

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: P691771

Luminaire Tested: **CRTK2-C01H-5TLD-U-T2-7050**

Issue Date: 6/13/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P691771  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 6/13/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: CRTK2-C01H-5TLD-U-T2-7050  
Description: CARETAKER AREA AND ROADWAY LUMINAIRE  
(1) 70 CRI, 5000K LED WITH TYPE II OPTIC  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 10186 lumens  
Efficiency: N/A  
Efficacy: 136.0 lumens/watt  
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.08')  
IES Classification: Type II - Short  
BUG Rating: B2 - U3 - G2

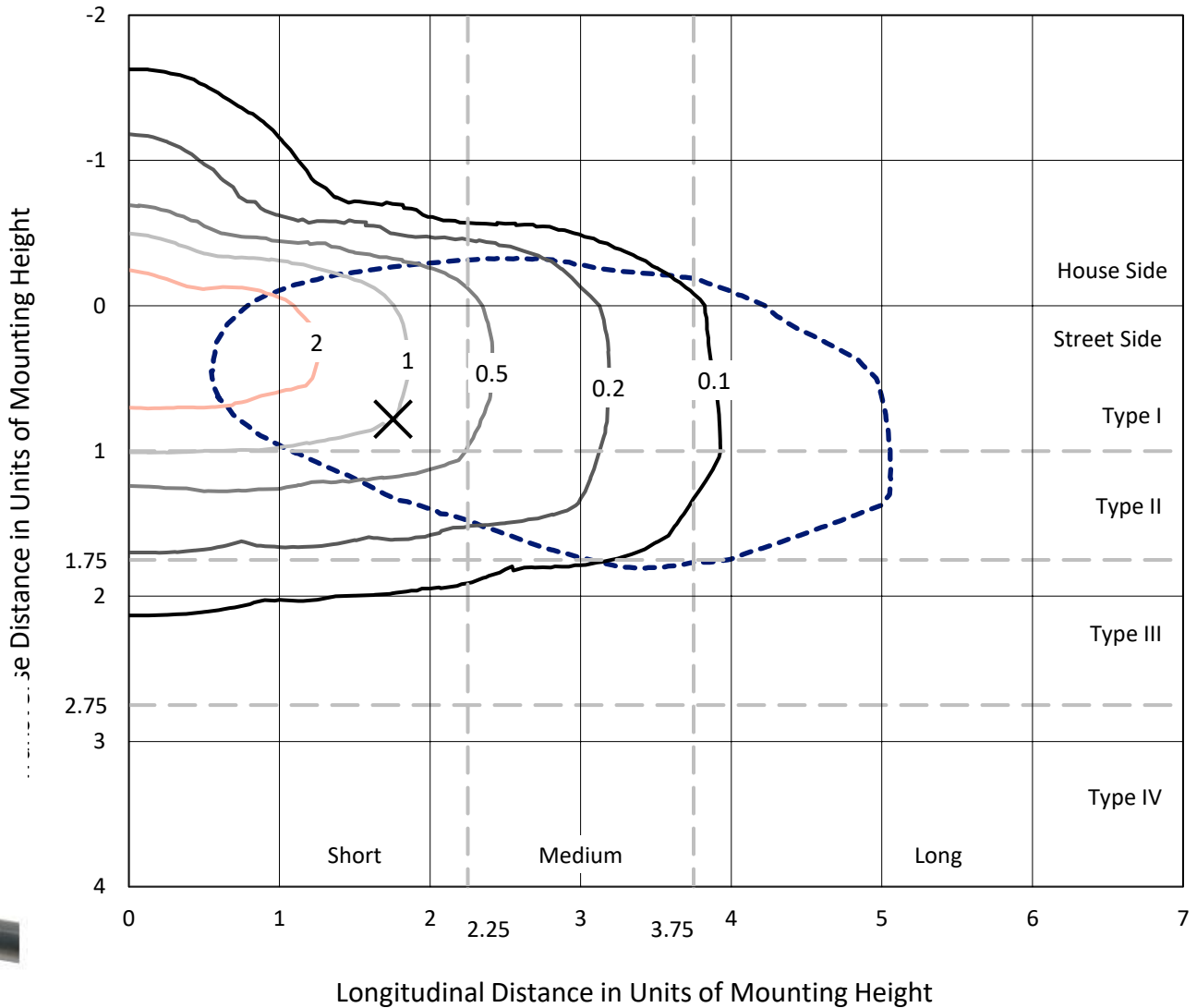
Input Watts (W): 74.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

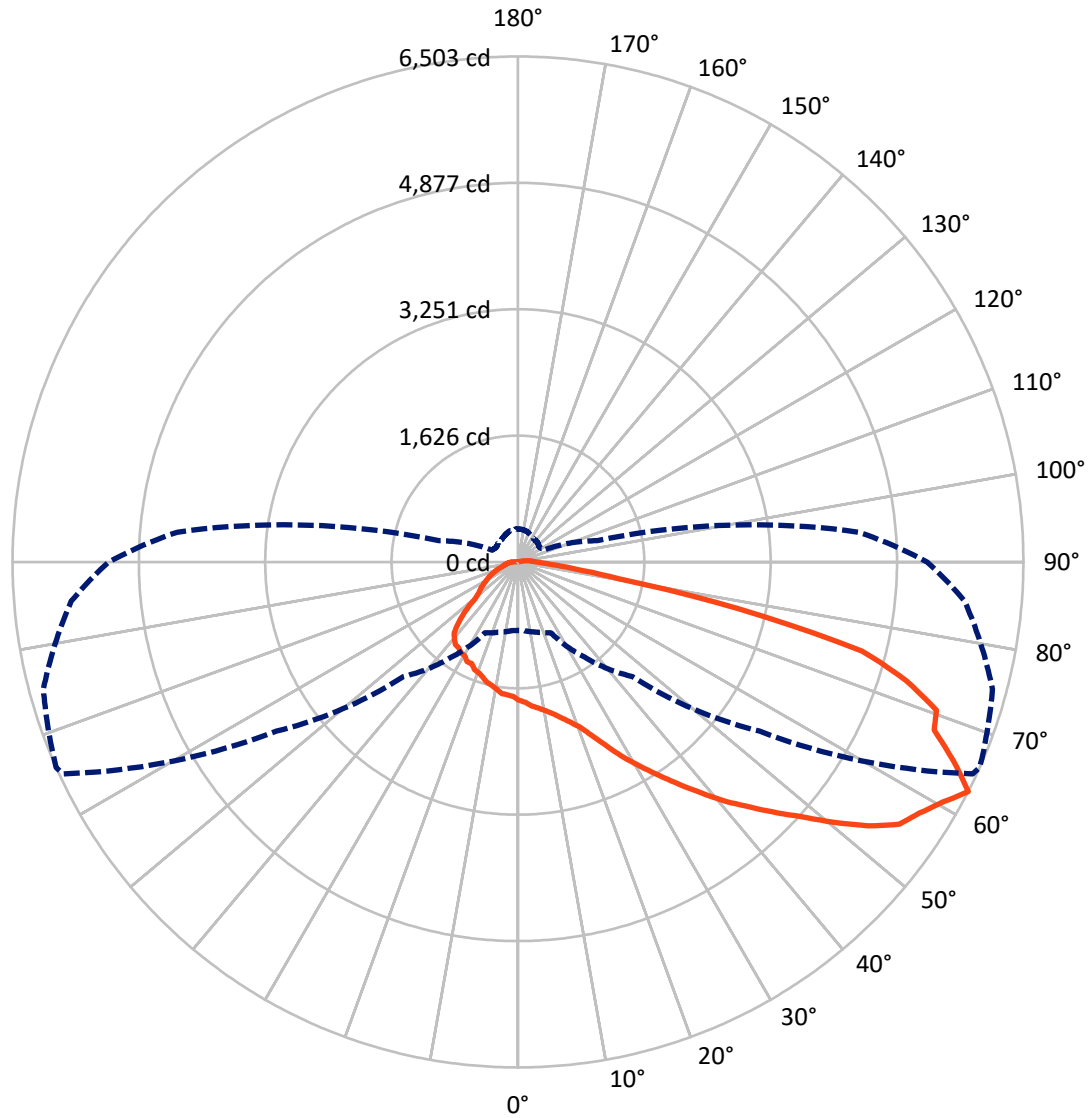
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.2 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral    - - - Horizontal Cone Through 62.5-Deg Vertical

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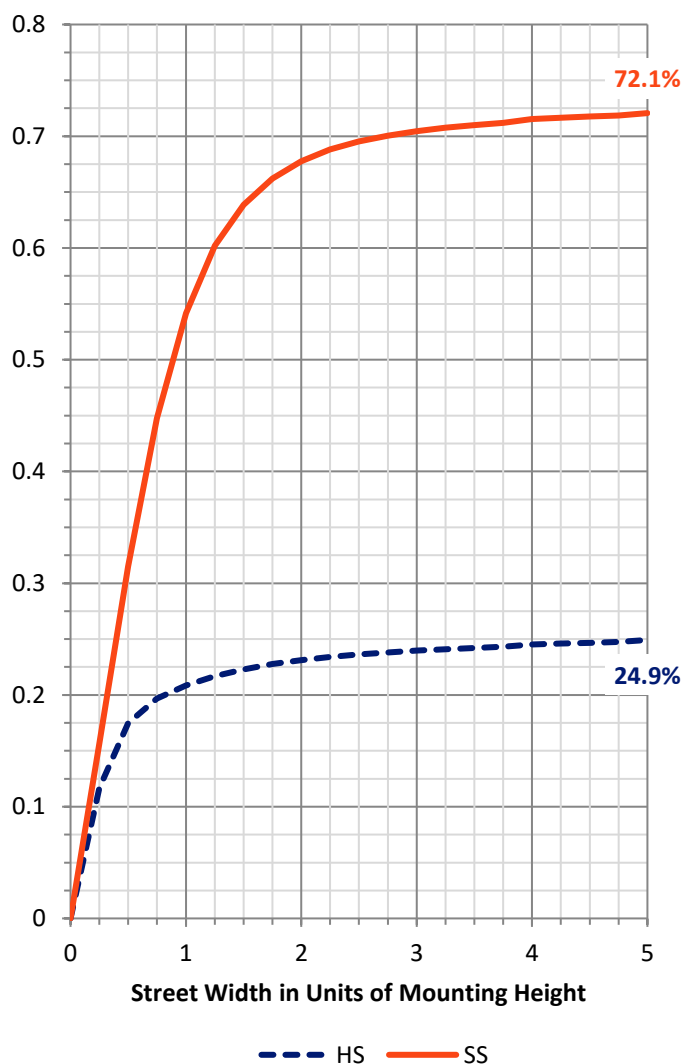
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2651.3	73.3	2724.6
	% Fixture	26.0	0.7	26.7
<b>Street Side</b>	Lumens	7388.9	72.5	7461.4
	% Fixture	72.5	0.7	73.3
<b>Total</b>	Lumens	10040.2	145.8	10186.0
	% Fixture	98.6	1.4	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	171.1	1.7
10°-20°	512.1	5.0
20°-30°	866.6	8.5
30°-40°	1267.9	12.4
40°-50°	1657.3	16.3
50°-60°	1928.4	18.9
60°-70°	1929.3	18.9
70°-80°	1331.2	13.1
80°-90°	376.3	3.7
90°-100°	124.0	1.2
100°-110°	17.0	0.2
110°-120°	1.0	0.0
120°-130°	1.0	0.0
130°-140°	1.0	0.0
140°-150°	0.8	0.0
150°-160°	0.6	0.0
160°-170°	0.3	0.0
170°-180°	0.1	0.0
0°-90°	10040.2	98.6
0°-180°	10186.0	100.0

**Coefficient of Utilization**

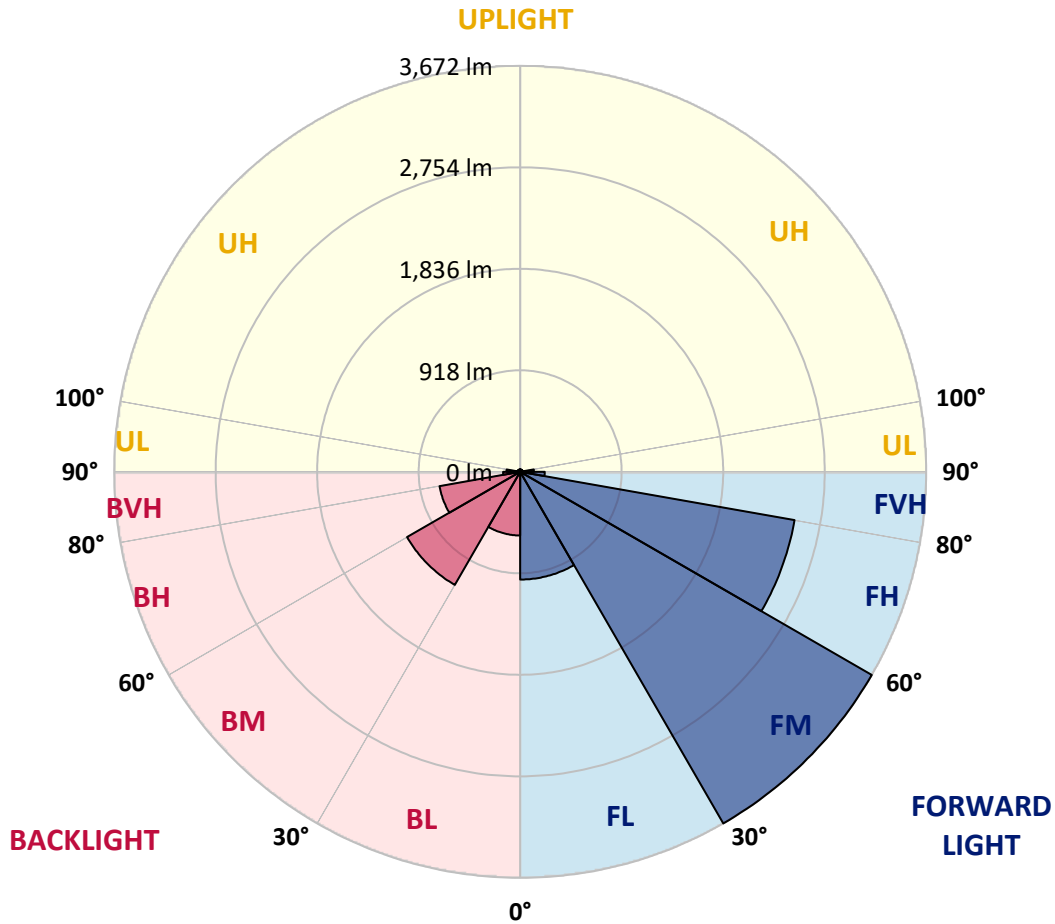


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	974.4	9.6			
FM (30°-60°)	3672.3	36.1			
FH (60°-80°)	2520.0	24.7			G2/5000
FVH (80°-90°)	222.2	2.2			G2/225
BL (0°-30°)	575.4	5.6	B2/1000		
BM (30°-60°)	1181.3	11.6	B2/2500		
BH (60°-80°)	740.6	7.3	B2/1000		G2/1000
BVH (80°-90°)	154.0	1.5			G2/225
UL (90°-100°)	124.0	1.2		U3/500	
UH (100°-180°)	21.8	0.2		U2/50	

**BUG Rating: B2-U3-G2**  
 Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	1779.7	1779.7	1779.7	1779.7	1779.7	1779.7	1779.7	1779.7	1779.7	1779.7	1779.7
2.5°	1871.0	1867.6	1867.6	1850.7	1833.8	1830.4	1820.3	1806.7	1806.7	1796.6	1779.7
5°	1982.7	1979.3	1982.7	1959.0	1935.3	1915.0	1881.2	1864.3	1860.9	1837.2	1803.4
7.5°	2060.5	2057.1	2053.7	2033.4	2023.3	2003.0	1955.6	1904.9	1898.1	1874.4	1830.4
10°	2091.0	2094.3	2111.3	2077.4	2057.1	2040.2	2013.1	1952.2	1945.5	1891.3	1823.7
12.5°	2172.2	2175.5	2165.4	2124.8	2118.0	2104.5	2060.5	2009.7	2003.0	1935.3	1840.6
15°	2256.7	2256.7	2243.2	2219.5	2202.6	2189.1	2134.9	2080.8	2077.4	1996.2	1884.6
17.5°	2294.0	2300.7	2304.1	2273.7	2266.9	2263.5	2236.4	2168.8	2162.0	2084.2	1945.5
20°	2317.6	2321.0	2324.4	2321.0	2324.4	2321.0	2334.6	2280.4	2263.5	2182.3	2013.1
22.5°	2365.0	2371.8	2395.5	2395.5	2405.6	2429.3	2419.1	2425.9	2419.1	2321.0	2128.2
25°	2388.7	2398.8	2429.3	2466.5	2510.5	2537.6	2574.8	2601.8	2605.2	2517.3	2304.1
27.5°	2351.5	2375.2	2453.0	2510.5	2612.0	2683.0	2771.0	2815.0	2821.8	2737.2	2493.6
30°	2398.8	2398.8	2446.2	2527.4	2652.6	2818.4	2953.7	3021.4	3028.2	2963.9	2683.0
32.5°	2310.9	2331.2	2439.4	2595.1	2774.4	2963.9	3095.8	3227.8	3244.7	3224.4	2953.7
35°	2300.7	2310.9	2378.5	2540.9	2781.2	3099.2	3281.9	3454.5	3488.3	3495.1	3214.2
37.5°	2206.0	2219.5	2344.7	2547.7	2875.9	3193.9	3427.4	3711.6	3742.1	3789.4	3440.9
40°	2087.6	2107.9	2209.4	2436.1	2848.8	3305.6	3583.0	3982.3	4026.3	4083.8	3738.7
42.5°	1931.9	1969.1	2141.7	2385.3	2835.3	3342.8	3731.9	4253.0	4293.6	4354.5	3989.0
45°	1800.0	1810.1	1948.8	2202.6	2727.0	3393.6	3870.6	4557.5	4584.5	4615.0	4192.1
47.5°	1681.6	1701.9	1820.3	2057.1	2612.0	3383.4	3992.4	4845.1	4892.4	4983.8	4439.0
50°	1329.7	1377.1	1712.0	1931.9	2436.1	3353.0	4093.9	5183.4	5261.2	5295.0	4719.9
52.5°	1150.4	1163.9	1333.1	1810.1	2239.8	3251.5	4181.9	5552.2	5640.2	5562.3	5058.2
55°	1062.4	1075.9	1153.7	1563.1	2087.6	3045.1	4249.6	5900.7	5954.8	5772.1	5308.6
57.5°	1015.0	1025.2	1065.8	1265.4	1901.5	2716.9	4256.3	6073.2	6093.5	5937.9	5437.1
60°	933.8	944.0	1015.0	1103.0	1695.1	2368.4	4137.9	6171.4	6276.2	6140.9	5684.1
62.5°	879.7	886.5	933.8	1004.9	1495.5	2084.2	3792.8	6452.2	6502.9	6320.2	5768.7
65°	812.0	818.8	862.8	927.1	1366.9	1925.2	3643.9	6337.1	6151.0	6276.2	5880.4
67.5°	734.2	744.4	785.0	839.1	1153.7	1769.5	3214.2	5907.4	5775.5	6052.9	5589.4
70°	663.1	669.9	713.9	744.4	947.4	1566.5	2669.5	5572.5	5711.2	5707.8	5325.5
72.5°	585.3	592.1	629.3	656.4	791.7	1326.3	2118.0	5186.8	5227.4	5081.9	4713.1
75°	504.1	507.5	541.3	568.4	649.6	1062.4	1546.2	4290.2	4571.0	4858.6	4077.0
77.5°	406.0	416.2	443.2	456.8	521.0	849.2	1008.3	2540.9	2903.0	4273.3	3643.9
80°	304.5	304.5	324.8	331.6	385.7	632.7	636.1	1224.8	1316.1	2716.9	2706.7
82.5°	192.9	203.0	223.3	219.9	260.5	362.0	402.6	680.1	730.8	1075.9	1201.1
85°	155.6	159.0	172.6	162.4	172.6	196.2	226.7	429.7	446.6	656.4	653.0
87.5°	128.6	132.0	142.1	135.3	138.7	148.9	175.9	287.6	294.4	422.9	436.5
90°	98.1	101.5	115.0	111.7	108.3	121.8	145.5	219.9	230.1	335.0	358.6
92.5°	64.3	64.3	74.4	74.4	74.4	88.0	128.6	169.2	175.9	304.5	321.4
95°	47.4	47.4	50.8	54.1	50.8	64.3	94.7	152.3	165.8	284.2	277.4
97.5°	30.5	30.5	33.8	37.2	33.8	40.6	54.1	108.3	121.8	219.9	216.5
100°	20.3	20.3	20.3	20.3	20.3	20.3	30.5	71.1	81.2	138.7	135.3
102.5°	13.5	13.5	13.5	13.5	10.2	10.2	13.5	33.8	37.2	74.4	71.1
105°	3.4	3.4	6.8	6.8	6.8	3.4	3.4	13.5	16.9	30.5	30.5
107.5°	0.0	0.0	0.0	3.4	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	0.0	0.0



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	3.4	0.0	0.0	0.0	0.0	0.0	0.0	3.4
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	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	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





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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1779.7	1779.7	1779.7	1779.7	1779.7	1779.7	1779.7	1779.7	1779.7	1779.7	1779.7
2.5°	1772.9	1762.8	1745.8	1728.9	1718.8	1708.6	1691.7	1678.2	1678.2	1695.1	1695.1
5°	1779.7	1759.4	1725.5	1712.0	1695.1	1671.4	1644.3	1624.0	1613.9	1627.4	1630.8
7.5°	1796.6	1766.1	1732.3	1701.9	1644.3	1600.4	1576.7	1549.6	1546.2	1559.8	1566.5
10°	1783.1	1752.6	1712.0	1654.5	1593.6	1559.8	1515.8	1481.9	1481.9	1471.8	1478.6
12.5°	1796.6	1756.0	1674.8	1613.9	1559.8	1485.3	1431.2	1397.4	1394.0	1404.1	1404.1
15°	1830.4	1769.5	1664.6	1590.2	1502.2	1427.8	1373.7	1336.4	1346.6	1326.3	1329.7
17.5°	1871.0	1779.7	1664.6	1536.1	1438.0	1366.9	1292.5	1248.5	1251.9	1255.2	1258.6
20°	1921.8	1806.7	1647.7	1495.5	1377.1	1275.5	1191.0	1157.1	1147.0	1153.7	1157.1
22.5°	1999.6	1867.6	1641.0	1475.2	1292.5	1194.3	1119.9	1052.2	1045.5	1045.5	1045.5
25°	2128.2	1959.0	1671.4	1407.5	1248.5	1099.6	1015.0	950.7	920.3	923.7	927.1
27.5°	2324.4	2104.5	1701.9	1410.9	1147.0	1015.0	910.1	839.1	822.2	825.6	828.9
30°	2530.8	2300.7	1779.7	1343.2	1089.5	886.5	778.2	727.4	707.1	697.0	700.4
32.5°	2689.8	2473.3	1887.9	1322.9	984.6	747.7	680.1	639.5	612.4	602.2	602.2
35°	2943.6	2642.4	1975.9	1272.2	876.3	659.8	605.6	561.6	548.1	541.3	541.3
37.5°	3160.1	2828.5	2067.3	1251.9	744.4	592.1	524.4	497.4	497.4	490.6	487.2
40°	3393.6	3024.8	2118.0	1191.0	642.8	521.0	453.4	450.0	460.1	460.1	460.1
42.5°	3674.4	3227.8	2172.2	1119.9	565.0	439.8	402.6	429.7	453.4	460.1	460.1
45°	3884.2	3356.3	2195.8	967.7	487.2	382.3	395.9	422.9	453.4	463.5	460.1
47.5°	4063.5	3542.4	2162.0	781.6	419.5	372.2	389.1	412.8	450.0	463.5	463.5
50°	4242.8	3701.5	2138.3	565.0	392.5	372.2	389.1	399.2	439.8	456.8	456.8
52.5°	4506.7	3826.6	2043.6	473.7	372.2	375.6	395.9	395.9	433.1	453.4	463.5
55°	4845.1	4114.2	1864.3	443.2	365.4	372.2	399.2	399.2	426.3	446.6	453.4
57.5°	4983.8	4215.7	1556.4	416.2	358.6	372.2	389.1	395.9	429.7	443.2	439.8
60°	5166.5	4381.5	1275.5	389.1	345.1	365.4	375.6	399.2	426.3	429.7	426.3
62.5°	5264.6	4401.8	1055.6	362.0	335.0	355.3	358.6	385.7	412.8	422.9	426.3
65°	5318.7	4381.5	781.6	335.0	324.8	341.7	345.1	368.8	395.9	402.6	406.0
67.5°	5122.5	4242.8	541.3	307.9	314.7	324.8	331.6	355.3	375.6	395.9	402.6
70°	4770.6	3840.2	385.7	274.1	297.7	307.9	321.4	345.1	365.4	392.5	399.2
72.5°	4381.5	3092.4	284.2	233.5	274.1	287.6	311.3	328.2	358.6	392.5	402.6
75°	4016.1	2713.5	226.7	199.6	233.5	263.9	294.4	318.0	362.0	480.4	497.4
77.5°	2848.8	1833.8	203.0	175.9	199.6	230.1	270.7	311.3	504.1	571.8	575.2
80°	2067.3	1079.3	182.7	155.6	172.6	186.1	247.0	382.3	558.3	527.8	527.8
82.5°	1035.3	578.6	172.6	138.7	148.9	152.3	219.9	487.2	450.0	470.3	473.7
85°	500.7	280.8	142.1	121.8	128.6	125.2	206.4	463.5	426.3	429.7	422.9
87.5°	314.7	172.6	111.7	101.5	104.9	101.5	196.2	443.2	446.6	365.4	372.2
90°	284.2	203.0	88.0	81.2	71.1	84.6	175.9	412.8	436.5	263.9	219.9
92.5°	274.1	219.9	64.3	57.5	50.8	67.7	132.0	335.0	267.3	111.7	67.7
95°	243.6	192.9	54.1	40.6	47.4	57.5	84.6	223.3	179.3	0.0	0.0
97.5°	182.7	142.1	44.0	27.1	152.3	50.8	47.4	145.5	50.8	0.0	0.0
100°	115.0	88.0	33.8	20.3	172.6	33.8	30.5	84.6	0.0	0.0	0.0
102.5°	64.3	47.4	16.9	13.5	74.4	16.9	20.3	20.3	0.0	0.0	0.0
105°	27.1	23.7	6.8	6.8	6.8	3.4	10.2	0.0	0.0	0.0	0.0
107.5°	6.8	10.2	3.4	3.4	3.4	3.4	0.0	0.0	0.0	0.0	0.0
110°	3.4	3.4	3.4	3.4	3.4	3.4	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	3.4	0.0	0.0	0.0	0.0	0.0
115°	3.4	3.4	3.4	3.4	3.4	3.4	0.0	0.0	0.0	0.0	0.0
117.5°	3.4	3.4	3.4	3.4	3.4	3.4	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	3.4	0.0	0.0	0.0	0.0	0.0
125°	3.4	3.4	3.4	3.4	3.4	3.4	0.0	0.0	0.0	0.0	0.0
127.5°	3.4	3.4	3.4	6.8	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	3.4	0.0	0.0	0.0	0.0
135°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	0.0	0.0	0.0	0.0
137.5°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	0.0	0.0	0.0	0.0
140°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	0.0	0.0	0.0	0.0
142.5°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	0.0	0.0	0.0	0.0
145°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	0.0	0.0	0.0	0.0
147.5°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	0.0	0.0	0.0	0.0
150°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	0.0	0.0	0.0	0.0
152.5°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	0.0	0.0	0.0	0.0
155°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	0.0	0.0	0.0	0.0
157.5°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	0.0	0.0	0.0	0.0
160°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	0.0	0.0	0.0	0.0
162.5°	3.4	3.4	3.4	3.4	3.4	3.4	0.0	0.0	0.0	0.0	0.0
165°	3.4	3.4	3.4	3.4	3.4	3.4	0.0	0.0	0.0	0.0	0.0
167.5°	3.4	3.4	3.4	3.4	3.4	3.4	0.0	0.0	0.0	0.0	0.0
170°	0.0	3.4	3.4	3.4	3.4	3.4	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	3.4	3.4	3.4	3.4	3.4	0.0	0.0	0.0	0.0	0.0
175°	0.0	3.4	3.4	3.4	3.4	3.4	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	3.4	3.4	3.4	3.4	3.4	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)