

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: P691963

Luminaire Tested: **CRTK2-C01HO-D-U-T2-8027**

Issue Date: 6/13/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P691963  
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-C01HO-D-U-T2-8027  
Description: CARETAKER AREA AND ROADWAY LUMINAIRE  
(1) 80 CRI, 2700K LED WITH TYPE II OPTIC  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 9899 lumens  
Efficiency: N/A  
Efficacy: 125.3 lumens/watt  
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.08')  
IES Classification: Type II - Short  
BUG Rating: B2 - U3 - G2

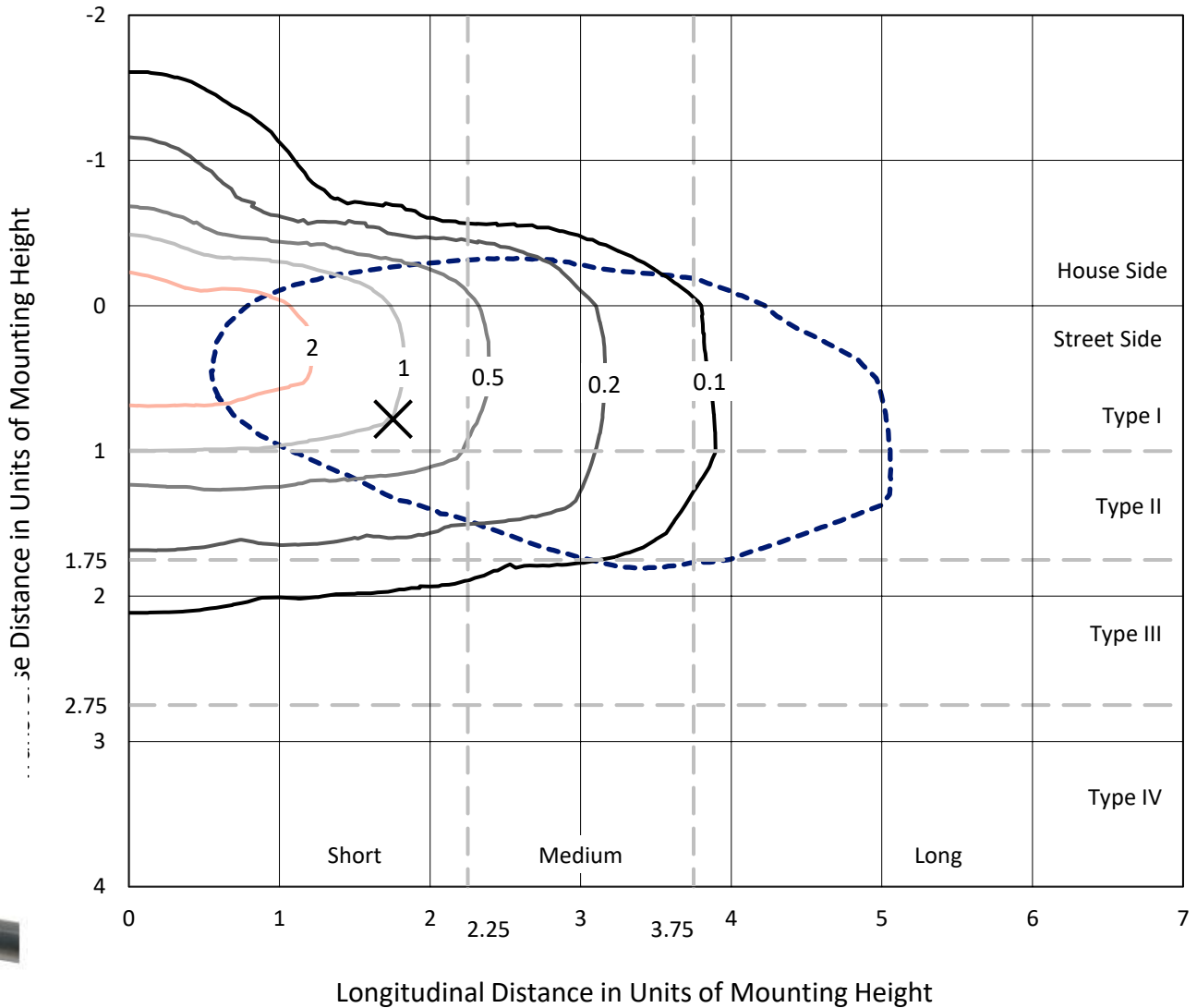
Input Watts (W): 79  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

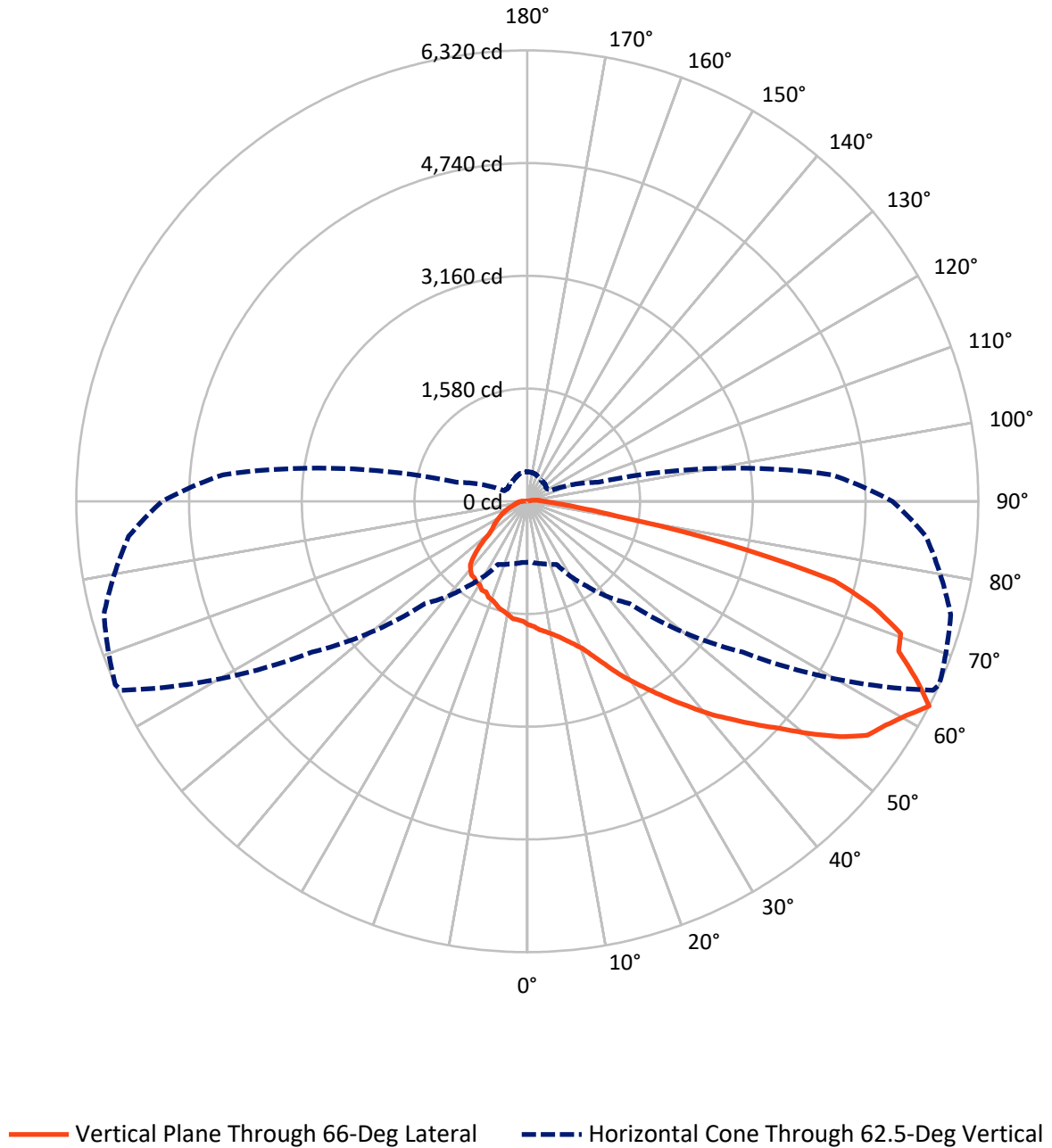
✕ Max cd  
 - - - 1/2 Max cd



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

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### Luminous Intensity Polar Plot



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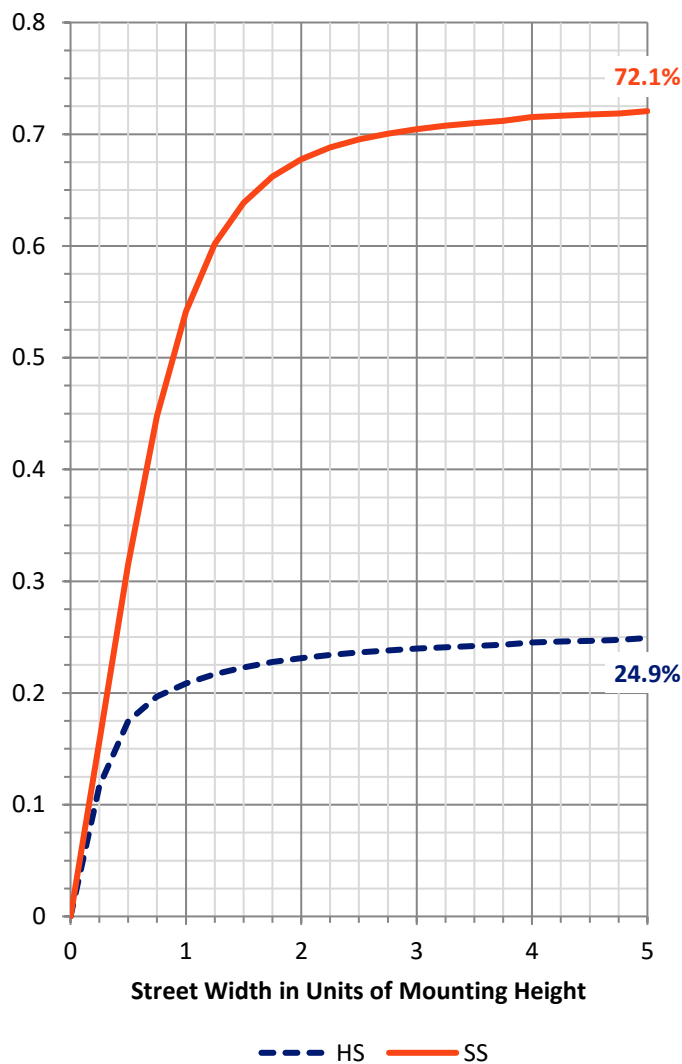
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2576.6	71.2	2647.8
	% Fixture	26.0	0.7	26.7
<b>Street Side</b>	Lumens	7180.7	70.5	7251.2
	% Fixture	72.5	0.7	73.3
<b>Total</b>	Lumens	9757.3	141.7	9899.0
	% Fixture	98.6	1.4	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	166.2	1.7
10°-20°	497.7	5.0
20°-30°	842.2	8.5
30°-40°	1232.2	12.4
40°-50°	1610.6	16.3
50°-60°	1874.1	18.9
60°-70°	1875.0	18.9
70°-80°	1293.7	13.1
80°-90°	365.7	3.7
90°-100°	120.5	1.2
100°-110°	16.5	0.2
110°-120°	1.0	0.0
120°-130°	0.9	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°	9757.3	98.6
0°-180°	9899.0	100.0

**Coefficient of Utilization**

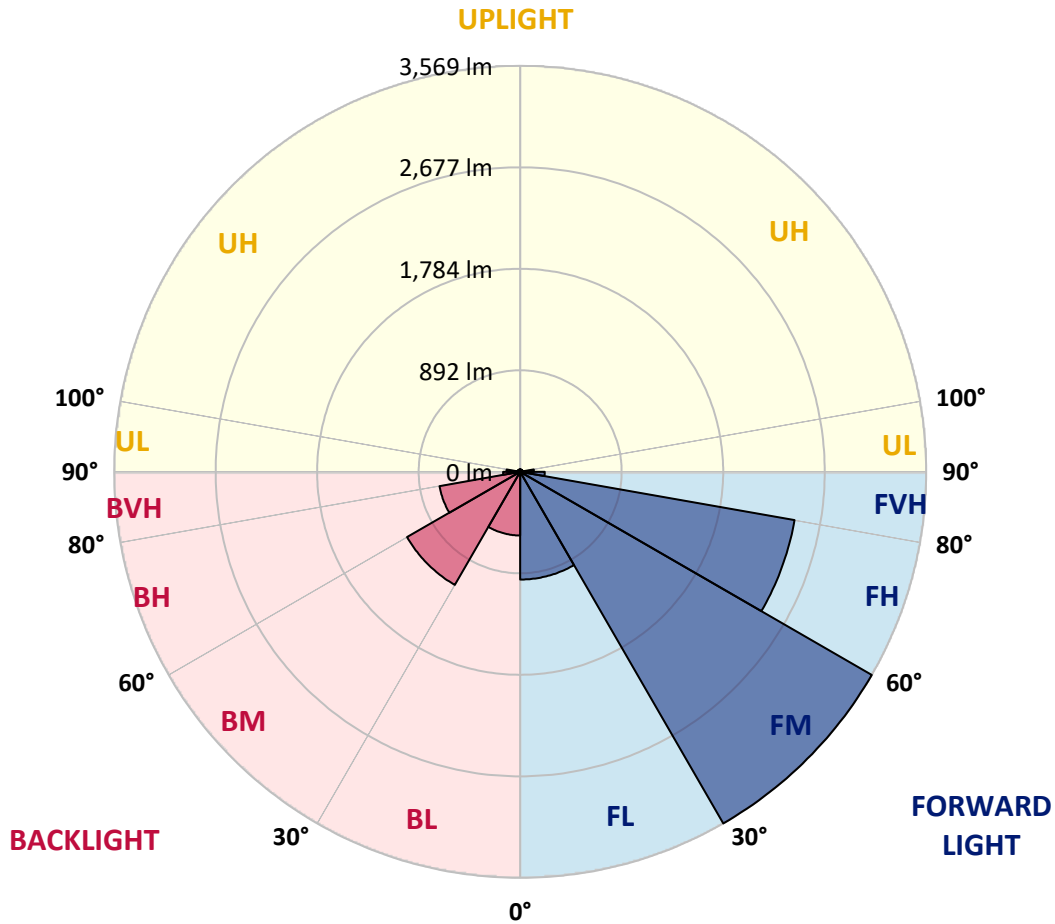


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	947.0	9.6			
FM (30°-60°)	3568.9	36.1			
FH (60°-80°)	2449.0	24.7			G2/5000
FVH (80°-90°)	216.0	2.2			G2/225
BL (0°-30°)	559.2	5.6	B2/1000		
BM (30°-60°)	1148.0	11.6	B2/2500		
BH (60°-80°)	719.7	7.3	B2/1000		G2/1000
BVH (80°-90°)	149.7	1.5			G2/225
UL (90°-100°)	120.5	1.2		U3/500	
UH (100°-180°)	21.1	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°	1729.5	1729.5	1729.5	1729.5	1729.5	1729.5	1729.5	1729.5	1729.5	1729.5	1729.5
2.5°	1818.3	1815.0	1815.0	1798.6	1782.1	1778.9	1769.0	1755.8	1755.8	1746.0	1729.5
5°	1926.8	1923.5	1926.8	1903.8	1880.8	1861.1	1828.2	1811.7	1808.4	1785.4	1752.5
7.5°	2002.4	1999.2	1995.9	1976.1	1966.3	1946.5	1900.5	1851.2	1844.6	1821.6	1778.9
10°	2032.0	2035.3	2051.8	2018.9	1999.2	1982.7	1956.4	1897.2	1890.6	1838.0	1772.3
12.5°	2111.0	2114.2	2104.4	2064.9	2058.3	2045.2	2002.4	1953.1	1946.5	1880.8	1788.7
15°	2193.2	2193.2	2180.0	2157.0	2140.5	2127.4	2074.8	2022.2	2018.9	1940.0	1831.5
17.5°	2229.3	2235.9	2239.2	2209.6	2203.0	2199.7	2173.4	2107.7	2101.1	2025.5	1890.6
20°	2252.3	2255.6	2258.9	2255.6	2258.9	2255.6	2268.8	2216.2	2199.7	2120.8	1956.4
22.5°	2298.4	2304.9	2328.0	2328.0	2337.8	2360.8	2351.0	2357.6	2351.0	2255.6	2068.2
25°	2321.4	2331.3	2360.8	2397.0	2439.8	2466.1	2502.2	2528.5	2531.8	2446.3	2239.2
27.5°	2285.2	2308.2	2383.9	2439.8	2538.4	2607.5	2692.9	2735.7	2742.3	2660.1	2423.3
30°	2331.3	2331.3	2377.3	2456.2	2577.9	2739.0	2870.5	2936.3	2942.8	2880.4	2607.5
32.5°	2245.8	2265.5	2370.7	2522.0	2696.2	2880.4	3008.6	3136.8	3153.3	3133.5	2870.5
35°	2235.9	2245.8	2311.5	2469.4	2702.8	3011.9	3189.4	3357.1	3390.0	3396.6	3123.7
37.5°	2143.8	2157.0	2278.6	2475.9	2794.9	3104.0	3330.8	3607.0	3636.6	3682.7	3344.0
40°	2028.7	2048.5	2147.1	2367.4	2768.6	3212.5	3482.1	3870.1	3912.8	3968.7	3633.3
42.5°	1877.5	1913.7	2081.4	2318.1	2755.4	3248.6	3626.8	4133.1	4172.6	4231.8	3876.7
45°	1749.3	1759.1	1893.9	2140.5	2650.2	3297.9	3761.6	4429.1	4455.4	4484.9	4073.9
47.5°	1634.2	1653.9	1769.0	1999.2	2538.4	3288.1	3879.9	4708.5	4754.6	4843.3	4314.0
50°	1292.2	1338.3	1663.8	1877.5	2367.4	3258.5	3978.6	5037.3	5113.0	5145.9	4586.9
52.5°	1117.9	1131.1	1295.5	1759.1	2176.7	3159.8	4064.1	5395.7	5481.2	5405.6	4915.7
55°	1032.5	1045.6	1121.2	1519.1	2028.7	2959.3	4129.8	5734.4	5787.0	5609.5	5159.0
57.5°	986.4	996.3	1035.7	1229.7	1847.9	2640.3	4136.4	5902.1	5921.8	5770.6	5284.0
60°	907.5	917.4	986.4	1071.9	1647.3	2301.7	4021.3	5997.5	6099.4	5967.9	5524.0
62.5°	854.9	861.5	907.5	976.6	1453.3	2025.5	3685.9	6270.4	6319.7	6142.1	5606.2
65°	789.1	795.7	838.5	900.9	1328.4	1870.9	3541.3	6158.6	5977.7	6099.4	5714.7
67.5°	713.5	723.4	762.8	815.4	1121.2	1719.7	3123.7	5741.0	5612.8	5882.4	5431.9
70°	644.5	651.0	693.8	723.4	920.7	1522.4	2594.3	5415.5	5550.3	5547.0	5175.4
72.5°	568.8	575.4	611.6	637.9	769.4	1288.9	2058.3	5040.6	5080.1	4938.7	4580.3
75°	489.9	493.2	526.1	552.4	631.3	1032.5	1502.7	4169.3	4442.2	4721.7	3962.1
77.5°	394.6	404.4	430.7	443.9	506.4	825.3	979.8	2469.4	2821.2	4152.9	3541.3
80°	295.9	295.9	315.7	322.2	374.8	614.9	618.2	1190.3	1279.1	2640.3	2630.5
82.5°	187.4	197.3	217.0	213.7	253.2	351.8	391.3	660.9	710.2	1045.6	1167.3
85°	151.3	154.5	167.7	157.8	167.7	190.7	220.3	417.6	434.0	637.9	634.6
87.5°	124.9	128.2	138.1	131.5	134.8	144.7	171.0	279.5	286.1	411.0	424.2
90°	95.4	98.6	111.8	108.5	105.2	118.4	141.4	213.7	223.6	325.5	348.5
92.5°	62.5	62.5	72.3	72.3	72.3	85.5	124.9	164.4	171.0	295.9	312.4
95°	46.0	46.0	49.3	52.6	49.3	62.5	92.1	148.0	161.1	276.2	269.6
97.5°	29.6	29.6	32.9	36.2	32.9	39.5	52.6	105.2	118.4	213.7	210.4
100°	19.7	19.7	19.7	19.7	19.7	19.7	29.6	69.0	78.9	134.8	131.5
102.5°	13.2	13.2	13.2	13.2	9.9	9.9	13.2	32.9	36.2	72.3	69.0
105°	3.3	3.3	6.6	6.6	6.6	3.3	3.3	13.2	16.4	29.6	29.6
107.5°	0.0	0.0	0.0	3.3	0.0	0.0	0.0	0.0	0.0	3.3	3.3
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	3.3
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	3.3
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3
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	3.3	0.0	0.0	0.0	0.0	0.0	0.0	3.3
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3
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	3.3	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	3.3	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°	1729.5	1729.5	1729.5	1729.5	1729.5	1729.5	1729.5	1729.5	1729.5	1729.5	1729.5
2.5°	1723.0	1713.1	1696.7	1680.2	1670.3	1660.5	1644.0	1630.9	1630.9	1647.3	1647.3
5°	1729.5	1709.8	1676.9	1663.8	1647.3	1624.3	1598.0	1578.3	1568.4	1581.6	1584.9
7.5°	1746.0	1716.4	1683.5	1653.9	1598.0	1555.3	1532.2	1505.9	1502.7	1515.8	1522.4
10°	1732.8	1703.2	1663.8	1607.9	1548.7	1515.8	1473.1	1440.2	1440.2	1430.3	1436.9
12.5°	1746.0	1706.5	1627.6	1568.4	1515.8	1443.5	1390.9	1358.0	1354.7	1364.6	1364.6
15°	1778.9	1719.7	1617.7	1545.4	1459.9	1387.6	1335.0	1298.8	1308.7	1288.9	1292.2
17.5°	1818.3	1729.5	1617.7	1492.8	1397.4	1328.4	1256.0	1213.3	1216.6	1219.9	1223.2
20°	1867.6	1755.8	1601.3	1453.3	1338.3	1239.6	1157.4	1124.5	1114.7	1121.2	1124.5
22.5°	1943.3	1815.0	1594.7	1433.6	1256.0	1160.7	1088.4	1022.6	1016.0	1016.0	1016.0
25°	2068.2	1903.8	1624.3	1367.8	1213.3	1068.6	986.4	924.0	894.4	897.6	900.9
27.5°	2258.9	2045.2	1653.9	1371.1	1114.7	986.4	884.5	815.4	799.0	802.3	805.6
30°	2459.5	2235.9	1729.5	1305.4	1058.8	861.5	756.3	706.9	687.2	677.3	680.6
32.5°	2614.0	2403.6	1834.8	1285.6	956.8	726.7	660.9	621.4	595.1	585.3	585.3
35°	2860.6	2568.0	1920.2	1236.3	851.6	641.2	588.6	545.8	532.7	526.1	526.1
37.5°	3071.1	2748.8	2009.0	1216.6	723.4	575.4	509.7	483.3	483.3	476.8	473.5
40°	3297.9	2939.5	2058.3	1157.4	624.7	506.4	440.6	437.3	447.2	447.2	447.2
42.5°	3570.9	3136.8	2111.0	1088.4	549.1	427.5	391.3	417.6	440.6	447.2	447.2
45°	3774.7	3261.8	2134.0	940.4	473.5	371.6	384.7	411.0	440.6	450.5	447.2
47.5°	3949.0	3442.6	2101.1	759.5	407.7	361.7	378.1	401.1	437.3	450.5	450.5
50°	4123.3	3597.2	2078.1	549.1	381.4	361.7	378.1	388.0	427.5	443.9	443.9
52.5°	4379.7	3718.8	1986.0	460.3	361.7	365.0	384.7	384.7	420.9	440.6	450.5
55°	4708.5	3998.3	1811.7	430.7	355.1	361.7	388.0	388.0	414.3	434.0	440.6
57.5°	4843.3	4097.0	1512.5	404.4	348.5	361.7	378.1	384.7	417.6	430.7	427.5
60°	5020.9	4258.1	1239.6	378.1	335.4	355.1	365.0	388.0	414.3	417.6	414.3
62.5°	5116.3	4277.8	1025.9	351.8	325.5	345.2	348.5	374.8	401.1	411.0	414.3
65°	5168.9	4258.1	759.5	325.5	315.7	332.1	335.4	358.4	384.7	391.3	394.6
67.5°	4978.2	4123.3	526.1	299.2	305.8	315.7	322.2	345.2	365.0	384.7	391.3
70°	4636.2	3732.0	374.8	266.3	289.4	299.2	312.4	335.4	355.1	381.4	388.0
72.5°	4258.1	3005.3	276.2	226.9	266.3	279.5	302.5	318.9	348.5	381.4	391.3
75°	3903.0	2637.0	220.3	194.0	226.9	256.5	286.1	309.1	351.8	466.9	483.3
77.5°	2768.6	1782.1	197.3	171.0	194.0	223.6	263.0	302.5	489.9	555.7	559.0
80°	2009.0	1048.9	177.6	151.3	167.7	180.8	240.0	371.6	542.5	512.9	512.9
82.5°	1006.2	562.3	167.7	134.8	144.7	148.0	213.7	473.5	437.3	457.0	460.3
85°	486.6	272.9	138.1	118.4	124.9	121.7	200.6	450.5	414.3	417.6	411.0
87.5°	305.8	167.7	108.5	98.6	101.9	98.6	190.7	430.7	434.0	355.1	361.7
90°	276.2	197.3	85.5	78.9	69.0	82.2	171.0	401.1	424.2	256.5	213.7
92.5°	266.3	213.7	62.5	55.9	49.3	65.8	128.2	325.5	259.8	108.5	65.8
95°	236.7	187.4	52.6	39.5	46.0	55.9	82.2	217.0	174.3	0.0	0.0
97.5°	177.6	138.1	42.7	26.3	148.0	49.3	46.0	141.4	49.3	0.0	0.0
100°	111.8	85.5	32.9	19.7	167.7	32.9	29.6	82.2	0.0	0.0	0.0
102.5°	62.5	46.0	16.4	13.2	72.3	16.4	19.7	19.7	0.0	0.0	0.0
105°	26.3	23.0	6.6	6.6	6.6	3.3	9.9	0.0	0.0	0.0	0.0
107.5°	6.6	9.9	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0
110°	3.3	3.3	3.3	3.3	3.3	3.3	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°	3.3	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0
115°	3.3	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0
117.5°	3.3	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0
120°	3.3	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0
122.5°	3.3	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0
125°	3.3	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0
127.5°	3.3	3.3	3.3	6.6	3.3	3.3	0.0	0.0	0.0	0.0	0.0
130°	3.3	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0
132.5°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0
135°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0
137.5°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0
140°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0
142.5°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0
145°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0
147.5°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0
150°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0
152.5°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0
155°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0
157.5°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0
160°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0
162.5°	3.3	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0
165°	3.3	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0
167.5°	3.3	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0
170°	0.0	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0
175°	0.0	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	3.3	3.3	3.3	3.3	3.3	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)