

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: P691859

Luminaire Tested: **CRTK2-C01H-D-U-T2-7050-SR-CARETAKER-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691859
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-C01H-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: 8232 lumens
Efficiency: N/A
Efficacy: 117.3 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.29')
IES Classification: Type III - Short
BUG Rating: B2 - U3 - G2

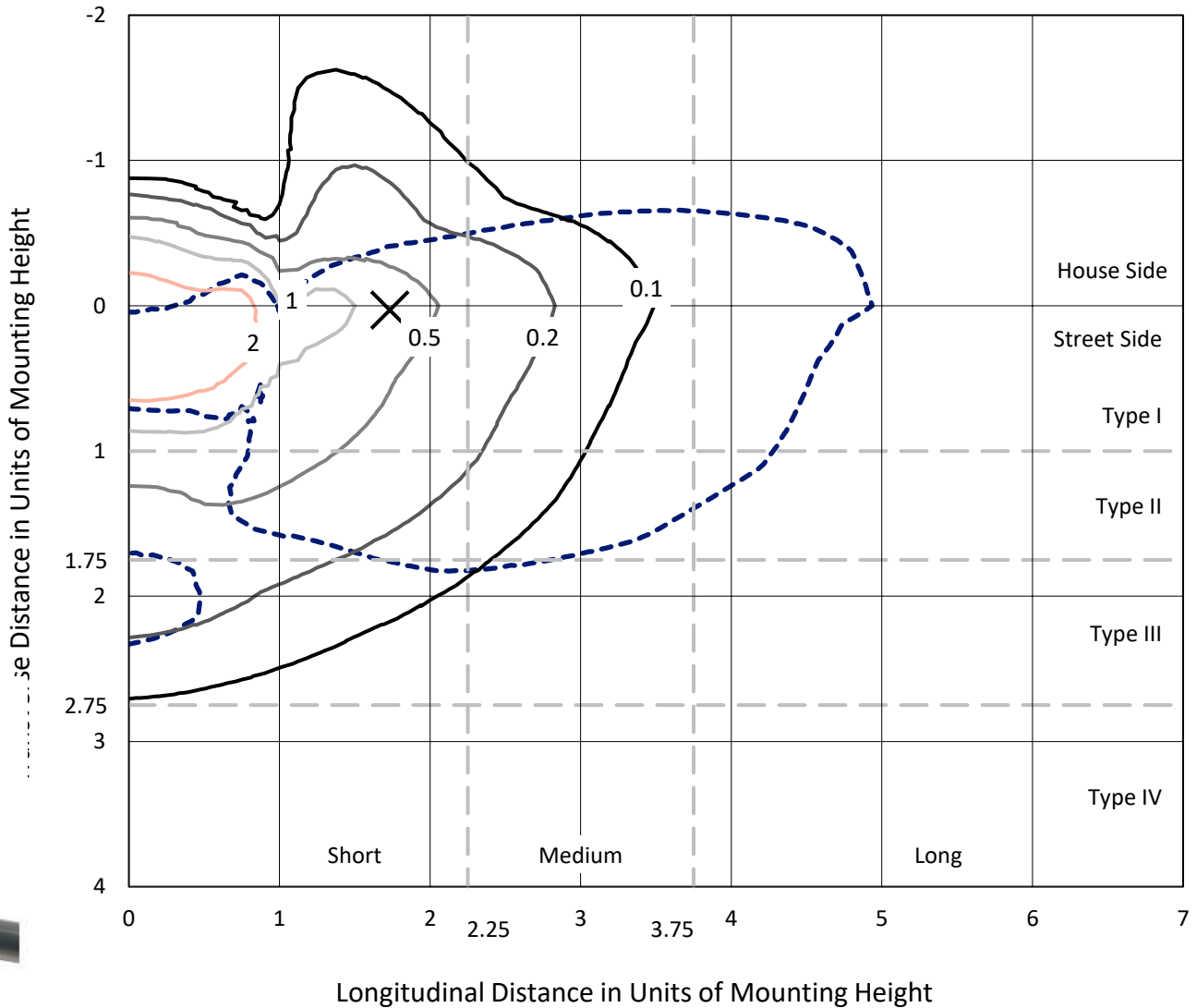
Input Watts (W): 70.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

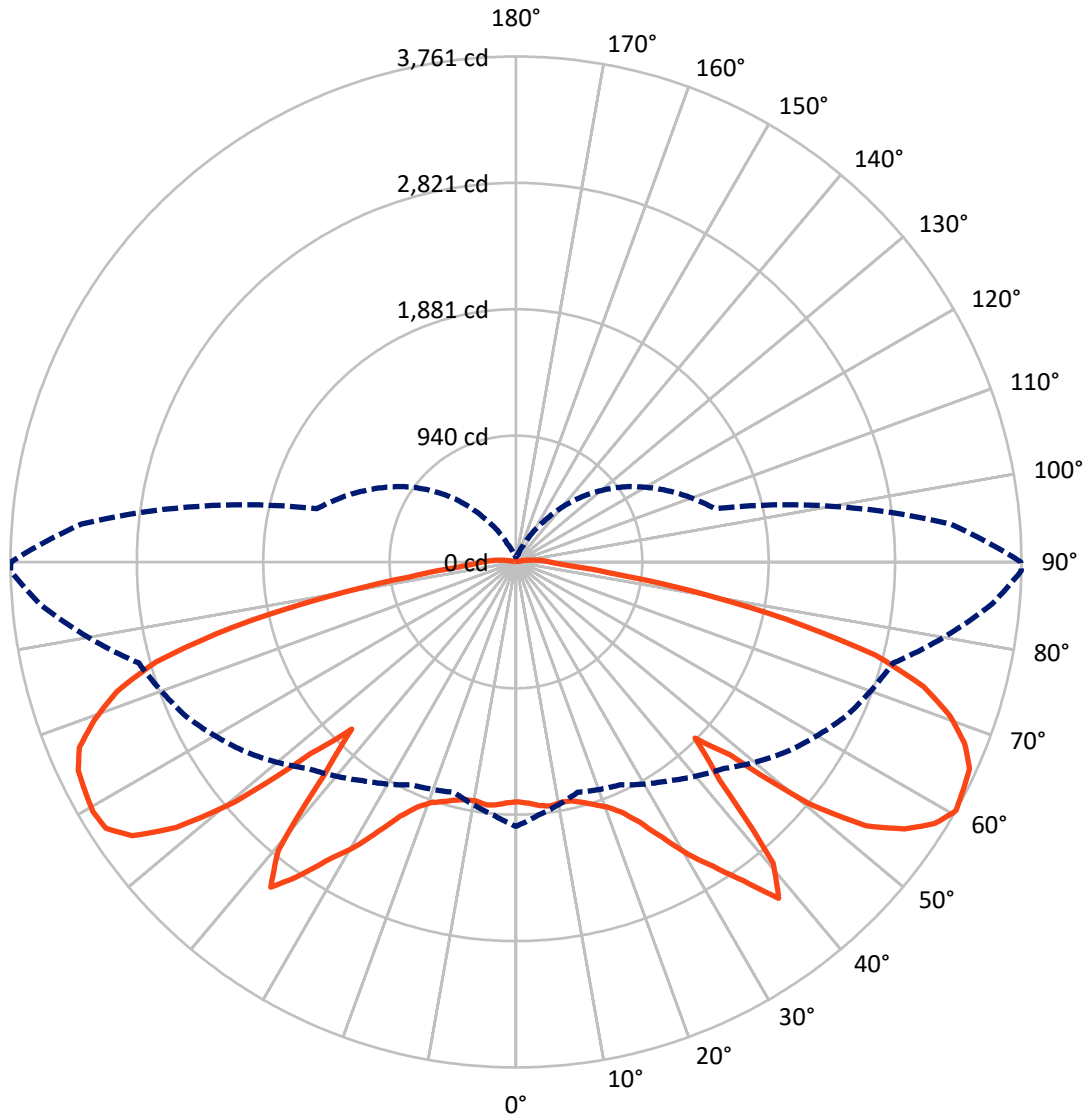
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.2 fc
 Type 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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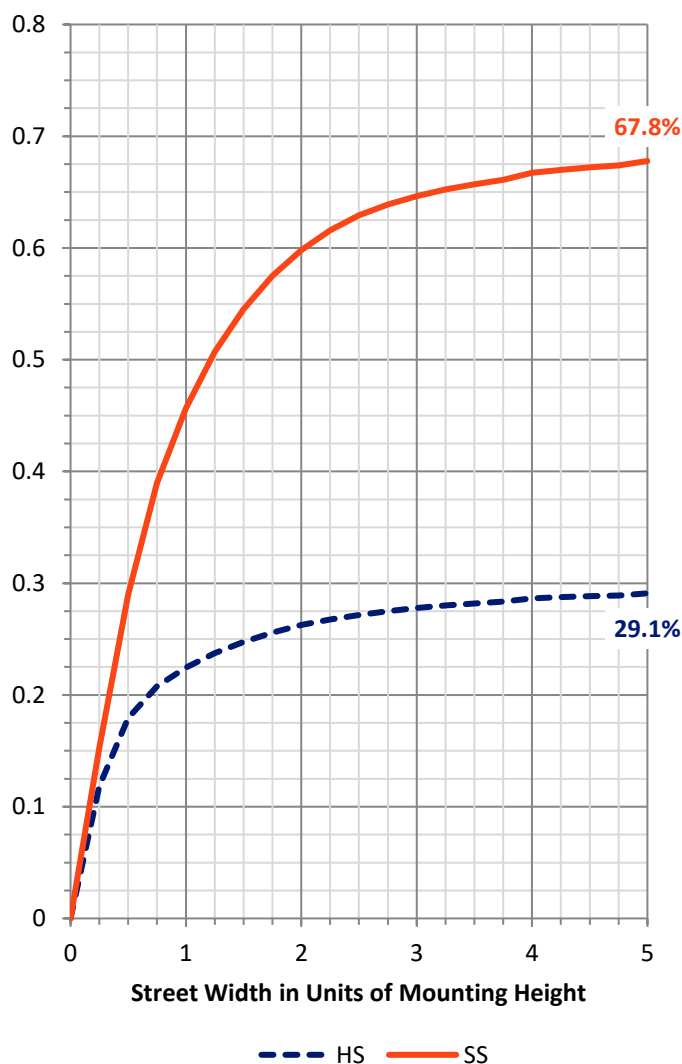
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2443.8	45.9	2489.6
	% Fixture	29.7	0.6	30.2
Street Side	Lumens	5653.9	88.4	5742.3
	% Fixture	68.7	1.1	69.8
Total	Lumens	8097.7	134.3	8232.0
	% Fixture	98.4	1.6	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	171.5	2.1
10°-20°	506.3	6.2
20°-30°	835.7	10.2
30°-40°	1133.7	13.8
40°-50°	944.3	11.5
50°-60°	1307.7	15.9
60°-70°	1611.8	19.6
70°-80°	1220.4	14.8
80°-90°	366.2	4.4
90°-100°	94.9	1.2
100°-110°	21.7	0.3
110°-120°	10.2	0.1
120°-130°	6.9	0.1
130°-140°	0.7	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°	8097.7	98.4
0°-180°	8232.0	100.0

Coefficient of Utilization



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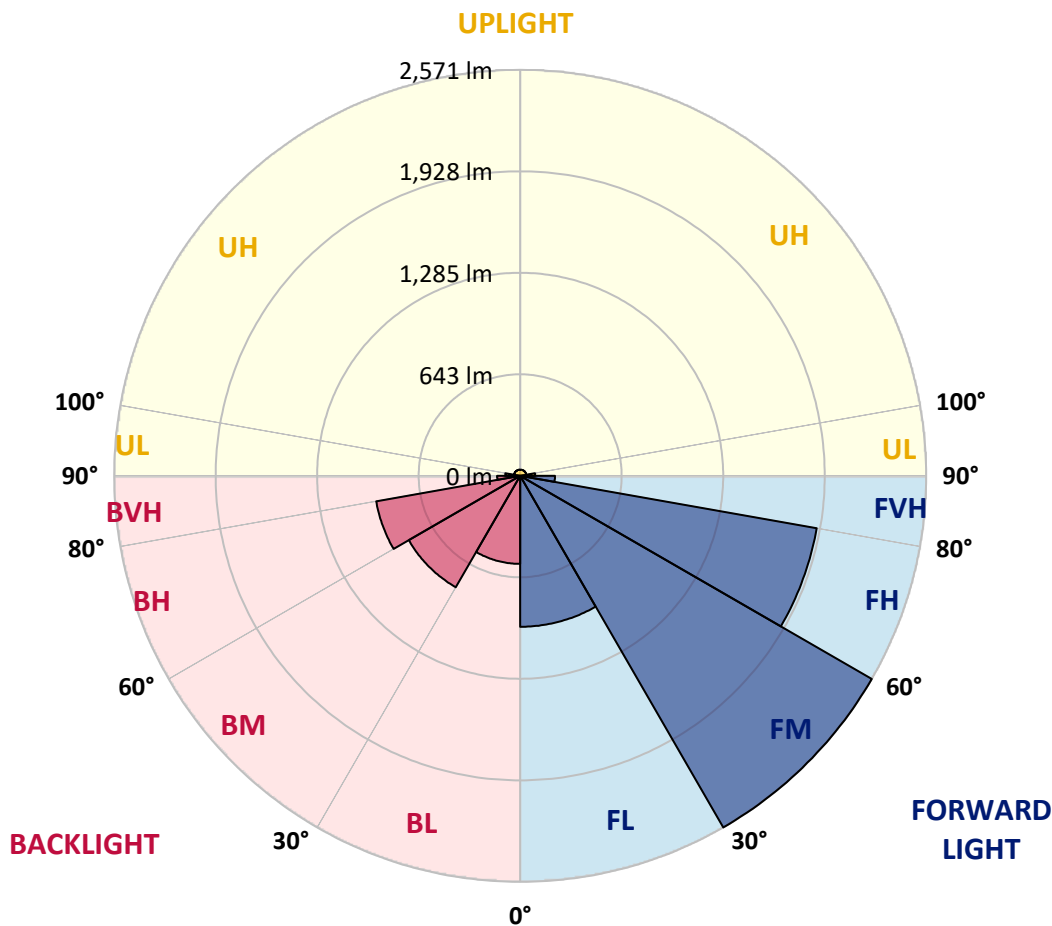
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	956.2	11.6			
FM (30°-60°)	2570.9	31.2			
FH (60°-80°)	1906.6	23.2			G2/5000
FVH (80°-90°)	220.2	2.7			G2/225
BL (0°-30°)	557.4	6.8	B2/1000		
BM (30°-60°)	814.8	9.9	B1/1000		
BH (60°-80°)	925.6	11.2	B2/1000		G2/1000
BVH (80°-90°)	146.0	1.8			G2/225
UL (90°-100°)	94.9	1.2		U3/500	
UH (100°-180°)	39.4	0.5		U2/50	

BUG Rating: B2-U3-G2

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	89°
0°	1784.2	1784.2	1784.2	1784.2	1784.2	1784.2	1784.2	1784.2	1784.2	1784.2	1784.2
2.5°	1872.4	1862.6	1862.6	1862.6	1843.0	1843.0	1829.9	1823.4	1810.3	1800.5	1797.3
5°	1980.3	1973.7	1973.7	1970.5	1950.9	1937.8	1911.6	1888.8	1869.2	1836.5	1820.1
7.5°	2065.2	2055.4	2055.4	2052.2	2032.6	2016.2	1986.8	1934.5	1895.3	1859.4	1833.2
10°	2094.6	2091.4	2088.1	2078.3	2062.0	2048.9	2022.7	1973.7	1911.6	1852.8	1820.1
12.5°	2150.2	2150.2	2140.4	2127.3	2114.2	2101.2	2065.2	2026.0	1957.4	1865.9	1823.4
15°	2222.1	2215.5	2209.0	2202.5	2192.7	2173.1	2140.4	2091.4	2012.9	1901.8	1856.1
17.5°	2251.5	2248.2	2248.2	2251.5	2248.2	2235.2	2228.6	2173.1	2091.4	1950.9	1898.6
20°	2258.0	2261.3	2267.8	2290.7	2297.2	2290.7	2300.5	2267.8	2173.1	2016.2	1947.6
22.5°	2297.2	2303.8	2316.8	2339.7	2349.5	2359.3	2369.1	2395.3	2300.5	2117.5	2022.7
25°	2280.9	2287.4	2326.6	2362.6	2398.5	2428.0	2490.0	2548.9	2480.2	2267.8	2146.9
27.5°	2238.4	2251.5	2320.1	2392.0	2480.2	2558.7	2673.0	2744.9	2689.4	2457.4	2320.1
30°	2274.4	2274.4	2320.1	2424.7	2539.1	2715.5	2865.8	2947.5	2908.3	2640.4	2522.7
32.5°	2199.2	2218.8	2313.6	2470.4	2646.9	2872.4	3019.4	3163.2	3176.3	2885.4	2702.4
35°	1967.2	1999.9	2078.3	2287.4	2558.7	2950.8	3208.9	3401.7	3463.8	3179.5	2911.6
37.5°	1620.8	1643.7	1780.9	1990.1	2313.6	2689.4	3104.4	3542.3	3715.5	3369.1	3176.3
40°	1434.5	1450.9	1532.6	1705.8	2003.1	2365.9	2692.6	3114.2	3208.9	3075.0	2947.5
42.5°	1372.5	1398.6	1499.9	1660.0	1901.8	2156.7	2209.0	2365.9	2316.8	2333.2	2222.1
45°	1457.4	1467.2	1542.4	1682.9	1829.9	1898.6	1829.9	1937.8	1990.1	1980.3	1869.2
47.5°	1499.9	1516.2	1597.9	1777.7	1777.7	1780.9	1865.9	1931.3	2081.6	2222.1	2143.7
50°	1287.5	1310.4	1460.7	1604.5	1627.3	1898.6	2120.8	2248.2	2405.1	2780.9	2826.6
52.5°	1212.3	1228.7	1392.1	1679.6	1846.3	2124.0	2261.3	2378.9	2512.9	3133.8	3261.2
55°	1326.7	1356.1	1548.9	1846.3	2029.3	2195.9	2372.4	2542.3	2686.1	3411.5	3506.3
57.5°	1532.6	1588.1	1705.8	1872.4	2045.6	2195.9	2431.2	2640.4	2829.9	3519.4	3673.0
60°	1967.2	1892.0	1774.4	1829.9	1986.8	2176.3	2460.6	2712.2	2905.0	3558.6	3761.2
62.5°	2169.8	2114.2	1826.7	1751.5	1888.8	2107.7	2405.1	2712.2	2878.9	3483.4	3735.1
65°	2097.9	2052.2	1846.3	1660.0	1767.9	2012.9	2320.1	2673.0	2820.1	3388.7	3708.9
67.5°	1787.5	1741.7	1676.4	1607.7	1653.5	1918.2	2241.7	2601.1	2754.7	3310.2	3601.1
70°	1454.2	1428.0	1405.1	1457.4	1542.4	1774.4	2084.8	2441.0	2624.0	3120.7	3424.6
72.5°	1238.5	1222.1	1182.9	1235.2	1369.2	1581.6	1849.6	2205.7	2424.7	2800.5	3173.0
75°	1052.2	1042.4	1029.3	1055.5	1140.5	1339.8	1552.2	1901.8	2166.5	2444.3	2758.0
77.5°	852.9	839.8	869.2	875.8	941.1	1084.9	1222.1	1513.0	1807.1	1918.2	2058.7
80°	620.9	633.9	683.0	663.4	712.4	761.4	859.4	986.9	1218.9	1343.1	1352.9
82.5°	434.6	447.7	493.4	444.4	457.5	460.8	496.7	542.4	637.2	741.8	754.9
85°	307.2	313.7	323.5	287.6	287.6	287.6	310.4	336.6	385.6	428.1	437.9
87.5°	218.9	218.9	232.0	218.9	215.7	212.4	225.5	235.3	264.7	294.1	300.6
90°	163.4	163.4	169.9	163.4	163.4	163.4	176.5	186.3	212.4	238.5	241.8
92.5°	117.6	117.6	127.4	124.2	124.2	127.4	140.5	147.0	169.9	196.1	199.3
95°	91.5	91.5	98.0	94.8	94.8	101.3	111.1	117.6	134.0	147.0	150.3
97.5°	65.4	65.4	68.6	68.6	68.6	68.6	75.2	85.0	104.6	104.6	101.3
100°	45.7	45.7	49.0	45.7	45.7	49.0	49.0	55.6	65.4	62.1	62.1
102.5°	32.7	32.7	32.7	32.7	32.7	29.4	29.4	32.7	35.9	32.7	32.7
105°	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	19.6
107.5°	19.6	19.6	19.6	19.6	19.6	19.6	19.6	19.6	19.6	16.3	16.3
110°	16.3	16.3	16.3	16.3	16.3	16.3	16.3	16.3	16.3	16.3	13.1



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	89°
112.5°	16.3	16.3	16.3	16.3	16.3	16.3	16.3	16.3	16.3	13.1	13.1
115°	16.3	16.3	16.3	16.3	16.3	16.3	16.3	16.3	16.3	13.1	13.1
117.5°	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1
120°	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1
122.5°	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1
125°	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	13.1	13.1	9.8
127.5°	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8
130°	9.8	6.5	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	6.5
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°	1784.2	1784.2	1784.2	1784.2	1784.2	1784.2	1784.2	1784.2	1784.2	1784.2	1784.2
2.5°	1794.0	1787.5	1767.9	1745.0	1725.4	1709.0	1692.7	1679.6	1676.4	1669.8	1676.4
5°	1816.9	1794.0	1748.3	1718.8	1692.7	1666.6	1640.4	1627.3	1617.5	1611.0	1611.0
7.5°	1826.7	1794.0	1741.7	1702.5	1647.0	1591.4	1558.7	1532.6	1522.8	1532.6	1532.6
10°	1810.3	1771.1	1709.0	1650.2	1575.1	1529.3	1483.6	1460.7	1447.6	1447.6	1437.8
12.5°	1816.9	1771.1	1679.6	1591.4	1529.3	1447.6	1392.1	1365.9	1346.3	1352.9	1352.9
15°	1843.0	1780.9	1653.5	1565.3	1457.4	1392.1	1323.4	1307.1	1303.8	1294.0	1287.5
17.5°	1882.2	1790.7	1647.0	1506.4	1395.3	1316.9	1251.6	1222.1	1205.8	1196.0	1192.7
20°	1924.7	1803.8	1627.3	1450.9	1330.0	1228.7	1150.3	1111.0	1098.0	1098.0	1091.4
22.5°	1996.6	1849.6	1611.0	1424.7	1241.8	1140.5	1062.0	1006.5	980.3	977.1	973.8
25°	2114.2	1937.8	1627.3	1365.9	1189.5	1039.1	950.9	901.9	872.5	862.7	862.7
27.5°	2294.0	2058.7	1650.2	1333.2	1081.6	944.4	846.4	771.2	728.7	732.0	735.2
30°	2486.8	2238.4	1715.6	1281.0	1013.0	810.4	692.8	633.9	594.7	581.7	575.1
32.5°	2643.6	2424.7	1810.3	1238.5	885.6	647.0	545.7	503.2	460.8	424.8	411.7
35°	2885.4	2581.5	1892.0	1176.4	781.0	529.4	441.1	375.8	339.8	323.5	317.0
37.5°	3104.4	2735.1	1954.1	1163.3	633.9	454.2	349.7	281.0	245.1	241.8	241.8
40°	2839.7	2542.3	1908.4	1058.8	500.0	352.9	251.6	199.3	173.2	160.1	160.1
42.5°	2173.1	1947.6	1454.2	882.3	359.5	238.5	160.1	150.3	147.0	134.0	134.0
45°	1820.1	1437.8	882.3	460.8	169.9	130.7	114.4	114.4	117.6	127.4	127.4
47.5°	2186.1	1699.2	650.3	330.0	166.7	114.4	101.3	91.5	85.0	81.7	81.7
50°	2829.9	2418.1	830.0	392.1	199.3	117.6	91.5	81.7	78.4	75.2	68.6
52.5°	3300.4	2833.2	1094.7	598.0	320.2	150.3	91.5	68.6	52.3	45.7	42.5
55°	3584.7	3195.9	1290.8	859.4	519.6	251.6	114.4	62.1	45.7	39.2	35.9
57.5°	3738.3	3238.4	1454.2	1094.7	764.7	447.7	199.3	75.2	45.7	35.9	35.9
60°	3757.9	3244.9	1532.6	1251.6	973.8	679.7	379.1	147.0	58.8	42.5	39.2
62.5°	3741.6	3189.3	1552.2	1313.6	1101.2	869.2	598.0	290.8	91.5	49.0	45.7
65°	3712.2	3192.6	1464.0	1258.1	1101.2	931.3	692.8	382.3	130.7	55.6	52.3
67.5°	3614.1	3182.8	1414.9	1137.2	996.7	833.3	620.9	356.2	150.3	68.6	65.4
70°	3414.8	3065.2	1385.5	1088.2	934.6	741.8	522.8	284.3	169.9	117.6	127.4
72.5°	3189.3	2852.8	1356.1	1045.7	911.7	738.5	526.1	307.2	228.7	192.8	205.9
75°	2852.8	2483.5	1303.8	1003.2	898.6	761.4	532.6	290.8	215.7	173.2	169.9
77.5°	2195.9	2065.2	1189.5	898.6	816.9	702.6	454.2	222.2	160.1	120.9	117.6
80°	1434.5	1418.2	928.0	725.4	689.5	620.9	379.1	173.2	127.4	98.0	91.5
82.5°	810.4	777.7	578.4	457.5	486.9	503.2	307.2	130.7	98.0	78.4	71.9
85°	460.8	467.3	336.6	248.4	251.6	297.4	199.3	91.5	62.1	45.7	42.5
87.5°	317.0	326.8	218.9	166.7	150.3	140.5	104.6	55.6	35.9	22.9	16.3
90°	258.2	258.2	163.4	120.9	104.6	91.5	58.8	32.7	26.1	13.1	9.8
92.5°	209.1	218.9	137.2	98.0	81.7	71.9	45.7	22.9	16.3	9.8	6.5
95°	156.9	166.7	111.1	81.7	65.4	55.6	39.2	19.6	13.1	6.5	6.5
97.5°	107.8	107.8	78.4	62.1	52.3	42.5	29.4	16.3	9.8	6.5	6.5
100°	62.1	65.4	45.7	39.2	35.9	32.7	19.6	13.1	6.5	3.3	3.3
102.5°	32.7	32.7	22.9	22.9	19.6	19.6	16.3	9.8	6.5	3.3	3.3
105°	19.6	19.6	16.3	16.3	13.1	13.1	9.8	6.5	3.3	0.0	3.3
107.5°	16.3	16.3	13.1	13.1	9.8	9.8	6.5	6.5	3.3	0.0	0.0
110°	13.1	13.1	9.8	9.8	9.8	6.5	6.5	3.3	3.3	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	13.1	13.1	9.8	9.8	6.5	6.5	6.5	3.3	3.3	0.0	0.0
115°	13.1	9.8	9.8	6.5	6.5	6.5	3.3	3.3	0.0	0.0	0.0
117.5°	13.1	9.8	6.5	6.5	6.5	3.3	3.3	3.3	0.0	0.0	0.0
120°	13.1	9.8	6.5	6.5	6.5	6.5	3.3	3.3	0.0	0.0	0.0
122.5°	13.1	9.8	6.5	6.5	6.5	3.3	3.3	3.3	0.0	0.0	0.0
125°	9.8	9.8	6.5	6.5	3.3	3.3	3.3	3.3	0.0	0.0	0.0
127.5°	9.8	9.8	6.5	6.5	3.3	3.3	3.3	3.3	0.0	0.0	0.0
130°	9.8	9.8	6.5	6.5	3.3	3.3	3.3	3.3	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)