

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: P691767

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

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691767
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-5TLD-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: 8521 lumens
Efficiency: N/A
Efficacy: 113.8 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.29')
IES Classification: Type III - Short
BUG Rating: B2 - U3 - G3

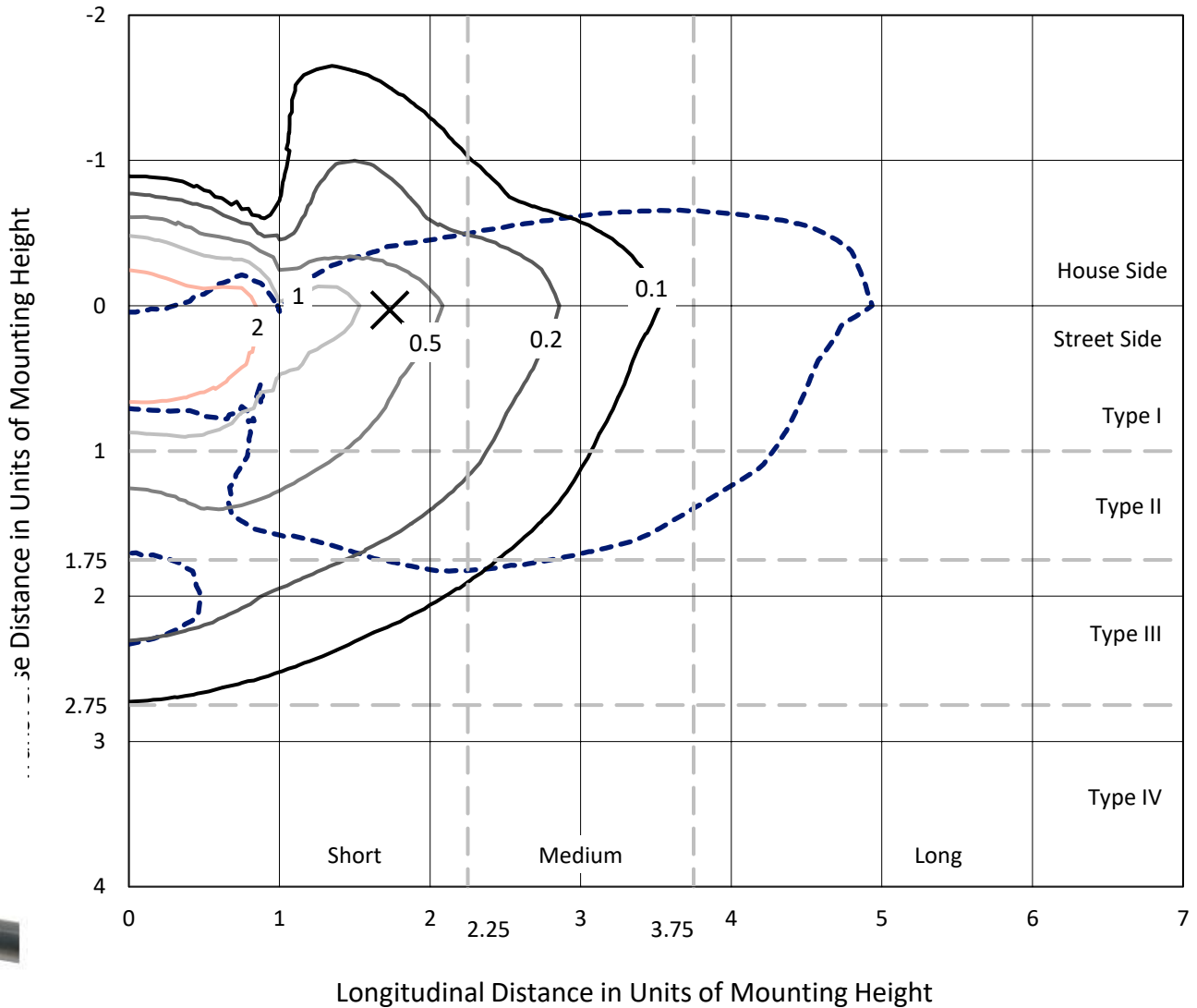
Input Watts (W): 74.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

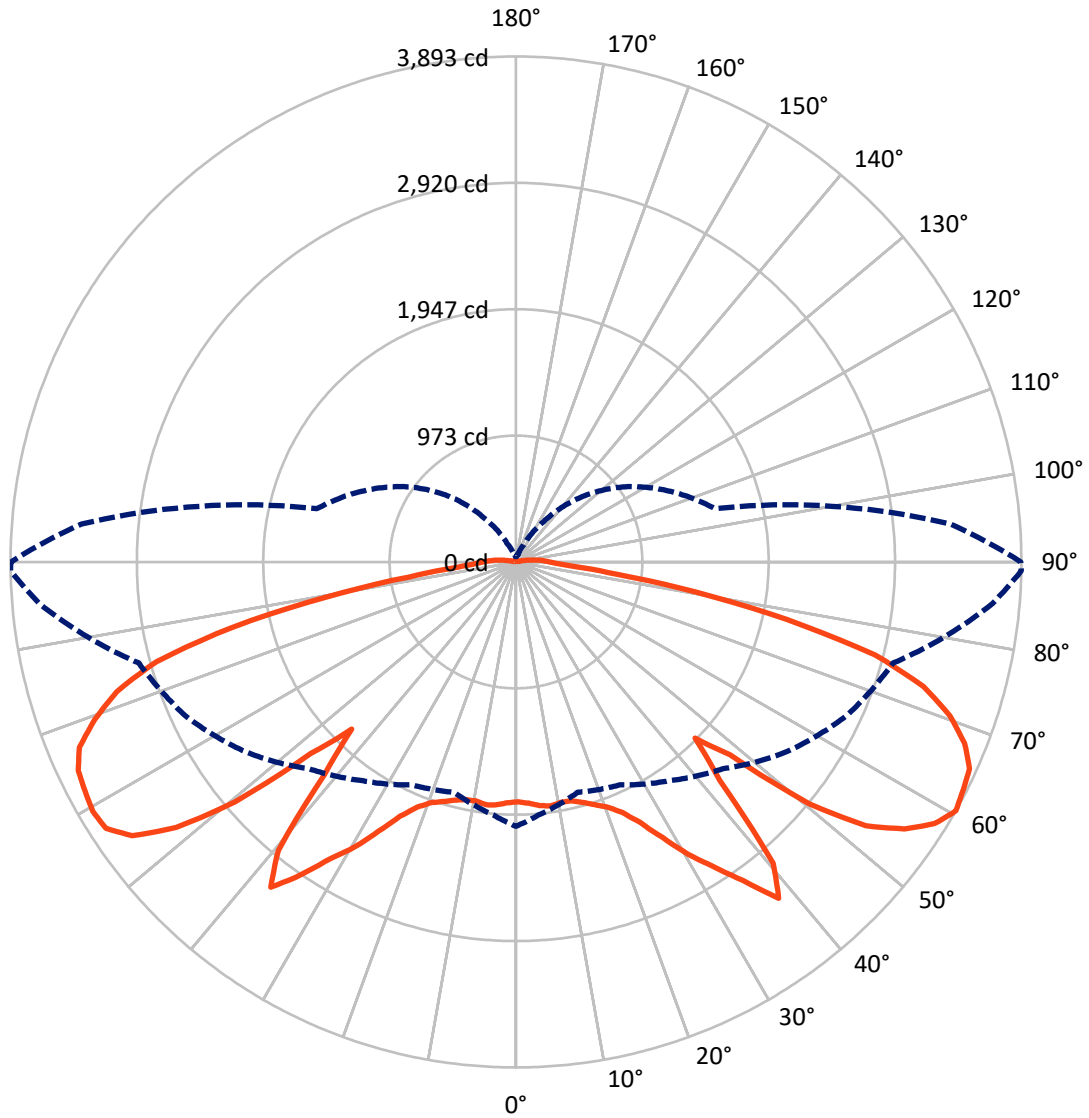
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.3 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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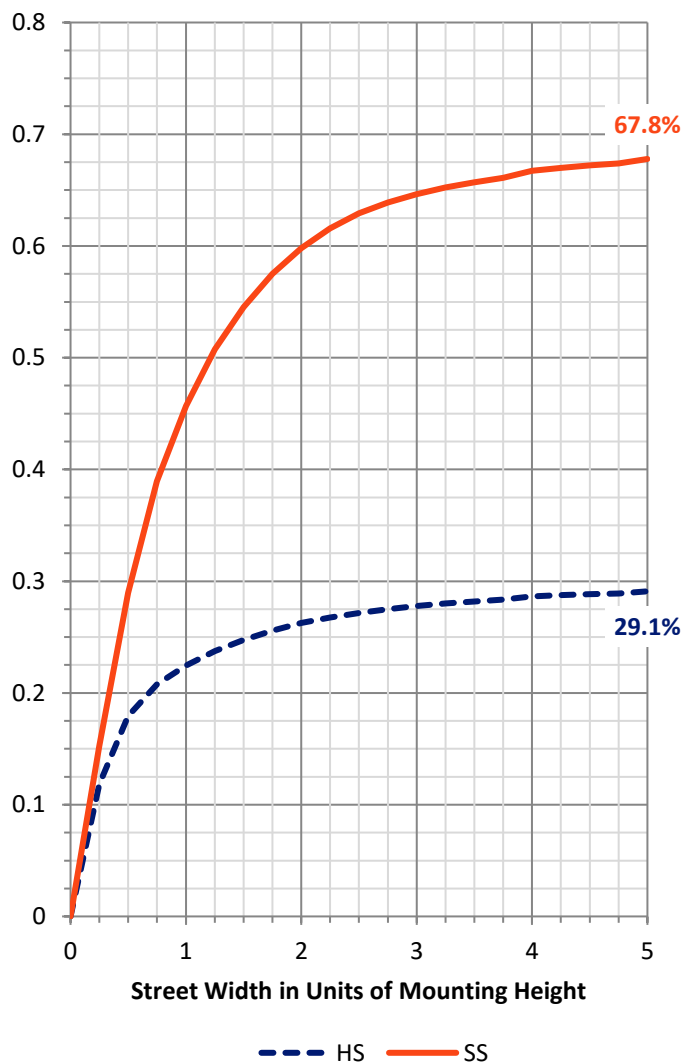
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2529.6	47.5	2577.1
	% Fixture	29.7	0.6	30.2
Street Side	Lumens	5852.4	91.5	5943.9
	% Fixture	68.7	1.1	69.8
Total	Lumens	8382.0	139.0	8521.0
	% Fixture	98.4	1.6	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	177.6	2.1
10°-20°	524.1	6.2
20°-30°	865.1	10.2
30°-40°	1173.5	13.8
40°-50°	977.5	11.5
50°-60°	1353.6	15.9
60°-70°	1668.4	19.6
70°-80°	1263.3	14.8
80°-90°	379.0	4.4
90°-100°	98.2	1.2
100°-110°	22.4	0.3
110°-120°	10.5	0.1
120°-130°	7.1	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°	8382.0	98.4
0°-180°	8521.0	100.0

Coefficient of Utilization



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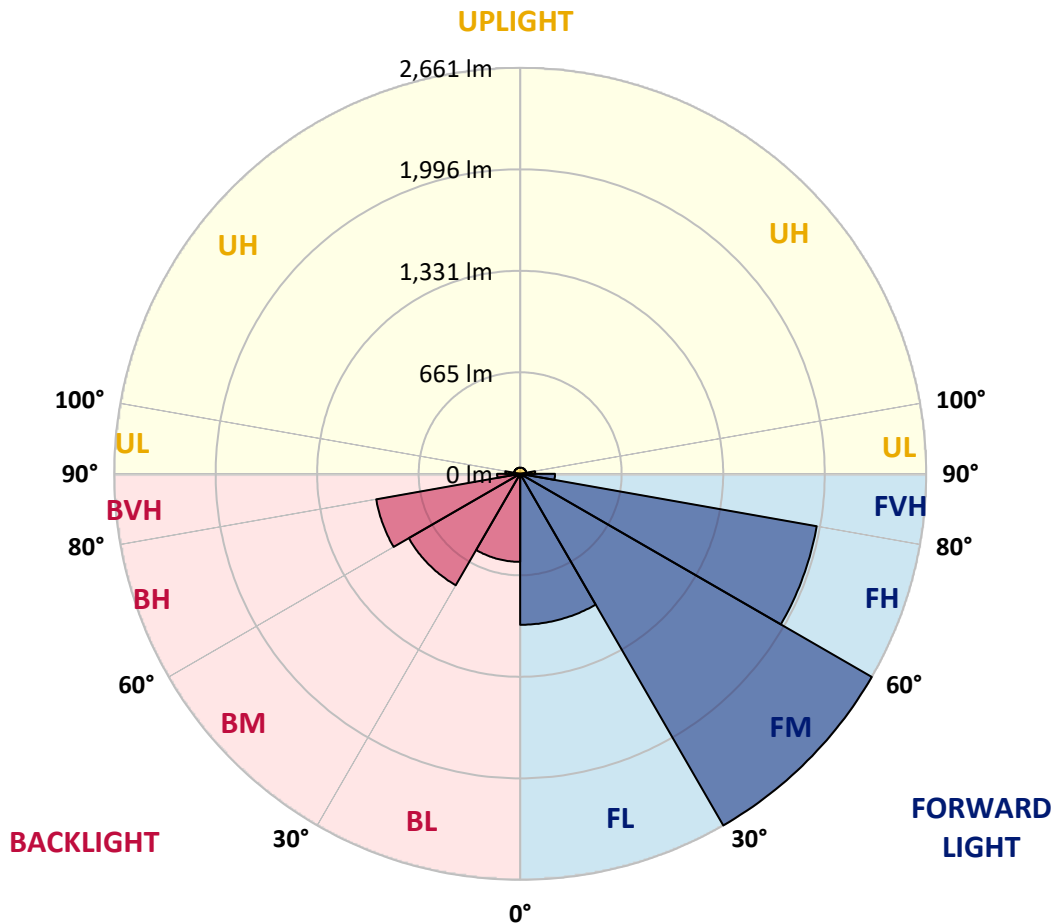
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	989.8	11.6			
FM (30°-60°)	2661.2	31.2			
FH (60°-80°)	1973.5	23.2			G2/5000
FVH (80°-90°)	227.9	2.7			G3/500
BL (0°-30°)	577.0	6.8	B2/1000		
BM (30°-60°)	843.4	9.9	B1/1000		
BH (60°-80°)	958.1	11.2	B2/1000		G2/1000
BVH (80°-90°)	151.1	1.8			G2/225
UL (90°-100°)	98.2	1.2		U3/500	
UH (100°-180°)	40.8	0.5		U2/50	

BUG Rating: B2-U3-G3

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	89°
0°	1846.8	1846.8	1846.8	1846.8	1846.8	1846.8	1846.8	1846.8	1846.8	1846.8	1846.8
2.5°	1938.2	1928.0	1928.0	1928.0	1907.7	1907.7	1894.2	1887.4	1873.9	1863.8	1860.4
5°	2049.8	2043.0	2043.0	2039.6	2019.3	2005.8	1978.8	1955.1	1934.8	1901.0	1884.0
7.5°	2137.7	2127.6	2127.6	2124.2	2103.9	2087.0	2056.6	2002.4	1961.8	1924.6	1897.6
10°	2168.2	2164.8	2161.4	2151.3	2134.3	2120.8	2093.8	2043.0	1978.8	1917.9	1884.0
12.5°	2225.7	2225.7	2215.5	2202.0	2188.5	2174.9	2137.7	2097.1	2026.1	1931.4	1887.4
15°	2300.1	2293.3	2286.6	2279.8	2269.6	2249.4	2215.5	2164.8	2083.6	1968.6	1921.3
17.5°	2330.5	2327.2	2327.2	2330.5	2327.2	2313.6	2306.9	2249.4	2164.8	2019.3	1965.2
20°	2337.3	2340.7	2347.4	2371.1	2377.9	2371.1	2381.3	2347.4	2249.4	2087.0	2016.0
22.5°	2377.9	2384.7	2398.2	2421.9	2432.0	2442.2	2452.3	2479.4	2381.3	2191.9	2093.8
25°	2361.0	2367.7	2408.3	2445.5	2482.7	2513.2	2577.5	2638.3	2567.3	2347.4	2222.3
27.5°	2317.0	2330.5	2401.6	2476.0	2567.3	2648.5	2766.9	2841.3	2783.8	2543.6	2401.6
30°	2354.2	2354.2	2401.6	2509.8	2628.2	2810.8	2966.4	3051.0	3010.4	2733.1	2611.3
32.5°	2276.4	2296.7	2394.8	2557.2	2739.8	2973.2	3125.4	3274.2	3287.8	2986.7	2797.3
35°	2036.3	2070.1	2151.3	2367.7	2648.5	3054.4	3321.6	3521.2	3585.4	3291.2	3013.8
37.5°	1677.7	1701.4	1843.5	2059.9	2394.8	2783.8	3213.4	3666.6	3845.9	3487.3	3287.8
40°	1484.9	1501.8	1586.4	1765.7	2073.5	2448.9	2787.2	3223.5	3321.6	3182.9	3051.0
42.5°	1420.6	1447.7	1552.6	1718.3	1968.6	2232.4	2286.6	2448.9	2398.2	2415.1	2300.1
45°	1508.6	1518.7	1596.5	1742.0	1894.2	1965.2	1894.2	2005.8	2059.9	2049.8	1934.8
47.5°	1552.6	1569.5	1654.0	1840.1	1840.1	1843.5	1931.4	1999.1	2154.6	2300.1	2218.9
50°	1332.7	1356.4	1512.0	1660.8	1684.5	1965.2	2195.2	2327.2	2489.5	2878.5	2925.9
52.5°	1254.9	1271.8	1440.9	1738.6	1911.1	2198.6	2340.7	2462.5	2601.1	3243.8	3375.7
55°	1373.3	1403.7	1603.3	1911.1	2100.5	2273.0	2455.7	2631.6	2780.4	3531.3	3629.4
57.5°	1586.4	1643.9	1765.7	1938.2	2117.4	2273.0	2516.6	2733.1	2929.2	3642.9	3801.9
60°	2036.3	1958.5	1836.7	1894.2	2056.6	2252.7	2547.0	2807.5	3007.0	3683.5	3893.2
62.5°	2246.0	2188.5	1890.8	1813.0	1955.1	2181.7	2489.5	2807.5	2980.0	3605.7	3866.2
65°	2171.6	2124.2	1911.1	1718.3	1829.9	2083.6	2401.6	2766.9	2919.1	3507.6	3839.1
67.5°	1850.2	1802.9	1735.2	1664.2	1711.5	1985.5	2320.4	2692.5	2851.4	3426.5	3727.5
70°	1505.2	1478.1	1454.5	1508.6	1596.5	1836.7	2158.0	2526.7	2716.1	3230.3	3544.8
72.5°	1282.0	1265.1	1224.5	1278.6	1417.3	1637.1	1914.5	2283.2	2509.8	2898.8	3284.4
75°	1089.2	1079.0	1065.5	1092.5	1180.5	1386.8	1606.7	1968.6	2242.6	2530.1	2854.8
77.5°	882.8	869.3	899.7	906.5	974.2	1123.0	1265.1	1566.1	1870.5	1985.5	2131.0
80°	642.7	656.2	706.9	686.6	737.4	788.1	889.6	1021.5	1261.7	1390.2	1400.3
82.5°	449.9	463.4	510.8	460.0	473.5	476.9	514.1	561.5	659.6	767.8	781.4
85°	318.0	324.7	334.9	297.7	297.7	297.7	321.3	348.4	399.1	443.1	453.3
87.5°	226.6	226.6	240.2	226.6	223.2	219.9	233.4	243.5	274.0	304.4	311.2
90°	169.1	169.1	175.9	169.1	169.1	169.1	182.7	192.8	219.9	246.9	250.3
92.5°	121.8	121.8	131.9	128.5	128.5	131.9	145.4	152.2	175.9	202.9	206.3
95°	94.7	94.7	101.5	98.1	98.1	104.9	115.0	121.8	138.7	152.2	155.6
97.5°	67.6	67.6	71.0	71.0	71.0	71.0	77.8	87.9	108.2	108.2	104.9
100°	47.4	47.4	50.7	47.4	47.4	50.7	50.7	57.5	67.6	64.3	64.3
102.5°	33.8	33.8	33.8	33.8	33.8	30.4	30.4	33.8	37.2	33.8	33.8
105°	23.7	23.7	23.7	23.7	23.7	23.7	23.7	23.7	23.7	23.7	20.3
107.5°	20.3	20.3	20.3	20.3	20.3	20.3	20.3	20.3	20.3	16.9	16.9
110°	16.9	16.9	16.9	16.9	16.9	16.9	16.9	16.9	16.9	16.9	13.5



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	89°
112.5°	16.9	16.9	16.9	16.9	16.9	16.9	16.9	16.9	16.9	13.5	13.5
115°	16.9	16.9	16.9	16.9	16.9	16.9	16.9	16.9	16.9	13.5	13.5
117.5°	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5
120°	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5
122.5°	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5
125°	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	13.5	13.5	10.1
127.5°	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1
130°	10.1	6.8	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	6.8
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°	1846.8	1846.8	1846.8	1846.8	1846.8	1846.8	1846.8	1846.8	1846.8	1846.8	1846.8
2.5°	1857.0	1850.2	1829.9	1806.2	1786.0	1769.0	1752.1	1738.6	1735.2	1728.5	1735.2
5°	1880.7	1857.0	1809.6	1779.2	1752.1	1725.1	1698.0	1684.5	1674.3	1667.6	1667.6
7.5°	1890.8	1857.0	1802.9	1762.3	1704.8	1647.3	1613.4	1586.4	1576.2	1586.4	1586.4
10°	1873.9	1833.3	1769.0	1708.2	1630.4	1583.0	1535.6	1512.0	1498.4	1498.4	1488.3
12.5°	1880.7	1833.3	1738.6	1647.3	1583.0	1498.4	1440.9	1413.9	1393.6	1400.3	1400.3
15°	1907.7	1843.5	1711.5	1620.2	1508.6	1440.9	1369.9	1353.0	1349.6	1339.5	1332.7
17.5°	1948.3	1853.6	1704.8	1559.3	1444.3	1363.1	1295.5	1265.1	1248.1	1238.0	1234.6
20°	1992.3	1867.1	1684.5	1501.8	1376.7	1271.8	1190.6	1150.0	1136.5	1136.5	1129.8
22.5°	2066.7	1914.5	1667.6	1474.8	1285.3	1180.5	1099.3	1041.8	1014.7	1011.4	1008.0
25°	2188.5	2005.8	1684.5	1413.9	1231.2	1075.6	984.3	933.6	903.1	893.0	893.0
27.5°	2374.5	2131.0	1708.2	1380.1	1119.6	977.5	876.1	798.3	754.3	757.7	761.1
30°	2574.1	2317.0	1775.8	1325.9	1048.6	838.9	717.1	656.2	615.6	602.1	595.3
32.5°	2736.4	2509.8	1873.9	1282.0	916.7	669.7	564.9	520.9	476.9	439.7	426.2
35°	2986.7	2672.2	1958.5	1217.7	808.4	548.0	456.6	389.0	351.8	334.9	328.1
37.5°	3213.4	2831.1	2022.7	1204.2	656.2	470.2	361.9	290.9	253.7	250.3	250.3
40°	2939.4	2631.6	1975.4	1095.9	517.5	365.3	260.5	206.3	179.3	165.7	165.7
42.5°	2249.4	2016.0	1505.2	913.3	372.1	246.9	165.7	155.6	152.2	138.7	138.7
45°	1884.0	1488.3	913.3	476.9	175.9	135.3	118.4	118.4	121.8	131.9	131.9
47.5°	2262.9	1758.9	673.1	341.6	172.5	118.4	104.9	94.7	87.9	84.6	84.6
50°	2929.2	2503.0	859.2	405.9	206.3	121.8	94.7	84.6	81.2	77.8	71.0
52.5°	3416.3	2932.6	1133.1	619.0	331.5	155.6	94.7	71.0	54.1	47.4	44.0
55°	3710.6	3308.1	1336.1	889.6	537.8	260.5	118.4	64.3	47.4	40.6	37.2
57.5°	3869.6	3352.0	1505.2	1133.1	791.5	463.4	206.3	77.8	47.4	37.2	37.2
60°	3889.9	3358.8	1586.4	1295.5	1008.0	703.6	392.4	152.2	60.9	44.0	40.6
62.5°	3872.9	3301.3	1606.7	1359.8	1139.9	899.7	619.0	301.0	94.7	50.7	47.4
65°	3842.5	3304.7	1515.4	1302.3	1139.9	964.0	717.1	395.8	135.3	57.5	54.1
67.5°	3741.0	3294.5	1464.6	1177.1	1031.7	862.5	642.7	368.7	155.6	71.0	67.6
70°	3534.7	3172.8	1434.2	1126.4	967.4	767.8	541.2	294.3	175.9	121.8	131.9
72.5°	3301.3	2952.9	1403.7	1082.4	943.7	764.4	544.6	318.0	236.8	199.6	213.1
75°	2952.9	2570.7	1349.6	1038.4	930.2	788.1	551.3	301.0	223.2	179.3	175.9
77.5°	2273.0	2137.7	1231.2	930.2	845.6	727.2	470.2	230.0	165.7	125.2	121.8
80°	1484.9	1468.0	960.6	750.9	713.7	642.7	392.4	179.3	131.9	101.5	94.7
82.5°	838.9	805.0	598.7	473.5	504.0	520.9	318.0	135.3	101.5	81.2	74.4
85°	476.9	483.7	348.4	257.1	260.5	307.8	206.3	94.7	64.3	47.4	44.0
87.5°	328.1	338.2	226.6	172.5	155.6	145.4	108.2	57.5	37.2	23.7	16.9
90°	267.2	267.2	169.1	125.2	108.2	94.7	60.9	33.8	27.1	13.5	10.1
92.5°	216.5	226.6	142.1	101.5	84.6	74.4	47.4	23.7	16.9	10.1	6.8
95°	162.4	172.5	115.0	84.6	67.6	57.5	40.6	20.3	13.5	6.8	6.8
97.5°	111.6	111.6	81.2	64.3	54.1	44.0	30.4	16.9	10.1	6.8	6.8
100°	64.3	67.6	47.4	40.6	37.2	33.8	20.3	13.5	6.8	3.4	3.4
102.5°	33.8	33.8	23.7	23.7	20.3	20.3	16.9	10.1	6.8	3.4	3.4
105°	20.3	20.3	16.9	16.9	13.5	13.5	10.1	6.8	3.4	0.0	3.4
107.5°	16.9	16.9	13.5	13.5	10.1	10.1	6.8	6.8	3.4	0.0	0.0
110°	13.5	13.5	10.1	10.1	10.1	6.8	6.8	3.4	3.4	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	13.5	13.5	10.1	10.1	6.8	6.8	6.8	3.4	3.4	0.0	0.0
115°	13.5	10.1	10.1	6.8	6.8	6.8	3.4	3.4	0.0	0.0	0.0
117.5°	13.5	10.1	6.8	6.8	6.8	3.4	3.4	3.4	0.0	0.0	0.0
120°	13.5	10.1	6.8	6.8	6.8	6.8	3.4	3.4	0.0	0.0	0.0
122.5°	13.5	10.1	6.8	6.8	6.8	3.4	3.4	3.4	0.0	0.0	0.0
125°	10.1	10.1	6.8	6.8	3.4	3.4	3.4	3.4	0.0	0.0	0.0
127.5°	10.1	10.1	6.8	6.8	3.4	3.4	3.4	3.4	0.0	0.0	0.0
130°	10.1	10.1	6.8	6.8	3.4	3.4	3.4	3.4	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)