

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: P691808

Luminaire Tested: **CRTK2-C01H-5TLD-U-T3-8027-SR-CARETAKER**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691808
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-13)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C01H-5TLD-U-T3-8027-SR-CARETAKER
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 2700K LED WITH TYPE III OPTIC AND SR REFRACTOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8868 lumens
Efficiency: N/A
Efficacy: 118.4 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.29')
IES Classification: Type III - Short
BUG Rating: B3 - U3 - G3

Input Watts (W): 74.9
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



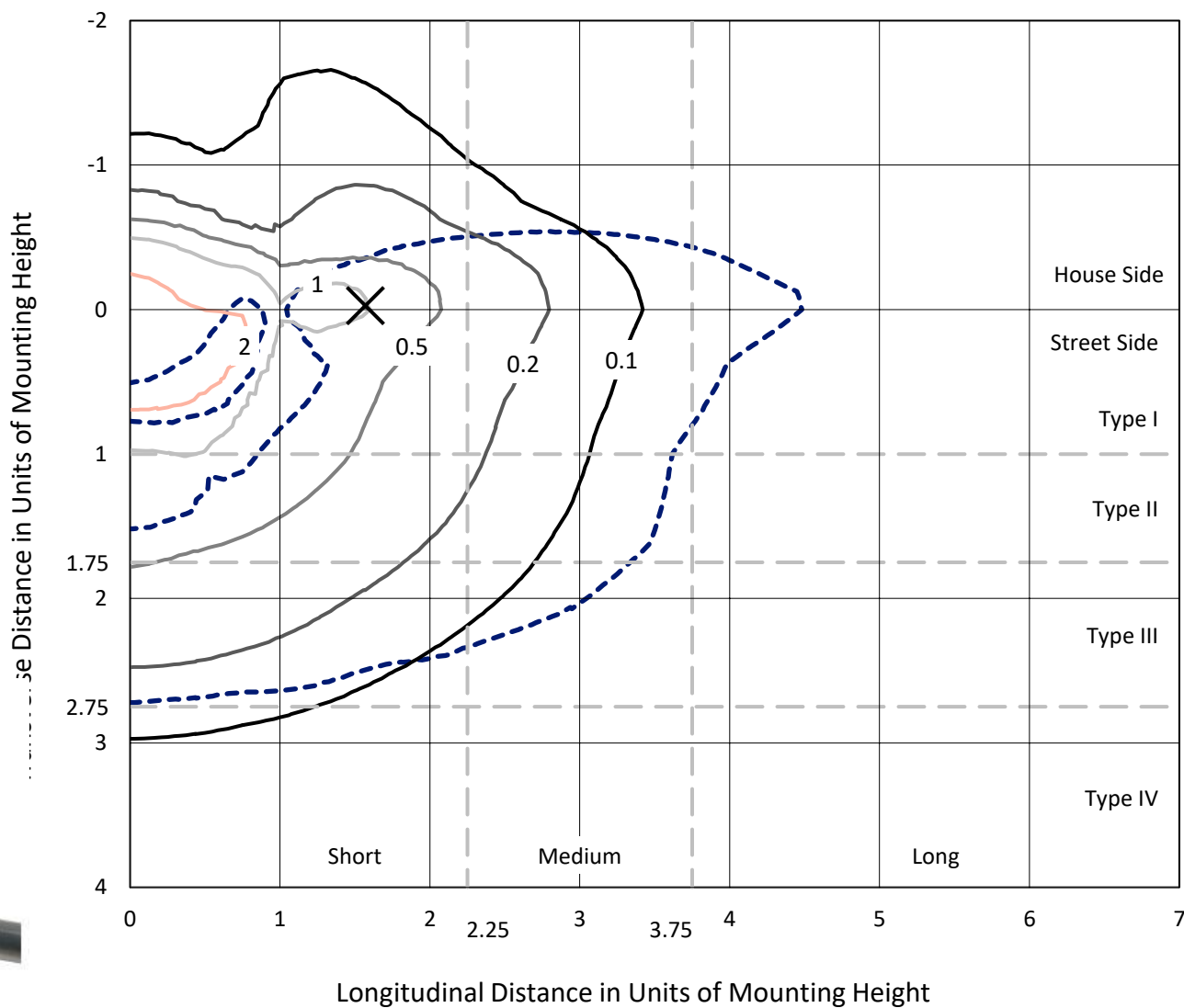
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

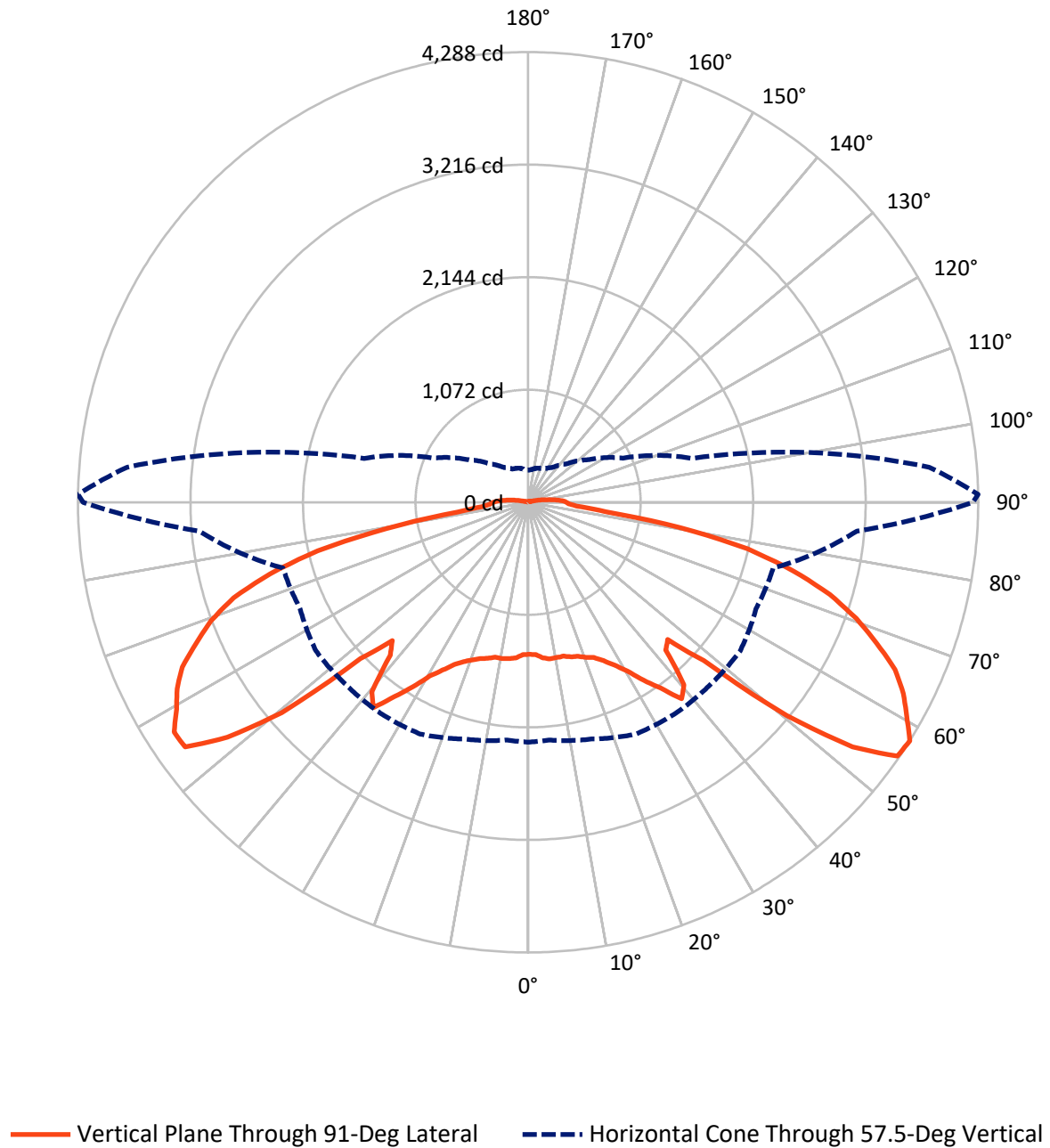


Based on 25 foot mounting height. Maximum calculated value = 2.5 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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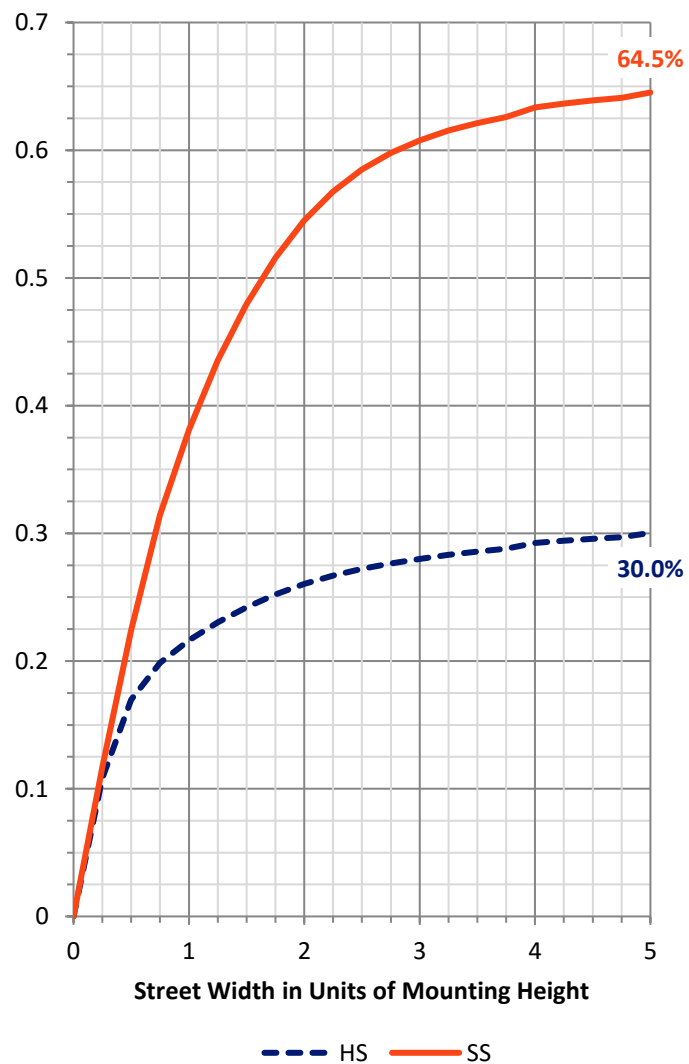
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2814.9	136.9	2951.7
	% Fixture	31.7	1.5	33.3
Street Side	Lumens	5799.1	117.1	5916.2
	% Fixture	65.4	1.3	66.7
Total	Lumens	8614.0	254.0	8868.0
	% Fixture	97.1	2.9	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	141.6	1.6
10°-20°	431.0	4.9
20°-30°	732.8	8.3
30°-40°	1031.0	11.6
40°-50°	979.1	11.0
50°-60°	1466.7	16.5
60°-70°	1897.9	21.4
70°-80°	1436.3	16.2
80°-90°	497.5	5.6
90°-100°	186.8	2.1
100°-110°	43.8	0.5
110°-120°	15.1	0.2
120°-130°	7.7	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°	8614.0	97.1
0°-180°	8868.0	100.0

Coefficient of Utilization



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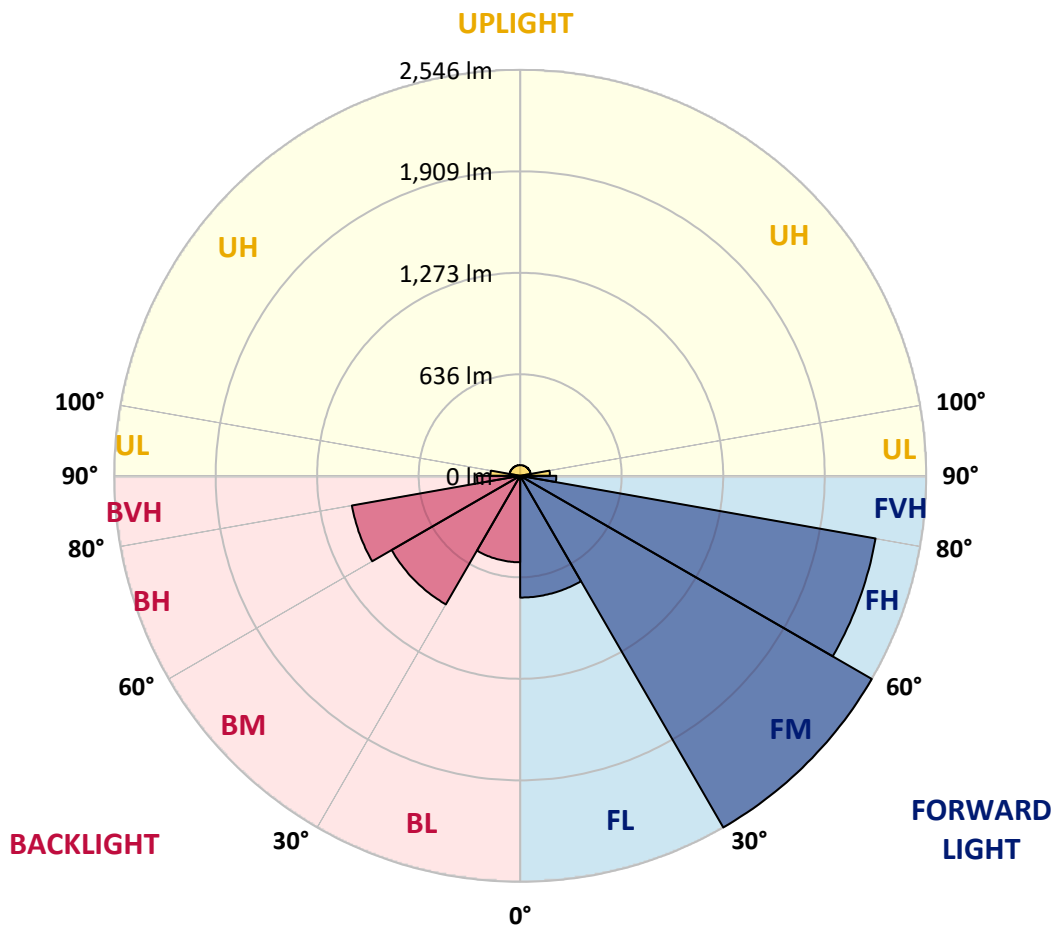
CATALOG NUMBER: CRTK2-C01H-5TLD-U-T3-8027-SR-CARETAKER

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	763.5	8.6			
FM	(30°-60°)	2545.8	28.7			
FH	(60°-80°)	2263.0	25.5			G2/5000
FVH	(80°-90°)	226.9	2.6			G3/500
BL	(0°-30°)	541.9	6.1	B2/1000		
BM	(30°-60°)	931.0	10.5	B1/1000		
BH	(60°-80°)	1071.3	12.1	B3/2500		G3/2500
BVH	(80°-90°)	270.7	3.1			G3/500
UL	(90°-100°)	186.8	2.1		U3/500	
UH	(100°-180°)	67.2	0.8		U3/500	

BUG Rating: B3-U3-G3

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1447.9	1447.9	1447.9	1447.9	1447.9	1447.9	1447.9	1447.9	1447.9	1447.9	1447.9
2.5°	1421.4	1421.4	1421.4	1424.4	1433.2	1439.1	1442.0	1439.1	1442.0	1447.9	1453.7
5°	1462.6	1459.6	1456.7	1450.8	1447.9	1447.9	1450.8	1450.8	1456.7	1477.2	1489.0
7.5°	1500.7	1494.9	1491.9	1491.9	1489.0	1474.3	1471.4	1462.6	1459.6	1486.1	1503.7
10°	1571.2	1565.3	1547.7	1527.2	1521.3	1503.7	1477.2	1471.4	1474.3	1503.7	1509.5
12.5°	1635.8	1632.9	1621.1	1600.6	1571.2	1553.6	1515.4	1497.8	1500.7	1518.4	1506.6
15°	1744.5	1732.7	1697.5	1679.9	1650.5	1618.2	1568.3	1547.7	1553.6	1538.9	1533.0
17.5°	1809.1	1800.3	1800.3	1768.0	1747.4	1691.6	1644.6	1606.5	1621.1	1583.0	1550.7
20°	1867.8	1867.8	1870.8	1876.7	1838.5	1794.4	1729.8	1682.8	1685.8	1630.0	1583.0
22.5°	1958.9	1950.1	1958.9	1967.7	1941.3	1903.1	1823.8	1776.8	1756.2	1685.8	1624.1
25°	2052.9	2047.0	2047.0	2070.5	2079.3	2020.6	1947.1	1897.2	1867.8	1765.1	1682.8
27.5°	2146.8	2149.8	2158.6	2167.4	2182.1	2152.7	2079.3	2041.1	2002.9	1859.0	1776.8
30°	2223.2	2217.3	2255.5	2276.1	2290.8	2302.5	2220.3	2179.2	2138.0	1979.4	1882.5
32.5°	2308.4	2308.4	2343.6	2381.8	2402.4	2425.8	2358.3	2331.9	2287.8	2123.4	2058.7
35°	2378.9	2378.9	2431.7	2496.3	2534.5	2552.1	2516.9	2514.0	2505.1	2320.1	2226.1
37.5°	2141.0	2170.3	2252.6	2381.8	2528.6	2646.1	2654.9	2713.7	2743.0	2543.3	2422.9
40°	1867.8	1876.7	1973.6	2088.1	2226.1	2373.0	2514.0	2687.2	2666.7	2425.8	2320.1
42.5°	1682.8	1706.3	1829.7	1917.8	2008.8	2099.9	2099.9	2094.0	1947.1	1991.2	1950.1
45°	1665.2	1671.1	1773.9	1906.0	1941.3	1815.0	1638.8	1541.9	1553.6	1768.0	1864.9
47.5°	1847.3	1856.1	1961.8	2088.1	1961.8	1738.6	1565.3	1550.7	1541.9	1920.7	2249.6
50°	1944.2	1950.1	2049.9	2114.5	1917.8	1914.8	1917.8	1864.9	1817.9	2519.8	3227.6
52.5°	2002.9	2008.8	2002.9	2085.2	2017.6	2173.3	2120.4	2032.3	1997.1	2919.2	3812.0
55°	1847.3	1885.5	2044.1	2261.4	2267.3	2320.1	2299.6	2220.3	2217.3	3069.0	4249.6
57.5°	2284.9	2273.1	2334.8	2434.7	2452.3	2455.2	2467.0	2396.5	2417.0	3145.4	4237.9
60°	2587.4	2555.1	2490.5	2537.5	2558.0	2590.3	2631.4	2552.1	2575.6	3212.9	4052.9
62.5°	2872.3	2822.3	2572.7	2563.9	2596.2	2660.8	2719.5	2657.9	2678.4	3236.4	3923.6
65°	2831.1	2787.1	2599.1	2496.3	2543.3	2631.4	2713.7	2684.3	2678.4	3186.5	3765.1
67.5°	2440.5	2443.5	2422.9	2422.9	2405.3	2531.6	2663.7	2666.7	2637.3	3060.2	3527.2
70°	2096.9	2085.2	2117.5	2240.8	2258.4	2408.2	2584.4	2613.8	2575.6	2919.2	3298.1
72.5°	1785.6	1776.8	1782.7	1885.5	2032.3	2196.8	2396.5	2467.0	2411.2	2666.7	3019.1
75°	1477.2	1468.4	1465.5	1500.7	1618.2	1823.8	2052.9	2179.2	2132.2	2299.6	2610.9
77.5°	1121.9	1104.3	1104.3	1116.0	1204.1	1389.1	1609.4	1785.6	1762.1	1853.2	2105.7
80°	746.0	748.9	743.0	740.1	798.8	907.5	1069.0	1280.5	1268.7	1268.7	1397.9
82.5°	472.8	472.8	481.6	452.3	446.4	458.2	496.3	581.5	587.4	643.2	687.2
85°	302.5	305.4	305.4	276.1	267.3	276.1	302.5	328.9	340.7	396.5	446.4
87.5°	220.3	220.3	214.4	208.5	211.5	220.3	240.8	264.3	284.9	328.9	373.0
90°	167.4	167.4	164.5	161.5	167.4	179.1	205.6	232.0	258.4	308.4	349.5
92.5°	138.0	138.0	135.1	135.1	138.0	146.8	170.3	199.7	226.1	267.3	305.4
95°	114.5	117.5	114.5	117.5	120.4	126.3	141.0	164.5	182.1	208.5	234.9
97.5°	91.0	94.0	94.0	94.0	96.9	105.7	114.5	129.2	141.0	152.7	170.3
100°	67.5	70.5	70.5	70.5	73.4	82.2	91.0	96.9	99.9	102.8	111.6
102.5°	49.9	52.9	52.9	52.9	52.9	58.7	61.7	64.6	64.6	64.6	67.5
105°	35.2	35.2	35.2	35.2	35.2	35.2	38.2	38.2	38.2	38.2	38.2
107.5°	26.4	26.4	26.4	26.4	26.4	26.4	29.4	29.4	29.4	29.4	29.4
110°	23.5	23.5	23.5	23.5	23.5	23.5	23.5	26.4	23.5	23.5	26.4

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	20.6	20.6	20.6	20.6	20.6	20.6	23.5	23.5	20.6	20.6	20.6
115°	17.6	17.6	17.6	17.6	17.6	17.6	20.6	20.6	17.6	17.6	17.6
117.5°	14.7	14.7	14.7	14.7	14.7	14.7	17.6	17.6	14.7	17.6	17.6
120°	14.7	17.6	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	17.6
122.5°	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	14.7	14.7
125°	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
127.5°	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	11.7	11.7
130°	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8
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):

	91°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1447.9	1447.9	1447.9	1447.9	1447.9	1447.9	1447.9	1447.9	1447.9	1447.9	1447.9
2.5°	1453.7	1459.6	1471.4	1483.1	1494.9	1506.6	1512.5	1515.4	1518.4	1512.5	1515.4
5°	1489.0	1494.9	1512.5	1530.1	1527.2	1518.4	1506.6	1506.6	1509.5	1509.5	1515.4
7.5°	1506.6	1515.4	1509.5	1512.5	1518.4	1509.5	1497.8	1483.1	1465.5	1465.5	1468.4
10°	1503.7	1494.9	1503.7	1494.9	1474.3	1471.4	1465.5	1444.9	1433.2	1436.1	1436.1
12.5°	1503.7	1500.7	1483.1	1474.3	1456.7	1424.4	1409.7	1415.6	1400.9	1403.8	1397.9
15°	1527.2	1506.6	1483.1	1453.7	1415.6	1397.9	1377.4	1345.1	1342.1	1342.1	1342.1
17.5°	1541.9	1527.2	1474.3	1415.6	1389.1	1345.1	1321.6	1312.8	1289.3	1298.1	1304.0
20°	1577.1	1541.9	1465.5	1403.8	1312.8	1286.3	1248.2	1239.4	1227.6	1192.4	1180.6
22.5°	1606.5	1574.2	1456.7	1348.0	1271.7	1210.0	1151.3	1110.1	1089.6	1074.9	1063.1
25°	1671.1	1621.1	1465.5	1321.6	1204.1	1124.8	1072.0	998.5	948.6	942.7	948.6
27.5°	1756.2	1676.9	1486.1	1286.3	1151.3	1027.9	922.2	872.2	819.4	801.8	804.7
30°	1864.9	1759.2	1483.1	1254.0	1057.3	916.3	781.2	696.0	654.9	637.3	634.4
32.5°	2020.6	1873.7	1550.7	1212.9	972.1	760.6	613.8	508.1	487.5	484.6	481.6
35°	2173.3	2058.7	1583.0	1151.3	848.8	610.9	464.0	399.4	396.5	393.5	390.6
37.5°	2375.9	2240.8	1674.0	1113.1	731.3	461.1	373.0	326.0	317.2	302.5	308.4
40°	2284.9	2173.3	1700.4	1054.3	566.8	340.7	279.0	240.8	234.9	237.9	234.9
42.5°	1923.6	1841.4	1483.1	907.5	390.6	249.6	208.5	214.4	226.1	234.9	234.9
45°	1864.9	1703.4	1069.0	643.2	252.6	208.5	202.6	211.5	232.0	252.6	255.5
47.5°	2252.6	2047.0	936.9	496.3	290.7	237.9	217.3	217.3	229.1	232.0	229.1
50°	3192.4	2881.1	1095.5	569.8	361.2	287.8	249.6	234.9	240.8	246.7	243.8
52.5°	3870.8	3480.2	1248.2	681.4	452.3	343.6	293.7	258.4	252.6	252.6	249.6
55°	4267.3	3823.8	1427.3	839.9	566.8	414.1	340.7	299.6	284.9	273.1	273.1
57.5°	4287.8	3835.5	1615.3	995.6	707.8	516.9	405.3	349.5	337.7	311.3	305.4
60°	4143.9	3785.6	1759.2	1151.3	842.9	660.8	516.9	434.7	420.0	405.3	396.5
62.5°	4011.8	3703.4	1829.7	1280.5	986.8	822.3	657.9	543.3	496.3	514.0	525.7
65°	3841.4	3612.3	1782.7	1292.2	1051.4	919.2	760.6	593.2	514.0	552.1	572.7
67.5°	3580.0	3374.5	1665.2	1186.5	980.9	860.5	713.7	558.0	496.3	511.0	511.0
70°	3315.7	3095.5	1550.7	1104.3	884.0	757.7	619.7	499.3	490.5	481.6	481.6
72.5°	3004.4	2743.0	1400.9	1054.3	845.8	737.2	602.1	502.2	525.7	537.4	537.4
75°	2610.9	2320.1	1242.3	1010.3	828.2	751.8	605.0	540.4	581.5	587.4	587.4
77.5°	2138.0	1820.9	1057.3	931.0	778.3	722.5	563.9	531.6	572.7	581.5	584.4
80°	1471.4	1289.3	886.9	810.6	696.0	649.0	519.8	516.9	558.0	578.6	581.5
82.5°	746.0	734.2	646.1	637.3	593.2	566.8	481.6	502.2	546.3	575.6	578.6
85°	461.1	478.7	431.7	425.8	440.5	452.3	437.6	478.7	511.0	543.3	549.2
87.5°	384.7	405.3	361.2	343.6	349.5	370.0	387.7	431.7	461.1	487.5	490.5
90°	361.2	378.9	308.4	293.7	305.4	320.1	331.9	355.4	378.9	393.5	393.5
92.5°	317.2	323.1	255.5	243.8	261.4	270.2	267.3	273.1	273.1	243.8	243.8
95°	243.8	243.8	193.8	193.8	208.5	211.5	190.9	173.3	161.5	96.9	82.2
97.5°	176.2	173.3	141.0	141.0	152.7	149.8	126.3	105.7	88.1	55.8	58.7
100°	117.5	114.5	94.0	99.9	105.7	94.0	79.3	64.6	52.9	35.2	41.1
102.5°	70.5	67.5	61.7	64.6	61.7	58.7	47.0	38.2	32.3	20.6	23.5
105°	41.1	38.2	38.2	38.2	38.2	35.2	32.3	23.5	17.6	11.7	11.7
107.5°	29.4	29.4	29.4	26.4	26.4	23.5	20.6	17.6	11.7	8.8	5.9
110°	26.4	23.5	23.5	23.5	20.6	20.6	17.6	14.7	8.8	5.9	5.9

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CANDELA DISTRIBUTION (continued):

	91°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	20.6	20.6	20.6	17.6	17.6	14.7	11.7	11.7	8.8	2.9	2.9
115°	17.6	17.6	14.7	14.7	11.7	11.7	8.8	8.8	5.9	2.9	2.9
117.5°	17.6	17.6	11.7	11.7	8.8	8.8	8.8	5.9	2.9	2.9	2.9
120°	17.6	14.7	11.7	8.8	8.8	8.8	5.9	5.9	2.9	0.0	2.9
122.5°	14.7	14.7	8.8	8.8	5.9	5.9	5.9	2.9	2.9	0.0	0.0
125°	11.7	11.7	8.8	5.9	5.9	5.9	5.9	2.9	2.9	0.0	0.0
127.5°	11.7	11.7	8.8	5.9	5.9	5.9	5.9	2.9	2.9	0.0	0.0
130°	8.8	8.8	5.9	5.9	5.9	5.9	2.9	2.9	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)