

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: P690872

Luminaire Tested: **CRTK2-C01-5TLD-U-T3-7040-SR-CARETAKER**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P690872
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-C01-5TLD-U-T3-7040-SR-CARETAKER
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 4000K LED WITH TYPE III OPTIC AND SR REFRACTOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8700 lumens
Efficiency: N/A
Efficacy: 145.0 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): 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



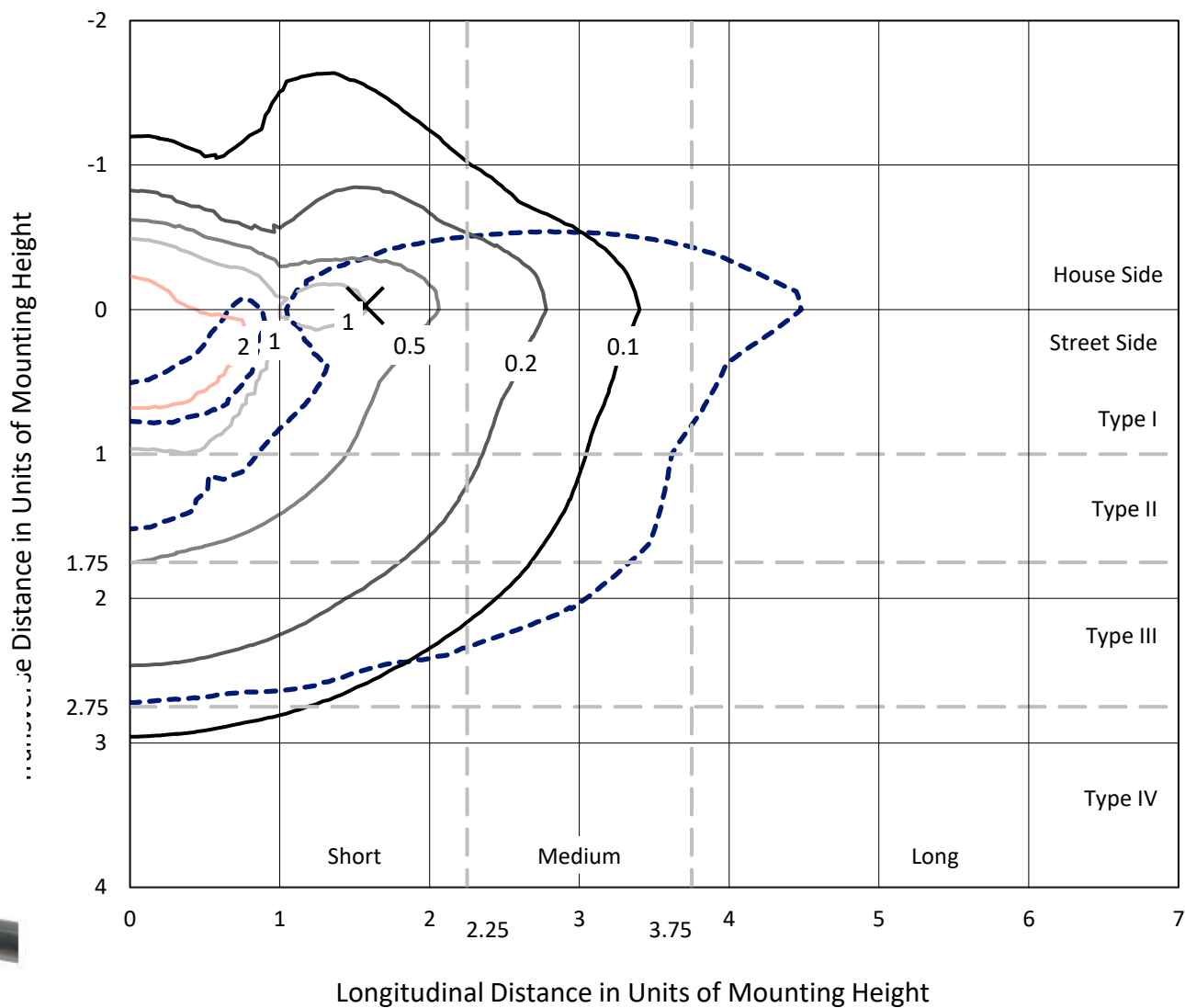
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

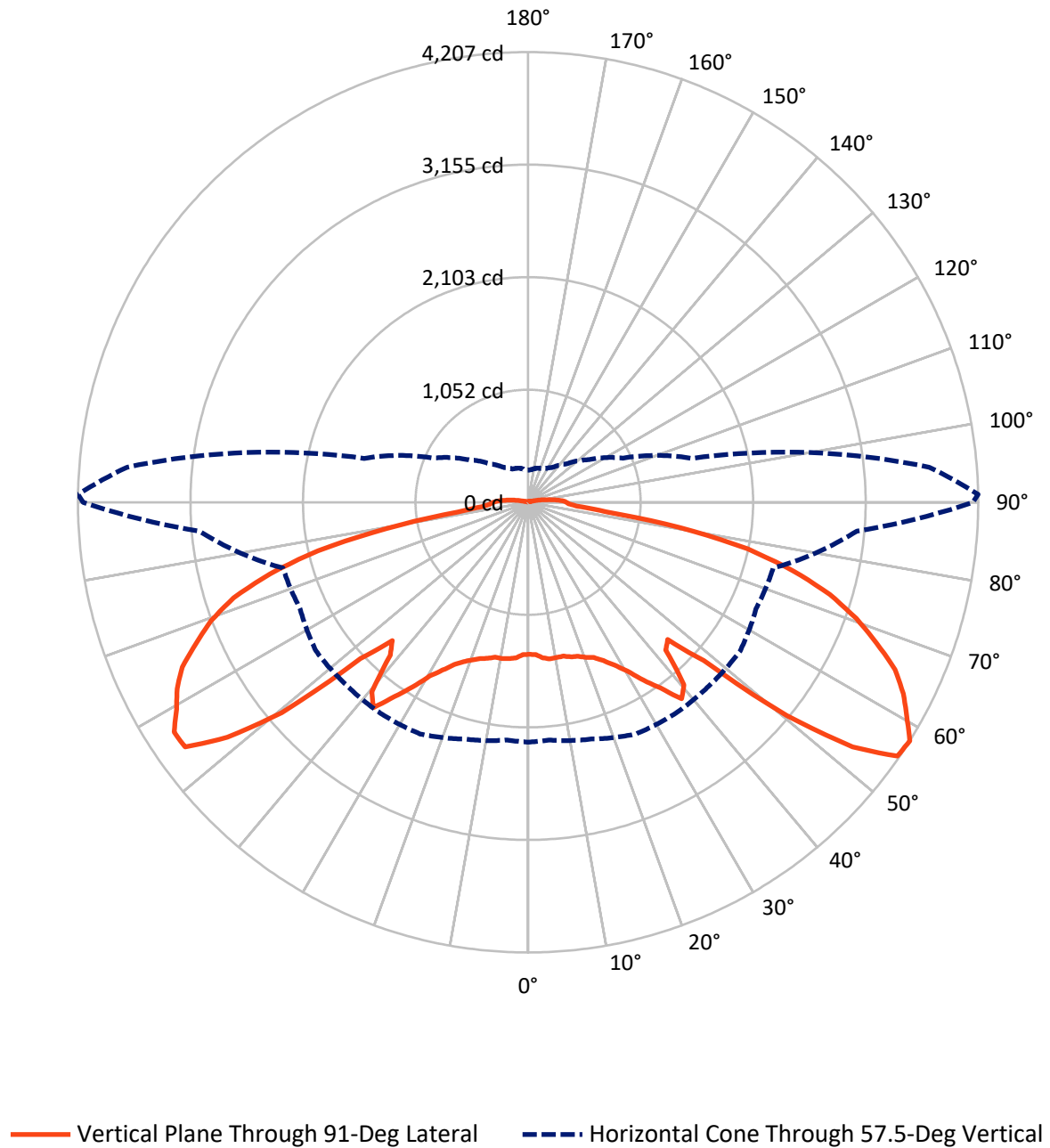


Based on 25 foot mounting height. Maximum calculated value = 2.4 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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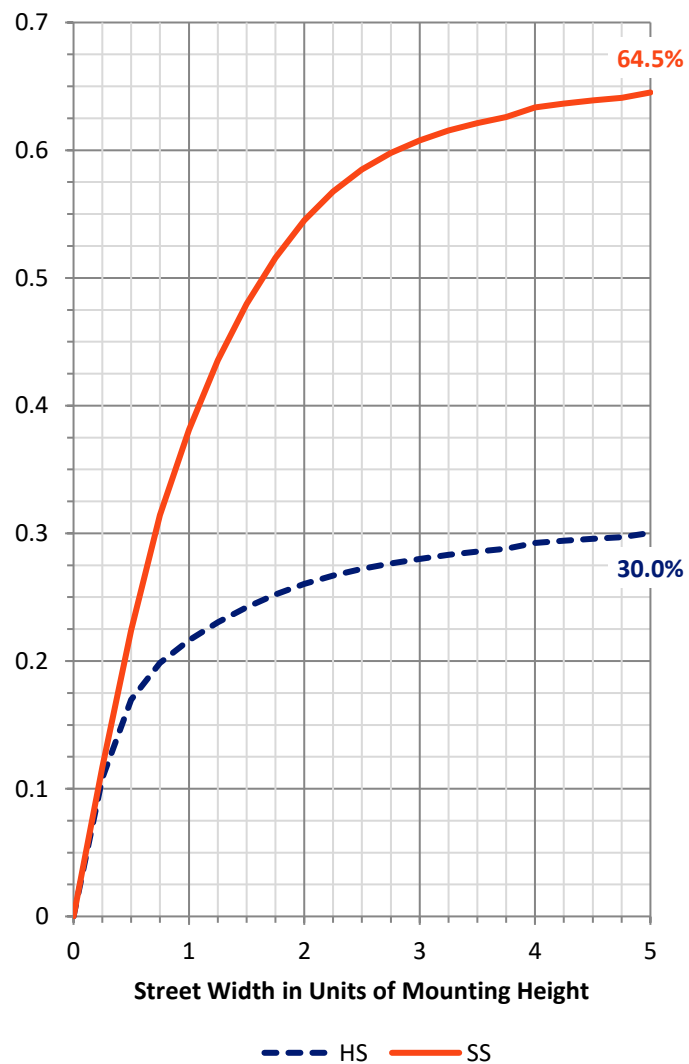
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2761.5	134.3	2895.8
	% Fixture	31.7	1.5	33.3
Street Side	Lumens	5689.3	114.9	5804.2
	% Fixture	65.4	1.3	66.7
Total	Lumens	8450.8	249.2	8700.0
	% Fixture	97.1	2.9	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	139.0	1.6
10°-20°	422.8	4.9
20°-30°	718.9	8.3
30°-40°	1011.5	11.6
40°-50°	960.6	11.0
50°-60°	1438.9	16.5
60°-70°	1862.0	21.4
70°-80°	1409.1	16.2
80°-90°	488.1	5.6
90°-100°	183.3	2.1
100°-110°	42.9	0.5
110°-120°	14.8	0.2
120°-130°	7.5	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°	8450.8	97.1
0°-180°	8700.0	100.0

Coefficient of Utilization



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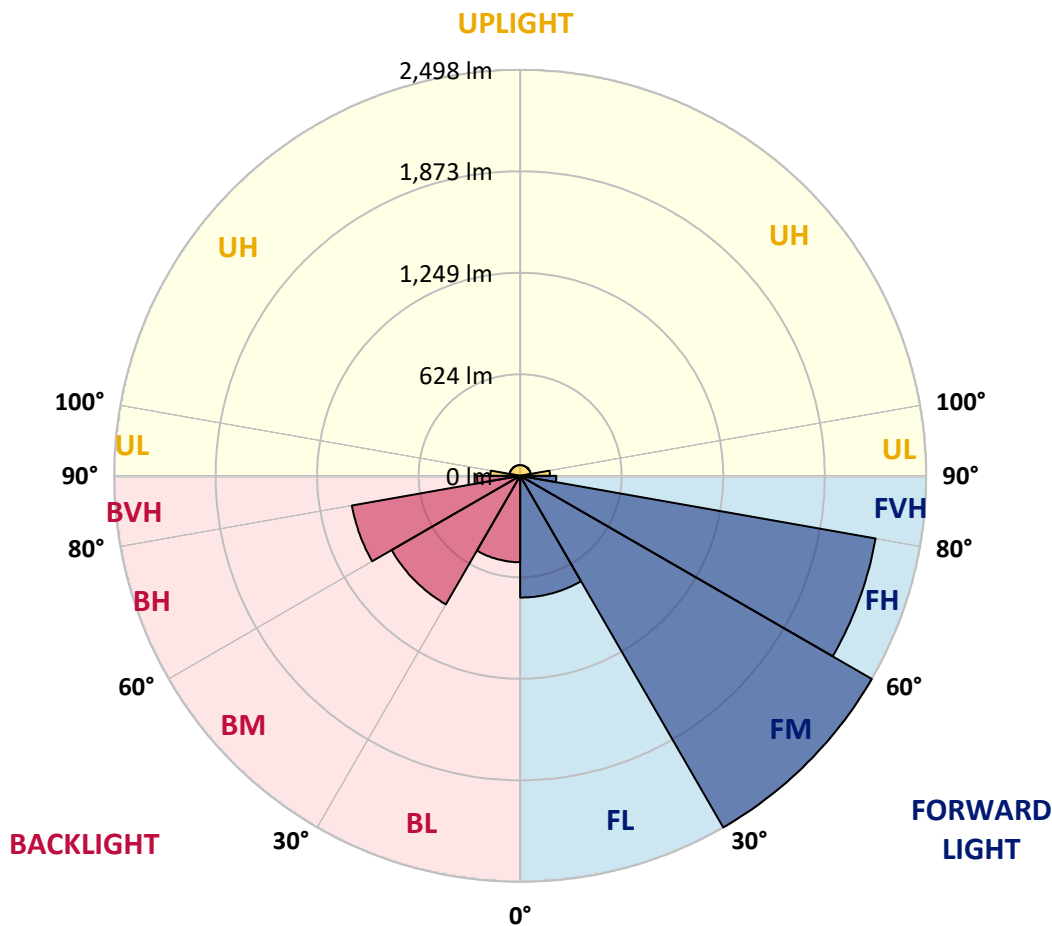
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	749.0	8.6			
FM	(30°-60°)	2497.6	28.7			
FH	(60°-80°)	2220.1	25.5			G2/5000
FVH	(80°-90°)	222.6	2.6			G2/225
BL	(0°-30°)	531.6	6.1	B2/1000		
BM	(30°-60°)	913.4	10.5	B1/1000		
BH	(60°-80°)	1051.0	12.1	B3/2500		G3/2500
BVH	(80°-90°)	265.6	3.1			G3/500
UL	(90°-100°)	183.3	2.1		U3/500	
UH	(100°-180°)	65.9	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°	1420.4	1420.4	1420.4	1420.4	1420.4	1420.4	1420.4	1420.4	1420.4	1420.4	1420.4
2.5°	1394.5	1394.5	1394.5	1397.4	1406.0	1411.8	1414.7	1411.8	1414.7	1420.4	1426.2
5°	1434.9	1432.0	1429.1	1423.3	1420.4	1420.4	1423.3	1423.3	1429.1	1449.3	1460.8
7.5°	1472.3	1466.5	1463.7	1463.7	1460.8	1446.4	1443.5	1434.9	1432.0	1457.9	1475.2
10°	1541.5	1535.7	1518.4	1498.2	1492.5	1475.2	1449.3	1443.5	1446.4	1475.2	1481.0
12.5°	1604.8	1602.0	1590.4	1570.3	1541.5	1524.2	1486.7	1469.4	1472.3	1489.6	1478.1
15°	1711.4	1699.9	1665.3	1648.1	1619.2	1587.6	1538.6	1518.4	1524.2	1509.8	1504.0
17.5°	1774.8	1766.2	1766.2	1734.5	1714.3	1659.6	1613.5	1576.0	1590.4	1553.0	1521.3
20°	1832.5	1832.5	1835.3	1841.1	1803.6	1760.4	1697.0	1650.9	1653.8	1599.1	1553.0
22.5°	1921.8	1913.1	1921.8	1930.4	1904.5	1867.0	1789.2	1743.1	1723.0	1653.8	1593.3
25°	2014.0	2008.2	2008.2	2031.3	2039.9	1982.3	1910.3	1861.3	1832.5	1731.6	1650.9
27.5°	2106.2	2109.1	2117.7	2126.3	2140.8	2111.9	2039.9	2002.5	1965.0	1823.8	1743.1
30°	2181.1	2175.3	2212.8	2233.0	2247.4	2258.9	2178.2	2137.9	2097.5	1941.9	1846.9
32.5°	2264.6	2264.6	2299.2	2336.7	2356.8	2379.9	2313.6	2287.7	2244.5	2083.1	2019.7
35°	2333.8	2333.8	2385.7	2449.0	2486.5	2503.8	2469.2	2466.3	2457.7	2276.2	2184.0
37.5°	2100.4	2129.2	2209.9	2336.7	2480.7	2596.0	2604.6	2662.3	2691.1	2495.1	2377.0
40°	1832.5	1841.1	1936.2	2048.6	2184.0	2328.0	2466.3	2636.3	2616.2	2379.9	2276.2
42.5°	1650.9	1674.0	1795.0	1881.4	1970.8	2060.1	2060.1	2054.3	1910.3	1953.5	1913.1
45°	1633.7	1639.4	1740.3	1869.9	1904.5	1780.6	1607.7	1512.6	1524.2	1734.5	1829.6
47.5°	1812.3	1820.9	1924.7	2048.6	1924.7	1705.7	1535.7	1521.3	1512.6	1884.3	2207.0
50°	1907.4	1913.1	2011.1	2074.5	1881.4	1878.6	1881.4	1829.6	1783.5	2472.1	3166.5
52.5°	1965.0	1970.8	1965.0	2045.7	1979.4	2132.1	2080.2	1993.8	1959.2	2863.9	3739.8
55°	1812.3	1849.7	2005.3	2218.5	2224.3	2276.2	2256.0	2178.2	2175.3	3010.9	4169.1
57.5°	2241.6	2230.1	2290.6	2388.5	2405.8	2408.7	2420.2	2351.1	2371.2	3085.8	4157.6
60°	2538.4	2506.7	2443.3	2489.4	2509.5	2541.2	2581.6	2503.8	2526.8	3152.1	3976.1
62.5°	2817.8	2768.9	2524.0	2515.3	2547.0	2610.4	2668.0	2607.5	2627.7	3175.1	3849.3
65°	2777.5	2734.3	2549.9	2449.0	2495.1	2581.6	2662.3	2633.4	2627.7	3126.1	3693.7
67.5°	2394.3	2397.2	2377.0	2377.0	2359.7	2483.6	2613.3	2616.2	2587.3	3002.2	3460.4
70°	2057.2	2045.7	2077.4	2198.4	2215.7	2362.6	2535.5	2564.3	2526.8	2863.9	3235.6
72.5°	1751.8	1743.1	1748.9	1849.7	1993.8	2155.2	2351.1	2420.2	2365.5	2616.2	2961.9
75°	1449.3	1440.6	1437.7	1472.3	1587.6	1789.2	2014.0	2137.9	2091.8	2256.0	2561.4
77.5°	1100.6	1083.3	1083.3	1094.9	1181.3	1362.8	1578.9	1751.8	1728.7	1818.1	2065.8
80°	731.8	734.7	729.0	726.1	783.7	890.3	1048.8	1256.2	1244.7	1244.7	1371.5
82.5°	463.9	463.9	472.5	443.7	437.9	449.5	486.9	570.5	576.2	631.0	674.2
85°	296.8	299.6	299.6	270.8	262.2	270.8	296.8	322.7	334.2	389.0	437.9
87.5°	216.1	216.1	210.3	204.6	207.4	216.1	236.3	259.3	279.5	322.7	365.9
90°	164.2	164.2	161.3	158.5	164.2	175.8	201.7	227.6	253.5	302.5	342.9
92.5°	135.4	135.4	132.5	132.5	135.4	144.1	167.1	195.9	221.9	262.2	299.6
95°	112.4	115.2	112.4	115.2	118.1	123.9	138.3	161.3	178.6	204.6	230.5
97.5°	89.3	92.2	92.2	92.2	95.1	103.7	112.4	126.8	138.3	149.8	167.1
100°	66.3	69.1	69.1	69.1	72.0	80.7	89.3	95.1	98.0	100.8	109.5
102.5°	49.0	51.9	51.9	51.9	51.9	57.6	60.5	63.4	63.4	63.4	66.3
105°	34.6	34.6	34.6	34.6	34.6	34.6	37.5	37.5	37.5	37.5	37.5
107.5°	25.9	25.9	25.9	25.9	25.9	25.9	28.8	28.8	28.8	28.8	28.8
110°	23.0	23.0	23.0	23.0	23.0	23.0	23.0	25.9	23.0	23.0	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	20.2	20.2	20.2
115°	17.3	17.3	17.3	17.3	17.3	17.3	20.2	20.2	17.3	17.3	17.3
117.5°	14.4	14.4	14.4	14.4	14.4	14.4	17.3	17.3	14.4	17.3	17.3
120°	14.4	17.3	14.4	14.4	14.4	14.4	14.4	14.4	14.4	14.4	17.3
122.5°	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5	14.4	14.4
125°	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5
127.5°	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	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):

	91°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1420.4	1420.4	1420.4	1420.4	1420.4	1420.4	1420.4	1420.4	1420.4	1420.4	1420.4
2.5°	1426.2	1432.0	1443.5	1455.0	1466.5	1478.1	1483.8	1486.7	1489.6	1483.8	1486.7
5°	1460.8	1466.5	1483.8	1501.1	1498.2	1489.6	1478.1	1478.1	1481.0	1481.0	1486.7
7.5°	1478.1	1486.7	1481.0	1483.8	1489.6	1481.0	1469.4	1455.0	1437.7	1437.7	1440.6
10°	1475.2	1466.5	1475.2	1466.5	1446.4	1443.5	1437.7	1417.6	1406.0	1408.9	1408.9
12.5°	1475.2	1472.3	1455.0	1446.4	1429.1	1397.4	1383.0	1388.8	1374.3	1377.2	1371.5
15°	1498.2	1478.1	1455.0	1426.2	1388.8	1371.5	1351.3	1319.6	1316.7	1316.7	1316.7
17.5°	1512.6	1498.2	1446.4	1388.8	1362.8	1319.6	1296.6	1287.9	1264.9	1273.5	1279.3
20°	1547.2	1512.6	1437.7	1377.2	1287.9	1262.0	1224.5	1215.9	1204.4	1169.8	1158.3
22.5°	1576.0	1544.3	1429.1	1322.5	1247.6	1187.1	1129.4	1089.1	1068.9	1054.5	1043.0
25°	1639.4	1590.4	1437.7	1296.6	1181.3	1103.5	1051.6	979.6	930.6	924.9	930.6
27.5°	1723.0	1645.2	1457.9	1262.0	1129.4	1008.4	904.7	855.7	803.9	786.6	789.5
30°	1829.6	1725.9	1455.0	1230.3	1037.2	898.9	766.4	682.9	642.5	625.2	622.3
32.5°	1982.3	1838.2	1521.3	1189.9	953.7	746.2	602.2	498.5	478.3	475.4	472.5
35°	2132.1	2019.7	1553.0	1129.4	832.7	599.3	455.2	391.8	389.0	386.1	383.2
37.5°	2330.9	2198.4	1642.3	1092.0	717.4	452.4	365.9	319.8	311.2	296.8	302.5
40°	2241.6	2132.1	1668.2	1034.4	556.1	334.2	273.7	236.3	230.5	233.4	230.5
42.5°	1887.2	1806.5	1455.0	890.3	383.2	244.9	204.6	210.3	221.9	230.5	230.5
45°	1829.6	1671.1	1048.8	631.0	247.8	204.6	198.8	207.4	227.6	247.8	250.7
47.5°	2209.9	2008.2	919.1	486.9	285.2	233.4	213.2	213.2	224.7	227.6	224.7
50°	3131.9	2826.5	1074.7	559.0	354.4	282.4	244.9	230.5	236.3	242.0	239.1
52.5°	3797.5	3414.3	1224.5	668.4	443.7	337.1	288.1	253.5	247.8	247.8	244.9
55°	4186.4	3751.4	1400.3	824.0	556.1	406.3	334.2	293.9	279.5	268.0	268.0
57.5°	4206.6	3762.9	1584.7	976.7	694.4	507.1	397.6	342.9	331.3	305.4	299.6
60°	4065.4	3713.9	1725.9	1129.4	826.9	648.3	507.1	426.4	412.0	397.6	389.0
62.5°	3935.8	3633.2	1795.0	1256.2	968.1	806.7	645.4	533.0	486.9	504.2	515.7
65°	3768.6	3543.9	1748.9	1267.7	1031.5	901.8	746.2	582.0	504.2	541.7	561.8
67.5°	3512.2	3310.5	1633.7	1164.0	962.3	844.2	700.1	547.4	486.9	501.3	501.3
70°	3252.9	3036.8	1521.3	1083.3	867.2	743.4	607.9	489.8	481.2	472.5	472.5
72.5°	2947.5	2691.1	1374.3	1034.4	829.8	723.2	590.7	492.7	515.7	527.3	527.3
75°	2561.4	2276.2	1218.8	991.1	812.5	737.6	593.5	530.1	570.5	576.2	576.2
77.5°	2097.5	1786.4	1037.2	913.3	763.5	708.8	553.2	521.5	561.8	570.5	573.4
80°	1443.5	1264.9	870.1	795.2	682.9	636.8	510.0	507.1	547.4	567.6	570.5
82.5°	731.8	720.3	633.9	625.2	582.0	556.1	472.5	492.7	535.9	564.7	567.6
85°	452.4	469.6	423.5	417.8	432.2	443.7	429.3	469.6	501.3	533.0	538.8
87.5°	377.4	397.6	354.4	337.1	342.9	363.0	380.3	423.5	452.4	478.3	481.2
90°	354.4	371.7	302.5	288.1	299.6	314.1	325.6	348.6	371.7	386.1	386.1
92.5°	311.2	316.9	250.7	239.1	256.4	265.1	262.2	268.0	268.0	239.1	239.1
95°	239.1	239.1	190.2	190.2	204.6	207.4	187.3	170.0	158.5	95.1	80.7
97.5°	172.9	170.0	138.3	138.3	149.8	146.9	123.9	103.7	86.4	54.7	57.6
100°	115.2	112.4	92.2	98.0	103.7	92.2	77.8	63.4	51.9	34.6	40.3
102.5°	69.1	66.3	60.5	63.4	60.5	57.6	46.1	37.5	31.7	20.2	23.0
105°	40.3	37.5	37.5	37.5	37.5	34.6	31.7	23.0	17.3	11.5	11.5
107.5°	28.8	28.8	28.8	25.9	25.9	23.0	20.2	17.3	11.5	8.6	5.8
110°	25.9	23.0	23.0	23.0	20.2	20.2	17.3	14.4	8.6	5.8	5.8

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CANDELA DISTRIBUTION (continued):

	91°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	20.2	20.2	20.2	17.3	17.3	14.4	11.5	11.5	8.6	2.9	2.9
115°	17.3	17.3	14.4	14.4	11.5	11.5	8.6	8.6	5.8	2.9	2.9
117.5°	17.3	17.3	11.5	11.5	8.6	8.6	8.6	5.8	2.9	2.9	2.9
120°	17.3	14.4	11.5	8.6	8.6	8.6	5.8	5.8	2.9	0.0	2.9
122.5°	14.4	14.4	8.6	8.6	5.8	5.8	5.8	2.9	2.9	0.0	0.0
125°	11.5	11.5	8.6	5.8	5.8	5.8	5.8	2.9	2.9	0.0	0.0
127.5°	11.5	11.5	8.6	5.8	5.8	5.8	5.8	2.9	2.9	0.0	0.0
130°	8.6	8.6	5.8	5.8	5.8	5.8	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)