	2239.5	2198.9	2138.0	2050.1	1989.2	1985.8	1958.7	1870.8
25°	2371.5	2361.3	2357.9	2364.7	2357.9	2286.9	2195.5	2134.7	2124.5	2087.3	1962.1
27.5°	2489.9	2489.9	2493.3	2500.0	2510.2	2452.7	2364.7	2297.0	2297.0	2256.4	2083.9
30°	2577.8	2577.8	2608.3	2621.8	2632.0	2618.4	2523.7	2459.4	2466.2	2412.1	2222.6
32.5°	2659.0	2662.4	2696.2	2730.1	2740.2	2750.4	2669.2	2628.6	2628.6	2577.8	2371.5
35°	2740.2	2740.2	2787.6	2855.2	2889.1	2878.9	2841.7	2828.2	2831.5	2821.4	2591.4
37.5°	2804.5	2811.3	2882.3	2966.9	3014.2	3031.1	3010.8	3054.8	3095.4	3125.9	2878.9
40°	2868.8	2868.8	2936.4	3027.8	3112.3	3159.7	3186.8	3352.5	3383.0	3393.1	3041.3
42.5°	2801.1	2818.0	2960.1	3095.4	3203.7	3284.9	3406.7	3653.6	3690.8	3575.8	3261.2
45°	2736.8	2757.1	2899.2	3125.9	3281.5	3443.9	3653.6	3904.0	3934.4	3761.9	3393.1
47.5°	2672.5	2696.2	2851.8	3098.8	3352.5	3619.8	3846.4	4123.8	4137.4	3914.1	3542.0
50°	2604.9	2628.6	2794.3	3068.4	3396.5	3799.1	4039.3	4323.4	4323.4	4049.4	3629.9
52.5°	2520.3	2547.4	2716.5	3021.0	3430.3	3920.9	4215.2	4468.9	4441.8	4211.8	3728.0
55°	2412.1	2449.3	2628.6	2953.3	3443.9	3985.1	4326.8	4611.0	4604.2	4411.4	3853.2
57.5°	2297.0	2327.5	2520.3	2865.4	3430.3	4029.1	4445.2	4857.9	4868.1	4583.9	3951.3
60°	2168.5	2188.8	2374.8	2743.6	3342.4	4106.9	4712.5	5121.8	5135.4	4742.9	3988.5
62.5°	1999.3	2012.9	2188.8	2577.8	3224.0	4157.7	4905.3	5362.0	5355.2	4885.0	3995.3
65°	1786.2	1803.1	1968.9	2357.9	3048.1	4123.8	4952.7	5466.9	5473.7	4952.7	3985.1
67.5°	1579.8	1590.0	1728.7	2067.0	2763.9	3961.5	4905.3	5527.8	5558.2	5010.2	3887.0
70°	1305.8	1309.2	1431.0	1732.1	2371.5	3650.2	4810.6	5565.0	5548.1	4942.5	3717.9
72.5°	1004.7	1008.1	1099.5	1326.1	1843.7	3109.0	4475.7	5250.4	5219.9	4570.4	3352.5
75°	713.8	727.3	781.5	930.3	1234.8	2270.0	3829.5	4648.2	4668.5	4066.3	2794.3
77.5°	406.0	419.5	463.5	581.9	710.4	1272.0	2892.4	3876.9	3890.4	3420.2	2144.8
80°	175.9	179.3	196.2	277.4	378.9	608.9	1481.7	2716.5	2912.7	2324.1	1224.6
82.5°	148.9	148.9	155.6	162.4	165.8	277.4	575.1	842.4	869.4	686.7	399.2
85°	128.6	128.6	135.3	142.1	145.5	189.4	348.4	422.9	439.8	392.4	280.8
87.5°	101.5	101.5	111.6	118.4	118.4	155.6	260.5	314.6	324.8	314.6	250.3
90°	91.3	91.3	88.0	88.0	91.3	111.6	203.0	263.9	274.0	334.9	287.6
92.5°	77.8	81.2	81.2	81.2	71.0	81.2	145.5	233.4	253.7	331.5	260.5
95°	77.8	74.4	74.4	71.0	67.7	71.0	108.3	203.0	226.7	287.6	219.9
97.5°	54.1	50.7	54.1	57.5	60.9	64.3	91.3	148.9	165.8	223.3	162.4
100°	33.8	33.8	33.8	33.8	40.6	44.0	74.4	91.3	101.5	142.1	108.3
102.5°	20.3	16.9	16.9	16.9	20.3	27.1	37.2	50.7	54.1	81.2	64.3
105°	6.8	6.8	6.8	6.8	10.1	13.5	13.5	20.3	20.3	27.1	27.1
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4	3.4
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4	3.4



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4	3.4
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4	3.4
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4	3.4
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4	3.4
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4	3.4
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4	3.4
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4	3.4
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4	3.4
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4	3.4
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4	3.4
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4	3.4
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4	0.0	3.4	3.4
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4	3.4	3.4	3.4
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4	3.4
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4	3.4	3.4
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4	3.4	3.4	3.4
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4	3.4	3.4	3.4
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4	3.4	3.4
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4	3.4	3.4	3.4
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4	3.4	3.4	3.4
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4	3.4	3.4	3.4
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4	3.4	3.4
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4	3.4
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4	3.4	3.4	3.4
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4	0.0	3.4	3.4
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4	3.4
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4	3.4	3.4	3.4
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):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1549.4	1549.4	1549.4	1549.4	1549.4	1549.4	1549.4	1549.4	1549.4	1549.4	1549.4
2.5°	1556.2	1562.9	1576.5	1593.4	1613.7	1630.6	1644.1	1647.5	1654.3	1654.3	1661.0
5°	1590.0	1603.5	1623.8	1647.5	1657.7	1650.9	1650.9	1654.3	1661.0	1678.0	1684.7
7.5°	1627.2	1637.4	1637.4	1647.5	1667.8	1661.0	1657.7	1654.3	1654.3	1647.5	1657.7
10°	1640.7	1627.2	1644.1	1640.7	1634.0	1647.5	1650.9	1630.6	1634.0	1634.0	1637.4
12.5°	1644.1	1644.1	1630.6	1630.6	1630.6	1600.1	1593.4	1610.3	1593.4	1600.1	1596.8
15°	1681.3	1654.3	1637.4	1617.1	1590.0	1579.8	1556.2	1529.1	1529.1	1535.9	1535.9
17.5°	1708.4	1681.3	1630.6	1576.5	1566.3	1519.0	1502.0	1495.3	1491.9	1495.3	1502.0
20°	1749.0	1708.4	1623.8	1569.7	1481.7	1464.8	1434.4	1431.0	1424.2	1400.6	1393.8
22.5°	1803.1	1738.8	1620.4	1512.2	1441.1	1383.6	1329.5	1295.7	1292.3	1275.4	1265.2
25°	1864.0	1799.7	1634.0	1485.1	1366.7	1282.1	1238.2	1160.4	1123.1	1136.7	1129.9
27.5°	1989.2	1870.8	1657.7	1447.9	1305.8	1173.9	1072.4	1025.0	977.7	977.7	984.4
30°	2104.2	1962.1	1657.7	1414.1	1204.3	1045.3	913.4	839.0	818.7	805.1	798.4
32.5°	2276.7	2077.1	1728.7	1366.7	1109.6	879.6	730.7	642.8	646.1	659.7	656.3
35°	2476.3	2259.8	1749.0	1299.1	970.9	713.8	565.0	517.6	544.7	551.4	551.4
37.5°	2716.5	2483.1	1840.3	1244.9	825.4	527.7	446.6	426.3	449.9	446.6	460.1
40°	2848.5	2591.4	1918.1	1177.3	632.6	389.0	345.1	331.5	368.7	399.2	406.0
42.5°	3034.5	2719.9	1992.6	1048.7	429.6	284.2	263.9	307.9	362.0	395.8	399.2
45°	3136.0	2794.3	1962.1	889.7	274.0	230.0	257.1	311.2	368.7	402.6	406.0
47.5°	3257.8	2892.4	1908.0	693.5	219.9	226.7	260.5	318.0	378.9	409.3	409.3
50°	3379.6	2990.5	1776.1	544.7	206.4	223.3	267.3	321.4	375.5	395.8	395.8
52.5°	3450.6	3075.1	1620.4	395.8	203.0	223.3	270.6	324.8	372.1	382.3	382.3
55°	3514.9	3081.9	1485.1	294.3	199.6	226.7	274.0	331.5	375.5	385.7	382.3
57.5°	3552.1	3037.9	1390.4	253.7	196.2	226.7	277.4	338.3	402.6	426.3	419.5
60°	3531.8	2970.3	1319.4	236.8	192.8	226.7	280.8	358.6	510.8	551.4	537.9
62.5°	3498.0	2922.9	1170.5	216.5	186.1	226.7	284.2	406.0	568.3	588.6	571.7
65°	3454.0	2784.2	1001.4	196.2	179.3	223.3	287.6	439.8	541.3	541.3	537.9
67.5°	3271.3	2598.1	747.6	175.9	169.1	223.3	294.3	433.0	521.0	565.0	565.0
70°	3027.8	2286.9	493.9	155.6	159.0	216.5	307.9	439.8	537.9	598.8	592.0
72.5°	2564.3	1897.8	274.0	135.3	145.5	213.1	307.9	466.9	581.9	649.5	639.4
75°	2094.1	1403.9	196.2	121.8	131.9	206.4	311.2	483.8	622.5	693.5	676.6
77.5°	1475.0	805.1	155.6	104.9	118.4	196.2	307.9	477.0	642.8	707.0	686.7
80°	622.5	290.9	128.6	94.7	101.5	175.9	284.2	456.7	642.8	747.6	737.5
82.5°	280.8	206.4	111.6	84.6	94.7	145.5	263.9	439.8	622.5	751.0	811.9
85°	219.9	169.1	94.7	74.4	84.6	138.7	236.8	419.5	595.4	693.5	761.2
87.5°	209.7	169.1	84.6	67.7	77.8	118.4	182.7	389.0	534.5	639.4	693.5
90°	226.7	175.9	67.7	57.5	71.0	104.9	148.9	328.1	463.5	561.6	561.6
92.5°	209.7	162.4	50.7	44.0	74.4	84.6	142.1	203.0	334.9	280.8	348.4
95°	175.9	135.3	33.8	30.4	71.0	71.0	77.8	94.7	233.4	6.8	0.0
97.5°	128.6	98.1	20.3	16.9	54.1	57.5	37.2	44.0	94.7	0.0	0.0
100°	94.7	64.3	13.5	13.5	33.8	47.4	23.7	23.7	0.0	0.0	0.0
102.5°	50.7	33.8	10.1	6.8	16.9	27.1	10.1	6.8	0.0	0.0	0.0
105°	27.1	13.5	3.4	3.4	3.4	3.4	0.0	0.0	0.0	0.0	0.0
107.5°	6.8	3.4	3.4	3.4	3.4	0.0	0.0	0.0	0.0	0.0	0.0
110°	3.4	3.4	3.4	3.4	3.4	0.0	0.0	0.0	0.0	0.0	0.0



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	3.4	3.4	3.4	3.4	3.4	0.0	0.0	0.0	0.0	0.0	0.0
115°	3.4	3.4	3.4	3.4	3.4	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	3.4	3.4	3.4	3.4	3.4	0.0	0.0	0.0	0.0	0.0	0.0
120°	3.4	3.4	3.4	3.4	3.4	3.4	0.0	0.0	0.0	0.0	0.0
122.5°	3.4	3.4	3.4	3.4	3.4	0.0	0.0	0.0	0.0	0.0	0.0
125°	3.4	3.4	3.4	3.4	3.4	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	3.4	3.4	3.4	3.4	3.4	3.4	0.0	0.0	0.0	0.0	0.0
130°	3.4	3.4	3.4	3.4	3.4	3.4	0.0	0.0	0.0	0.0	0.0
132.5°	3.4	3.4	3.4	3.4	3.4	3.4	0.0	0.0	0.0	0.0	0.0
135°	3.4	3.4	3.4	3.4	3.4	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	3.4	3.4	3.4	3.4	3.4	0.0	0.0	0.0	0.0	0.0	0.0
140°	3.4	3.4	3.4	3.4	3.4	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	3.4	3.4	3.4	3.4	3.4	0.0	0.0	0.0	0.0	0.0	0.0
145°	3.4	3.4	3.4	3.4	3.4	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	3.4	3.4	3.4	3.4	3.4	0.0	0.0	0.0	0.0	0.0	0.0
150°	3.4	3.4	3.4	3.4	3.4	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	3.4	3.4	3.4	3.4	3.4	0.0	0.0	0.0	0.0	0.0	0.0
155°	3.4	3.4	3.4	3.4	3.4	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	3.4	3.4	3.4	3.4	3.4	0.0	0.0	0.0	0.0	0.0	0.0
160°	3.4	3.4	3.4	3.4	3.4	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	3.4	3.4	3.4	3.4	3.4	0.0	0.0	0.0	0.0	0.0	0.0
165°	3.4	3.4	3.4	3.4	3.4	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	3.4	3.4	3.4	3.4	3.4	0.0	0.0	0.0	0.0	0.0	0.0
170°	3.4	3.4	3.4	3.4	3.4	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	3.4	3.4	3.4	3.4	3.4	0.0	0.0	0.0	0.0	0.0	0.0
175°	3.4	3.4	3.4	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	3.4	3.4	3.4	3.4	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)