

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: P691951

Luminaire Tested: **CRTK2-C01HO-D-U-T2-7050-SR-CARETAKER-HSS-CRTK2**

Issue Date: 6/13/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P691951  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-6)  
Test Lab: INNOVATION CENTER  
Issue Date: 6/13/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: CRTK2-C01HO-D-U-T2-7050-SR-CARETAKER-HSS-CRTK2  
Description: CARETAKER AREA AND ROADWAY LUMINAIRE  
(1) 70 CRI, 5000K LED WITH TYPE II OPTIC AND SR REFRACTOR WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 9747 lumens  
Efficiency: N/A  
Efficacy: 123.4 lumens/watt  
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.29')  
IES Classification: Type III - Short  
BUG Rating: B3 - U3 - G3

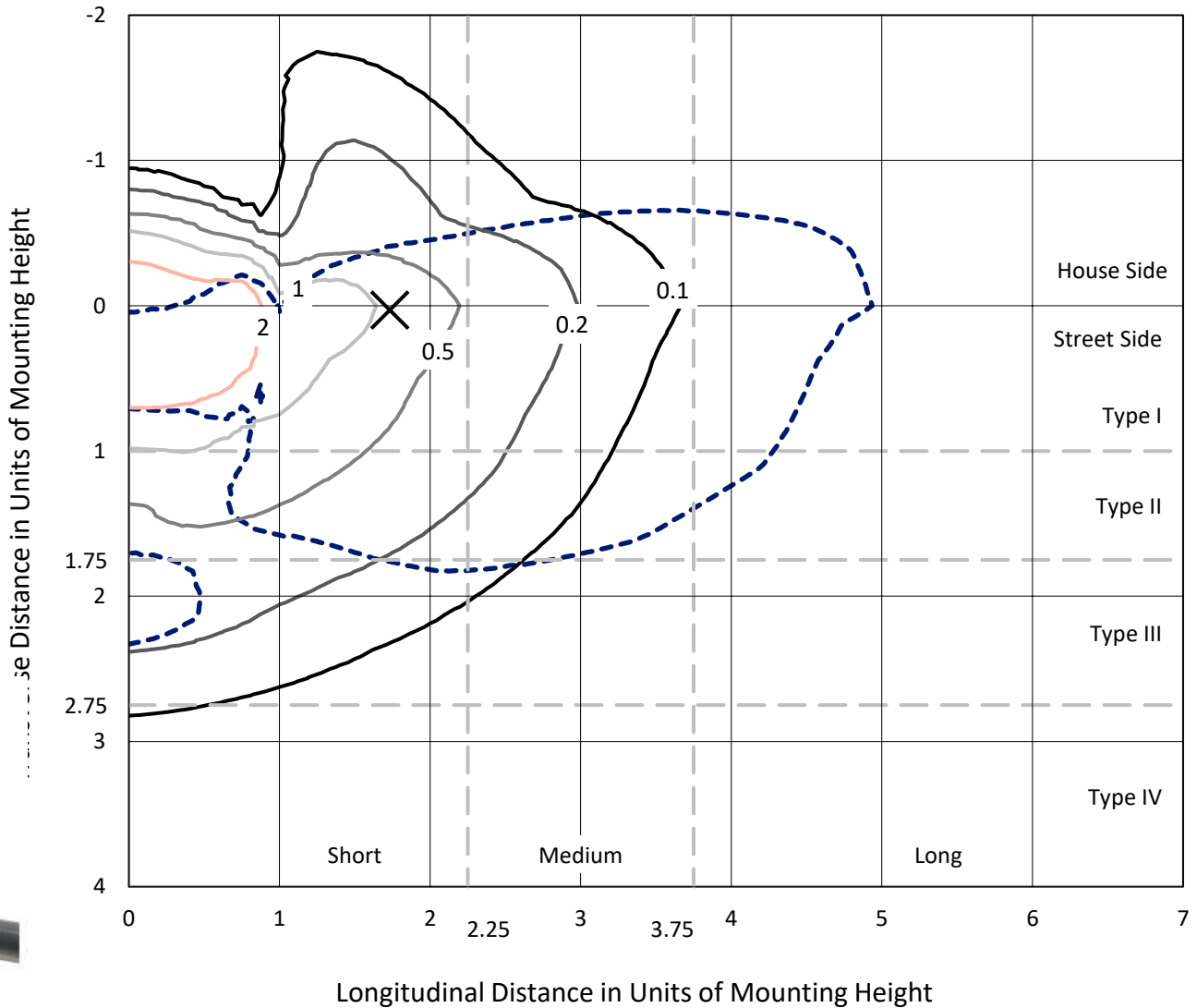
Input Watts (W): 79  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

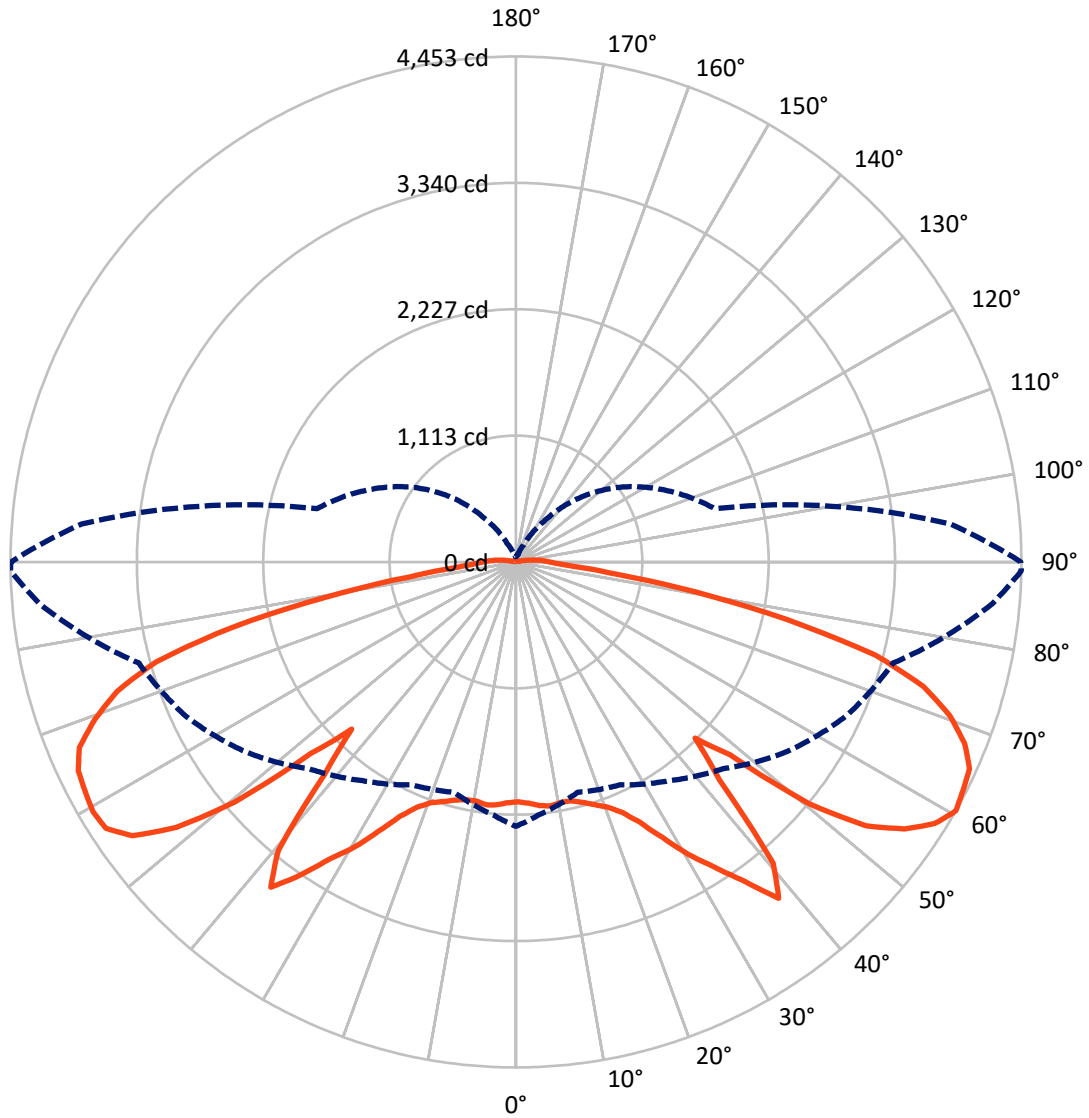
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.8 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 89-Deg Lateral      - - - Horizontal Cone Through 60-Deg Vertical

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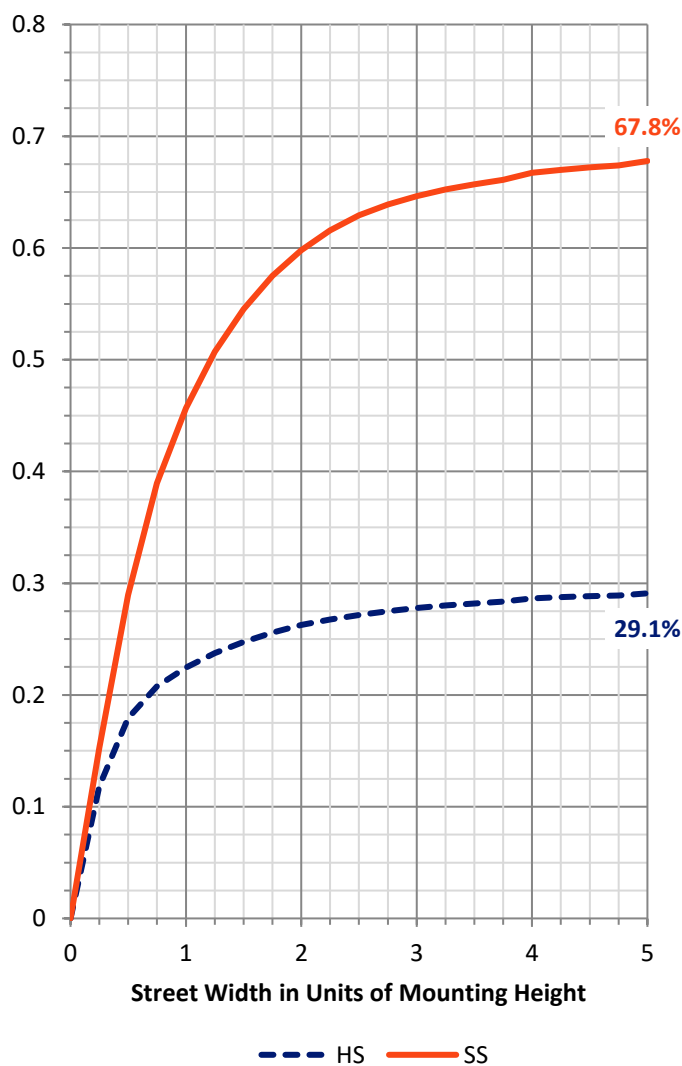
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2893.5	54.3	2947.9
	% Fixture	29.7	0.6	30.2
<b>Street Side</b>	Lumens	6694.4	104.7	6799.1
	% Fixture	68.7	1.1	69.8
<b>Total</b>	Lumens	9588.0	159.0	9747.0
	% Fixture	98.4	1.6	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	203.1	2.1
10°-20°	599.5	6.2
20°-30°	989.5	10.2
30°-40°	1342.3	13.8
40°-50°	1118.1	11.5
50°-60°	1548.4	15.9
60°-70°	1908.4	19.6
70°-80°	1445.0	14.8
80°-90°	433.6	4.4
90°-100°	112.4	1.2
100°-110°	25.6	0.3
110°-120°	12.0	0.1
120°-130°	8.2	0.1
130°-140°	0.8	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	9588.0	98.4
0°-180°	9747.0	100.0

**Coefficient of Utilization**



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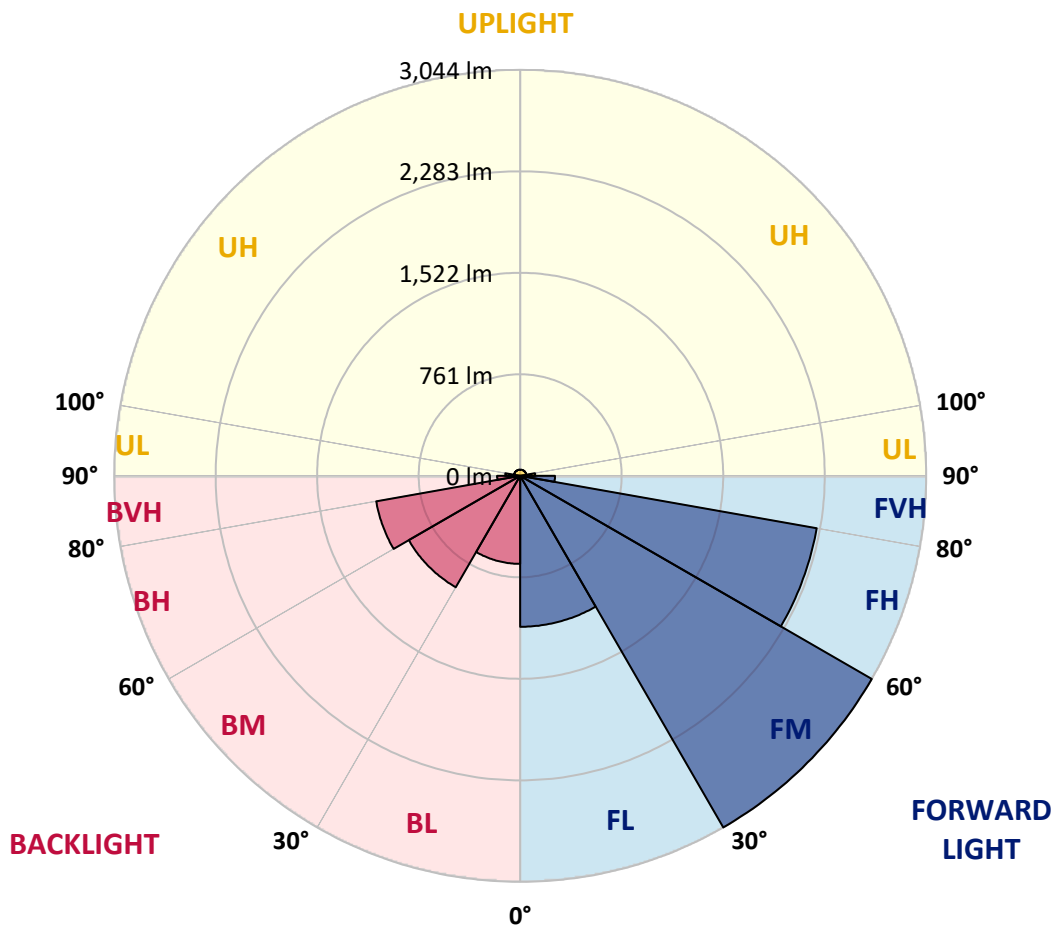
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1132.2	11.6			
FM (30°-60°)	3044.1	31.2			
FH (60°-80°)	2257.4	23.2			G2/5000
FVH (80°-90°)	260.7	2.7			G3/500
BL (0°-30°)	660.0	6.8	B2/1000		
BM (30°-60°)	964.7	9.9	B1/1000		
BH (60°-80°)	1096.0	11.2	B3/2500		G3/2500
BVH (80°-90°)	172.9	1.8			G2/225
UL (90°-100°)	112.4	1.2		U3/500	
UH (100°-180°)	46.7	0.5		U2/50	

**BUG Rating: B3-U3-G3**

Type III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	89°
0°	2112.6	2112.6	2112.6	2112.6	2112.6	2112.6	2112.6	2112.6	2112.6	2112.6	2112.6
2.5°	2217.0	2205.4	2205.4	2205.4	2182.2	2182.2	2166.7	2159.0	2143.5	2131.9	2128.0
5°	2344.7	2337.0	2337.0	2333.1	2309.9	2294.4	2263.5	2236.4	2213.2	2174.5	2155.1
7.5°	2445.3	2433.7	2433.7	2429.8	2406.6	2387.3	2352.4	2290.5	2244.1	2201.6	2170.6
10°	2480.1	2476.3	2472.4	2460.8	2441.4	2426.0	2395.0	2337.0	2263.5	2193.8	2155.1
12.5°	2545.9	2545.9	2534.3	2518.8	2503.3	2487.9	2445.3	2398.9	2317.6	2209.3	2159.0
15°	2631.0	2623.3	2615.6	2607.8	2596.2	2573.0	2534.3	2476.3	2383.4	2251.9	2197.7
17.5°	2665.9	2662.0	2662.0	2665.9	2662.0	2646.5	2638.8	2573.0	2476.3	2309.9	2248.0
20°	2673.6	2677.5	2685.2	2712.3	2720.0	2712.3	2723.9	2685.2	2573.0	2387.3	2306.0
22.5°	2720.0	2727.8	2743.2	2770.3	2781.9	2793.5	2805.1	2836.1	2723.9	2507.2	2395.0
25°	2700.7	2708.4	2754.8	2797.4	2840.0	2874.8	2948.3	3017.9	2936.7	2685.2	2542.0
27.5°	2650.4	2665.9	2747.1	2832.2	2936.7	3029.6	3165.0	3250.1	3184.3	2909.6	2747.1
30°	2692.9	2692.9	2747.1	2870.9	3006.3	3215.3	3393.3	3490.0	3443.6	3126.3	2987.0
32.5°	2603.9	2627.2	2739.4	2925.1	3134.0	3401.0	3575.1	3745.3	3760.8	3416.5	3199.8
35°	2329.2	2367.9	2460.8	2708.4	3029.6	3493.9	3799.5	4027.8	4101.3	3764.7	3447.4
37.5°	1919.1	1946.2	2108.7	2356.3	2739.4	3184.3	3675.7	4194.2	4399.2	3989.1	3760.8
40°	1698.6	1717.9	1814.6	2019.7	2371.8	2801.3	3188.2	3687.3	3799.5	3640.9	3490.0
42.5°	1625.0	1656.0	1775.9	1965.5	2251.9	2553.6	2615.6	2801.3	2743.2	2762.6	2631.0
45°	1725.6	1737.3	1826.2	1992.6	2166.7	2248.0	2166.7	2294.4	2356.3	2344.7	2213.2
47.5°	1775.9	1795.3	1892.0	2104.8	2104.8	2108.7	2209.3	2286.7	2464.7	2631.0	2538.2
50°	1524.4	1551.5	1729.5	1899.8	1926.8	2248.0	2511.1	2662.0	2847.7	3292.7	3346.8
52.5°	1435.5	1454.8	1648.3	1988.7	2186.1	2515.0	2677.5	2816.7	2975.4	3710.5	3861.4
55°	1570.9	1605.7	1834.0	2186.1	2402.7	2600.1	2809.0	3010.2	3180.4	4039.4	4151.6
57.5°	1814.6	1880.4	2019.7	2217.0	2422.1	2600.1	2878.7	3126.3	3350.7	4167.1	4348.9
60°	2329.2	2240.2	2101.0	2166.7	2352.4	2576.9	2913.5	3211.4	3439.7	4213.5	4453.4
62.5°	2569.1	2503.3	2162.9	2073.9	2236.4	2495.6	2847.7	3211.4	3408.7	4124.5	4422.4
65°	2484.0	2429.8	2186.1	1965.5	2093.2	2383.4	2747.1	3165.0	3339.1	4012.3	4391.5
67.5°	2116.4	2062.3	1984.9	1903.6	1957.8	2271.2	2654.2	3079.9	3261.7	3919.5	4263.8
70°	1721.8	1690.8	1663.7	1725.6	1826.2	2101.0	2468.5	2890.3	3106.9	3695.0	4054.9
72.5°	1466.4	1447.1	1400.6	1462.5	1621.2	1872.7	2189.9	2611.7	2870.9	3315.9	3757.0
75°	1245.9	1234.3	1218.8	1249.7	1350.3	1586.4	1837.9	2251.9	2565.3	2894.1	3265.6
77.5°	1009.9	994.4	1029.2	1036.9	1114.3	1284.6	1447.1	1791.4	2139.6	2271.2	2437.6
80°	735.1	750.6	808.7	785.4	843.5	901.5	1017.6	1168.5	1443.2	1590.2	1601.8
82.5°	514.6	530.1	584.2	526.2	541.7	545.6	588.1	642.3	754.5	878.3	893.8
85°	363.7	371.4	383.0	340.5	340.5	340.5	367.6	398.5	456.6	506.9	518.5
87.5°	259.2	259.2	274.7	259.2	255.4	251.5	267.0	278.6	313.4	348.2	356.0
90°	193.5	193.5	201.2	193.5	193.5	193.5	208.9	220.5	251.5	282.4	286.3
92.5°	139.3	139.3	150.9	147.0	147.0	150.9	166.4	174.1	201.2	232.1	236.0
95°	108.3	108.3	116.1	112.2	112.2	119.9	131.6	139.3	158.6	174.1	178.0
97.5°	77.4	77.4	81.3	81.3	81.3	81.3	89.0	100.6	123.8	123.8	119.9
100°	54.2	54.2	58.0	54.2	54.2	58.0	58.0	65.8	77.4	73.5	73.5
102.5°	38.7	38.7	38.7	38.7	38.7	34.8	34.8	38.7	42.6	38.7	38.7
105°	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	23.2
107.5°	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.2	19.3	19.3
110°	19.3	19.3	19.3	19.3	19.3	19.3	19.3	19.3	19.3	19.3	15.5



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	89°
112.5°	19.3	19.3	19.3	19.3	19.3	19.3	19.3	19.3	19.3	15.5	15.5
115°	19.3	19.3	19.3	19.3	19.3	19.3	19.3	19.3	19.3	15.5	15.5
117.5°	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5
120°	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5
122.5°	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5
125°	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	15.5	15.5
127.5°	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6
130°	11.6	7.7	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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	0.0	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	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):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2112.6	2112.6	2112.6	2112.6	2112.6	2112.6	2112.6	2112.6	2112.6	2112.6	2112.6
2.5°	2124.2	2116.4	2093.2	2066.1	2042.9	2023.6	2004.2	1988.7	1984.9	1977.1	1984.9
5°	2151.3	2124.2	2070.0	2035.2	2004.2	1973.3	1942.3	1926.8	1915.2	1907.5	1907.5
7.5°	2162.9	2124.2	2062.3	2015.8	1950.1	1884.3	1845.6	1814.6	1803.0	1814.6	1814.6
10°	2143.5	2097.1	2023.6	1953.9	1864.9	1810.8	1756.6	1729.5	1714.0	1714.0	1702.4
12.5°	2151.3	2097.1	1988.7	1884.3	1810.8	1714.0	1648.3	1617.3	1594.1	1601.8	1601.8
15°	2182.2	2108.7	1957.8	1853.3	1725.6	1648.3	1567.0	1547.7	1543.8	1532.2	1524.4
17.5°	2228.6	2120.3	1950.1	1783.7	1652.1	1559.3	1481.9	1447.1	1427.7	1416.1	1412.2
20°	2278.9	2135.8	1926.8	1717.9	1574.7	1454.8	1361.9	1315.5	1300.0	1300.0	1292.3
22.5°	2364.1	2189.9	1907.5	1687.0	1470.3	1350.3	1257.5	1191.7	1160.7	1156.9	1153.0
25°	2503.3	2294.4	1926.8	1617.3	1408.4	1230.4	1125.9	1067.9	1033.1	1021.5	1021.5
27.5°	2716.1	2437.6	1953.9	1578.6	1280.7	1118.2	1002.1	913.1	862.8	866.7	870.6
30°	2944.4	2650.4	2031.3	1516.7	1199.4	959.6	820.3	750.6	704.2	688.7	681.0
32.5°	3130.1	2870.9	2143.5	1466.4	1048.5	766.1	646.1	595.9	545.6	503.0	487.5
35°	3416.5	3056.6	2240.2	1392.9	924.7	626.8	522.3	445.0	402.4	383.0	375.3
37.5°	3675.7	3238.5	2313.8	1377.4	750.6	537.8	414.0	332.7	290.2	286.3	286.3
40°	3362.3	3010.2	2259.6	1253.6	592.0	417.9	297.9	236.0	205.1	189.6	189.6
42.5°	2573.0	2306.0	1721.8	1044.7	425.6	282.4	189.6	178.0	174.1	158.6	158.6
45°	2155.1	1702.4	1044.7	545.6	201.2	154.8	135.4	135.4	139.3	150.9	150.9
47.5°	2588.5	2012.0	770.0	390.8	197.3	135.4	119.9	108.3	100.6	96.7	96.7
50°	3350.7	2863.2	982.8	464.3	236.0	139.3	108.3	96.7	92.9	89.0	81.3
52.5°	3907.9	3354.6	1296.2	708.1	379.2	178.0	108.3	81.3	61.9	54.2	50.3
55°	4244.5	3784.0	1528.3	1017.6	615.2	297.9	135.4	73.5	54.2	46.4	42.6
57.5°	4426.3	3834.3	1721.8	1296.2	905.4	530.1	236.0	89.0	54.2	42.6	42.6
60°	4449.5	3842.1	1814.6	1481.9	1153.0	804.8	448.8	174.1	69.6	50.3	46.4
62.5°	4430.2	3776.3	1837.9	1555.4	1303.9	1029.2	708.1	344.4	108.3	58.0	54.2
65°	4395.4	3780.2	1733.4	1489.6	1303.9	1102.7	820.3	452.7	154.8	65.8	61.9
67.5°	4279.3	3768.6	1675.3	1346.5	1180.1	986.6	735.1	421.7	178.0	81.3	77.4
70°	4043.3	3629.3	1640.5	1288.4	1106.6	878.3	619.1	336.6	201.2	139.3	150.9
72.5°	3776.3	3377.8	1605.7	1238.1	1079.5	874.4	622.9	363.7	270.8	228.3	243.8
75°	3377.8	2940.6	1543.8	1187.8	1064.0	901.5	630.7	344.4	255.4	205.1	201.2
77.5°	2600.1	2445.3	1408.4	1064.0	967.3	831.9	537.8	263.1	189.6	143.2	139.3
80°	1698.6	1679.2	1098.8	859.0	816.4	735.1	448.8	205.1	150.9	116.1	108.3
82.5°	959.6	920.9	684.8	541.7	576.5	595.9	363.7	154.8	116.1	92.9	85.1
85°	545.6	553.3	398.5	294.1	297.9	352.1	236.0	108.3	73.5	54.2	50.3
87.5°	375.3	386.9	259.2	197.3	178.0	166.4	123.8	65.8	42.6	27.1	19.3
90°	305.7	305.7	193.5	143.2	123.8	108.3	69.6	38.7	31.0	15.5	11.6
92.5°	247.6	259.2	162.5	116.1	96.7	85.1	54.2	27.1	19.3	11.6	7.7
95°	185.7	197.3	131.6	96.7	77.4	65.8	46.4	23.2	15.5	7.7	7.7
97.5°	127.7	127.7	92.9	73.5	61.9	50.3	34.8	19.3	11.6	7.7	7.7
100°	73.5	77.4	54.2	46.4	42.6	38.7	23.2	15.5	7.7	3.9	3.9
102.5°	38.7	38.7	27.1	27.1	23.2	23.2	19.3	11.6	7.7	3.9	3.9
105°	23.2	23.2	19.3	19.3	15.5	15.5	11.6	7.7	3.9	0.0	3.9
107.5°	19.3	19.3	15.5	15.5	11.6	11.6	7.7	7.7	3.9	0.0	0.0
110°	15.5	15.5	11.6	11.6	11.6	7.7	7.7	3.9	3.9	0.0	0.0



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	15.5	15.5	11.6	11.6	7.7	7.7	7.7	3.9	3.9	0.0	0.0
115°	15.5	11.6	11.6	7.7	7.7	7.7	3.9	3.9	0.0	0.0	0.0
117.5°	15.5	11.6	7.7	7.7	7.7	3.9	3.9	3.9	0.0	0.0	0.0
120°	15.5	11.6	7.7	7.7	7.7	7.7	3.9	3.9	0.0	0.0	0.0
122.5°	15.5	11.6	7.7	7.7	7.7	3.9	3.9	3.9	0.0	0.0	0.0
125°	11.6	11.6	7.7	7.7	3.9	3.9	3.9	3.9	0.0	0.0	0.0
127.5°	11.6	11.6	7.7	7.7	3.9	3.9	3.9	3.9	0.0	0.0	0.0
130°	11.6	11.6	7.7	7.7	3.9	3.9	3.9	3.9	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	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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	0.0	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	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)