

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: P691634

Luminaire Tested: **CRTK2-C018-5TLD-U-T5R-7030**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691634
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-17)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C018-5TLD-U-T5R-7030
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K LED WITH TYPE V ROUND OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8221 lumens
Efficiency: N/A
Efficacy: 153.1 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.08')
IES Classification: Type V - Short
BUG Rating: B3 - U3 - G2

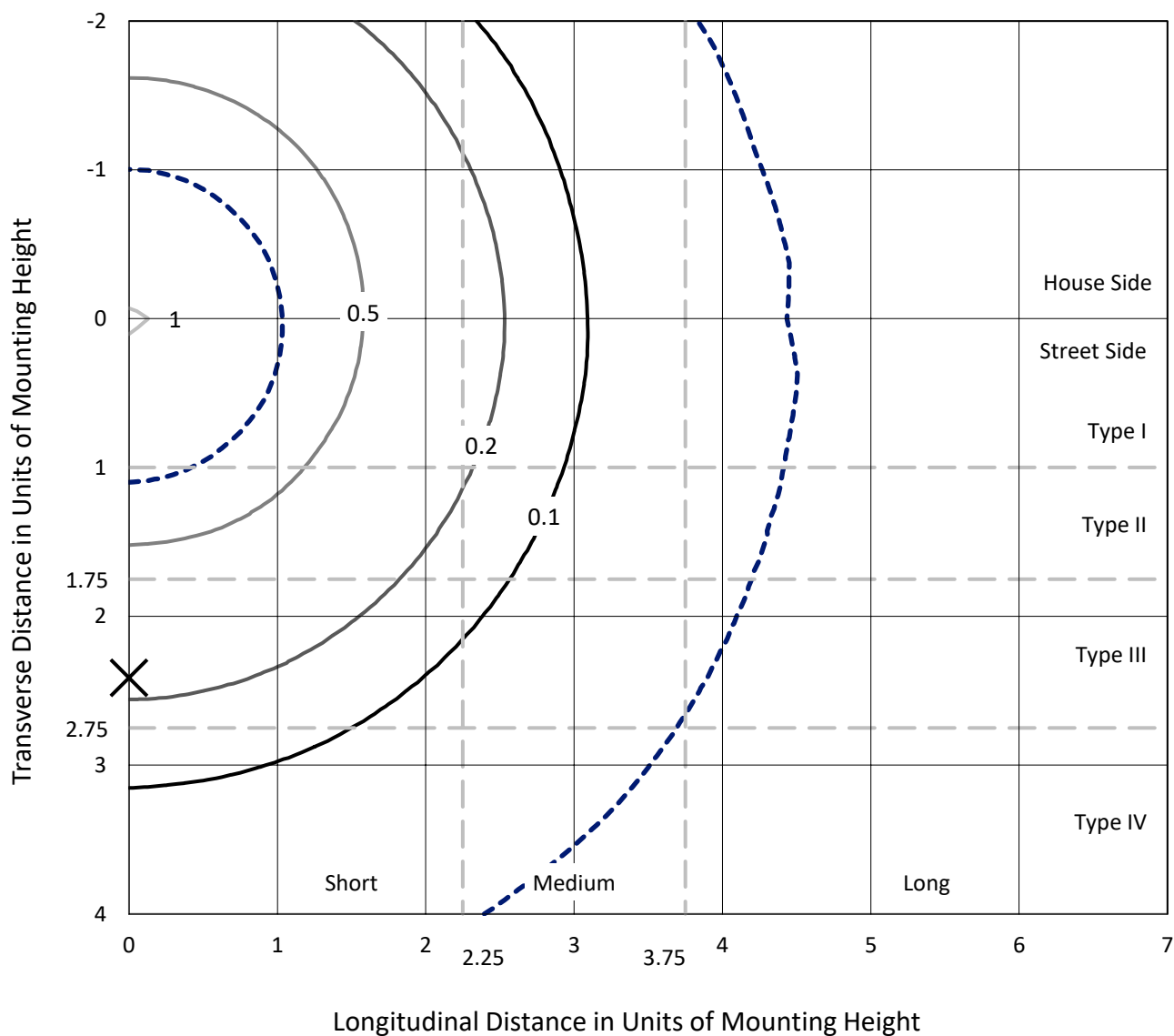
Input Watts (W): 53.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

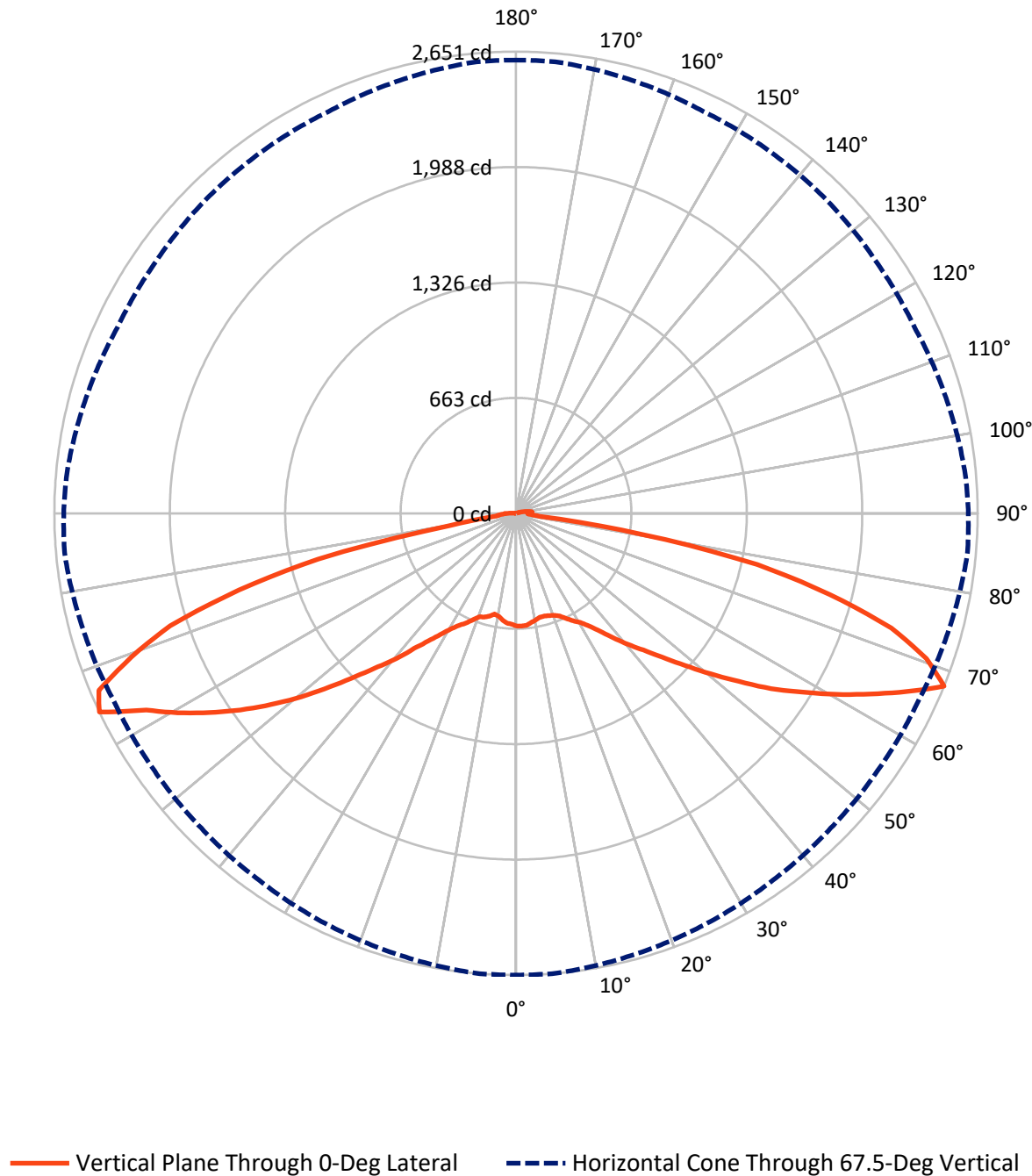
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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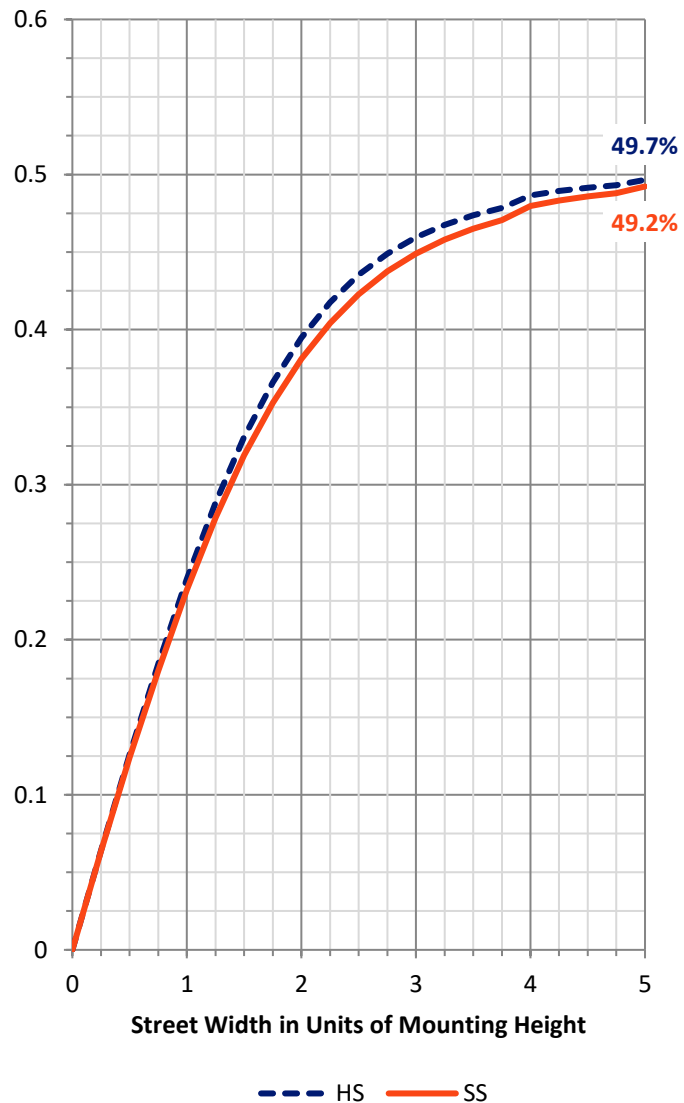
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4070.4	38.6	4109.0
	% Fixture	49.5	0.5	50.0
Street Side	Lumens	4057.5	54.6	4112.1
	% Fixture	49.4	0.7	50.0
Total	Lumens	8127.9	93.2	8221.0
	% Fixture	98.9	1.1	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	60.7	0.7
10°-20°	178.9	2.2
20°-30°	323.4	3.9
30°-40°	557.6	6.8
40°-50°	989.3	12.0
50°-60°	1684.1	20.5
60°-70°	2412.9	29.4
70°-80°	1754.4	21.3
80°-90°	166.6	2.0
90°-100°	75.2	0.9
100°-110°	18.0	0.2
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	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°	8127.9	98.9
0°-180°	8221.0	100.0

Coefficient of Utilization



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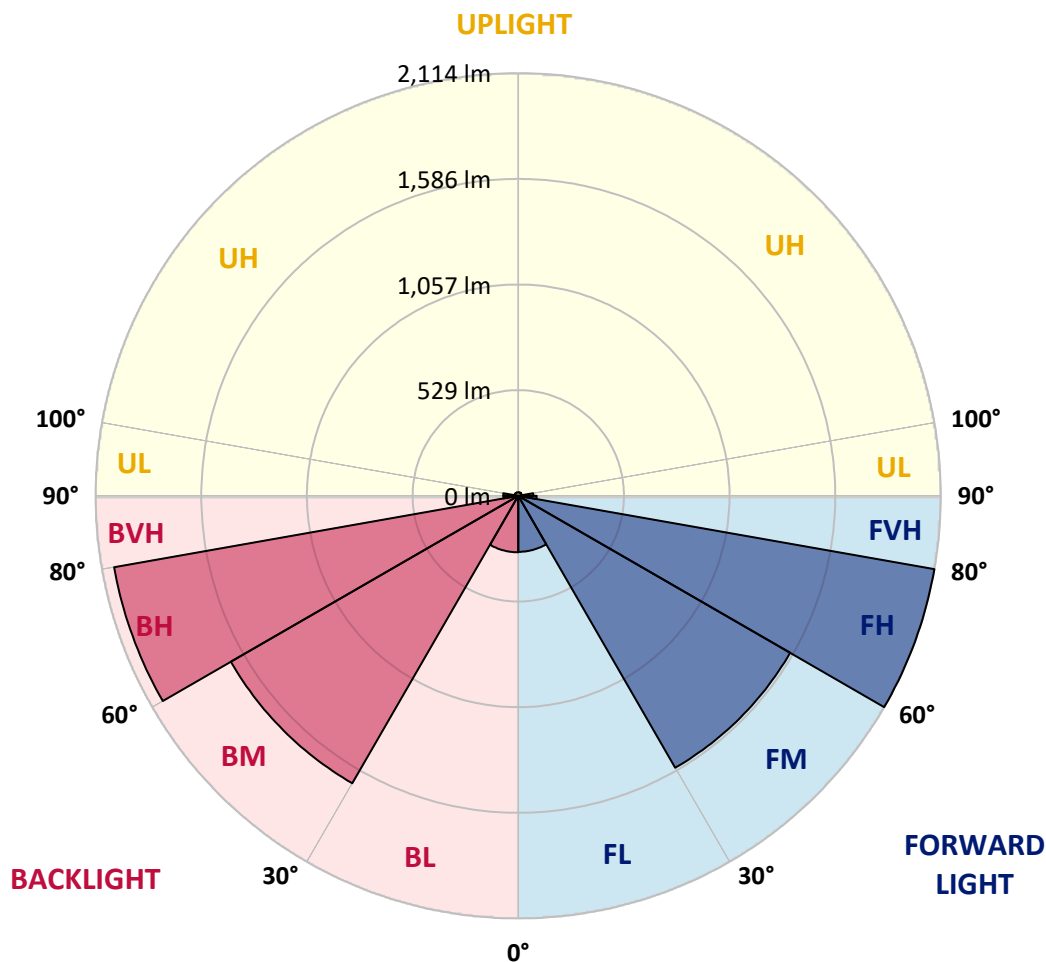
CATALOG NUMBER: CRTK2-C018-5TLD-U-T5R-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	280.2	3.4			
FM	(30°-60°)	1570.6	19.1			
FH	(60°-80°)	2114.2	25.7			G2/5000
FVH	(80°-90°)	92.5	1.1			G1/100
BL	(0°-30°)	282.8	3.4	B1/500		
BM	(30°-60°)	1660.5	20.2	B2/2500		
BH	(60°-80°)	2053.1	25.0	B3/2500		G2/5000
BVH	(80°-90°)	74.0	0.9			G1/100
UL	(90°-100°)	75.2	0.9		U3/500	
UH	(100°-180°)	18.0	0.2		U2/50	

BUG Rating: B3-U3-G2

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	648.1	648.1	648.1	648.1	648.1	648.1	648.1	648.1	648.1	648.1	648.1
2.5°	648.1	648.1	648.1	648.1	648.1	648.1	645.5	640.4	640.4	640.4	640.4
5°	645.5	645.5	645.5	645.5	648.1	648.1	648.1	642.9	642.9	642.9	642.9
7.5°	632.7	632.7	635.3	635.3	637.8	640.4	637.8	637.8	637.8	640.4	640.4
10°	622.5	622.5	625.0	625.0	627.6	627.6	632.7	632.7	635.3	637.8	637.8
12.5°	612.2	612.2	614.8	619.9	622.5	625.0	627.6	630.1	635.3	637.8	637.8
15°	612.2	612.2	612.2	617.3	625.0	630.1	632.7	637.8	642.9	645.5	648.1
17.5°	617.3	617.3	617.3	622.5	627.6	635.3	642.9	645.5	650.6	655.8	655.8
20°	625.0	625.0	627.6	632.7	640.4	645.5	650.6	658.3	663.4	668.6	671.1
22.5°	640.4	642.9	642.9	645.5	653.2	660.9	666.0	671.1	678.8	683.9	689.1
25°	668.6	666.0	666.0	671.1	676.2	683.9	686.5	691.6	699.3	707.0	709.5
27.5°	699.3	696.7	696.7	701.9	707.0	712.1	714.7	722.4	730.0	737.7	740.3
30°	727.5	727.5	730.0	735.2	740.3	748.0	750.5	758.2	763.3	773.6	773.6
32.5°	771.0	773.6	776.1	778.7	783.8	791.5	799.2	801.8	806.9	814.6	819.7
35°	829.9	835.1	835.1	837.6	850.4	858.1	853.0	860.7	868.4	878.6	883.7
37.5°	906.8	904.2	911.9	922.2	924.7	932.4	929.8	935.0	945.2	958.0	965.7
40°	988.8	991.3	991.3	993.9	1001.6	1004.1	1014.4	1022.1	1032.3	1050.2	1055.4
42.5°	1073.3	1078.4	1083.5	1086.1	1098.9	1101.5	1109.1	1119.4	1132.2	1145.0	1150.1
45°	1178.3	1175.7	1188.5	1193.7	1206.5	1221.8	1221.8	1227.0	1247.5	1260.3	1268.0
47.5°	1303.8	1308.9	1316.6	1324.3	1344.8	1347.4	1360.2	1367.9	1380.7	1393.5	1396.0
50°	1449.8	1449.8	1457.5	1472.9	1485.7	1498.5	1506.2	1516.4	1526.7	1547.2	1557.4
52.5°	1603.5	1606.1	1616.3	1631.7	1652.2	1654.7	1662.4	1680.4	1688.0	1693.2	1711.1
55°	1777.7	1770.0	1777.7	1800.8	1823.8	1821.2	1823.8	1844.3	1857.1	1867.4	1872.5
57.5°	1936.5	1936.5	1944.2	1962.1	1967.3	1974.9	1977.5	1995.4	2010.8	2023.6	2026.2
60°	2110.7	2108.1	2113.3	2128.6	2146.6	2146.6	2144.0	2161.9	2177.3	2179.9	2197.8
62.5°	2284.9	2277.2	2282.3	2292.6	2302.8	2292.6	2302.8	2318.2	2331.0	2341.2	2346.4
65°	2466.8	2456.5	2459.1	2448.8	2433.5	2420.6	2443.7	2487.2	2525.7	2546.2	2548.7
67.5°	2651.2	2651.2	2623.0	2597.4	2571.8	2556.4	2548.7	2548.7	2574.3	2602.5	2597.4
70°	2500.1	2505.2	2482.1	2464.2	2423.2	2410.4	2402.7	2377.1	2389.9	2397.6	2379.7
72.5°	2254.1	2226.0	2215.7	2208.0	2177.3	2154.2	2128.6	2110.7	2103.0	2108.1	2087.6
75°	1862.2	1918.6	1887.8	1872.5	1852.0	1841.7	1775.1	1754.6	1752.1	1772.6	1772.6
77.5°	1416.5	1447.3	1426.8	1434.5	1403.7	1398.6	1373.0	1349.9	1332.0	1326.9	1275.6
80°	735.2	758.2	763.3	789.0	783.8	768.5	750.5	683.9	666.0	676.2	627.6
82.5°	133.2	138.3	140.9	143.4	133.2	138.3	140.9	128.1	135.8	133.2	128.1
85°	76.8	76.8	79.4	79.4	74.3	69.2	74.3	71.7	71.7	76.8	76.8
87.5°	66.6	69.2	71.7	71.7	64.0	58.9	64.0	64.0	66.6	69.2	69.2
90°	69.2	69.2	74.3	74.3	66.6	61.5	69.2	71.7	71.7	71.7	74.3
92.5°	92.2	89.7	92.2	92.2	84.5	79.4	89.7	89.7	89.7	89.7	92.2
95°	89.7	87.1	89.7	87.1	82.0	76.8	84.5	87.1	87.1	87.1	89.7
97.5°	76.8	76.8	76.8	76.8	69.2	66.6	76.8	76.8	74.3	74.3	76.8
100°	58.9	56.4	56.4	56.4	53.8	53.8	58.9	56.4	53.8	56.4	58.9
102.5°	38.4	38.4	38.4	38.4	38.4	38.4	38.4	35.9	35.9	35.9	41.0
105°	23.1	23.1	20.5	20.5	20.5	20.5	20.5	17.9	17.9	17.9	23.1
107.5°	7.7	7.7	5.1	5.1	5.1	5.1	5.1	2.6	2.6	2.6	7.7
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°	75°	85°	90°
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	0.0
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	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):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	648.1	648.1	648.1	648.1	648.1	648.1	648.1	648.1	648.1	648.1
2.5°	642.9	642.9	645.5	642.9	642.9	640.4	637.8	635.3	637.8	637.8
5°	642.9	645.5	642.9	640.4	637.8	635.3	635.3	630.1	630.1	632.7
7.5°	640.4	645.5	640.4	637.8	630.1	627.6	625.0	619.9	619.9	619.9
10°	637.8	637.8	635.3	625.0	619.9	612.2	609.6	604.5	602.0	599.4
12.5°	637.8	637.8	630.1	622.5	614.8	604.5	602.0	596.8	594.3	591.7
15°	645.5	648.1	642.9	632.7	619.9	617.3	609.6	607.1	604.5	609.6
17.5°	658.3	655.8	650.6	640.4	632.7	630.1	619.9	619.9	617.3	622.5
20°	671.1	666.0	660.9	655.8	645.5	640.4	640.4	632.7	635.3	630.1
22.5°	686.5	689.1	681.4	673.7	666.0	663.4	660.9	660.9	658.3	658.3
25°	712.1	712.1	707.0	699.3	694.2	689.1	686.5	689.1	683.9	691.6
27.5°	742.8	740.3	740.3	735.2	727.5	724.9	722.4	724.9	722.4	722.4
30°	773.6	778.7	773.6	771.0	765.9	765.9	763.3	763.3	765.9	763.3
32.5°	822.3	824.8	824.8	822.3	817.1	814.6	814.6	817.1	822.3	819.7
35°	886.3	888.9	894.0	899.1	899.1	894.0	888.9	886.3	888.9	888.9
37.5°	970.8	973.4	978.5	978.5	975.9	973.4	975.9	981.1	970.8	970.8
40°	1057.9	1055.4	1060.5	1065.6	1068.2	1065.6	1063.0	1068.2	1073.3	1081.0
42.5°	1155.2	1160.4	1162.9	1173.2	1178.3	1178.3	1175.7	1183.4	1186.0	1186.0
45°	1270.5	1283.3	1278.2	1296.1	1311.5	1314.1	1306.4	1311.5	1306.4	1311.5
47.5°	1403.7	1414.0	1424.2	1439.6	1447.3	1452.4	1449.8	1454.9	1460.1	1460.1
50°	1554.8	1562.5	1580.5	1601.0	1613.8	1613.8	1603.5	1613.8	1624.0	1621.4
52.5°	1713.7	1729.0	1747.0	1764.9	1775.1	1777.7	1777.7	1785.4	1782.8	1782.8
55°	1880.2	1893.0	1916.0	1926.3	1939.1	1944.2	1944.2	1946.8	1944.2	1944.2
57.5°	2039.0	2054.3	2072.3	2092.8	2105.6	2110.7	2105.6	2105.6	2105.6	2100.5
60°	2202.9	2213.2	2231.1	2246.5	2254.1	2264.4	2264.4	2261.8	2259.3	2256.7
62.5°	2354.0	2359.2	2364.3	2366.9	2374.5	2395.0	2395.0	2407.8	2407.8	2405.3
65°	2551.3	2528.2	2507.7	2512.9	2530.8	2548.7	2564.1	2615.3	2640.9	2651.2
67.5°	2589.7	2556.4	2525.7	2523.1	2533.4	2538.5	2546.2	2574.3	2602.5	2602.5
70°	2364.3	2343.8	2315.6	2328.4	2336.1	2328.4	2338.7	2356.6	2382.2	2359.2
72.5°	2072.3	2039.0	2059.5	2072.3	2059.5	2049.2	2054.3	2051.8	2069.7	2087.6
75°	1749.5	1680.4	1680.4	1680.4	1685.5	1662.4	1662.4	1665.0	1698.3	1652.2
77.5°	1296.1	1247.5	1234.7	1183.4	1178.3	1147.6	1168.1	1155.2	1186.0	1168.1
80°	604.5	584.0	576.3	525.1	514.9	432.9	463.6	412.4	427.8	384.2
82.5°	125.5	123.0	120.4	107.6	97.3	84.5	99.9	112.7	115.3	112.7
85°	79.4	82.0	82.0	76.8	71.7	64.0	76.8	94.8	99.9	99.9
87.5°	69.2	71.7	71.7	69.2	64.0	56.4	64.0	71.7	74.3	71.7
90°	74.3	76.8	74.3	71.7	66.6	58.9	66.6	69.2	56.4	58.9
92.5°	89.7	89.7	87.1	87.1	84.5	74.3	82.0	66.6	25.6	7.7
95°	87.1	84.5	84.5	82.0	79.4	66.6	66.6	17.9	0.0	0.0
97.5°	74.3	69.2	69.2	66.6	66.6	56.4	41.0	0.0	0.0	0.0
100°	56.4	48.7	48.7	46.1	46.1	38.4	15.4	0.0	0.0	0.0
102.5°	38.4	30.7	28.2	25.6	25.6	23.1	2.6	0.0	0.0	0.0
105°	20.5	12.8	10.2	7.7	7.7	5.1	0.0	0.0	0.0	0.0
107.5°	7.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	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):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	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
117.5°	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
122.5°	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
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	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
135°	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
140°	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
145°	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
150°	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
155°	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
160°	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
165°	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
170°	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
175°	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
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)