

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: P691868

Luminaire Tested: **CRTK2-C01H-D-U-T2-8027-SR-CARETAKER**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691868
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-T2-8027-SR-CARETAKER
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 2700K LED WITH TYPE II OPTIC AND SR REFRACTOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8423 lumens
Efficiency: N/A
Efficacy: 120.0 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

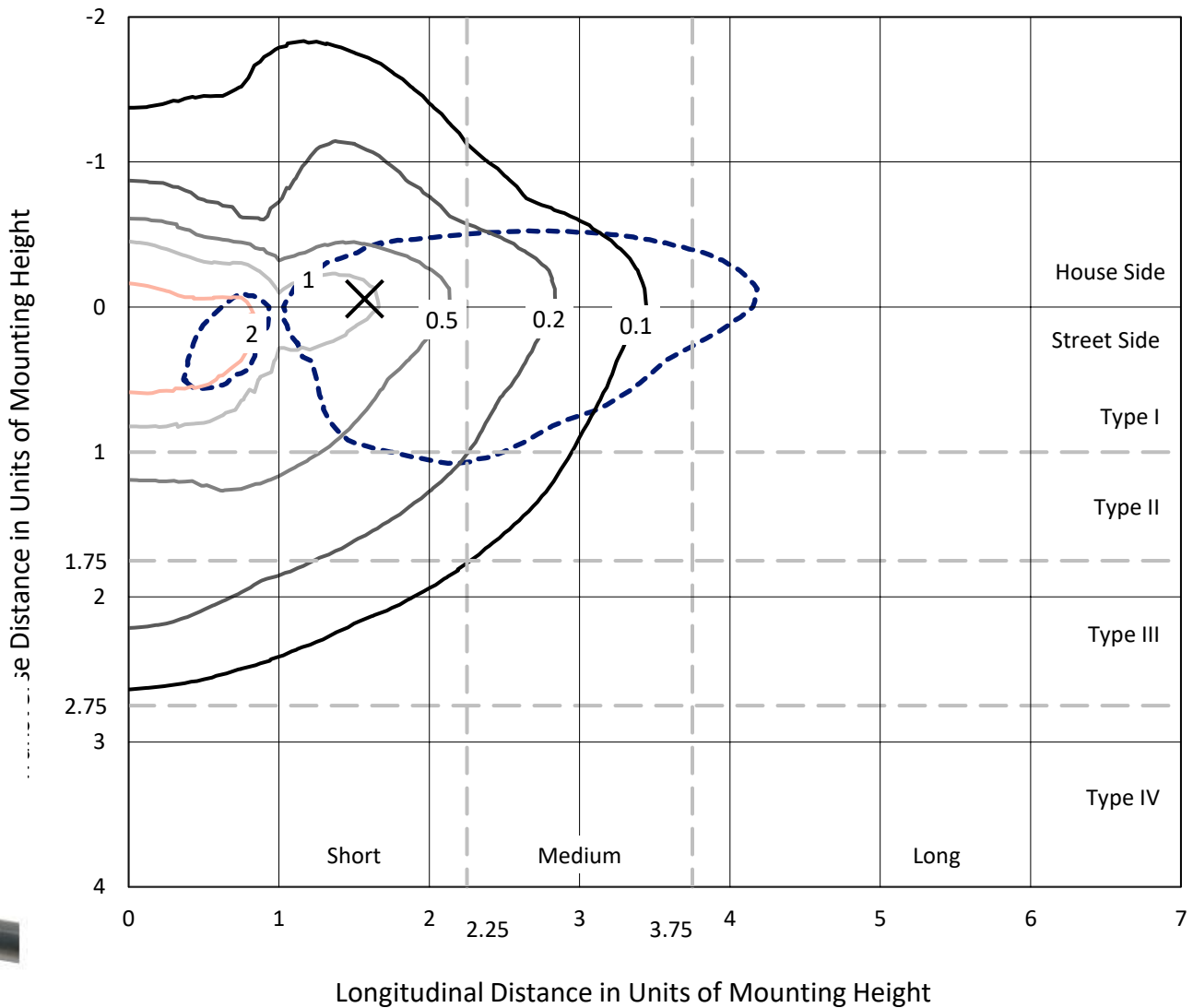


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

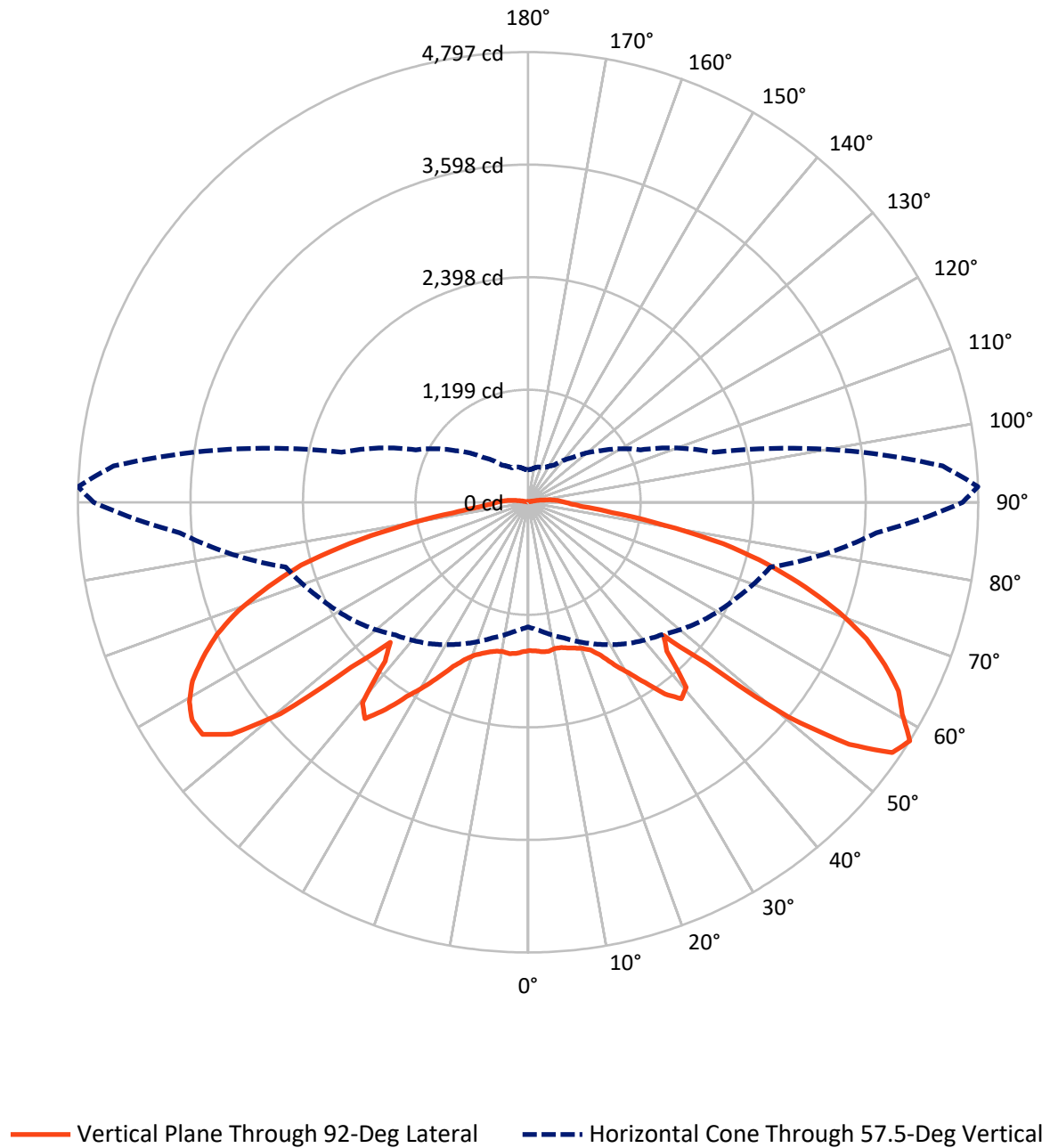


Based on 25 foot mounting height. Maximum calculated value = 2.8 fc
 Type I - Short - N/A

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Luminous Intensity Polar Plot



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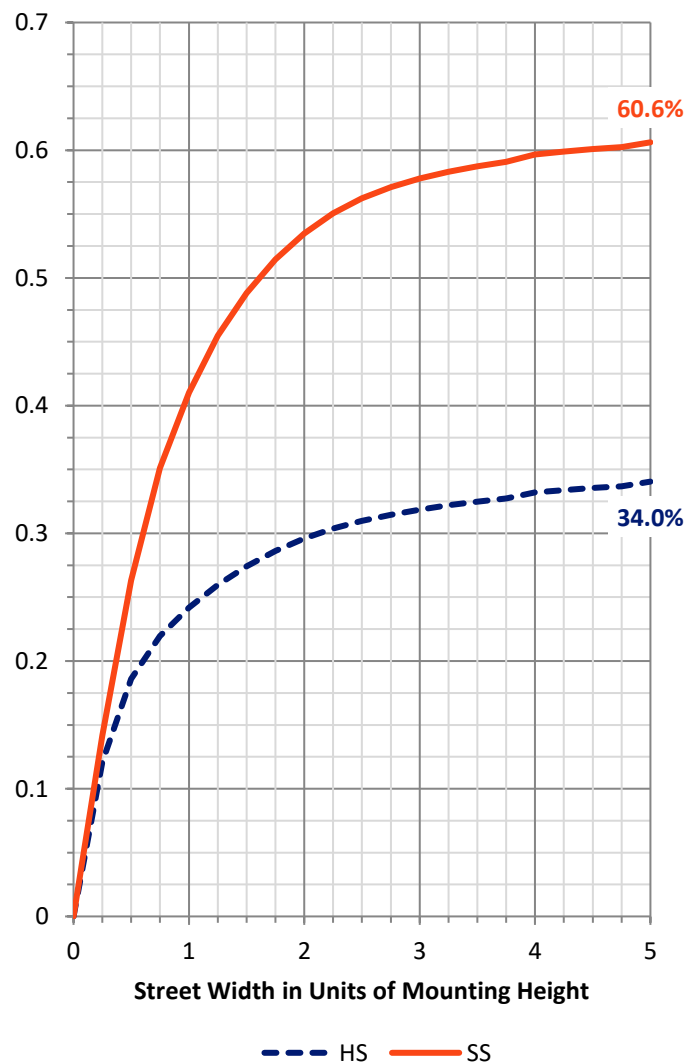
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3005.4	131.3	3136.7
	% Fixture	35.7	1.6	37.2
Street Side	Lumens	5179.1	107.2	5286.3
	% Fixture	61.5	1.3	62.8
Total	Lumens	8184.5	238.5	8423.0
	% Fixture	97.2	2.8	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	151.5	1.8
10°-20°	446.3	5.3
20°-30°	740.3	8.8
30°-40°	1024.6	12.2
40°-50°	956.7	11.4
50°-60°	1429.5	17.0
60°-70°	1698.0	20.2
70°-80°	1246.3	14.8
80°-90°	491.3	5.8
90°-100°	173.0	2.1
100°-110°	40.9	0.5
110°-120°	15.8	0.2
120°-130°	8.1	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°	8184.5	97.2
0°-180°	8423.0	100.0

Coefficient of Utilization



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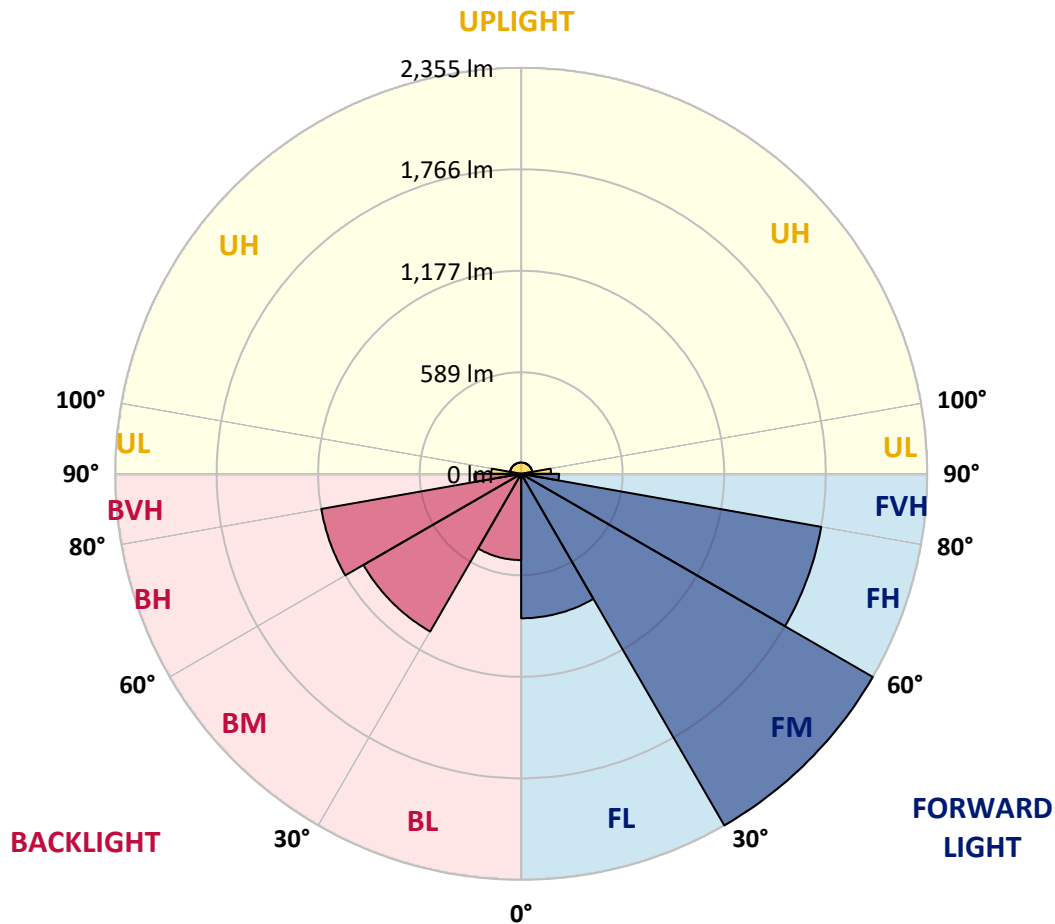
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	837.9	9.9			
FM	(30°-60°)	2354.6	28.0			
FH	(60°-80°)	1767.0	21.0			G1/1800
FVH	(80°-90°)	219.6	2.6			G2/225
BL	(0°-30°)	500.3	5.9	B2/1000		
BM	(30°-60°)	1056.1	12.5	B2/2500		
BH	(60°-80°)	1177.3	14.0	B3/2500		G3/2500
BVH	(80°-90°)	271.7	3.2			G3/500
UL	(90°-100°)	173.0	2.1		U3/500	
UH	(100°-180°)	65.5	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°	1580.0	1580.0	1580.0	1580.0	1580.0	1580.0	1580.0	1580.0	1580.0	1580.0	1580.0
2.5°	1648.1	1636.8	1639.6	1636.8	1631.1	1625.4	1619.7	1614.1	1605.5	1597.0	1591.4
5°	1744.5	1733.2	1733.2	1733.2	1721.9	1704.8	1682.1	1668.0	1648.1	1625.4	1608.4
7.5°	1809.8	1801.3	1798.4	1795.6	1781.4	1770.1	1744.5	1699.2	1668.0	1639.6	1614.1
10°	1832.5	1832.5	1829.6	1821.1	1807.0	1792.8	1775.7	1733.2	1682.1	1633.9	1599.9
12.5°	1875.0	1880.7	1872.2	1858.0	1852.3	1835.3	1809.8	1775.7	1719.0	1645.3	1605.5
15°	1940.3	1937.4	1926.1	1923.3	1917.6	1897.7	1875.0	1832.5	1767.2	1673.6	1628.2
17.5°	1968.6	1965.8	1965.8	1965.8	1965.8	1951.6	1948.8	1900.6	1832.5	1719.0	1662.3
20°	1974.3	1974.3	1982.8	2002.7	2005.5	2002.7	2016.9	1985.7	1906.2	1775.7	1699.2
22.5°	2011.2	2014.0	2028.2	2048.1	2062.2	2067.9	2079.3	2093.5	2019.7	1866.5	1770.1
25°	1991.3	2005.5	2036.7	2067.9	2102.0	2121.8	2184.2	2232.4	2170.0	1999.8	1869.4
27.5°	1957.3	1968.6	2031.0	2087.8	2164.4	2246.6	2337.4	2399.8	2362.9	2164.4	2028.2
30°	1988.5	1988.5	2028.2	2121.8	2221.1	2371.4	2504.8	2572.8	2555.8	2337.4	2212.6
32.5°	1923.3	1940.3	2025.4	2161.5	2311.9	2507.6	2643.8	2771.4	2788.4	2561.5	2360.1
35°	1730.4	1767.2	1824.0	2002.7	2258.0	2598.4	2808.3	2970.0	3040.9	2816.8	2581.4
37.5°	1429.7	1443.9	1563.0	1741.7	2045.2	2382.8	2745.9	3140.2	3287.7	3009.7	2802.6
40°	1262.3	1270.8	1347.4	1503.4	1758.7	2090.6	2397.0	2802.6	2918.9	2890.6	2694.8
42.5°	1205.6	1219.8	1310.5	1460.9	1676.5	1906.2	1985.7	2161.5	2116.1	2238.1	2300.5
45°	1273.7	1282.2	1347.4	1477.9	1614.1	1713.3	1656.6	1781.4	1843.8	2084.9	2099.1
47.5°	1321.9	1327.6	1398.5	1563.0	1585.7	1588.5	1665.1	1738.9	1911.9	2433.9	2666.5
50°	1134.7	1163.0	1299.2	1441.0	1452.4	1676.5	1894.9	2042.4	2255.1	3205.4	3650.8
52.5°	1052.4	1066.6	1214.1	1460.9	1625.4	1886.4	2042.4	2189.9	2394.1	3540.1	4323.1
55°	1154.5	1177.2	1353.1	1628.2	1792.8	1971.5	2167.2	2348.8	2550.2	3713.2	4623.8
57.5°	1327.6	1370.1	1497.8	1665.1	1838.2	1999.8	2226.8	2436.7	2672.1	3724.5	4629.4
60°	1670.8	1639.6	1568.7	1642.4	1809.8	1994.2	2255.1	2479.2	2740.2	3721.7	4498.9
62.5°	1906.2	1860.8	1625.4	1591.4	1747.4	1934.6	2192.7	2473.6	2726.0	3596.9	4351.4
65°	1860.8	1829.6	1648.1	1523.3	1636.8	1838.2	2107.6	2439.5	2657.9	3463.6	4084.8
67.5°	1605.5	1568.7	1492.1	1443.9	1500.6	1736.0	2028.2	2371.4	2578.5	3310.4	3792.6
70°	1310.5	1290.7	1265.1	1316.2	1387.1	1608.4	1883.5	2223.9	2428.2	3018.2	3480.6
72.5°	1112.0	1100.6	1069.4	1123.3	1242.5	1441.0	1670.8	2011.2	2241.0	2623.9	3094.8
75°	936.1	938.9	921.9	956.0	1032.5	1228.3	1409.8	1741.7	1997.0	2252.3	2677.8
77.5°	768.7	760.2	777.2	797.1	848.2	990.0	1112.0	1401.3	1704.8	1787.1	2053.7
80°	561.7	575.8	607.0	604.2	646.8	709.2	791.4	944.6	1197.1	1279.3	1381.5
82.5°	397.1	414.2	442.5	411.3	417.0	434.0	470.9	541.8	675.1	757.4	842.5
85°	280.8	289.3	295.0	272.3	272.3	283.7	309.2	360.3	442.5	493.6	539.0
87.5°	204.2	207.1	218.4	207.1	209.9	215.6	238.3	272.3	340.4	377.3	414.2
90°	156.0	156.0	161.7	158.9	164.5	175.9	198.6	226.9	278.0	323.4	357.4
92.5°	113.5	113.5	119.1	122.0	124.8	139.0	158.9	181.5	215.6	272.3	306.4
95°	87.9	87.9	93.6	93.6	96.4	107.8	124.8	147.5	173.0	212.7	244.0
97.5°	65.2	65.2	70.9	70.9	73.8	82.3	96.4	110.6	133.3	158.9	173.0
100°	51.1	51.1	53.9	53.9	56.7	65.2	73.8	82.3	87.9	102.1	107.8
102.5°	42.5	42.5	42.5	42.5	42.5	48.2	51.1	51.1	53.9	62.4	65.2
105°	34.0	34.0	34.0	31.2	31.2	34.0	34.0	34.0	36.9	36.9	39.7
107.5°	25.5	25.5	25.5	25.5	25.5	28.4	28.4	28.4	28.4	31.2	31.2
110°	22.7	22.7	22.7	22.7	22.7	22.7	25.5	25.5	25.5	25.5	25.5

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	19.9	19.9	19.9	19.9	19.9	19.9	22.7	22.7	22.7	22.7	22.7
115°	17.0	17.0	17.0	17.0	17.0	19.9	22.7	19.9	19.9	19.9	19.9
117.5°	14.2	14.2	14.2	17.0	17.0	17.0	19.9	17.0	17.0	17.0	19.9
120°	11.3	11.3	14.2	14.2	14.2	14.2	14.2	14.2	17.0	17.0	17.0
122.5°	11.3	11.3	11.3	11.3	11.3	14.2	14.2	14.2	14.2	14.2	17.0
125°	8.5	8.5	8.5	11.3	11.3	11.3	11.3	11.3	11.3	14.2	14.2
127.5°	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	11.3	11.3	11.3
130°	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5
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°	1580.0	1580.0	1580.0	1580.0	1580.0	1580.0	1580.0	1580.0	1580.0	1580.0	1580.0
2.5°	1585.7	1585.7	1568.7	1551.7	1534.6	1517.6	1503.4	1494.9	1483.6	1486.4	1486.4
5°	1599.9	1591.4	1554.5	1531.8	1506.3	1483.6	1460.9	1441.0	1435.3	1432.5	1421.2
7.5°	1602.7	1588.5	1548.8	1514.8	1466.6	1412.7	1387.1	1364.4	1350.2	1361.6	1355.9
10°	1582.9	1565.8	1520.4	1469.4	1401.3	1355.9	1316.2	1293.5	1282.2	1285.0	1282.2
12.5°	1588.5	1568.7	1494.9	1418.3	1361.6	1285.0	1236.8	1216.9	1202.7	1202.7	1194.2
15°	1611.2	1577.2	1472.2	1392.8	1299.2	1233.9	1177.2	1163.0	1157.4	1151.7	1143.2
17.5°	1633.9	1585.7	1469.4	1347.4	1242.5	1171.5	1114.8	1089.3	1075.1	1075.1	1072.3
20°	1662.3	1602.7	1452.4	1299.2	1188.6	1094.9	1026.9	1004.2	992.8	990.0	984.3
22.5°	1710.5	1648.1	1443.9	1279.3	1117.6	1021.2	956.0	913.4	890.7	887.9	887.9
25°	1807.0	1730.4	1460.9	1225.4	1069.4	944.6	865.2	822.6	797.1	797.1	794.3
27.5°	1960.1	1838.2	1486.4	1205.6	978.6	862.3	780.1	714.8	692.1	692.1	695.0
30°	2110.5	2002.7	1551.7	1163.0	927.6	754.6	655.3	607.0	578.7	567.3	570.2
32.5°	2289.2	2175.7	1642.4	1134.7	825.5	626.9	536.1	510.6	468.0	456.7	448.2
35°	2507.6	2343.1	1744.5	1094.9	746.0	533.3	459.5	408.5	388.6	374.4	371.6
37.5°	2655.1	2510.4	1835.3	1103.5	635.4	482.2	400.0	346.1	326.2	329.1	329.1
40°	2592.7	2425.3	1858.0	1046.7	541.8	419.8	334.7	303.5	292.2	295.0	297.8
42.5°	2167.2	2079.3	1537.5	936.1	448.2	337.6	280.8	280.8	289.3	280.8	280.8
45°	2025.4	1804.1	1117.6	658.1	337.6	278.0	266.6	275.2	295.0	295.0	295.0
47.5°	2564.3	2314.7	1001.3	550.3	377.3	312.0	289.3	275.2	278.0	275.2	275.2
50°	3596.9	3205.4	1344.6	686.5	456.7	371.6	329.1	300.7	300.7	295.0	289.3
52.5°	4283.4	3872.0	1636.8	859.5	573.0	434.0	377.3	326.2	309.2	297.8	295.0
55°	4708.9	4396.8	1889.2	1100.6	746.0	516.3	419.8	365.9	340.4	317.7	314.9
57.5°	4796.8	4433.7	2056.6	1321.9	961.6	678.0	482.2	405.6	388.6	351.7	346.1
60°	4581.2	4340.1	2121.8	1466.6	1148.8	893.5	629.7	470.9	434.0	408.5	402.8
62.5°	4430.9	4152.9	2099.1	1514.8	1265.1	1072.3	828.3	578.7	473.7	476.6	502.1
65°	4178.4	3991.2	1931.8	1443.9	1259.5	1131.8	930.4	669.5	487.9	482.2	513.4
67.5°	3889.1	3741.6	1764.4	1287.8	1160.2	1049.6	865.2	638.2	462.4	434.0	436.8
70°	3517.5	3392.6	1594.2	1199.9	1069.4	930.4	751.7	553.1	456.7	411.3	411.3
72.5°	3089.1	2941.6	1452.4	1134.7	1021.2	893.5	720.5	533.3	490.7	473.7	487.9
75°	2635.3	2448.0	1341.7	1072.3	987.2	893.5	717.7	533.3	490.7	476.6	476.6
77.5°	2124.7	2014.0	1222.6	973.0	919.1	851.0	660.9	496.4	482.2	476.6	476.6
80°	1469.4	1452.4	995.7	845.3	831.1	805.6	621.2	479.4	479.4	470.9	459.5
82.5°	902.1	859.5	712.0	632.6	680.8	717.7	564.5	451.0	439.7	431.2	425.5
85°	584.4	587.2	499.3	442.5	470.9	547.5	476.6	408.5	391.5	397.1	397.1
87.5°	448.2	462.4	391.5	360.3	354.6	371.6	374.4	365.9	354.6	346.1	348.9
90°	385.8	391.5	314.9	289.3	286.5	292.2	292.2	309.2	309.2	280.8	263.8
92.5°	323.4	331.9	261.0	235.4	235.4	244.0	249.6	249.6	226.9	184.4	164.5
95°	255.3	261.0	207.1	187.2	190.1	190.1	187.2	178.7	139.0	82.3	73.8
97.5°	178.7	181.5	153.2	141.8	144.7	139.0	122.0	110.6	85.1	48.2	45.4
100°	113.5	116.3	96.4	93.6	102.1	90.8	79.4	73.8	51.1	31.2	36.9
102.5°	68.1	68.1	59.6	56.7	62.4	53.9	48.2	39.7	31.2	19.9	25.5
105°	39.7	39.7	36.9	36.9	36.9	34.0	31.2	25.5	17.0	14.2	14.2
107.5°	31.2	31.2	28.4	28.4	25.5	25.5	22.7	17.0	11.3	8.5	8.5
110°	25.5	25.5	22.7	22.7	22.7	19.9	17.0	14.2	8.5	5.7	5.7

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CANDELA DISTRIBUTION (continued):

	92°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	22.7	22.7	19.9	19.9	17.0	17.0	14.2	11.3	8.5	5.7	5.7
115°	19.9	19.9	17.0	14.2	14.2	14.2	11.3	8.5	5.7	2.8	5.7
117.5°	19.9	19.9	14.2	11.3	11.3	11.3	8.5	8.5	5.7	2.8	2.8
120°	17.0	17.0	11.3	11.3	8.5	8.5	8.5	5.7	2.8	2.8	2.8
122.5°	14.2	14.2	11.3	8.5	8.5	8.5	5.7	5.7	2.8	2.8	2.8
125°	14.2	14.2	8.5	8.5	8.5	5.7	5.7	5.7	2.8	0.0	0.0
127.5°	11.3	11.3	8.5	8.5	5.7	5.7	5.7	2.8	2.8	0.0	0.0
130°	8.5	8.5	8.5	8.5	5.7	5.7	5.7	2.8	2.8	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)