

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: P691852

Luminaire Tested: **CRTK2-C01H-D-U-T2-7040-SR-CARETAKER**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691852
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-5)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C01H-D-U-T2-7040-SR-CARETAKER
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 4000K LED WITH TYPE II OPTIC AND SR REFRACTOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9590 lumens
Efficiency: N/A
Efficacy: 136.6 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.29')
IES Classification: Type I - Short
BUG Rating: B3 - U3 - G3

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

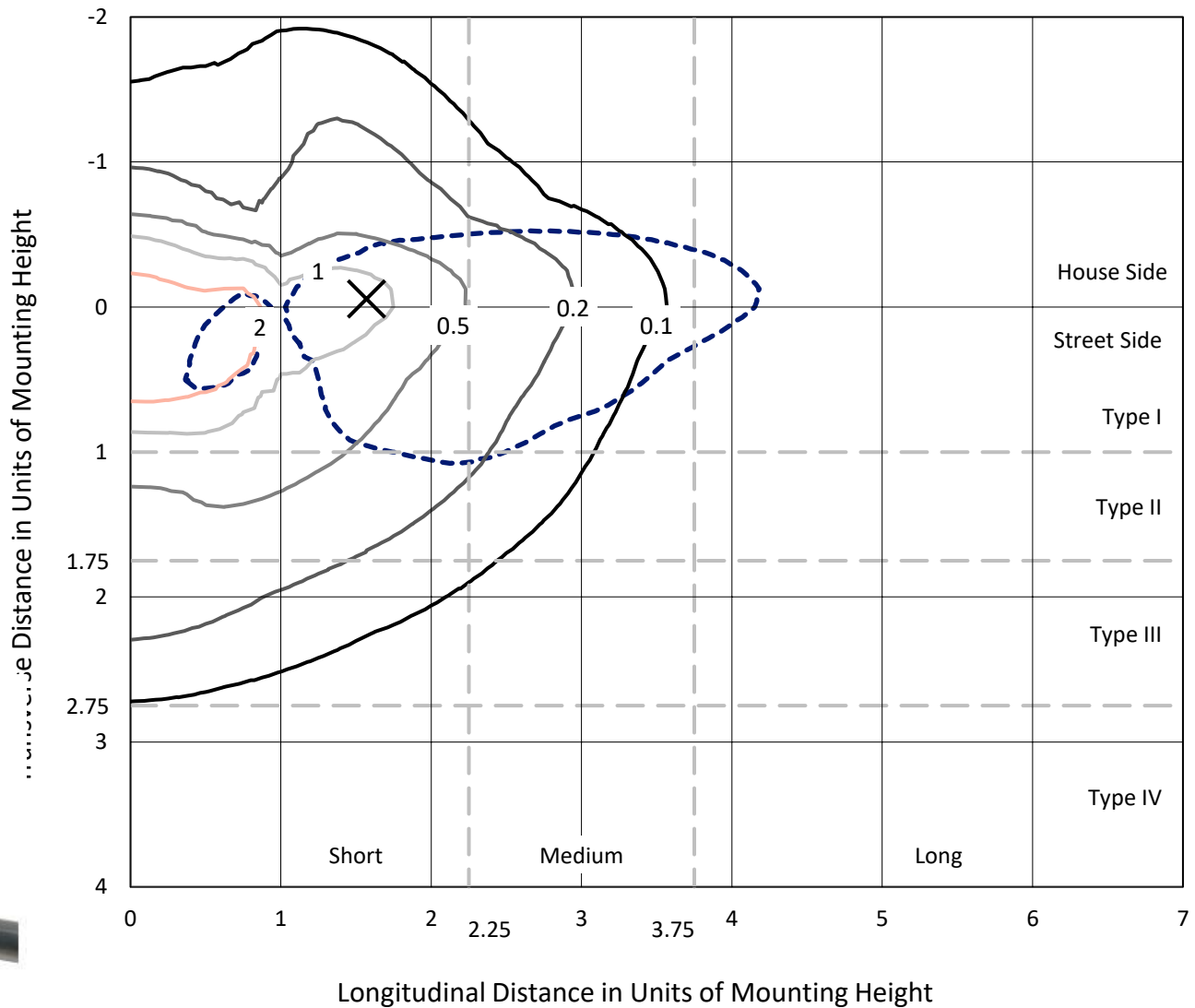


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

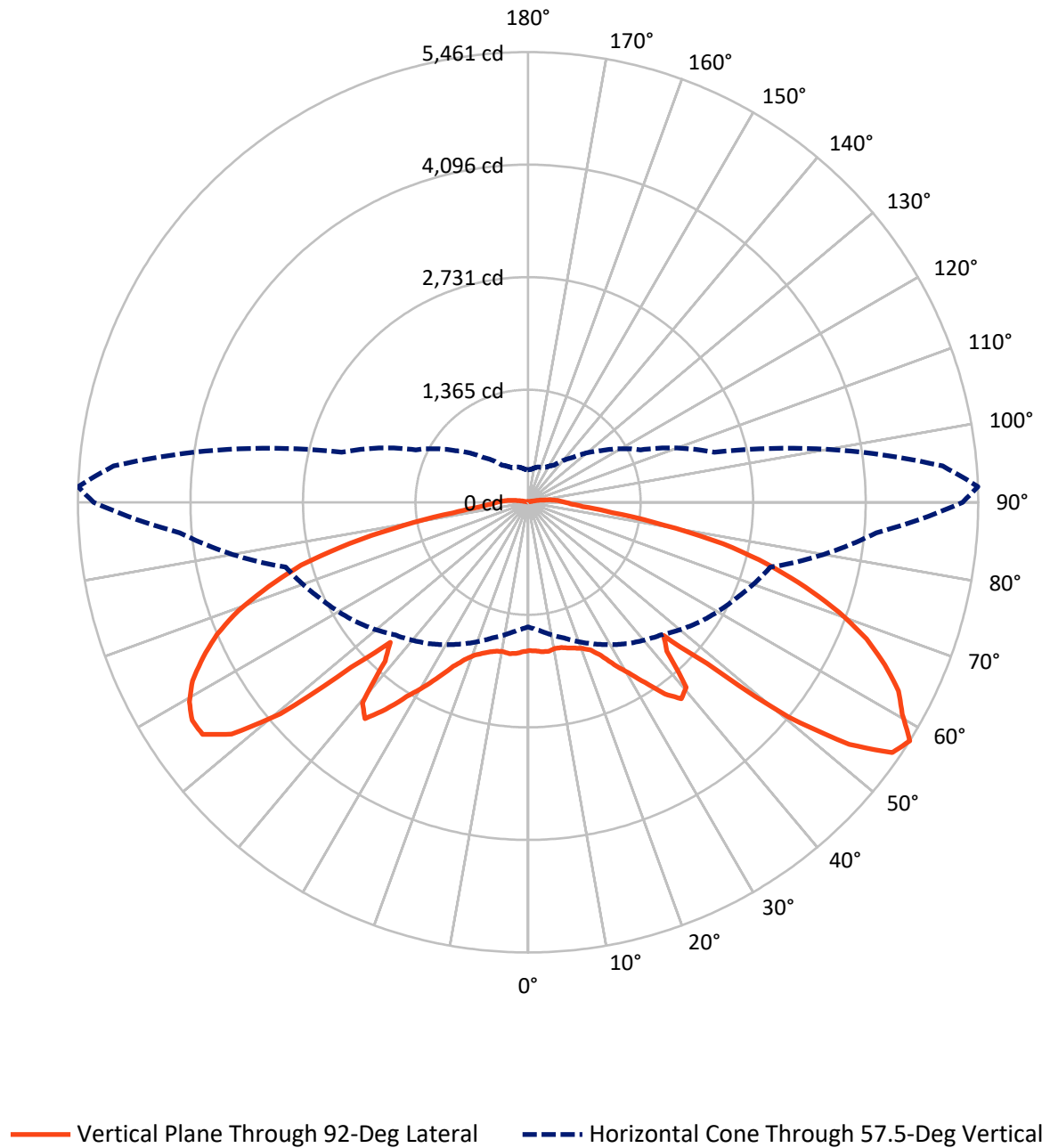


Based on 25 foot mounting height. Maximum calculated value = 3.2 fc
 Type I - Short - N/A

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Luminous Intensity Polar Plot



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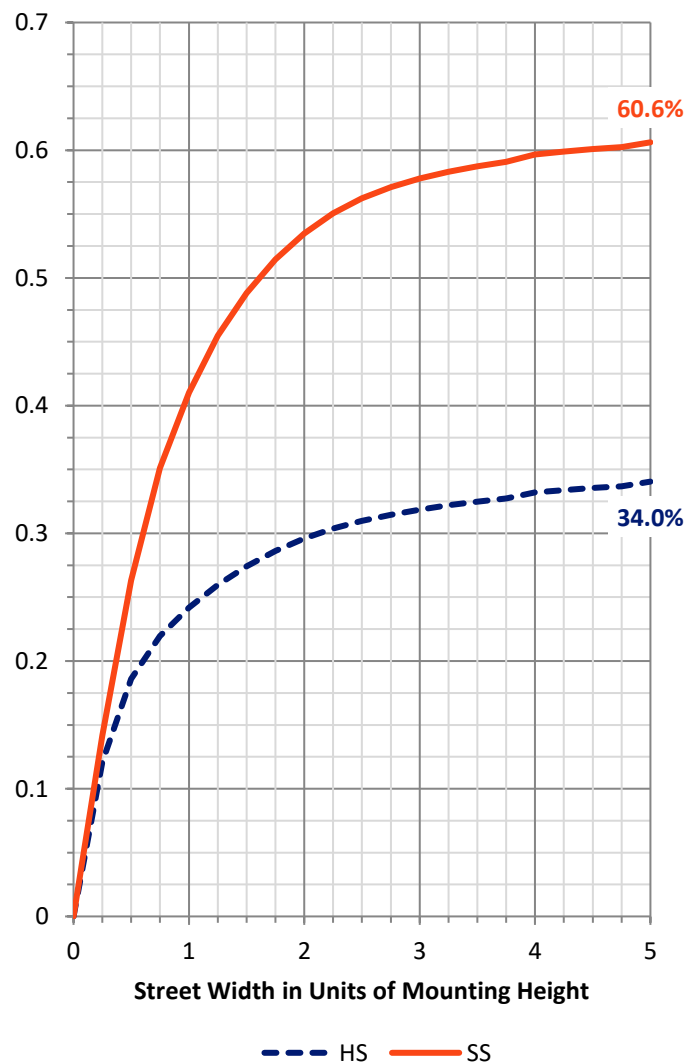
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3421.8	149.5	3571.3
	% Fixture	35.7	1.6	37.2
Street Side	Lumens	5896.7	122.0	6018.7
	% Fixture	61.5	1.3	62.8
Total	Lumens	9318.4	271.5	9590.0
	% Fixture	97.2	2.8	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	172.5	1.8
10°-20°	508.2	5.3
20°-30°	842.9	8.8
30°-40°	1166.5	12.2
40°-50°	1089.2	11.4
50°-60°	1627.6	17.0
60°-70°	1933.3	20.2
70°-80°	1418.9	14.8
80°-90°	559.4	5.8
90°-100°	197.0	2.1
100°-110°	46.6	0.5
110°-120°	18.0	0.2
120°-130°	9.2	0.1
130°-140°	0.8	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°	9318.4	97.2
0°-180°	9590.0	100.0

Coefficient of Utilization



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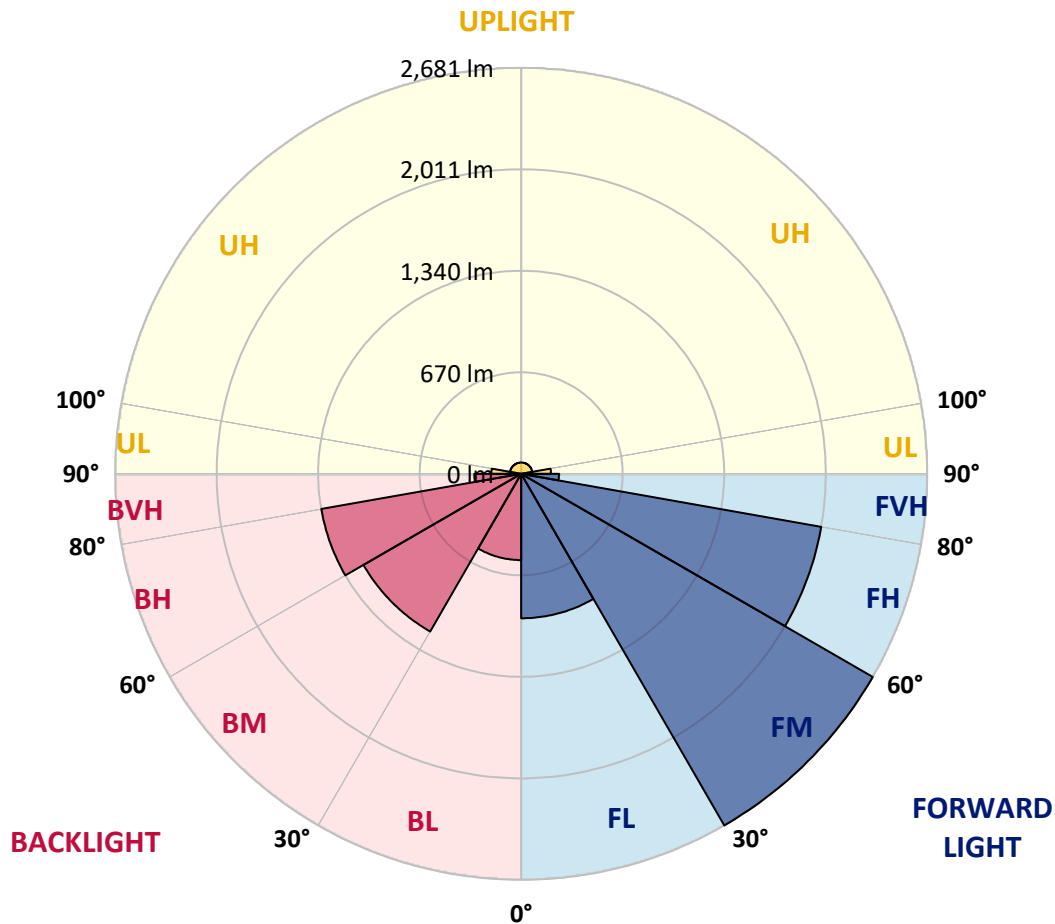
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	954.0	9.9			
FM	(30°-60°)	2680.8	28.0			
FH	(60°-80°)	2011.8	21.0			G2/5000
FVH	(80°-90°)	250.0	2.6			G3/500
BL	(0°-30°)	569.6	5.9	B2/1000		
BM	(30°-60°)	1202.5	12.5	B2/2500		
BH	(60°-80°)	1340.4	14.0	B3/2500		G3/2500
BVH	(80°-90°)	309.4	3.2			G3/500
UL	(90°-100°)	197.0	2.1		U3/500	
UH	(100°-180°)	74.5	0.8		U3/500	

BUG Rating: B3-U3-G3

Type I Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1798.9	1798.9	1798.9	1798.9	1798.9	1798.9	1798.9	1798.9	1798.9	1798.9	1798.9
2.5°	1876.4	1863.5	1866.8	1863.5	1857.1	1850.6	1844.1	1837.7	1828.0	1818.3	1811.8
5°	1986.2	1973.3	1973.3	1973.3	1960.4	1941.0	1915.2	1899.0	1876.4	1850.6	1831.2
7.5°	2060.5	2050.8	2047.6	2044.4	2028.2	2015.3	1986.2	1934.6	1899.0	1866.8	1837.7
10°	2086.4	2086.4	2083.1	2073.5	2057.3	2041.2	2021.8	1973.3	1915.2	1860.3	1821.5
12.5°	2134.8	2141.3	2131.6	2115.4	2109.0	2089.6	2060.5	2021.8	1957.2	1873.2	1828.0
15°	2209.1	2205.9	2192.9	2189.7	2183.3	2160.7	2134.8	2086.4	2012.1	1905.5	1853.8
17.5°	2241.4	2238.2	2238.2	2238.2	2238.2	2222.0	2218.8	2163.9	2086.4	1957.2	1892.6
20°	2247.9	2247.9	2257.5	2280.1	2283.4	2280.1	2296.3	2260.8	2170.3	2021.8	1934.6
22.5°	2289.8	2293.1	2309.2	2331.8	2348.0	2354.4	2367.4	2383.5	2299.5	2125.1	2015.3
25°	2267.2	2283.4	2318.9	2354.4	2393.2	2415.8	2486.8	2541.8	2470.7	2276.9	2128.4
27.5°	2228.5	2241.4	2312.4	2377.0	2464.2	2557.9	2661.3	2732.3	2690.3	2464.2	2309.2
30°	2264.0	2264.0	2309.2	2415.8	2528.8	2700.0	2851.8	2929.3	2909.9	2661.3	2519.1
32.5°	2189.7	2209.1	2306.0	2461.0	2632.2	2855.0	3010.1	3155.4	3174.8	2916.4	2687.1
35°	1970.1	2012.1	2076.7	2280.1	2570.8	2958.4	3197.4	3381.5	3462.2	3207.1	2939.0
37.5°	1627.8	1643.9	1779.6	1983.0	2328.6	2712.9	3126.3	3575.2	3743.2	3426.7	3190.9
40°	1437.2	1446.9	1534.1	1711.7	2002.4	2380.3	2729.1	3190.9	3323.3	3291.0	3068.2
42.5°	1372.6	1388.8	1492.1	1663.3	1908.7	2170.3	2260.8	2461.0	2409.3	2548.2	2619.3
45°	1450.1	1459.8	1534.1	1682.7	1837.7	1950.7	1886.1	2028.2	2099.3	2373.8	2390.0
47.5°	1505.0	1511.5	1592.2	1779.6	1805.4	1808.6	1895.8	1979.8	2176.8	2771.1	3035.9
50°	1291.9	1324.2	1479.2	1640.7	1653.6	1908.7	2157.4	2325.4	2567.6	3649.5	4156.6
52.5°	1198.2	1214.4	1382.3	1663.3	1850.6	2147.7	2325.4	2493.3	2725.8	4030.6	4922.0
55°	1314.5	1340.3	1540.6	1853.8	2041.2	2244.6	2467.5	2674.2	2903.5	4227.6	5264.4
57.5°	1511.5	1559.9	1705.3	1895.8	2092.8	2276.9	2535.3	2774.3	3042.4	4240.6	5270.8
60°	1902.3	1866.8	1786.0	1870.0	2060.5	2270.5	2567.6	2822.7	3119.9	4237.3	5122.3
62.5°	2170.3	2118.7	1850.6	1811.8	1989.5	2202.6	2496.5	2816.3	3103.7	4095.2	4954.3
65°	2118.7	2083.1	1876.4	1734.3	1863.5	2092.8	2399.6	2777.5	3026.2	3943.4	4650.7
67.5°	1828.0	1786.0	1698.8	1643.9	1708.5	1976.6	2309.2	2700.0	2935.8	3769.0	4318.1
70°	1492.1	1469.5	1440.4	1498.6	1579.3	1831.2	2144.5	2532.1	2764.6	3436.4	3962.8
72.5°	1266.0	1253.1	1217.6	1279.0	1414.6	1640.7	1902.3	2289.8	2551.4	2987.4	3523.6
75°	1065.8	1069.0	1049.6	1088.4	1175.6	1398.4	1605.1	1983.0	2273.7	2564.4	3048.8
77.5°	875.2	865.6	884.9	907.5	965.7	1127.2	1266.0	1595.5	1941.0	2034.7	2338.3
80°	639.5	655.6	691.2	687.9	736.4	807.4	901.1	1075.5	1362.9	1456.6	1572.9
82.5°	452.2	471.5	503.8	468.3	474.8	494.1	536.1	616.9	768.7	862.3	959.2
85°	319.7	329.4	335.9	310.0	310.0	323.0	352.0	410.2	503.8	562.0	613.6
87.5°	232.5	235.8	248.7	235.8	239.0	245.5	271.3	310.0	387.6	429.5	471.5
90°	177.6	177.6	184.1	180.9	187.3	200.2	226.1	258.4	316.5	368.2	406.9
92.5°	129.2	129.2	135.6	138.9	142.1	158.3	180.9	206.7	245.5	310.0	348.8
95°	100.1	100.1	106.6	106.6	109.8	122.7	142.1	167.9	197.0	242.2	277.8
97.5°	74.3	74.3	80.7	80.7	84.0	93.7	109.8	126.0	151.8	180.9	197.0
100°	58.1	58.1	61.4	61.4	64.6	74.3	84.0	93.7	100.1	116.3	122.7
102.5°	48.4	48.4	48.4	48.4	48.4	54.9	58.1	58.1	61.4	71.1	74.3
105°	38.8	38.8	38.8	35.5	35.5	38.8	38.8	38.8	42.0	42.0	45.2
107.5°	29.1	29.1	29.1	29.1	29.1	32.3	32.3	32.3	32.3	35.5	35.5
110°	25.8	25.8	25.8	25.8	25.8	25.8	29.1	29.1	29.1	29.1	29.1

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	22.6	22.6	22.6	22.6	22.6	22.6	25.8	25.8	25.8	25.8	25.8
115°	19.4	19.4	19.4	19.4	19.4	22.6	25.8	22.6	22.6	22.6	22.6
117.5°	16.1	16.1	16.1	19.4	19.4	19.4	22.6	19.4	19.4	19.4	22.6
120°	12.9	12.9	16.1	16.1	16.1	16.1	16.1	16.1	19.4	19.4	19.4
122.5°	12.9	12.9	12.9	12.9	12.9	16.1	16.1	16.1	16.1	16.1	19.4
125°	9.7	9.7	9.7	12.9	12.9	12.9	12.9	12.9	12.9	16.1	16.1
127.5°	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	12.9	12.9	12.9
130°	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7
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):

	92°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1798.9	1798.9	1798.9	1798.9	1798.9	1798.9	1798.9	1798.9	1798.9	1798.9	1798.9
2.5°	1805.4	1805.4	1786.0	1766.6	1747.3	1727.9	1711.7	1702.0	1689.1	1692.3	1692.3
5°	1821.5	1811.8	1769.9	1744.0	1715.0	1689.1	1663.3	1640.7	1634.2	1631.0	1618.1
7.5°	1824.8	1808.6	1763.4	1724.6	1669.7	1608.4	1579.3	1553.5	1537.3	1550.2	1543.8
10°	1802.2	1782.8	1731.1	1673.0	1595.5	1543.8	1498.6	1472.7	1459.8	1463.0	1459.8
12.5°	1808.6	1786.0	1702.0	1614.8	1550.2	1463.0	1408.1	1385.5	1369.4	1369.4	1359.7
15°	1834.5	1795.7	1676.2	1585.8	1479.2	1404.9	1340.3	1324.2	1317.7	1311.2	1301.6
17.5°	1860.3	1805.4	1673.0	1534.1	1414.6	1333.9	1269.3	1240.2	1224.0	1224.0	1220.8
20°	1892.6	1824.8	1653.6	1479.2	1353.2	1246.7	1169.1	1143.3	1130.4	1127.2	1120.7
22.5°	1947.5	1876.4	1643.9	1456.6	1272.5	1162.7	1088.4	1040.0	1014.1	1010.9	1010.9
25°	2057.3	1970.1	1663.3	1395.2	1217.6	1075.5	985.1	936.6	907.5	907.5	904.3
27.5°	2231.7	2092.8	1692.3	1372.6	1114.2	981.8	888.2	813.9	788.0	788.0	791.3
30°	2402.9	2280.1	1766.6	1324.2	1056.1	859.1	746.1	691.2	658.9	645.9	649.2
32.5°	2606.3	2477.2	1870.0	1291.9	939.8	713.8	610.4	581.3	532.9	520.0	510.3
35°	2855.0	2667.7	1986.2	1246.7	849.4	607.2	523.2	465.1	442.5	426.3	423.1
37.5°	3023.0	2858.3	2089.6	1256.3	723.4	549.0	455.4	394.0	371.4	374.6	374.6
40°	2951.9	2761.4	2115.4	1191.7	616.9	478.0	381.1	345.6	332.7	335.9	339.1
42.5°	2467.5	2367.4	1750.5	1065.8	510.3	384.3	319.7	319.7	329.4	319.7	319.7
45°	2306.0	2054.1	1272.5	749.3	384.3	316.5	303.6	313.3	335.9	335.9	335.9
47.5°	2919.6	2635.4	1140.1	626.6	429.5	355.3	329.4	313.3	316.5	313.3	313.3
50°	4095.2	3649.5	1530.9	781.6	520.0	423.1	374.6	342.3	342.3	335.9	329.4
52.5°	4876.8	4408.5	1863.5	978.6	652.4	494.1	429.5	371.4	352.0	339.1	335.9
55°	5361.3	5006.0	2151.0	1253.1	849.4	587.8	478.0	416.6	387.6	361.7	358.5
57.5°	5461.4	5048.0	2341.5	1505.0	1094.9	771.9	549.0	461.8	442.5	400.5	394.0
60°	5215.9	4941.4	2415.8	1669.7	1308.0	1017.3	717.0	536.1	494.1	465.1	458.6
62.5°	5044.8	4728.2	2390.0	1724.6	1440.4	1220.8	943.1	658.9	539.4	542.6	571.7
65°	4757.3	4544.2	2199.4	1643.9	1434.0	1288.6	1059.3	762.2	555.5	549.0	584.6
67.5°	4427.9	4259.9	2008.9	1466.3	1320.9	1195.0	985.1	726.7	526.4	494.1	497.4
70°	4004.8	3862.7	1815.1	1366.2	1217.6	1059.3	855.9	629.8	520.0	468.3	468.3
72.5°	3517.1	3349.2	1653.6	1291.9	1162.7	1017.3	820.3	607.2	558.7	539.4	555.5
75°	3000.4	2787.2	1527.6	1220.8	1123.9	1017.3	817.1	607.2	558.7	542.6	542.6
77.5°	2419.0	2293.1	1392.0	1107.8	1046.4	968.9	752.5	565.2	549.0	542.6	542.6
80°	1673.0	1653.6	1133.6	962.4	946.3	917.2	707.3	545.8	545.8	536.1	523.2
82.5°	1027.0	978.6	810.6	720.2	775.1	817.1	642.7	513.5	500.6	490.9	484.5
85°	665.3	668.5	568.4	503.8	536.1	623.3	542.6	465.1	445.7	452.2	452.2
87.5°	510.3	526.4	445.7	410.2	403.7	423.1	426.3	416.6	403.7	394.0	397.2
90°	439.2	445.7	358.5	329.4	326.2	332.7	332.7	352.0	352.0	319.7	300.4
92.5°	368.2	377.9	297.1	268.1	268.1	277.8	284.2	284.2	258.4	209.9	187.3
95°	290.7	297.1	235.8	213.2	216.4	216.4	213.2	203.5	158.3	93.7	84.0
97.5°	203.5	206.7	174.4	161.5	164.7	158.3	138.9	126.0	96.9	54.9	51.7
100°	129.2	132.4	109.8	106.6	116.3	103.3	90.4	84.0	58.1	35.5	42.0
102.5°	77.5	77.5	67.8	64.6	71.1	61.4	54.9	45.2	35.5	22.6	29.1
105°	45.2	45.2	42.0	42.0	42.0	38.8	35.5	29.1	19.4	16.1	16.1
107.5°	35.5	35.5	32.3	32.3	29.1	29.1	25.8	19.4	12.9	9.7	9.7
110°	29.1	29.1	25.8	25.8	25.8	22.6	19.4	16.1	9.7	6.5	6.5

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CANDELA DISTRIBUTION (continued):

	92°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	25.8	25.8	22.6	22.6	19.4	19.4	16.1	12.9	9.7	6.5	6.5
115°	22.6	22.6	19.4	16.1	16.1	16.1	12.9	9.7	6.5	3.2	6.5
117.5°	22.6	22.6	16.1	12.9	12.9	12.9	9.7	9.7	6.5	3.2	3.2
120°	19.4	19.4	12.9	12.9	9.7	9.7	9.7	6.5	3.2	3.2	3.2
122.5°	16.1	16.1	12.9	9.7	9.7	9.7	6.5	6.5	3.2	3.2	3.2
125°	16.1	16.1	9.7	9.7	9.7	6.5	6.5	6.5	3.2	0.0	0.0
127.5°	12.9	12.9	9.7	9.7	6.5	6.5	6.5	3.2	3.2	0.0	0.0
130°	9.7	9.7	9.7	9.7	6.5	6.5	6.5	3.2	3.2	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)