

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: P691575

Luminaire Tested: **CRTK2-C018-5TLD-U-T2-7040-SR-CARETAKER-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691575
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-6)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C018-5TLD-U-T2-7040-SR-CARETAKER-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 4000K LED WITH TYPE II OPTIC AND SR REFRACTOR WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6644 lumens
Efficiency: N/A
Efficacy: 123.7 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.29')
IES Classification: Type III - Short
BUG Rating: B2 - U3 - G2

Input Watts (W): 53.7
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

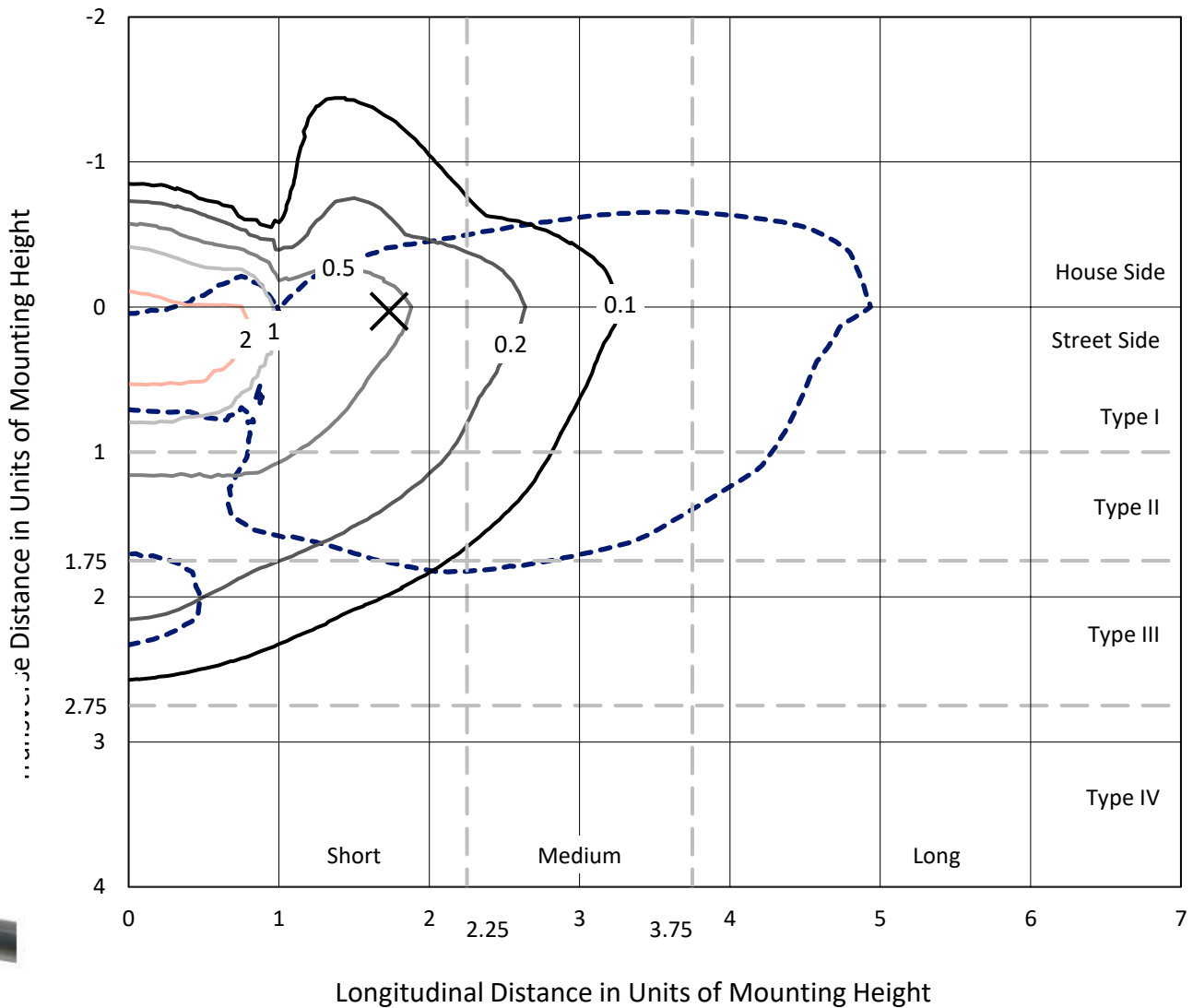


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

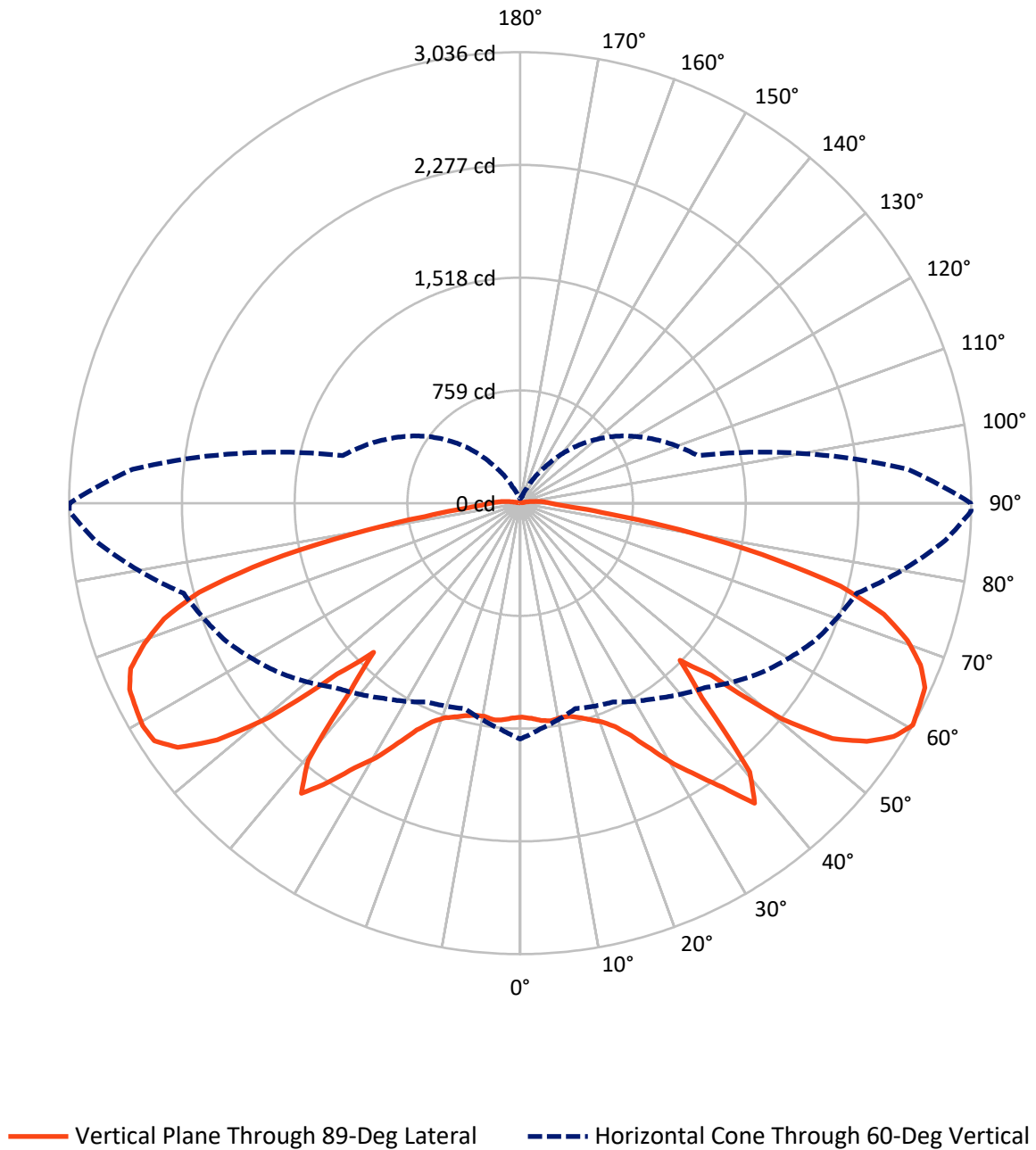


Based on 25 foot mounting height. Maximum calculated value = 2.6 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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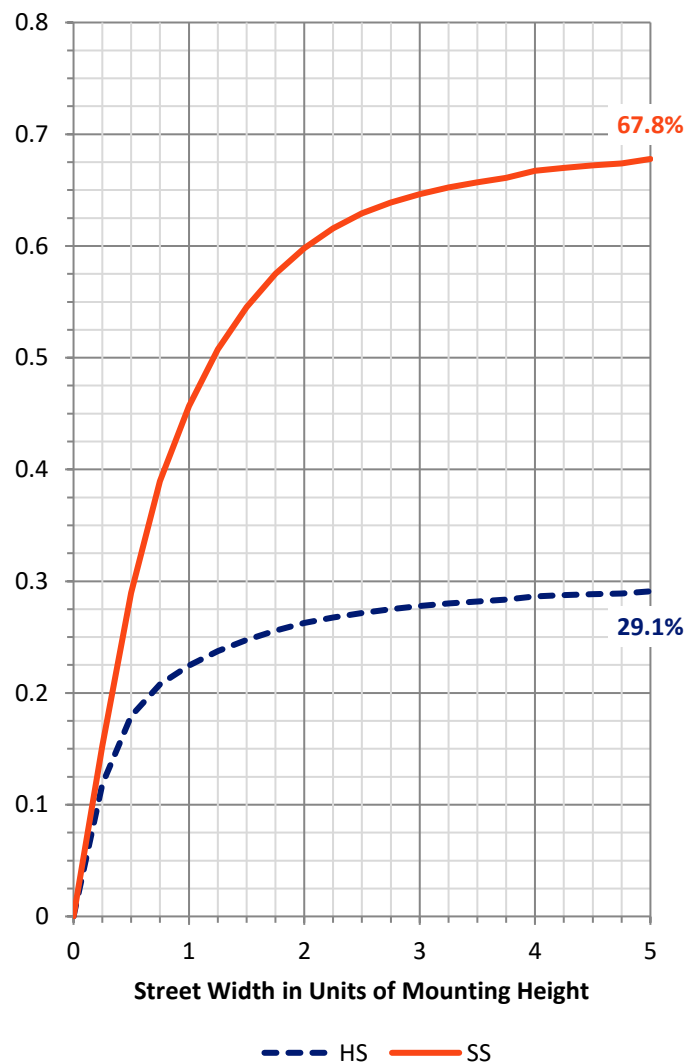
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1972.4	37.0	2009.4
	% Fixture	29.7	0.6	30.2
Street Side	Lumens	4563.2	71.4	4634.6
	% Fixture	68.7	1.1	69.8
Total	Lumens	6535.6	108.4	6644.0
	% Fixture	98.4	1.6	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	138.5	2.1
10°-20°	408.6	6.2
20°-30°	674.5	10.2
30°-40°	915.0	13.8
40°-50°	762.1	11.5
50°-60°	1055.4	15.9
60°-70°	1300.9	19.6
70°-80°	985.0	14.8
80°-90°	295.6	4.4
90°-100°	76.6	1.2
100°-110°	17.5	0.3
110°-120°	8.2	0.1
120°-130°	5.6	0.1
130°-140°	0.6	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°	6535.6	98.4
0°-180°	6644.0	100.0

Coefficient of Utilization



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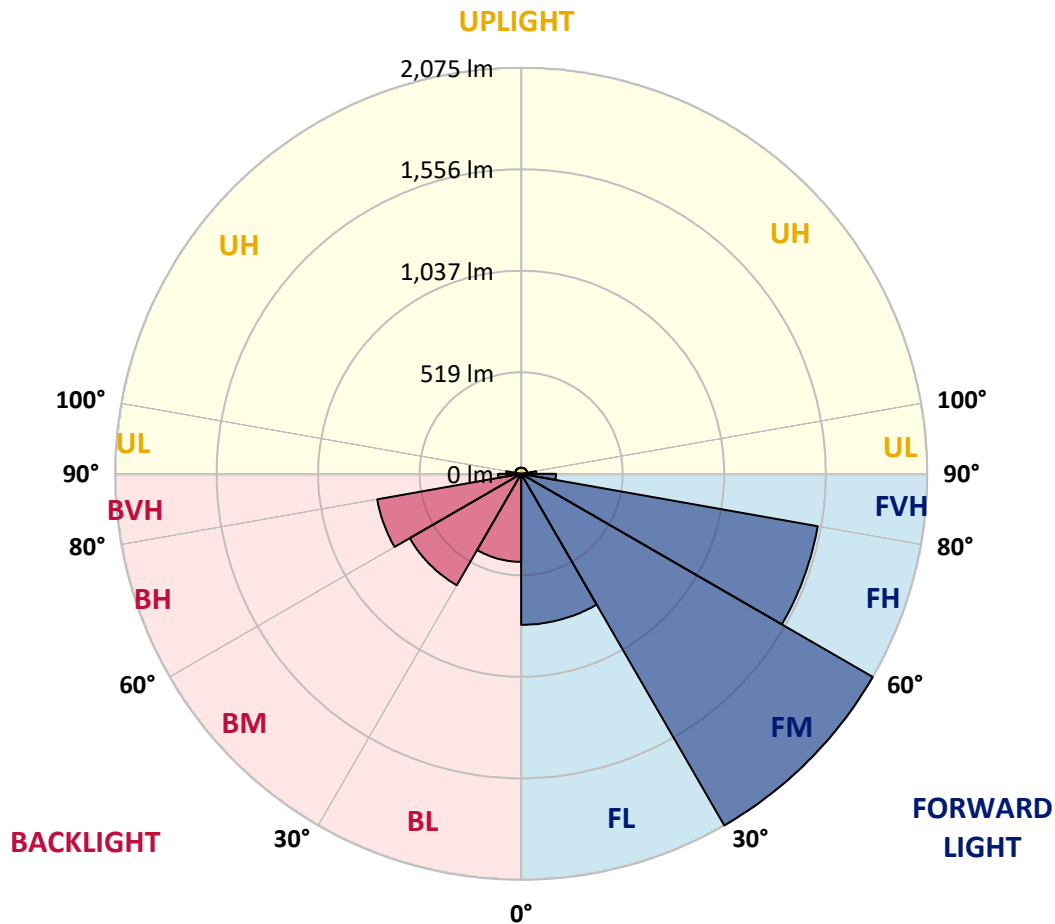
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	771.7	11.6			
FM	(30°-60°)	2075.0	31.2			
FH	(60°-80°)	1538.8	23.2			G1/1800
FVH	(80°-90°)	177.7	2.7			G2/225
BL	(0°-30°)	449.9	6.8	B1/500		
BM	(30°-60°)	657.6	9.9	B1/1000		
BH	(60°-80°)	747.1	11.2	B2/1000		G2/1000
BVH	(80°-90°)	117.8	1.8			G2/225
UL	(90°-100°)	76.6	1.2		U3/500	
UH	(100°-180°)	31.8	0.5		U2/50	

BUG Rating: B2-U3-G2

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	89°
0°	1440.0	1440.0	1440.0	1440.0	1440.0	1440.0	1440.0	1440.0	1440.0	1440.0	1440.0
2.5°	1511.2	1503.3	1503.3	1503.3	1487.5	1487.5	1476.9	1471.7	1461.1	1453.2	1450.6
5°	1598.3	1593.0	1593.0	1590.3	1574.5	1564.0	1542.9	1524.4	1508.6	1482.2	1469.0
7.5°	1666.8	1658.9	1658.9	1656.3	1640.5	1627.3	1603.5	1561.3	1529.7	1500.7	1479.6
10°	1690.6	1687.9	1685.3	1677.4	1664.2	1653.6	1632.5	1593.0	1542.9	1495.4	1469.0
12.5°	1735.4	1735.4	1727.5	1716.9	1706.4	1695.8	1666.8	1635.2	1579.8	1506.0	1471.7
15°	1793.4	1788.2	1782.9	1777.6	1769.7	1753.9	1727.5	1687.9	1624.6	1535.0	1498.0
17.5°	1817.2	1814.5	1814.5	1817.2	1814.5	1804.0	1798.7	1753.9	1687.9	1574.5	1532.3
20°	1822.4	1825.1	1830.4	1848.8	1854.1	1848.8	1856.7	1830.4	1753.9	1627.3	1571.9
22.5°	1854.1	1859.4	1869.9	1888.4	1896.3	1904.2	1912.1	1933.2	1856.7	1709.0	1632.5
25°	1840.9	1846.2	1877.8	1906.8	1935.8	1959.6	2009.7	2057.2	2001.8	1830.4	1732.8
27.5°	1806.6	1817.2	1872.6	1930.6	2001.8	2065.1	2157.4	2215.4	2170.6	1983.3	1872.6
30°	1835.6	1835.6	1872.6	1956.9	2049.3	2191.7	2313.0	2378.9	2347.3	2131.0	2036.1
32.5°	1775.0	1790.8	1867.3	1993.9	2136.3	2318.3	2437.0	2553.0	2563.5	2328.8	2181.1
35°	1587.7	1614.1	1677.4	1846.2	2065.1	2381.6	2589.9	2745.5	2795.6	2566.2	2349.9
37.5°	1308.1	1326.6	1437.4	1606.2	1867.3	2170.6	2505.5	2858.9	2998.7	2719.2	2563.5
40°	1157.8	1171.0	1236.9	1376.7	1616.7	1909.5	2173.2	2513.4	2589.9	2481.8	2378.9
42.5°	1107.7	1128.8	1210.6	1339.8	1535.0	1740.7	1782.9	1909.5	1869.9	1883.1	1793.4
45°	1176.3	1184.2	1244.9	1358.3	1476.9	1532.3	1476.9	1564.0	1606.2	1598.3	1508.6
47.5°	1210.6	1223.8	1289.7	1434.7	1434.7	1437.4	1506.0	1558.7	1680.0	1793.4	1730.1
50°	1039.1	1057.6	1178.9	1295.0	1313.4	1532.3	1711.7	1814.5	1941.1	2244.4	2281.3
52.5°	978.5	991.7	1123.5	1355.6	1490.1	1714.3	1825.1	1920.0	2028.2	2529.3	2632.1
55°	1070.8	1094.5	1250.1	1490.1	1637.8	1772.3	1914.7	2051.9	2167.9	2753.4	2829.9
57.5°	1236.9	1281.8	1376.7	1511.2	1651.0	1772.3	1962.2	2131.0	2284.0	2840.5	2964.4
60°	1587.7	1527.1	1432.1	1476.9	1603.5	1756.5	1986.0	2189.0	2344.6	2872.1	3035.6
62.5°	1751.2	1706.4	1474.3	1413.6	1524.4	1701.1	1941.1	2189.0	2323.5	2811.5	3014.5
65°	1693.2	1656.3	1490.1	1339.8	1426.8	1624.6	1872.6	2157.4	2276.1	2735.0	2993.4
67.5°	1442.7	1405.7	1353.0	1297.6	1334.5	1548.2	1809.3	2099.4	2223.3	2671.7	2906.4
70°	1173.6	1152.5	1134.1	1176.3	1244.9	1432.1	1682.7	1970.1	2117.8	2518.7	2764.0
72.5°	999.6	986.4	954.7	996.9	1105.1	1276.5	1492.8	1780.2	1956.9	2260.2	2560.9
75°	849.2	841.3	830.8	851.9	920.5	1081.3	1252.8	1535.0	1748.6	1972.8	2226.0
77.5°	688.4	677.8	701.5	706.8	759.6	875.6	986.4	1221.1	1458.5	1548.2	1661.6
80°	501.1	511.7	551.2	535.4	575.0	614.5	693.6	796.5	983.7	1084.0	1091.9
82.5°	350.8	361.3	398.2	358.7	369.2	371.9	400.9	437.8	514.3	598.7	609.2
85°	247.9	253.2	261.1	232.1	232.1	232.1	250.6	271.7	311.2	345.5	353.4
87.5°	176.7	176.7	187.3	176.7	174.1	171.4	182.0	189.9	213.6	237.4	242.6
90°	131.9	131.9	137.1	131.9	131.9	131.9	142.4	150.3	171.4	192.5	195.2
92.5°	94.9	94.9	102.9	100.2	100.2	102.9	113.4	118.7	137.1	158.2	160.9
95°	73.8	73.8	79.1	76.5	76.5	81.8	89.7	94.9	108.1	118.7	121.3
97.5°	52.7	52.7	55.4	55.4	55.4	55.4	60.7	68.6	84.4	84.4	81.8
100°	36.9	36.9	39.6	36.9	36.9	39.6	39.6	44.8	52.7	50.1	50.1
102.5°	26.4	26.4	26.4	26.4	26.4	23.7	23.7	26.4	29.0	26.4	26.4
105°	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	15.8
107.5°	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	13.2	13.2
110°	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.2	10.5

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	89°
112.5°	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.2	10.5	10.5
115°	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.2	10.5	10.5
117.5°	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5
120°	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5
122.5°	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5
125°	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	10.5	10.5	7.9
127.5°	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9
130°	7.9	5.3	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	5.3
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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1440.0	1440.0	1440.0	1440.0	1440.0	1440.0	1440.0	1440.0	1440.0	1440.0	1440.0
2.5°	1447.9	1442.7	1426.8	1408.4	1392.5	1379.4	1366.2	1355.6	1353.0	1347.7	1353.0
5°	1466.4	1447.9	1411.0	1387.3	1366.2	1345.1	1324.0	1313.4	1305.5	1300.2	1300.2
7.5°	1474.3	1447.9	1405.7	1374.1	1329.2	1284.4	1258.0	1236.9	1229.0	1236.9	1236.9
10°	1461.1	1429.5	1379.4	1331.9	1271.2	1234.3	1197.4	1178.9	1168.4	1168.4	1160.5
12.5°	1466.4	1429.5	1355.6	1284.4	1234.3	1168.4	1123.5	1102.4	1086.6	1091.9	1091.9
15°	1487.5	1437.4	1334.5	1263.3	1176.3	1123.5	1068.1	1055.0	1052.3	1044.4	1039.1
17.5°	1519.1	1445.3	1329.2	1215.8	1126.2	1062.9	1010.1	986.4	973.2	965.3	962.6
20°	1553.4	1455.8	1313.4	1171.0	1073.4	991.7	928.4	896.7	886.2	886.2	880.9
22.5°	1611.4	1492.8	1300.2	1149.9	1002.2	920.5	857.2	812.3	791.2	788.6	785.9
25°	1706.4	1564.0	1313.4	1102.4	960.0	838.7	767.5	727.9	704.2	696.3	696.3
27.5°	1851.5	1661.6	1331.9	1076.1	873.0	762.2	683.1	622.4	588.1	590.8	593.4
30°	2007.1	1806.6	1384.6	1033.9	817.6	654.1	559.1	511.7	480.0	469.5	464.2
32.5°	2133.7	1956.9	1461.1	999.6	714.7	522.2	440.4	406.2	371.9	342.9	332.3
35°	2328.8	2083.5	1527.1	949.5	630.3	427.3	356.0	303.3	274.3	261.1	255.8
37.5°	2505.5	2207.5	1577.2	938.9	511.7	366.6	282.2	226.8	197.8	195.2	195.2
40°	2291.9	2051.9	1540.2	854.5	403.5	284.8	203.1	160.9	139.8	129.2	129.2
42.5°	1753.9	1571.9	1173.6	712.1	290.1	192.5	129.2	121.3	118.7	108.1	108.1
45°	1469.0	1160.5	712.1	371.9	137.1	105.5	92.3	92.3	94.9	102.9	102.9
47.5°	1764.4	1371.4	524.8	266.4	134.5	92.3	81.8	73.8	68.6	65.9	65.9
50°	2284.0	1951.7	669.9	316.5	160.9	94.9	73.8	65.9	63.3	60.7	55.4
52.5°	2663.8	2286.6	883.5	482.6	258.5	121.3	73.8	55.4	42.2	36.9	34.3
55°	2893.2	2579.4	1041.8	693.6	419.3	203.1	92.3	50.1	36.9	31.6	29.0
57.5°	3017.2	2613.7	1173.6	883.5	617.2	361.3	160.9	60.7	36.9	29.0	29.0
60°	3033.0	2618.9	1236.9	1010.1	785.9	548.6	305.9	118.7	47.5	34.3	31.6
62.5°	3019.8	2574.1	1252.8	1060.2	888.8	701.5	482.6	234.7	73.8	39.6	36.9
65°	2996.1	2576.7	1181.6	1015.4	888.8	751.7	559.1	308.6	105.5	44.8	42.2
67.5°	2917.0	2568.8	1142.0	917.8	804.4	672.5	501.1	287.5	121.3	55.4	52.7
70°	2756.1	2473.9	1118.3	878.3	754.3	598.7	422.0	229.5	137.1	94.9	102.9
72.5°	2574.1	2302.4	1094.5	844.0	735.8	596.1	424.6	247.9	184.6	155.6	166.2
75°	2302.4	2004.4	1052.3	809.7	725.3	614.5	429.9	234.7	174.1	139.8	137.1
77.5°	1772.3	1666.8	960.0	725.3	659.3	567.0	366.6	179.3	129.2	97.6	94.9
80°	1157.8	1144.6	749.0	585.5	556.5	501.1	305.9	139.8	102.9	79.1	73.8
82.5°	654.1	627.7	466.8	369.2	393.0	406.2	247.9	105.5	79.1	63.3	58.0
85°	371.9	377.1	271.7	200.4	203.1	240.0	160.9	73.8	50.1	36.9	34.3
87.5°	255.8	263.7	176.7	134.5	121.3	113.4	84.4	44.8	29.0	18.5	13.2
90°	208.4	208.4	131.9	97.6	84.4	73.8	47.5	26.4	21.1	10.5	7.9
92.5°	168.8	176.7	110.8	79.1	65.9	58.0	36.9	18.5	13.2	7.9	5.3
95°	126.6	134.5	89.7	65.9	52.7	44.8	31.6	15.8	10.5	5.3	5.3
97.5°	87.0	87.0	63.3	50.1	42.2	34.3	23.7	13.2	7.9	5.3	5.3
100°	50.1	52.7	36.9	31.6	29.0	26.4	15.8	10.5	5.3	2.6	2.6
102.5°	26.4	26.4	18.5	18.5	15.8	15.8	13.2	7.9	5.3	2.6	2.6
105°	15.8	15.8	13.2	13.2	10.5	10.5	7.9	5.3	2.6	0.0	2.6
107.5°	13.2	13.2	10.5	10.5	7.9	7.9	5.3	5.3	2.6	0.0	0.0
110°	10.5	10.5	7.9	7.9	7.9	5.3	5.3	2.6	2.6	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	10.5	10.5	7.9	7.9	5.3	5.3	5.3	2.6	2.6	0.0	0.0
115°	10.5	7.9	7.9	5.3	5.3	5.3	2.6	2.6	0.0	0.0	0.0
117.5°	10.5	7.9	5.3	5.3	5.3	2.6	2.6	2.6	0.0	0.0	0.0
120°	10.5	7.9	5.3	5.3	5.3	5.3	2.6	2.6	0.0	0.0	0.0
122.5°	10.5	7.9	5.3	5.3	5.3	2.6	2.6	2.6	0.0	0.0	0.0
125°	7.9	7.9	5.3	5.3	2.6	2.6	2.6	2.6	0.0	0.0	0.0
127.5°	7.9	7.9	5.3	5.3	2.6	2.6	2.6	2.6	0.0	0.0	0.0
130°	7.9	7.9	5.3	5.3	2.6	2.6	2.6	2.6	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)