

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: P691847

Luminaire Tested: **CRTK2-C01H-D-U-T2-7030**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691847
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-C01H-D-U-T2-7030
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K LED WITH TYPE II OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9446.9 lumens
Efficiency: N/A
Efficacy: 134.6 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.08')
IES Classification: Type II - Short
BUG Rating: B2 - U3 - G2

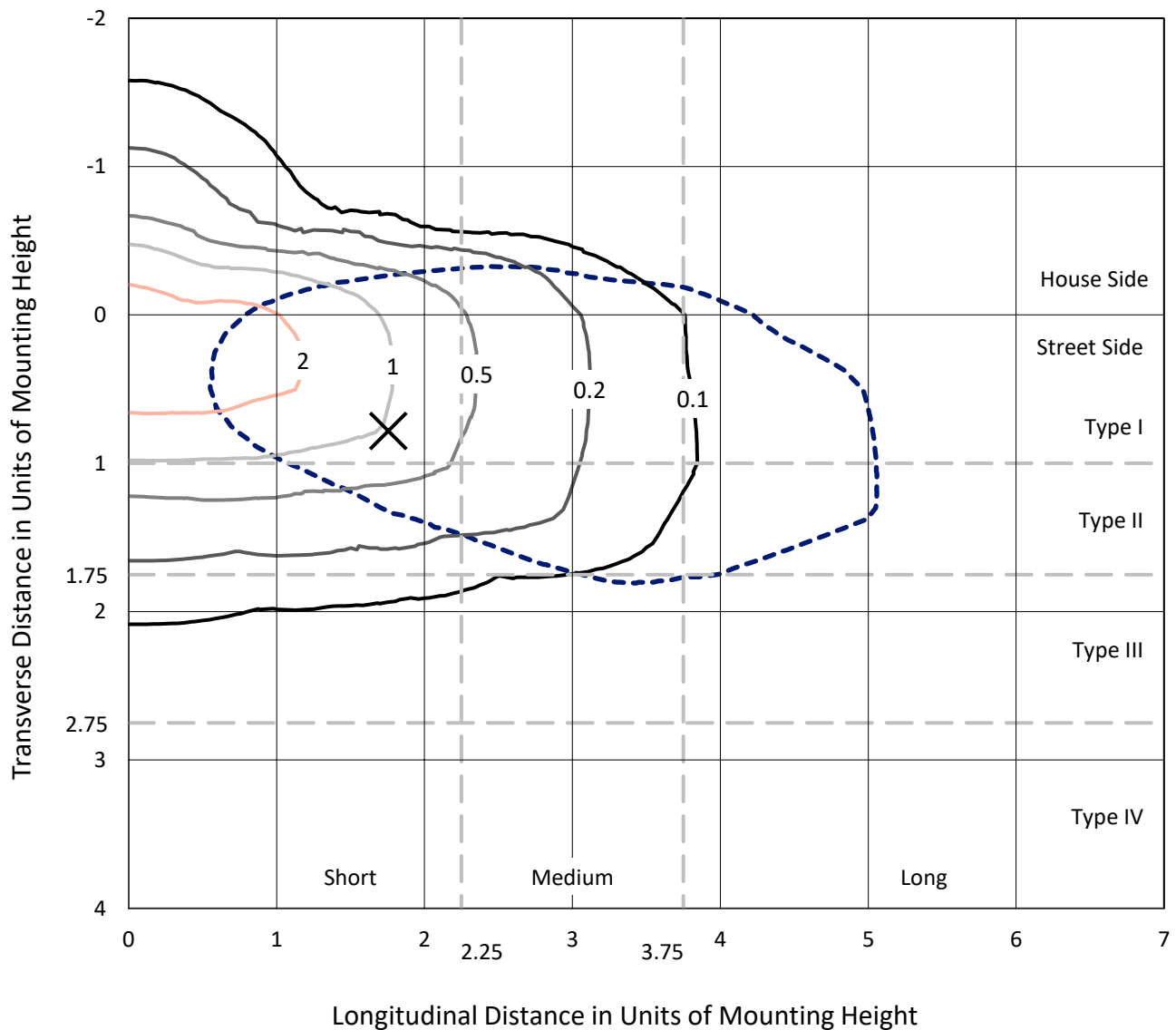
Input Watts (W): 70.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

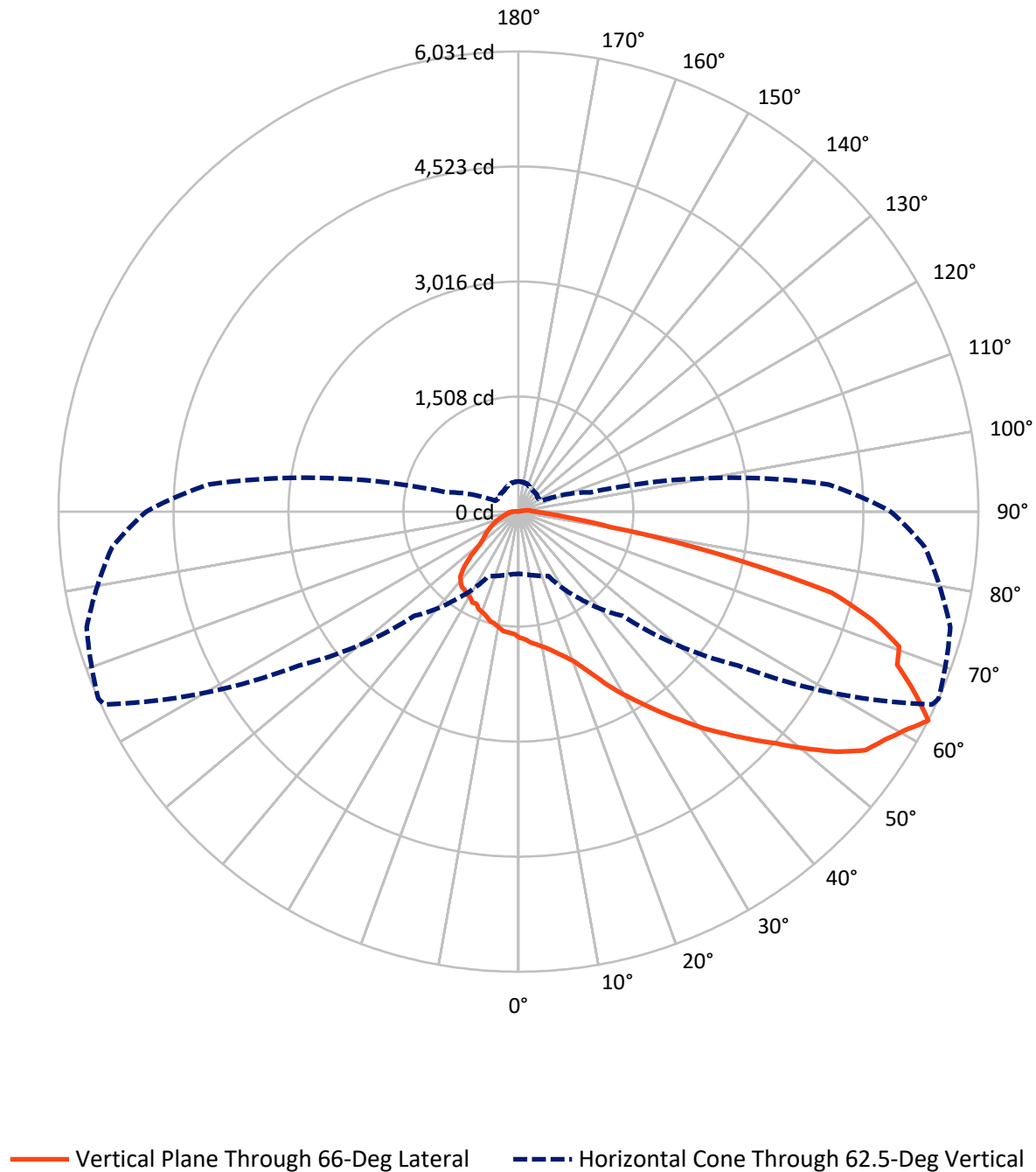
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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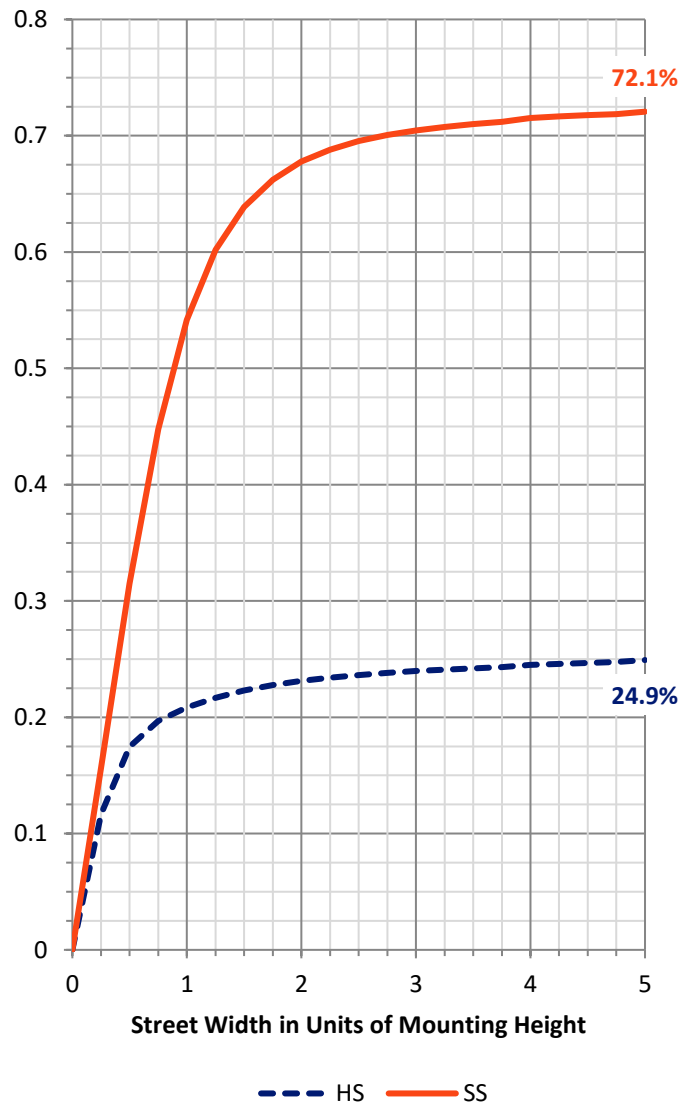
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2459.0	67.9	2526.9
	% Fixture	26.0	0.7	26.7
Street Side	Lumens	6852.9	67.2	6920.1
	% Fixture	72.5	0.7	73.3
Total	Lumens	9311.8	135.1	9446.9
	% Fixture	98.6	1.4	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	158.7	1.7
10°-20°	475.0	5.0
20°-30°	803.8	8.5
30°-40°	1175.9	12.4
40°-50°	1537.0	16.3
50°-60°	1788.5	18.9
60°-70°	1789.3	18.9
70°-80°	1234.6	13.1
80°-90°	349.0	3.7
90°-100°	115.0	1.2
100°-110°	15.8	0.2
110°-120°	0.9	0.0
120°-130°	0.9	0.0
130°-140°	0.9	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°	9311.8	98.6
0°-180°	9446.9	100.0

Coefficient of Utilization



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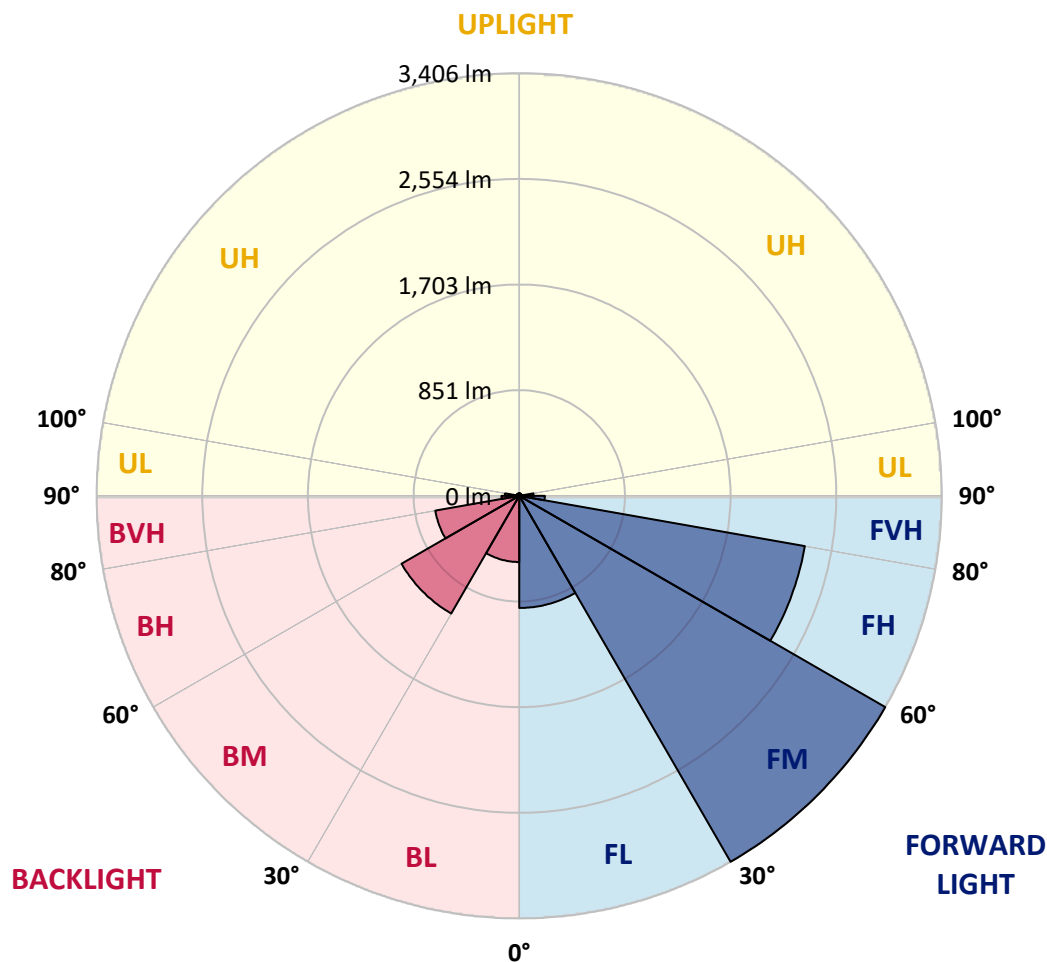
CATALOG NUMBER: CRTK2-C01H-D-U-T2-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	903.7	9.6			
FM	(30°-60°)	3405.9	36.1			
FH	(60°-80°)	2337.1	24.7			G2/5000
FVH	(80°-90°)	206.1	2.2			G2/225
BL	(0°-30°)	533.7	5.6	B2/1000		
BM	(30°-60°)	1095.6	11.6	B2/2500		
BH	(60°-80°)	686.8	7.3	B2/1000		G2/1000
BVH	(80°-90°)	142.9	1.5			G2/225
UL	(90°-100°)	115.0	1.2		U3/500	
UH	(100°-180°)	20.1	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°	1650.6	1650.6	1650.6	1650.6	1650.6	1650.6	1650.6	1650.6	1650.6	1650.6	1650.6
2.5°	1735.3	1732.1	1732.1	1716.5	1700.8	1697.6	1688.2	1675.7	1675.7	1666.2	1650.6
5°	1838.8	1835.7	1838.8	1816.9	1794.9	1776.1	1744.7	1729.0	1725.9	1703.9	1672.5
7.5°	1911.0	1907.9	1904.7	1885.9	1876.5	1857.7	1813.7	1766.7	1760.4	1738.4	1697.6
10°	1939.3	1942.4	1958.1	1926.7	1907.9	1892.2	1867.1	1810.6	1804.3	1754.1	1691.4
12.5°	2014.6	2017.7	2008.3	1970.6	1964.4	1951.8	1911.0	1863.9	1857.7	1794.9	1707.0
15°	2093.0	2093.0	2080.5	2058.5	2042.8	2030.3	1980.0	1929.8	1926.7	1851.4	1747.8
17.5°	2127.5	2133.8	2136.9	2108.7	2102.4	2099.3	2074.2	2011.4	2005.1	1933.0	1804.3
20°	2149.5	2152.6	2155.8	2152.6	2155.8	2152.6	2165.2	2115.0	2099.3	2024.0	1867.1
22.5°	2193.4	2199.7	2221.7	2221.7	2231.1	2253.0	2243.6	2249.9	2243.6	2152.6	1973.8
25°	2215.4	2224.8	2253.0	2287.6	2328.4	2353.5	2388.0	2413.1	2416.2	2334.6	2136.9
27.5°	2180.9	2202.8	2275.0	2328.4	2422.5	2488.4	2570.0	2610.8	2617.0	2538.6	2312.7
30°	2224.8	2224.8	2268.7	2344.0	2460.2	2613.9	2739.4	2802.2	2808.5	2748.8	2488.4
32.5°	2143.2	2162.0	2262.5	2406.8	2573.1	2748.8	2871.2	2993.6	3009.3	2990.5	2739.4
35°	2133.8	2143.2	2206.0	2356.6	2579.4	2874.4	3043.8	3203.8	3235.2	3241.5	2981.0
37.5°	2045.9	2058.5	2174.6	2362.9	2667.3	2962.2	3178.7	3442.3	3470.6	3514.5	3191.3
40°	1936.1	1954.9	2049.1	2259.3	2642.2	3065.8	3323.1	3693.4	3734.2	3787.5	3467.4
42.5°	1791.8	1826.3	1986.3	2212.3	2629.6	3100.3	3461.2	3944.4	3982.1	4038.5	3699.6
45°	1669.4	1678.8	1807.5	2042.8	2529.2	3147.4	3589.8	4226.8	4251.9	4280.2	3887.9
47.5°	1559.6	1578.4	1688.2	1907.9	2422.5	3137.9	3702.8	4493.5	4537.5	4622.2	4117.0
50°	1233.2	1277.1	1587.8	1791.8	2259.3	3109.7	3796.9	4807.3	4879.5	4910.9	4377.4
52.5°	1066.9	1079.5	1236.4	1678.8	2077.3	3015.6	3878.5	5149.4	5231.0	5158.8	4691.2
55°	985.3	997.9	1070.0	1449.7	1936.1	2824.2	3941.3	5472.6	5522.8	5353.3	4923.4
57.5°	941.4	950.8	988.5	1173.6	1763.5	2519.8	3947.5	5632.6	5651.4	5507.1	5042.7
60°	866.1	875.5	941.4	1023.0	1572.1	2196.6	3837.7	5723.6	5820.9	5695.4	5271.8
62.5°	815.9	822.1	866.1	932.0	1387.0	1933.0	3517.6	5984.1	6031.1	5861.7	5350.2
65°	753.1	759.4	800.2	859.8	1267.7	1785.5	3379.6	5877.4	5704.8	5820.9	5453.8
67.5°	680.9	690.3	728.0	778.2	1070.0	1641.1	2981.0	5478.9	5356.5	5613.8	5183.9
70°	615.0	621.3	662.1	690.3	878.6	1452.9	2475.8	5168.2	5296.9	5293.7	4939.1
72.5°	542.9	549.1	583.7	608.8	734.3	1230.1	1964.4	4810.5	4848.1	4713.2	4371.2
75°	467.6	470.7	502.1	527.2	602.5	985.3	1434.0	3978.9	4239.4	4506.1	3781.2
77.5°	376.6	386.0	411.1	423.6	483.2	787.6	935.1	2356.6	2692.4	3963.2	3379.6
80°	282.4	282.4	301.2	307.5	357.7	586.8	589.9	1135.9	1220.7	2519.8	2510.4
82.5°	178.9	188.3	207.1	204.0	241.6	335.8	373.4	630.7	677.8	997.9	1114.0
85°	144.3	147.5	160.0	150.6	160.0	182.0	210.2	398.5	414.2	608.8	605.6
87.5°	119.2	122.4	131.8	125.5	128.7	138.1	163.2	266.7	273.0	392.2	404.8
90°	91.0	94.1	106.7	103.6	100.4	113.0	134.9	204.0	213.4	310.7	332.6
92.5°	59.6	59.6	69.0	69.0	69.0	81.6	119.2	156.9	163.2	282.4	298.1
95°	43.9	43.9	47.1	50.2	47.1	59.6	87.9	141.2	153.8	263.6	257.3
97.5°	28.2	28.2	31.4	34.5	31.4	37.7	50.2	100.4	113.0	204.0	200.8
100°	18.8	18.8	18.8	18.8	18.8	18.8	28.2	65.9	75.3	128.7	125.5
102.5°	12.6	12.6	12.6	12.6	9.4	9.4	12.6	31.4	34.5	69.0	65.9
105°	3.1	3.1	6.3	6.3	6.3	3.1	3.1	12.6	15.7	28.2	28.2
107.5°	0.0	0.0	0.0	3.1	0.0	0.0	0.0	0.0	0.0	3.1	3.1
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	3.1
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	3.1
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1
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	3.1	0.0	0.0	0.0	0.0	0.0	0.0	3.1
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1
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	3.1	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	3.1	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°	1650.6	1650.6	1650.6	1650.6	1650.6	1650.6	1650.6	1650.6	1650.6	1650.6	1650.6
2.5°	1644.3	1634.9	1619.2	1603.5	1594.1	1584.7	1569.0	1556.4	1556.4	1572.1	1572.1
5°	1650.6	1631.7	1600.4	1587.8	1572.1	1550.1	1525.0	1506.2	1496.8	1509.4	1512.5
7.5°	1666.2	1638.0	1606.6	1578.4	1525.0	1484.2	1462.3	1437.2	1434.0	1446.6	1452.9
10°	1653.7	1625.5	1587.8	1534.5	1478.0	1446.6	1405.8	1374.4	1374.4	1365.0	1371.3
12.5°	1666.2	1628.6	1553.3	1496.8	1446.6	1377.6	1327.4	1296.0	1292.8	1302.2	1302.2
15°	1697.6	1641.1	1543.9	1474.8	1393.2	1324.2	1274.0	1239.5	1248.9	1230.1	1233.2
17.5°	1735.3	1650.6	1543.9	1424.6	1333.6	1267.7	1198.7	1157.9	1161.0	1164.2	1167.3
20°	1782.4	1675.7	1528.2	1387.0	1277.1	1183.0	1104.6	1073.2	1063.8	1070.0	1073.2
22.5°	1854.5	1732.1	1521.9	1368.1	1198.7	1107.7	1038.7	975.9	969.6	969.6	969.6
25°	1973.8	1816.9	1550.1	1305.4	1157.9	1019.8	941.4	881.8	853.5	856.7	859.8
27.5°	2155.8	1951.8	1578.4	1308.5	1063.8	941.4	844.1	778.2	762.5	765.7	768.8
30°	2347.2	2133.8	1650.6	1245.8	1010.4	822.1	721.7	674.7	655.8	646.4	649.6
32.5°	2494.7	2293.8	1751.0	1226.9	913.1	693.5	630.7	593.1	568.0	558.6	558.6
35°	2730.0	2450.7	1832.6	1179.9	812.7	611.9	561.7	520.9	508.3	502.1	502.1
37.5°	2930.8	2623.3	1917.3	1161.0	690.3	549.1	486.4	461.3	461.3	455.0	451.9
40°	3147.4	2805.3	1964.4	1104.6	596.2	483.2	420.5	417.3	426.8	426.8	426.8
42.5°	3407.8	2993.6	2014.6	1038.7	524.0	407.9	373.4	398.5	420.5	426.8	426.8
45°	3602.4	3112.8	2036.5	897.5	451.9	354.6	367.1	392.2	420.5	429.9	426.8
47.5°	3768.7	3285.4	2005.1	724.9	389.1	345.2	360.9	382.8	417.3	429.9	429.9
50°	3935.0	3432.9	1983.2	524.0	364.0	345.2	360.9	370.3	407.9	423.6	423.6
52.5°	4179.7	3549.0	1895.3	439.3	345.2	348.3	367.1	367.1	401.7	420.5	429.9
55°	4493.5	3815.7	1729.0	411.1	338.9	345.2	370.3	370.3	395.4	414.2	420.5
57.5°	4622.2	3909.9	1443.5	386.0	332.6	345.2	360.9	367.1	398.5	411.1	407.9
60°	4791.6	4063.6	1183.0	360.9	320.1	338.9	348.3	370.3	395.4	398.5	395.4
62.5°	4882.6	4082.5	979.0	335.8	310.7	329.5	332.6	357.7	382.8	392.2	395.4
65°	4932.9	4063.6	724.9	310.7	301.2	316.9	320.1	342.0	367.1	373.4	376.6
67.5°	4750.9	3935.0	502.1	285.6	291.8	301.2	307.5	329.5	348.3	367.1	373.4
70°	4424.5	3561.6	357.7	254.2	276.1	285.6	298.1	320.1	338.9	364.0	370.3
72.5°	4063.6	2868.1	263.6	216.5	254.2	266.7	288.7	304.4	332.6	364.0	373.4
75°	3724.7	2516.6	210.2	185.1	216.5	244.8	273.0	295.0	335.8	445.6	461.3
77.5°	2642.2	1700.8	188.3	163.2	185.1	213.4	251.0	288.7	467.6	530.3	533.5
80°	1917.3	1001.0	169.4	144.3	160.0	172.6	229.1	354.6	517.8	489.5	489.5
82.5°	960.2	536.6	160.0	128.7	138.1	141.2	204.0	451.9	417.3	436.2	439.3
85°	464.4	260.4	131.8	113.0	119.2	116.1	191.4	429.9	395.4	398.5	392.2
87.5°	291.8	160.0	103.6	94.1	97.3	94.1	182.0	411.1	414.2	338.9	345.2
90°	263.6	188.3	81.6	75.3	65.9	78.4	163.2	382.8	404.8	244.8	204.0
92.5°	254.2	204.0	59.6	53.3	47.1	62.8	122.4	310.7	247.9	103.6	62.8
95°	225.9	178.9	50.2	37.7	43.9	53.3	78.4	207.1	166.3	0.0	0.0
97.5°	169.4	131.8	40.8	25.1	141.2	47.1	43.9	134.9	47.1	0.0	0.0
100°	106.7	81.6	31.4	18.8	160.0	31.4	28.2	78.4	0.0	0.0	0.0
102.5°	59.6	43.9	15.7	12.6	69.0	15.7	18.8	18.8	0.0	0.0	0.0
105°	25.1	22.0	6.3	6.3	6.3	3.1	9.4	0.0	0.0	0.0	0.0
107.5°	6.3	9.4	3.1	3.1	3.1	3.1	0.0	0.0	0.0	0.0	0.0
110°	3.1	3.1	3.1	3.1	3.1	3.1	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°	3.1	3.1	3.1	3.1	3.1	3.1	0.0	0.0	0.0	0.0	0.0
115°	3.1	3.1	3.1	3.1	3.1	3.1	0.0	0.0	0.0	0.0	0.0
117.5°	3.1	3.1	3.1	3.1	3.1	3.1	0.0	0.0	0.0	0.0	0.0
120°	3.1	3.1	3.1	3.1	3.1	3.1	0.0	0.0	0.0	0.0	0.0
122.5°	3.1	3.1	3.1	3.1	3.1	3.1	0.0	0.0	0.0	0.0	0.0
125°	3.1	3.1	3.1	3.1	3.1	3.1	0.0	0.0	0.0	0.0	0.0
127.5°	3.1	3.1	3.1	6.3	3.1	3.1	0.0	0.0	0.0	0.0	0.0
130°	3.1	3.1	3.1	3.1	3.1	3.1	0.0	0.0	0.0	0.0	0.0
132.5°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	0.0	0.0	0.0	0.0
135°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	0.0	0.0	0.0	0.0
137.5°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	0.0	0.0	0.0	0.0
140°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	0.0	0.0	0.0	0.0
142.5°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	0.0	0.0	0.0	0.0
145°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	0.0	0.0	0.0	0.0
147.5°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	0.0	0.0	0.0	0.0
150°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	0.0	0.0	0.0	0.0
152.5°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	0.0	0.0	0.0	0.0
155°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	0.0	0.0	0.0	0.0
157.5°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	0.0	0.0	0.0	0.0
160°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	0.0	0.0	0.0	0.0
162.5°	3.1	3.1	3.1	3.1	3.1	3.1	0.0	0.0	0.0	0.0	0.0
165°	3.1	3.1	3.1	3.1	3.1	3.1	0.0	0.0	0.0	0.0	0.0
167.5°	3.1	3.1	3.1	3.1	3.1	3.1	0.0	0.0	0.0	0.0	0.0
170°	0.0	3.1	3.1	3.1	3.1	3.1	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	3.1	3.1	3.1	3.1	3.1	0.0	0.0	0.0	0.0	0.0
175°	0.0	3.1	3.1	3.1	3.1	3.1	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	3.1	3.1	3.1	3.1	3.1	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)