

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: P690840

Luminaire Tested: **CRTK2-C01-5TLD-U-T2-7040-SR-CARETAKER**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P690840
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-C01-5TLD-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: 8553 lumens
Efficiency: N/A
Efficacy: 142.5 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): 60
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



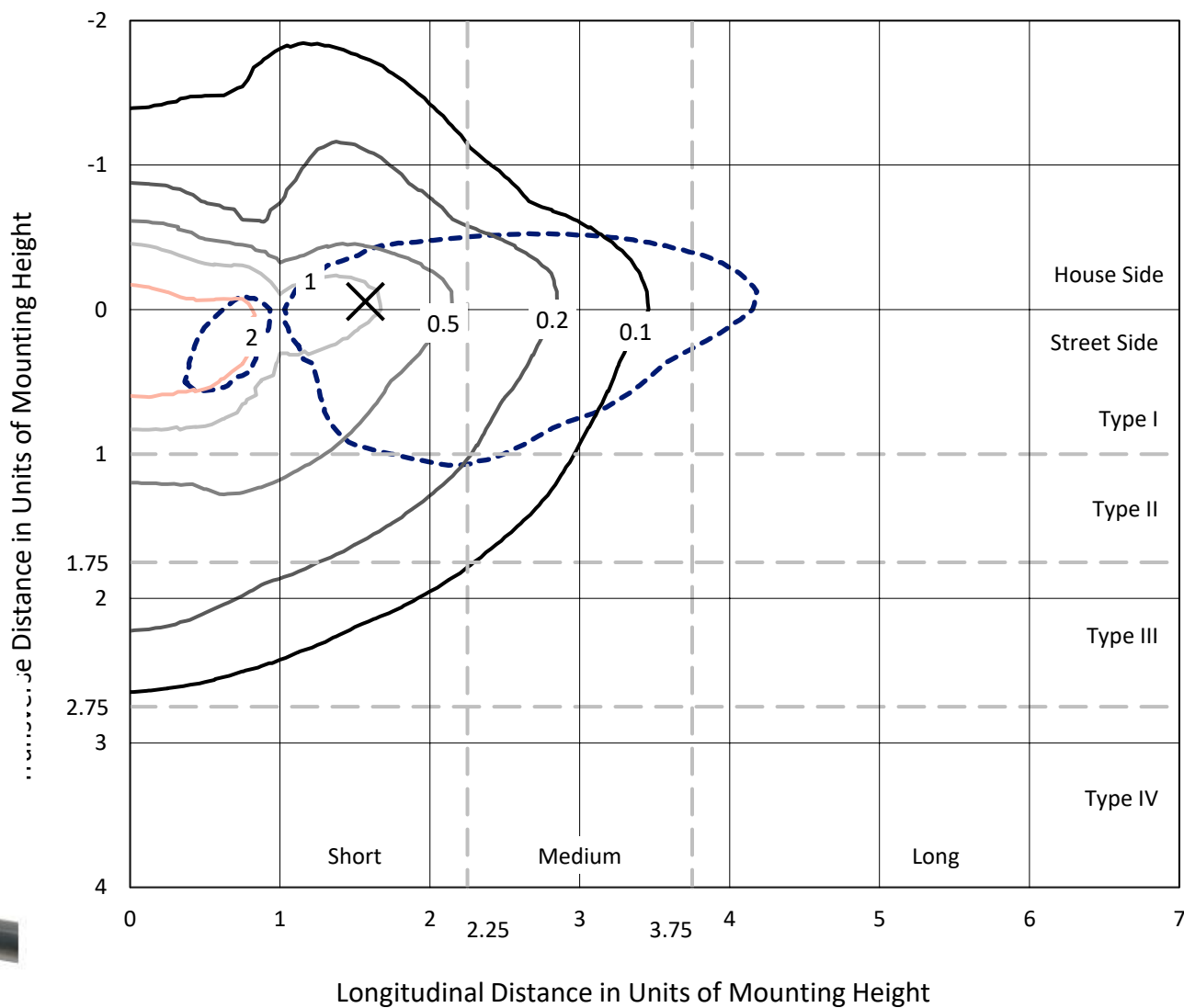
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

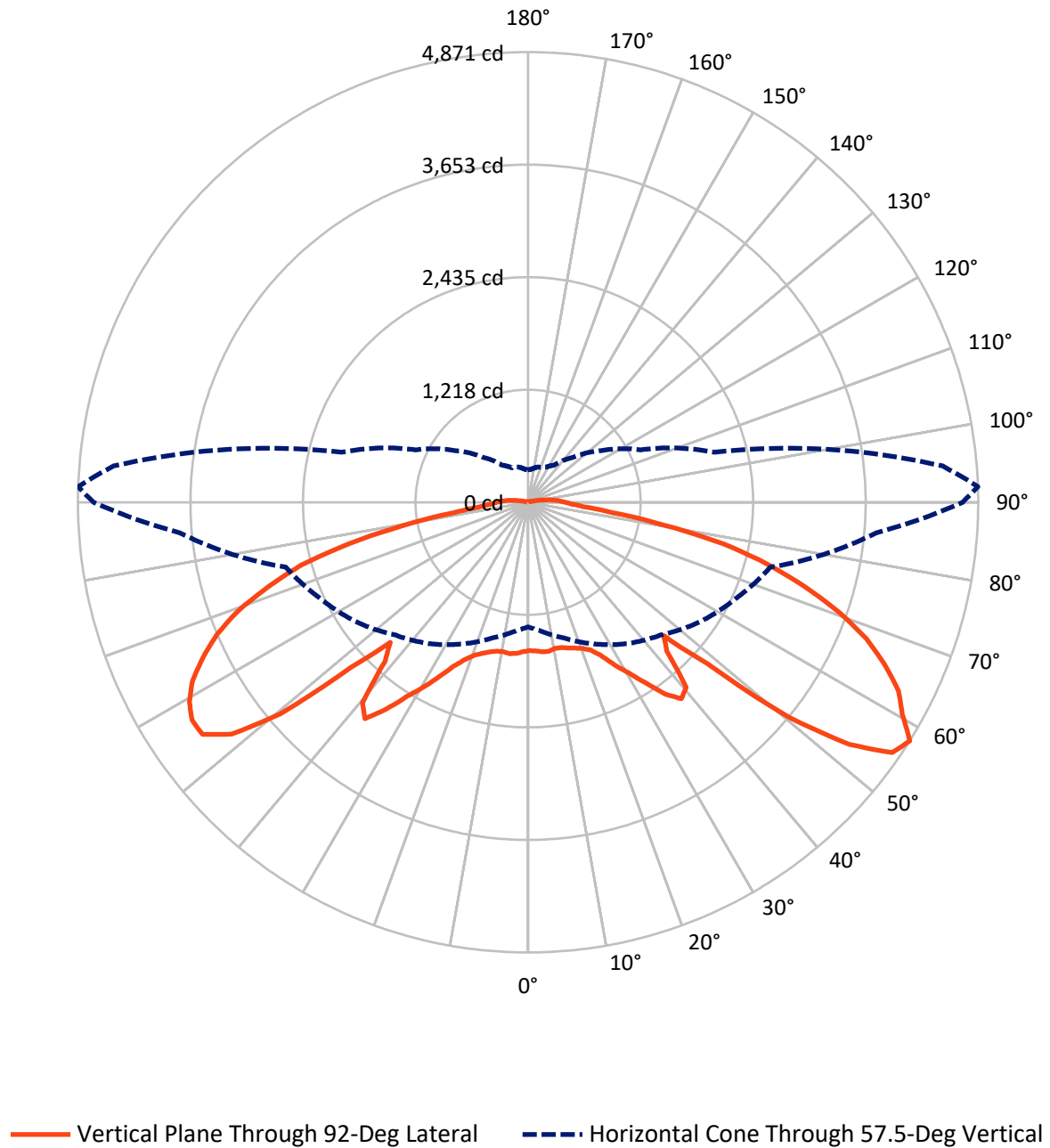


Based on 25 foot mounting height. Maximum calculated value = 2.9 fc
 Type I - Short - N/A

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Luminous Intensity Polar Plot



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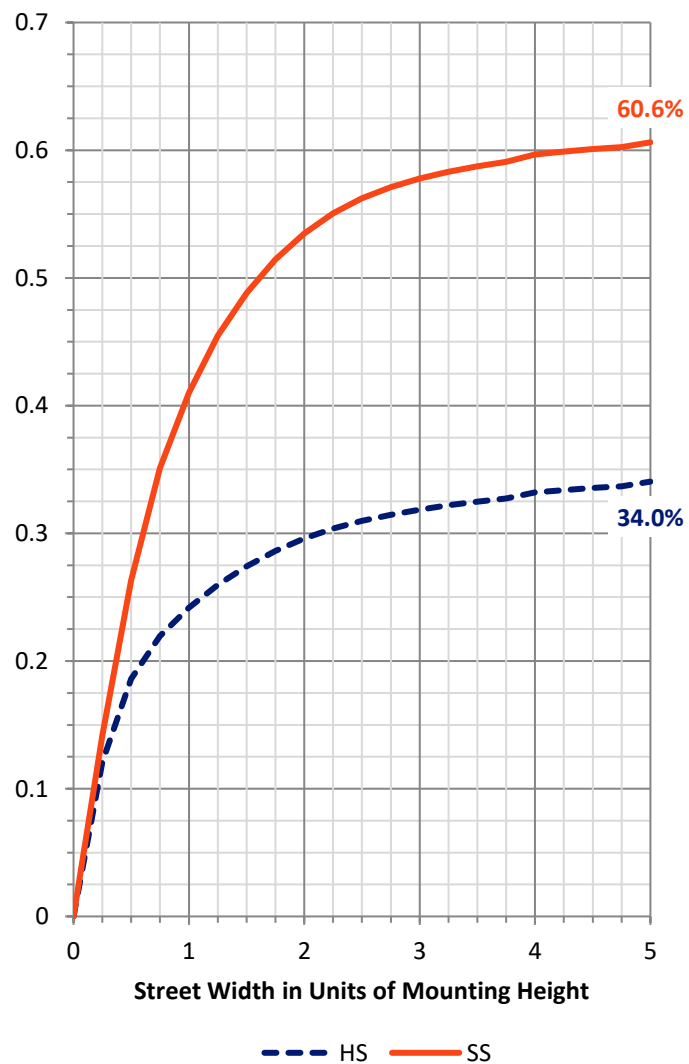
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3051.8	133.3	3185.1
	% Fixture	35.7	1.6	37.2
Street Side	Lumens	5259.0	108.8	5367.9
	% Fixture	61.5	1.3	62.8
Total	Lumens	8310.8	242.2	8553.0
	% Fixture	97.2	2.8	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	153.9	1.8
10°-20°	453.2	5.3
20°-30°	751.7	8.8
30°-40°	1040.4	12.2
40°-50°	971.4	11.4
50°-60°	1451.6	17.0
60°-70°	1724.2	20.2
70°-80°	1265.5	14.8
80°-90°	498.9	5.8
90°-100°	175.7	2.1
100°-110°	41.5	0.5
110°-120°	16.0	0.2
120°-130°	8.2	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°	8310.8	97.2
0°-180°	8553.0	100.0

Coefficient of Utilization



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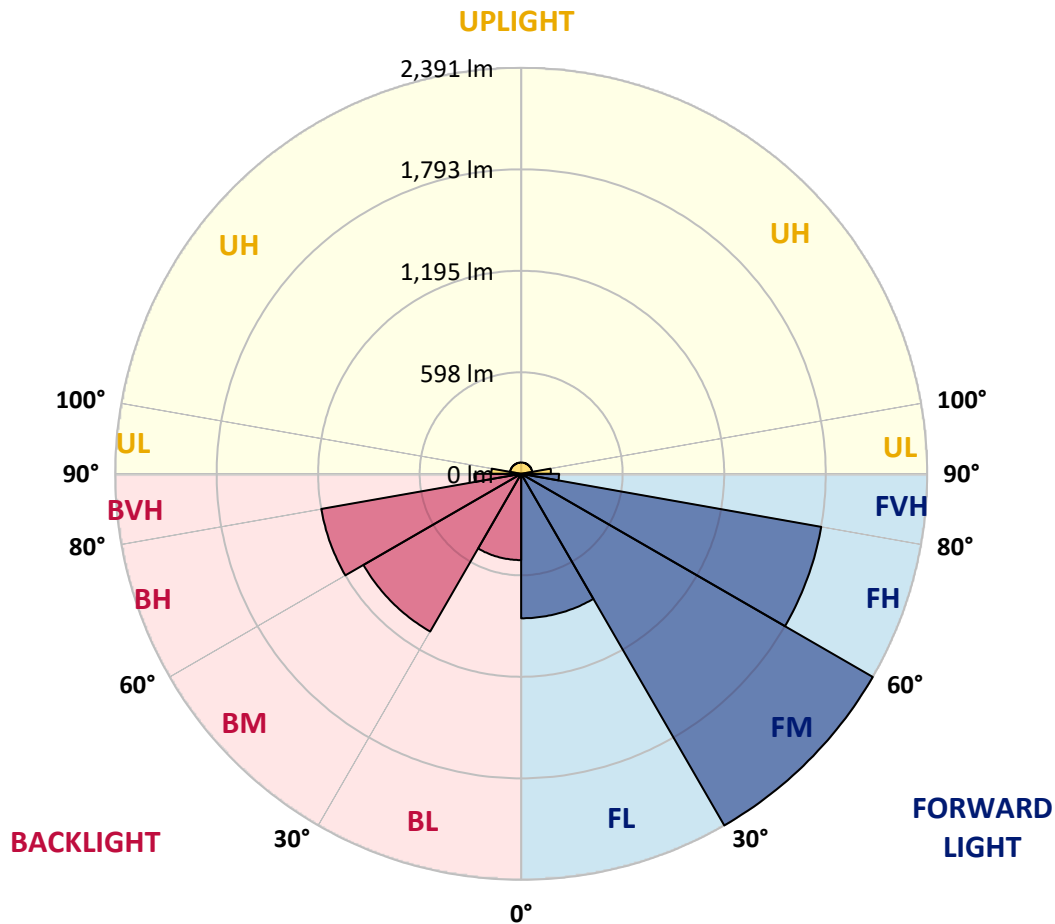
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	850.8	9.9			
FM	(30°-60°)	2390.9	28.0			
FH	(60°-80°)	1794.3	21.0			G1/1800
FVH	(80°-90°)	223.0	2.6			G2/225
BL	(0°-30°)	508.0	5.9	B2/1000		
BM	(30°-60°)	1072.4	12.5	B2/2500		
BH	(60°-80°)	1195.4	14.0	B3/2500		G3/2500
BVH	(80°-90°)	275.9	3.2			G3/500
UL	(90°-100°)	175.7	2.1		U3/500	
UH	(100°-180°)	66.5	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°	1604.4	1604.4	1604.4	1604.4	1604.4	1604.4	1604.4	1604.4	1604.4	1604.4	1604.4
2.5°	1673.5	1662.0	1664.9	1662.0	1656.3	1650.5	1644.7	1639.0	1630.3	1621.7	1615.9
5°	1771.5	1759.9	1759.9	1759.9	1748.4	1731.1	1708.1	1693.7	1673.5	1650.5	1633.2
7.5°	1837.7	1829.1	1826.2	1823.3	1808.9	1797.4	1771.5	1725.4	1693.7	1664.9	1639.0
10°	1860.8	1860.8	1857.9	1849.2	1834.8	1820.4	1803.2	1759.9	1708.1	1659.1	1624.6
12.5°	1904.0	1909.7	1901.1	1886.7	1880.9	1863.6	1837.7	1803.2	1745.5	1670.7	1630.3
15°	1970.2	1967.3	1955.8	1952.9	1947.2	1927.0	1904.0	1860.8	1794.5	1699.5	1653.4
17.5°	1999.0	1996.1	1996.1	1996.1	1996.1	1981.7	1978.9	1929.9	1860.8	1745.5	1687.9
20°	2004.8	2004.8	2013.4	2033.6	2036.5	2033.6	2048.0	2016.3	1935.7	1803.2	1725.4
22.5°	2042.2	2045.1	2059.5	2079.7	2094.1	2099.8	2111.4	2125.8	2050.9	1895.3	1797.4
25°	2022.1	2036.5	2068.2	2099.8	2134.4	2154.6	2217.9	2266.9	2203.5	2030.7	1898.2
27.5°	1987.5	1999.0	2062.4	2120.0	2197.8	2281.3	2373.5	2436.9	2399.4	2197.8	2059.5
30°	2019.2	2019.2	2059.5	2154.6	2255.4	2408.0	2543.4	2612.6	2595.3	2373.5	2246.7
32.5°	1952.9	1970.2	2056.6	2194.9	2347.6	2546.3	2684.6	2814.2	2831.5	2601.0	2396.5
35°	1757.1	1794.5	1852.1	2033.6	2292.8	2638.5	2851.6	3015.8	3087.8	2860.3	2621.2
37.5°	1451.7	1466.1	1587.1	1768.6	2076.8	2419.6	2788.3	3188.6	3338.4	3056.1	2845.9
40°	1281.8	1290.4	1368.2	1526.6	1785.9	2122.9	2434.0	2845.9	2964.0	2935.2	2736.4
42.5°	1224.2	1238.6	1330.8	1483.4	1702.3	1935.7	2016.3	2194.9	2148.8	2272.7	2336.0
45°	1293.3	1302.0	1368.2	1500.7	1639.0	1739.8	1682.2	1808.9	1872.3	2117.1	2131.5
47.5°	1342.3	1348.0	1420.1	1587.1	1610.2	1613.0	1690.8	1765.7	1941.4	2471.4	2707.6
50°	1152.2	1181.0	1319.2	1463.3	1474.8	1702.3	1924.1	2073.9	2289.9	3254.9	3707.1
52.5°	1068.6	1083.0	1232.8	1483.4	1650.5	1915.5	2073.9	2223.7	2431.1	3594.8	4389.8
55°	1172.3	1195.4	1374.0	1653.4	1820.4	2001.9	2200.7	2385.0	2589.5	3770.5	4695.1
57.5°	1348.0	1391.3	1520.9	1690.8	1866.5	2030.7	2261.1	2474.3	2713.4	3782.0	4700.9
60°	1696.6	1664.9	1592.9	1667.8	1837.7	2024.9	2289.9	2517.5	2782.5	3779.1	4568.4
62.5°	1935.7	1889.6	1650.5	1615.9	1774.3	1964.5	2226.6	2511.7	2768.1	3652.4	4418.6
65°	1889.6	1857.9	1673.5	1546.8	1662.0	1866.5	2140.2	2477.2	2699.0	3517.0	4147.8
67.5°	1630.3	1592.9	1515.1	1466.1	1523.8	1762.8	2059.5	2408.0	2618.3	3361.5	3851.1
70°	1330.8	1310.6	1284.7	1336.5	1408.5	1633.2	1912.6	2258.3	2465.7	3064.8	3534.3
72.5°	1129.1	1117.6	1085.9	1140.7	1261.6	1463.3	1696.6	2042.2	2275.5	2664.4	3142.6
75°	950.5	953.4	936.1	970.7	1048.5	1247.2	1431.6	1768.6	2027.8	2287.1	2719.1
77.5°	780.6	772.0	789.2	809.4	861.3	1005.3	1129.1	1422.9	1731.1	1814.7	2085.4
80°	570.3	584.7	616.4	613.5	656.7	720.1	803.6	959.2	1215.5	1299.1	1402.8
82.5°	403.3	420.5	449.3	417.7	423.4	440.7	478.2	550.2	685.5	769.1	855.5
85°	285.2	293.8	299.6	276.5	276.5	288.0	314.0	365.8	449.3	501.2	547.3
87.5°	207.4	210.3	221.8	210.3	213.2	218.9	242.0	276.5	345.7	383.1	420.5
90°	158.4	158.4	164.2	161.3	167.1	178.6	201.6	230.4	282.3	328.4	362.9
92.5°	115.2	115.2	121.0	123.9	126.7	141.1	161.3	184.3	218.9	276.5	311.1
95°	89.3	89.3	95.1	95.1	97.9	109.5	126.7	149.8	175.7	216.0	247.7
97.5°	66.3	66.3	72.0	72.0	74.9	83.5	97.9	112.3	135.4	161.3	175.7
100°	51.8	51.8	54.7	54.7	57.6	66.3	74.9	83.5	89.3	103.7	109.5
102.5°	43.2	43.2	43.2	43.2	43.2	49.0	51.8	51.8	54.7	63.4	66.3
105°	34.6	34.6	34.6	31.7	31.7	34.6	34.6	34.6	37.4	37.4	40.3
107.5°	25.9	25.9	25.9	25.9	25.9	28.8	28.8	28.8	28.8	31.7	31.7
110°	23.0	23.0	23.0	23.0	23.0	23.0	25.9	25.9	25.9	25.9	25.9

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	20.2	20.2	20.2	20.2	20.2	20.2	23.0	23.0	23.0	23.0	23.0
115°	17.3	17.3	17.3	17.3	17.3	20.2	23.0	20.2	20.2	20.2	20.2
117.5°	14.4	14.4	14.4	17.3	17.3	17.3	20.2	17.3	17.3	17.3	20.2
120°	11.5	11.5	14.4	14.4	14.4	14.4	14.4	14.4	17.3	17.3	17.3
122.5°	11.5	11.5	11.5	11.5	11.5	14.4	14.4	14.4	14.4	14.4	17.3
125°	8.6	8.6	8.6	11.5	11.5	11.5	11.5	11.5	11.5	14.4	14.4
127.5°	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	11.5	11.5	11.5
130°	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6
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°	1604.4	1604.4	1604.4	1604.4	1604.4	1604.4	1604.4	1604.4	1604.4	1604.4	1604.4
2.5°	1610.2	1610.2	1592.9	1575.6	1558.3	1541.0	1526.6	1518.0	1506.5	1509.3	1509.3
5°	1624.6	1615.9	1578.5	1555.4	1529.5	1506.5	1483.4	1463.3	1457.5	1454.6	1443.1
7.5°	1627.4	1613.0	1572.7	1538.2	1489.2	1434.5	1408.5	1385.5	1371.1	1382.6	1376.8
10°	1607.3	1590.0	1543.9	1492.1	1422.9	1376.8	1336.5	1313.5	1302.0	1304.8	1302.0
12.5°	1613.0	1592.9	1518.0	1440.2	1382.6	1304.8	1255.9	1235.7	1221.3	1221.3	1212.7
15°	1636.1	1601.5	1494.9	1414.3	1319.2	1253.0	1195.4	1181.0	1175.2	1169.5	1160.8
17.5°	1659.1	1610.2	1492.1	1368.2	1261.6	1189.6	1132.0	1106.1	1091.7	1091.7	1088.8
20°	1687.9	1627.4	1474.8	1319.2	1206.9	1111.8	1042.7	1019.7	1008.2	1005.3	999.5
22.5°	1736.9	1673.5	1466.1	1299.1	1134.9	1037.0	970.7	927.5	904.5	901.6	901.6
25°	1834.8	1757.1	1483.4	1244.3	1085.9	959.2	878.5	835.3	809.4	809.4	806.5
27.5°	1990.4	1866.5	1509.3	1224.2	993.8	875.7	792.1	725.9	702.8	702.8	705.7
30°	2143.0	2033.6	1575.6	1181.0	941.9	766.2	665.4	616.4	587.6	576.1	579.0
32.5°	2324.5	2209.3	1667.8	1152.2	838.2	636.6	544.4	518.5	475.3	463.8	455.1
35°	2546.3	2379.2	1771.5	1111.8	757.6	541.5	466.6	414.8	394.6	380.2	377.3
37.5°	2696.1	2549.2	1863.6	1120.5	645.2	489.7	406.1	351.4	331.3	334.1	334.1
40°	2632.7	2462.8	1886.7	1062.9	550.2	426.3	339.9	308.2	296.7	299.6	302.4
42.5°	2200.7	2111.4	1561.2	950.5	455.1	342.8	285.2	285.2	293.8	285.2	285.2
45°	2056.6	1832.0	1134.9	668.3	342.8	282.3	270.8	279.4	299.6	299.6	299.6
47.5°	2603.9	2350.4	1016.8	558.8	383.1	316.8	293.8	279.4	282.3	279.4	279.4
50°	3652.4	3254.9	1365.3	697.1	463.8	377.3	334.1	305.3	305.3	299.6	293.8
52.5°	4349.5	3931.8	1662.0	872.8	581.8	440.7	383.1	331.3	314.0	302.4	299.6
55°	4781.5	4464.7	1918.4	1117.6	757.6	524.2	426.3	371.6	345.7	322.6	319.7
57.5°	4870.8	4502.1	2088.3	1342.3	976.5	688.4	489.7	411.9	394.6	357.2	351.4
60°	4651.9	4407.1	2154.6	1489.2	1166.6	907.3	639.5	478.2	440.7	414.8	409.0
62.5°	4499.2	4217.0	2131.5	1538.2	1284.7	1088.8	841.1	587.6	481.0	483.9	509.8
65°	4242.9	4052.8	1961.6	1466.1	1278.9	1149.3	944.8	679.8	495.4	489.7	521.4
67.5°	3949.1	3799.3	1791.6	1307.7	1178.1	1065.8	878.5	648.1	469.5	440.7	443.6
70°	3571.7	3445.0	1618.8	1218.4	1085.9	944.8	763.3	561.7	463.8	417.7	417.7
72.5°	3136.8	2987.0	1474.8	1152.2	1037.0	907.3	731.6	541.5	498.3	481.0	495.4
75°	2675.9	2485.8	1362.4	1088.8	1002.4	907.3	728.8	541.5	498.3	483.9	483.9
77.5°	2157.4	2045.1	1241.5	988.0	933.3	864.1	671.1	504.1	489.7	483.9	483.9
80°	1492.1	1474.8	1011.0	858.4	844.0	818.0	630.8	486.8	486.8	478.2	466.6
82.5°	916.0	872.8	723.0	642.3	691.3	728.8	573.2	458.0	446.5	437.8	432.1
85°	593.4	596.3	507.0	449.3	478.2	555.9	483.9	414.8	397.5	403.3	403.3
87.5°	455.1	469.5	397.5	365.8	360.1	377.3	380.2	371.6	360.1	351.4	354.3
90°	391.7	397.5	319.7	293.8	290.9	296.7	296.7	314.0	314.0	285.2	267.9
92.5°	328.4	337.0	265.0	239.1	239.1	247.7	253.5	253.5	230.4	187.2	167.1
95°	259.2	265.0	210.3	190.1	193.0	193.0	190.1	181.5	141.1	83.5	74.9
97.5°	181.5	184.3	155.5	144.0	146.9	141.1	123.9	112.3	86.4	49.0	46.1
100°	115.2	118.1	97.9	95.1	103.7	92.2	80.7	74.9	51.8	31.7	37.4
102.5°	69.1	69.1	60.5	57.6	63.4	54.7	49.0	40.3	31.7	20.2	25.9
105°	40.3	40.3	37.4	37.4	37.4	34.6	31.7	25.9	17.3	14.4	14.4
107.5°	31.7	31.7	28.8	28.8	25.9	25.9	23.0	17.3	11.5	8.6	8.6
110°	25.9	25.9	23.0	23.0	23.0	20.2	17.3	14.4	8.6	5.8	5.8

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CANDELA DISTRIBUTION (continued):

	92°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	23.0	23.0	20.2	20.2	17.3	17.3	14.4	11.5	8.6	5.8	5.8
115°	20.2	20.2	17.3	14.4	14.4	14.4	11.5	8.6	5.8	2.9	5.8
117.5°	20.2	20.2	14.4	11.5	11.5	11.5	8.6	8.6	5.8	2.9	2.9
120°	17.3	17.3	11.5	11.5	8.6	8.6	8.6	5.8	2.9	2.9	2.9
122.5°	14.4	14.4	11.5	8.6	8.6	8.6	5.8	5.8	2.9	2.9	2.9
125°	14.4	14.4	8.6	8.6	8.6	5.8	5.8	5.8	2.9	0.0	0.0
127.5°	11.5	11.5	8.6	8.6	5.8	5.8	5.8	2.9	2.9	0.0	0.0
130°	8.6	8.6	8.6	8.6	5.8	5.8	5.8	2.9	2.9	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)