

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: P691583

Luminaire Tested: **CRTK2-C018-5TLD-U-T2-7050-SR-CARETAKER-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691583
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-C018-5TLD-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: 6722 lumens
Efficiency: N/A
Efficacy: 125.2 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.29')
IES Classification: Type III - Short
BUG Rating: B2 - U3 - G2

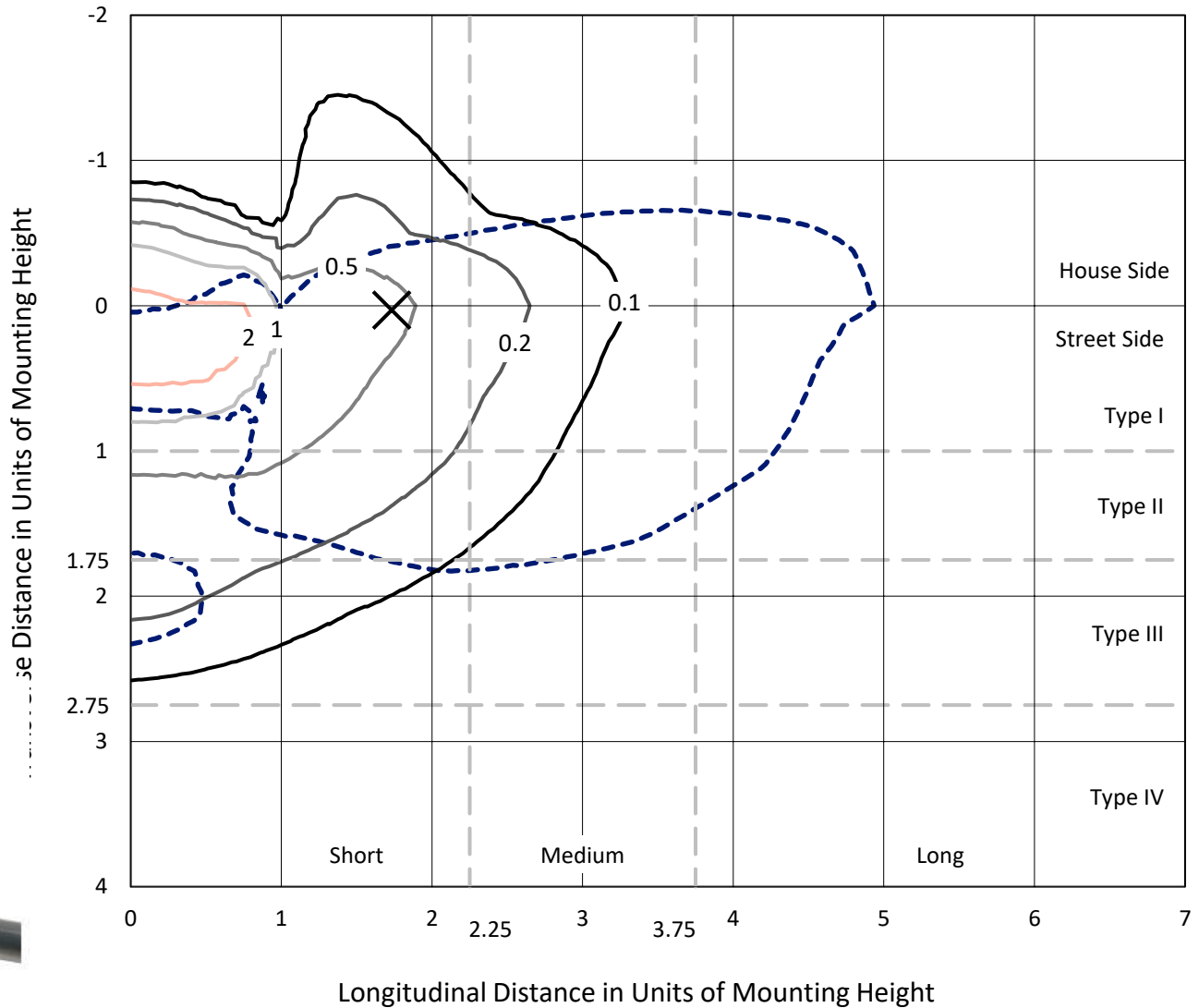
Input Watts (W): 53.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

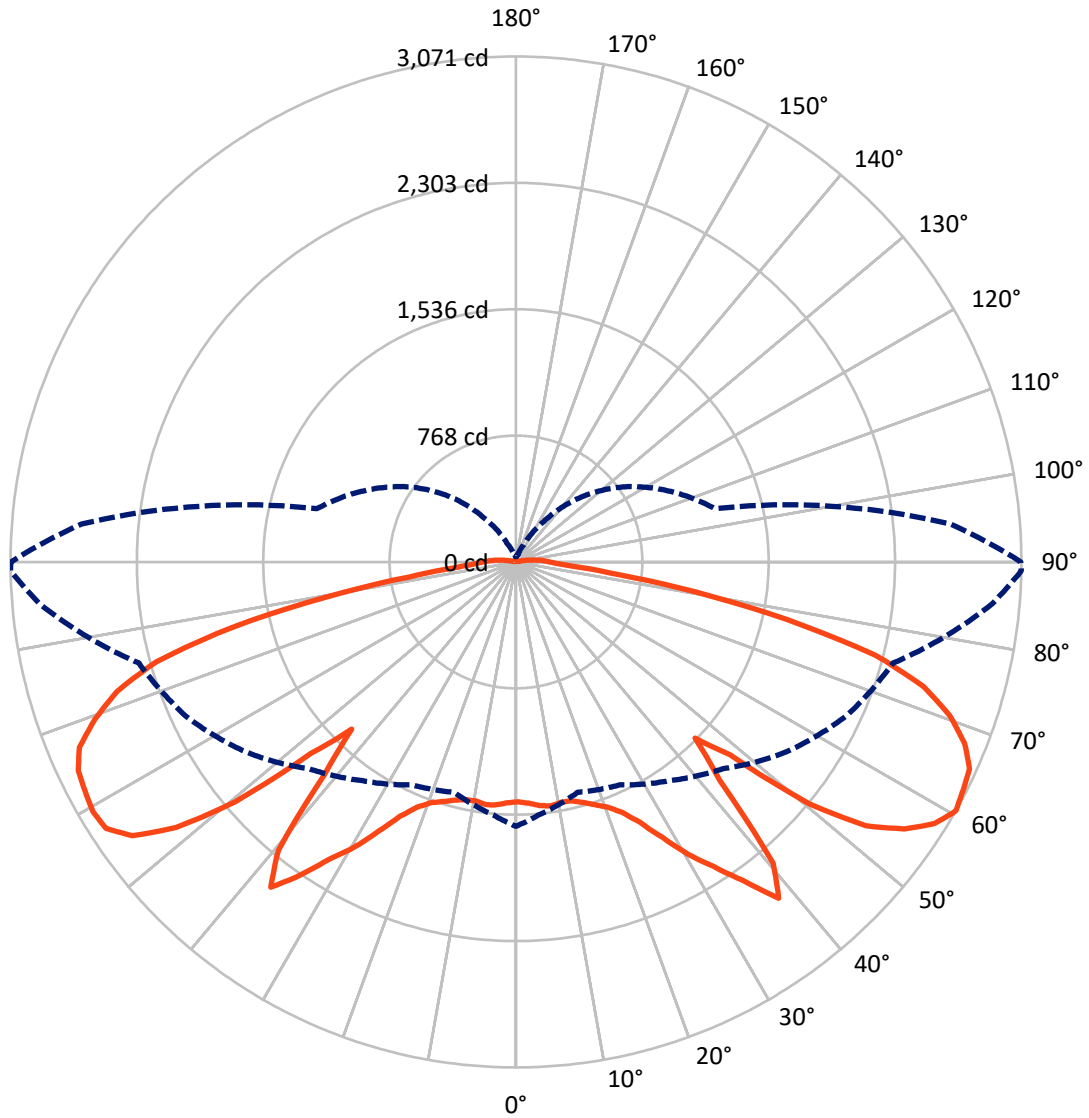
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.6 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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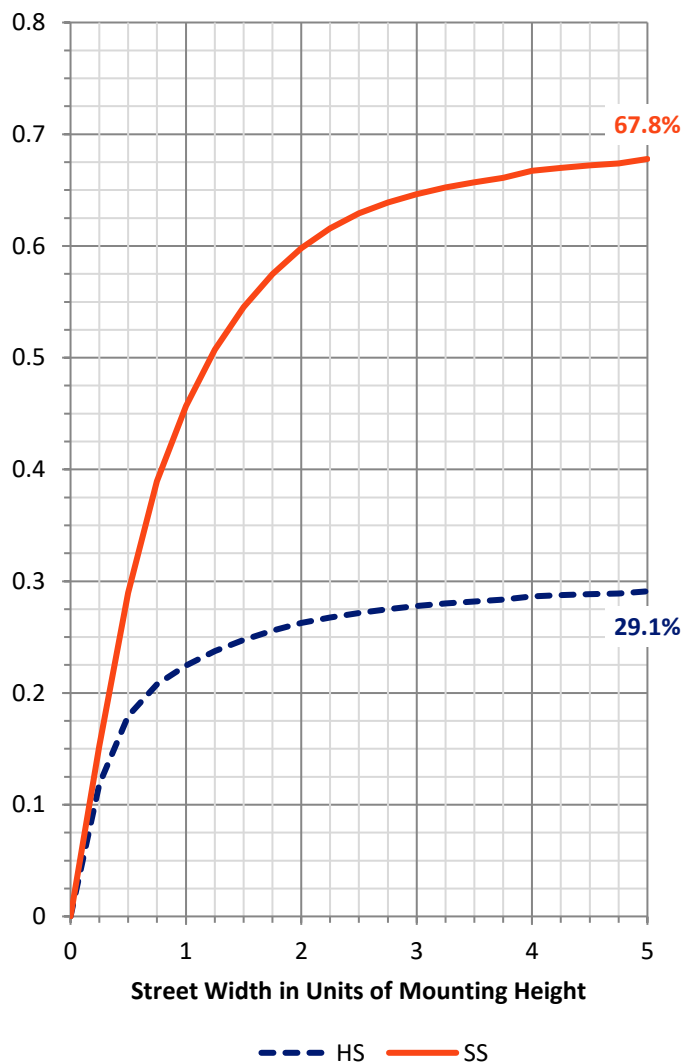
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1995.5	37.5	2033.0
	% Fixture	29.7	0.6	30.2
Street Side	Lumens	4616.8	72.2	4689.0
	% Fixture	68.7	1.1	69.8
Total	Lumens	6612.3	109.7	6722.0
	% Fixture	98.4	1.6	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	140.1	2.1
10°-20°	413.4	6.2
20°-30°	682.4	10.2
30°-40°	925.7	13.8
40°-50°	771.1	11.5
50°-60°	1067.8	15.9
60°-70°	1316.1	19.6
70°-80°	996.6	14.8
80°-90°	299.0	4.4
90°-100°	77.5	1.2
100°-110°	17.7	0.3
110°-120°	8.3	0.1
120°-130°	5.6	0.1
130°-140°	0.6	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°	6612.3	98.4
0°-180°	6722.0	100.0

Coefficient of Utilization



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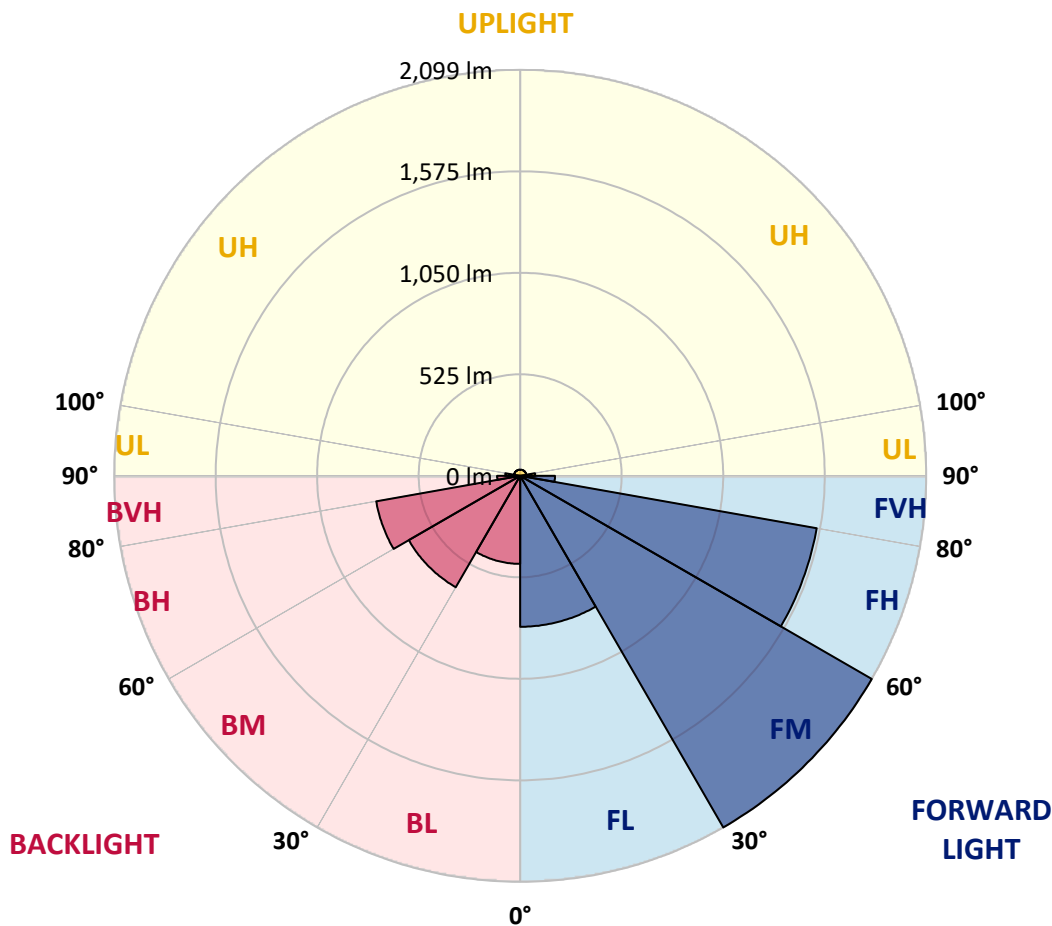
CATALOG NUMBER: CRTK2-C018-5TLD-U-T2-7050-SR-CARETAKER-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	780.8	11.6			
FM (30°-60°)	2099.3	31.2			
FH (60°-80°)	1556.8	23.2			G1/1800
FVH (80°-90°)	179.8	2.7			G2/225
BL (0°-30°)	455.1	6.8	B1/500		
BM (30°-60°)	665.3	9.9	B1/1000		
BH (60°-80°)	755.9	11.2	B2/1000		G2/1000
BVH (80°-90°)	119.2	1.8			G2/225
UL (90°-100°)	77.5	1.2		U3/500	
UH (100°-180°)	32.2	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°	1456.9	1456.9	1456.9	1456.9	1456.9	1456.9	1456.9	1456.9	1456.9	1456.9	1456.9
2.5°	1529.0	1521.0	1521.0	1521.0	1505.0	1505.0	1494.3	1488.9	1478.3	1470.3	1467.6
5°	1617.0	1611.7	1611.7	1609.0	1593.0	1582.3	1561.0	1542.3	1526.3	1499.6	1486.3
7.5°	1686.4	1678.4	1678.4	1675.7	1659.7	1646.4	1622.4	1579.7	1547.6	1518.3	1496.9
10°	1710.4	1707.7	1705.1	1697.1	1683.7	1673.1	1651.7	1611.7	1561.0	1513.0	1486.3
12.5°	1755.8	1755.8	1747.8	1737.1	1726.4	1715.8	1686.4	1654.4	1598.3	1523.6	1488.9
15°	1814.5	1809.1	1803.8	1798.5	1790.5	1774.5	1747.8	1707.7	1643.7	1553.0	1515.6
17.5°	1838.5	1835.8	1835.8	1838.5	1835.8	1825.2	1819.8	1774.5	1707.7	1593.0	1550.3
20°	1843.8	1846.5	1851.8	1870.5	1875.9	1870.5	1878.5	1851.8	1774.5	1646.4	1590.3
22.5°	1875.9	1881.2	1891.9	1910.5	1918.5	1926.6	1934.6	1955.9	1878.5	1729.1	1651.7
25°	1862.5	1867.9	1899.9	1929.2	1958.6	1982.6	2033.3	2081.3	2025.3	1851.8	1753.1
27.5°	1827.8	1838.5	1894.5	1953.2	2025.3	2089.3	2182.7	2241.4	2196.1	2006.6	1894.5
30°	1857.2	1857.2	1894.5	1979.9	2073.3	2217.4	2340.2	2406.9	2374.8	2156.0	2060.0
32.5°	1795.8	1811.8	1889.2	2017.3	2161.4	2345.5	2465.6	2583.0	2593.6	2356.2	2206.7
35°	1606.4	1633.0	1697.1	1867.9	2089.3	2409.5	2620.3	2777.8	2828.5	2596.3	2377.5
37.5°	1323.5	1342.2	1454.3	1625.0	1889.2	2196.1	2534.9	2892.5	3033.9	2751.1	2593.6
40°	1171.4	1184.8	1251.5	1392.9	1635.7	1931.9	2198.7	2542.9	2620.3	2510.9	2406.9
42.5°	1120.7	1142.1	1224.8	1355.5	1553.0	1761.1	1803.8	1931.9	1891.9	1905.2	1814.5
45°	1190.1	1198.1	1259.5	1374.2	1494.3	1550.3	1494.3	1582.3	1625.0	1617.0	1526.3
47.5°	1224.8	1238.1	1304.8	1451.6	1451.6	1454.3	1523.6	1577.0	1699.7	1814.5	1750.4
50°	1051.3	1070.0	1192.8	1310.2	1328.8	1550.3	1731.8	1835.8	1963.9	2270.8	2308.1
52.5°	990.0	1003.3	1136.7	1371.5	1507.6	1734.4	1846.5	1942.6	2052.0	2559.0	2663.0
55°	1083.4	1107.4	1264.8	1507.6	1657.1	1793.1	1937.2	2076.0	2193.4	2785.8	2863.1
57.5°	1251.5	1296.8	1392.9	1529.0	1670.4	1793.1	1985.3	2156.0	2310.8	2873.8	2999.2
60°	1606.4	1545.0	1448.9	1494.3	1622.4	1777.1	2009.3	2214.7	2372.2	2905.8	3071.3
62.5°	1771.8	1726.4	1491.6	1430.2	1542.3	1721.1	1963.9	2214.7	2350.8	2844.5	3049.9
65°	1713.1	1675.7	1507.6	1355.5	1443.6	1643.7	1894.5	2182.7	2302.8	2767.1	3028.6
67.5°	1459.6	1422.2	1368.9	1312.8	1350.2	1566.3	1830.5	2124.0	2249.4	2703.0	2940.5
70°	1187.4	1166.1	1147.4	1190.1	1259.5	1448.9	1702.4	1993.3	2142.7	2548.3	2796.4
72.5°	1011.3	998.0	965.9	1008.6	1118.0	1291.5	1510.3	1801.1	1979.9	2286.8	2591.0
75°	859.2	851.2	840.5	861.9	931.3	1094.0	1267.5	1553.0	1769.1	1995.9	2252.1
77.5°	696.4	685.8	709.8	715.1	768.5	885.9	998.0	1235.4	1475.6	1566.3	1681.1
80°	507.0	517.7	557.7	541.7	581.7	621.7	701.8	805.8	995.3	1096.7	1104.7
82.5°	354.9	365.6	402.9	362.9	373.6	376.2	405.6	442.9	520.3	605.7	616.4
85°	250.8	256.2	264.2	234.8	234.8	234.8	253.5	274.8	314.9	349.6	357.6
87.5°	178.8	178.8	189.5	178.8	176.1	173.4	184.1	192.1	216.1	240.2	245.5
90°	133.4	133.4	138.8	133.4	133.4	133.4	144.1	152.1	173.4	194.8	197.5
92.5°	96.1	96.1	104.1	101.4	101.4	104.1	114.7	120.1	138.8	160.1	162.8
95°	74.7	74.7	80.1	77.4	77.4	82.7	90.7	96.1	109.4	120.1	122.7
97.5°	53.4	53.4	56.0	56.0	56.0	56.0	61.4	69.4	85.4	85.4	82.7
100°	37.4	37.4	40.0	37.4	37.4	40.0	40.0	45.4	53.4	50.7	50.7
102.5°	26.7	26.7	26.7	26.7	26.7	24.0	24.0	26.7	29.4	26.7	26.7
105°	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	16.0
107.5°	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	13.3	13.3
110°	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	10.7



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	89°
112.5°	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	10.7	10.7
115°	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	10.7	10.7
117.5°	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7
120°	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7
122.5°	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7
125°	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	10.7	10.7	8.0
127.5°	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0
130°	8.0	5.3	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	5.3
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°	1456.9	1456.9	1456.9	1456.9	1456.9	1456.9	1456.9	1456.9	1456.9	1456.9	1456.9
2.5°	1464.9	1459.6	1443.6	1424.9	1408.9	1395.6	1382.2	1371.5	1368.9	1363.5	1368.9
5°	1483.6	1464.9	1427.6	1403.6	1382.2	1360.9	1339.5	1328.8	1320.8	1315.5	1315.5
7.5°	1491.6	1464.9	1422.2	1390.2	1344.9	1299.5	1272.8	1251.5	1243.5	1251.5	1251.5
10°	1478.3	1446.3	1395.6	1347.5	1286.1	1248.8	1211.4	1192.8	1182.1	1182.1	1174.1
12.5°	1483.6	1446.3	1371.5	1299.5	1248.8	1182.1	1136.7	1115.4	1099.4	1104.7	1104.7
15°	1505.0	1454.3	1350.2	1278.1	1190.1	1136.7	1080.7	1067.3	1064.7	1056.7	1051.3
17.5°	1537.0	1462.3	1344.9	1230.1	1139.4	1075.3	1022.0	998.0	984.6	976.6	974.0
20°	1571.7	1472.9	1328.8	1184.8	1086.0	1003.3	939.3	907.2	896.6	896.6	891.2
22.5°	1630.4	1510.3	1315.5	1163.4	1014.0	931.3	867.2	821.9	800.5	797.8	795.2
25°	1726.4	1582.3	1328.8	1115.4	971.3	848.5	776.5	736.5	712.5	704.4	704.4
27.5°	1873.2	1681.1	1347.5	1088.7	883.2	771.2	691.1	629.7	595.0	597.7	600.4
30°	2030.6	1827.8	1400.9	1046.0	827.2	661.8	565.7	517.7	485.6	475.0	469.6
32.5°	2158.7	1979.9	1478.3	1011.3	723.1	528.3	445.6	410.9	376.2	346.9	336.2
35°	2356.2	2108.0	1545.0	960.6	637.7	432.3	360.2	306.9	277.5	264.2	258.8
37.5°	2534.9	2233.4	1595.7	949.9	517.7	370.9	285.5	229.5	200.1	197.5	197.5
40°	2318.8	2076.0	1558.3	864.5	408.3	288.2	205.5	162.8	141.4	130.7	130.7
42.5°	1774.5	1590.3	1187.4	720.5	293.5	194.8	130.7	122.7	120.1	109.4	109.4
45°	1486.3	1174.1	720.5	376.2	138.8	106.7	93.4	93.4	96.1	104.1	104.1
47.5°	1785.1	1387.5	531.0	269.5	136.1	93.4	82.7	74.7	69.4	66.7	66.7
50°	2310.8	1974.6	677.8	320.2	162.8	96.1	74.7	66.7	64.0	61.4	56.0
52.5°	2695.0	2313.5	893.9	488.3	261.5	122.7	74.7	56.0	42.7	37.4	34.7
55°	2927.2	2609.7	1054.0	701.8	424.3	205.5	93.4	50.7	37.4	32.0	29.4
57.5°	3052.6	2644.3	1187.4	893.9	624.4	365.6	162.8	61.4	37.4	29.4	29.4
60°	3068.6	2649.7	1251.5	1022.0	795.2	555.0	309.5	120.1	48.0	34.7	32.0
62.5°	3055.3	2604.3	1267.5	1072.7	899.2	709.8	488.3	237.5	74.7	40.0	37.4
65°	3031.3	2607.0	1195.4	1027.3	899.2	760.5	565.7	312.2	106.7	45.4	42.7
67.5°	2951.2	2599.0	1155.4	928.6	813.8	680.4	507.0	290.9	122.7	56.0	53.4
70°	2788.4	2502.9	1131.4	888.6	763.2	605.7	426.9	232.1	138.8	96.1	104.1
72.5°	2604.3	2329.5	1107.4	853.9	744.5	603.0	429.6	250.8	186.8	157.4	168.1
75°	2329.5	2028.0	1064.7	819.2	733.8	621.7	434.9	237.5	176.1	141.4	138.8
77.5°	1793.1	1686.4	971.3	733.8	667.1	573.7	370.9	181.4	130.7	98.7	96.1
80°	1171.4	1158.1	757.8	592.4	563.0	507.0	309.5	141.4	104.1	80.1	74.7
82.5°	661.8	635.1	472.3	373.6	397.6	410.9	250.8	106.7	80.1	64.0	58.7
85°	376.2	381.6	274.8	202.8	205.5	242.8	162.8	74.7	50.7	37.4	34.7
87.5°	258.8	266.8	178.8	136.1	122.7	114.7	85.4	45.4	29.4	18.7	13.3
90°	210.8	210.8	133.4	98.7	85.4	74.7	48.0	26.7	21.3	10.7	8.0
92.5°	170.8	178.8	112.1	80.1	66.7	58.7	37.4	18.7	13.3	8.0	5.3
95°	128.1	136.1	90.7	66.7	53.4	45.4	32.0	16.0	10.7	5.3	5.3
97.5°	88.1	88.1	64.0	50.7	42.7	34.7	24.0	13.3	8.0	5.3	5.3
100°	50.7	53.4	37.4	32.0	29.4	26.7	16.0	10.7	5.3	2.7	2.7
102.5°	26.7	26.7	18.7	18.7	16.0	16.0	13.3	8.0	5.3	2.7	2.7
105°	16.0	16.0	13.3	13.3	10.7	10.7	8.0	5.3	2.7	0.0	2.7
107.5°	13.3	13.3	10.7	10.7	8.0	8.0	5.3	5.3	2.7	0.0	0.0
110°	10.7	10.7	8.0	8.0	8.0	5.3	5.3	2.7	2.7	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	10.7	10.7	8.0	8.0	5.3	5.3	5.3	2.7	2.7	0.0	0.0
115°	10.7	8.0	8.0	5.3	5.3	5.3	2.7	2.7	0.0	0.0	0.0
117.5°	10.7	8.0	5.3	5.3	5.3	2.7	2.7	2.7	0.0	0.0	0.0
120°	10.7	8.0	5.3	5.3	5.3	5.3	2.7	2.7	0.0	0.0	0.0
122.5°	10.7	8.0	5.3	5.3	5.3	2.7	2.7	2.7	0.0	0.0	0.0
125°	8.0	8.0	5.3	5.3	2.7	2.7	2.7	2.7	0.0	0.0	0.0
127.5°	8.0	8.0	5.3	5.3	2.7	2.7	2.7	2.7	0.0	0.0	0.0
130°	8.0	8.0	5.3	5.3	2.7	2.7	2.7	2.7	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)