

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: P690924

Luminaire Tested: **CRTK2-C01-D-U-T2-7030-SR-CARETAKER**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P690924
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-D-U-T2-7030-SR-CARETAKER
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K LED WITH TYPE II OPTIC AND SR REFRACTOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8313 lumens
Efficiency: N/A
Efficacy: 136.3 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): 61
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



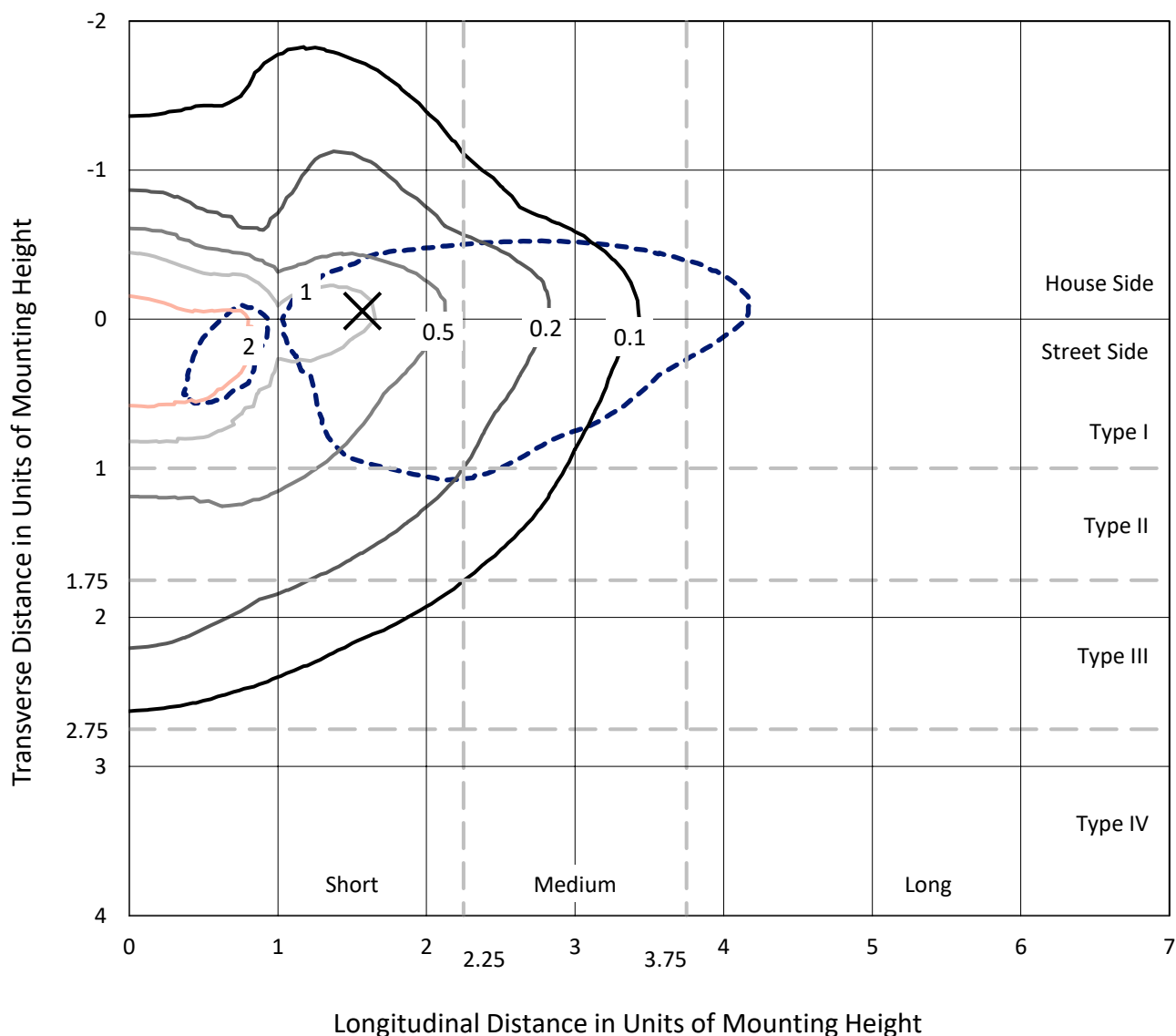
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

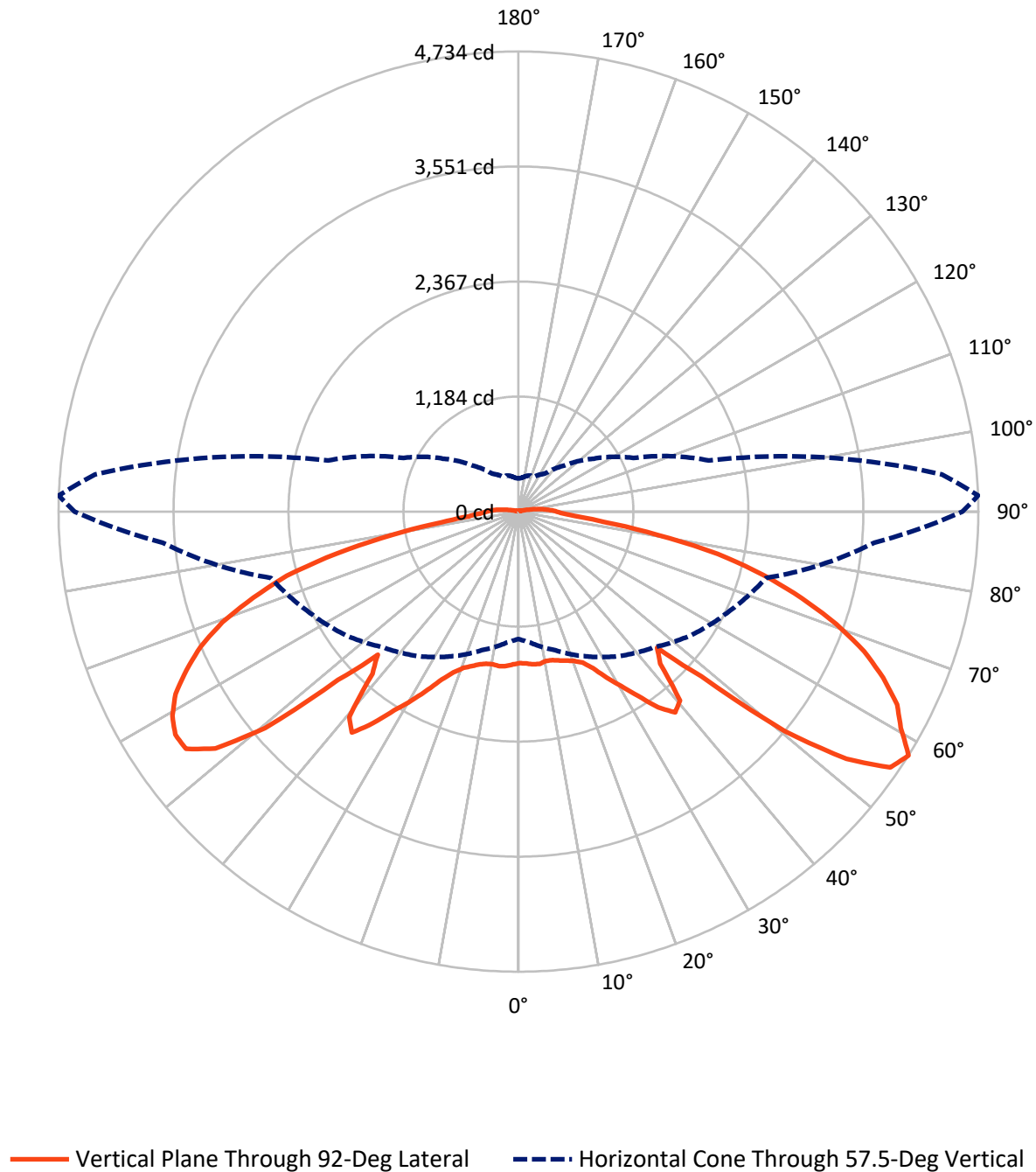


Based on 25 foot mounting height. Maximum calculated value = 2.8 fc

Type I - Short - N/A

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Luminous Intensity Polar Plot



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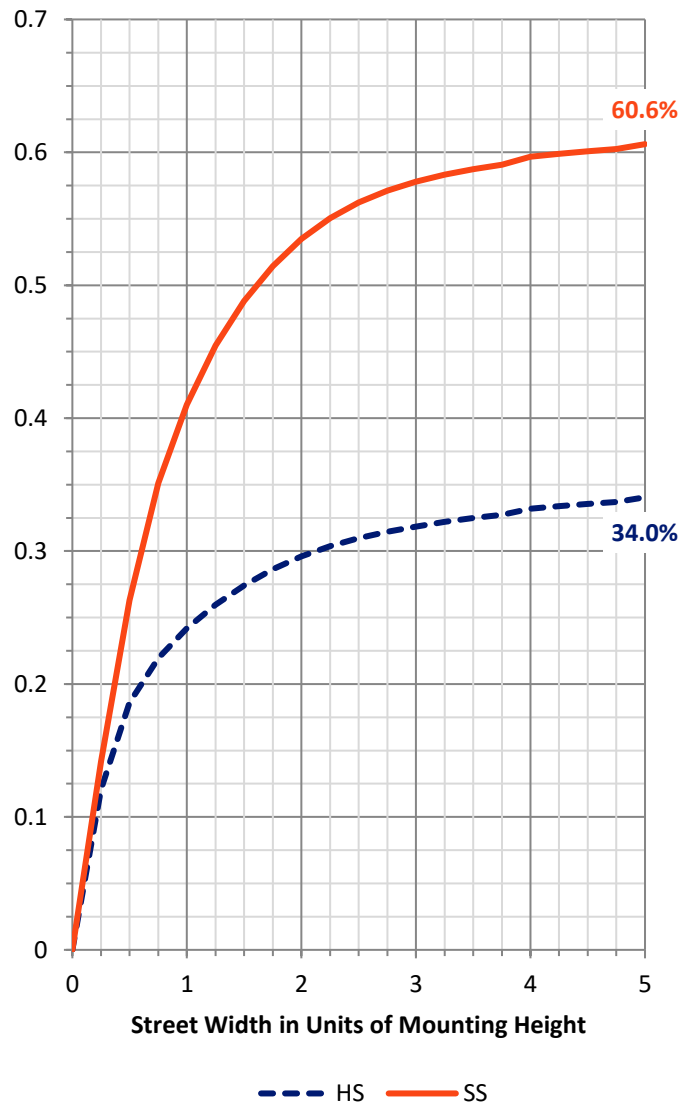
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2966.1	129.6	3095.7
	% Fixture	35.7	1.6	37.2
Street Side	Lumens	5111.5	105.8	5217.3
	% Fixture	61.5	1.3	62.8
Total	Lumens	8077.6	235.4	8313.0
	% Fixture	97.2	2.8	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	149.6	1.8
10°-20°	440.5	5.3
20°-30°	730.6	8.8
30°-40°	1011.2	12.2
40°-50°	944.2	11.4
50°-60°	1410.8	17.0
60°-70°	1675.9	20.2
70°-80°	1230.0	14.8
80°-90°	484.9	5.8
90°-100°	170.8	2.1
100°-110°	40.4	0.5
110°-120°	15.6	0.2
120°-130°	8.0	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°	8077.6	97.2
0°-180°	8313.0	100.0

Coefficient of Utilization



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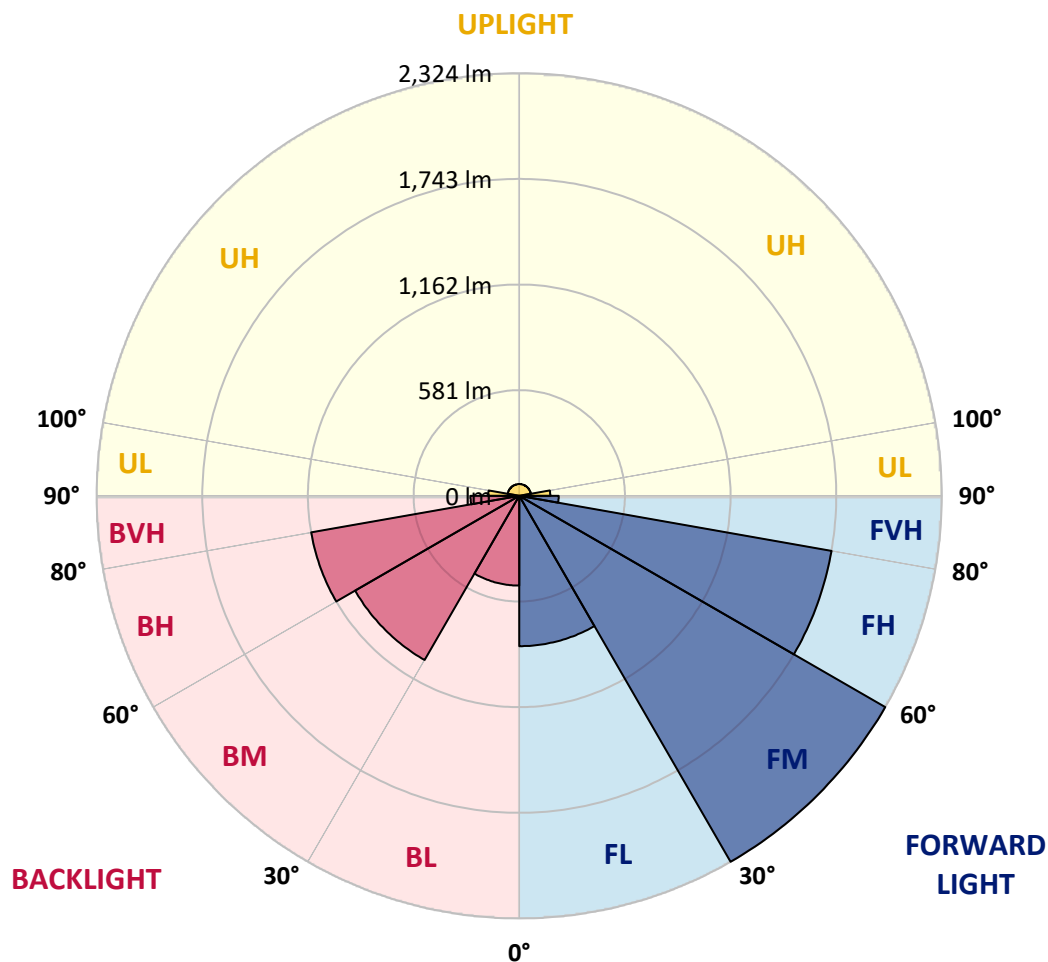
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	826.9	9.9			
FM	(30°-60°)	2323.9	28.0			
FH	(60°-80°)	1743.9	21.0			G1/1800
FVH	(80°-90°)	216.7	2.6			G2/225
BL	(0°-30°)	493.7	5.9	B1/500		
BM	(30°-60°)	1042.3	12.5	B2/2500		
BH	(60°-80°)	1161.9	14.0	B3/2500		G3/2500
BVH	(80°-90°)	268.2	3.2			G3/500
UL	(90°-100°)	170.8	2.1		U3/500	
UH	(100°-180°)	64.6	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°	1559.4	1559.4	1559.4	1559.4	1559.4	1559.4	1559.4	1559.4	1559.4	1559.4	1559.4
2.5°	1626.6	1615.4	1618.2	1615.4	1609.8	1604.2	1598.6	1593.0	1584.6	1576.2	1570.6
5°	1721.8	1710.6	1710.6	1710.6	1699.4	1682.6	1660.2	1646.2	1626.6	1604.2	1587.4
7.5°	1786.2	1777.8	1775.0	1772.2	1758.2	1747.0	1721.8	1677.0	1646.2	1618.2	1593.0
10°	1808.5	1808.5	1805.7	1797.4	1783.4	1769.4	1752.6	1710.6	1660.2	1612.6	1579.0
12.5°	1850.5	1856.1	1847.7	1833.7	1828.1	1811.3	1786.2	1752.6	1696.6	1623.8	1584.6
15°	1914.9	1912.1	1900.9	1898.1	1892.5	1872.9	1850.5	1808.5	1744.2	1651.8	1607.0
17.5°	1942.9	1940.1	1940.1	1940.1	1940.1	1926.1	1923.3	1875.7	1808.5	1696.6	1640.6
20°	1948.5	1948.5	1956.9	1976.5	1979.3	1976.5	1990.5	1959.7	1881.3	1752.6	1677.0
22.5°	1984.9	1987.7	2001.7	2021.3	2035.3	2040.9	2052.1	2066.1	1993.3	1842.1	1747.0
25°	1965.3	1979.3	2010.1	2040.9	2074.5	2094.1	2155.7	2203.3	2141.7	1973.7	1844.9
27.5°	1931.7	1942.9	2004.5	2060.5	2136.1	2217.3	2306.9	2368.5	2332.1	2136.1	2001.7
30°	1962.5	1962.5	2001.7	2094.1	2192.1	2340.5	2472.1	2539.2	2522.5	2306.9	2183.7
32.5°	1898.1	1914.9	1998.9	2133.3	2281.7	2474.9	2609.2	2735.2	2752.0	2528.0	2329.3
35°	1707.8	1744.2	1800.2	1976.5	2228.5	2564.4	2771.6	2931.2	3001.2	2780.0	2547.6
37.5°	1411.0	1425.0	1542.6	1719.0	2018.5	2351.7	2710.0	3099.2	3244.8	2970.4	2766.0
40°	1245.8	1254.2	1329.8	1483.8	1735.8	2063.3	2365.7	2766.0	2880.8	2852.8	2659.6
42.5°	1189.8	1203.8	1293.4	1441.8	1654.6	1881.3	1959.7	2133.3	2088.5	2208.9	2270.5
45°	1257.0	1265.4	1329.8	1458.6	1593.0	1691.0	1635.0	1758.2	1819.7	2057.7	2071.7
47.5°	1304.6	1310.2	1380.2	1542.6	1565.0	1567.8	1643.4	1716.2	1886.9	2402.1	2631.6
50°	1119.8	1147.8	1282.2	1422.2	1433.4	1654.6	1870.1	2015.7	2225.7	3163.6	3603.1
52.5°	1038.7	1052.7	1198.2	1441.8	1604.2	1861.7	2015.7	2161.3	2362.9	3493.9	4266.6
55°	1139.4	1161.8	1335.4	1607.0	1769.4	1945.7	2138.9	2318.1	2516.9	3664.7	4563.4
57.5°	1310.2	1352.2	1478.2	1643.4	1814.1	1973.7	2197.7	2404.9	2637.2	3675.9	4569.0
60°	1649.0	1618.2	1548.2	1621.0	1786.2	1968.1	2225.7	2446.9	2704.4	3673.1	4440.2
62.5°	1881.3	1836.5	1604.2	1570.6	1724.6	1909.3	2164.1	2441.3	2690.4	3549.9	4294.6
65°	1836.5	1805.7	1626.6	1503.4	1615.4	1814.1	2080.1	2407.7	2623.2	3418.3	4031.4
67.5°	1584.6	1548.2	1472.6	1425.0	1481.0	1713.4	2001.7	2340.5	2544.8	3267.1	3743.1
70°	1293.4	1273.8	1248.6	1299.0	1369.0	1587.4	1858.9	2194.9	2396.5	2978.8	3435.1
72.5°	1097.4	1086.2	1055.5	1108.6	1226.2	1422.2	1649.0	1984.9	2211.7	2589.6	3054.4
75°	923.9	926.7	909.9	943.5	1019.1	1212.2	1391.4	1719.0	1970.9	2222.9	2642.8
77.5°	758.7	750.3	767.1	786.7	837.1	977.1	1097.4	1383.0	1682.6	1763.8	2026.9
80°	554.3	568.3	599.1	596.3	638.3	699.9	781.1	932.3	1181.4	1262.6	1363.4
82.5°	391.9	408.7	436.7	405.9	411.5	428.3	464.7	534.7	666.3	747.5	831.5
85°	277.2	285.6	291.2	268.8	268.8	280.0	305.2	355.6	436.7	487.1	531.9
87.5°	201.6	204.4	215.6	204.4	207.2	212.8	235.2	268.8	336.0	372.3	408.7
90°	154.0	154.0	159.6	156.8	162.4	173.6	196.0	224.0	274.4	319.2	352.8
92.5°	112.0	112.0	117.6	120.4	123.2	137.2	156.8	179.2	212.8	268.8	302.4
95°	86.8	86.8	92.4	92.4	95.2	106.4	123.2	145.6	170.8	210.0	240.8
97.5°	64.4	64.4	70.0	70.0	72.8	81.2	95.2	109.2	131.6	156.8	170.8
100°	50.4	50.4	53.2	53.2	56.0	64.4	72.8	81.2	86.8	100.8	106.4
102.5°	42.0	42.0	42.0	42.0	42.0	47.6	50.4	50.4	53.2	61.6	64.4
105°	33.6	33.6	33.6	30.8	30.8	33.6	33.6	33.6	36.4	36.4	39.2
107.5°	25.2	25.2	25.2	25.2	25.2	28.0	28.0	28.0	28.0	30.8	30.8
110°	22.4	22.4	22.4	22.4	22.4	22.4	25.2	25.2	25.2	25.2	25.2



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	19.6	19.6	19.6	19.6	19.6	19.6	22.4	22.4	22.4	22.4	22.4
115°	16.8	16.8	16.8	16.8	16.8	19.6	22.4	19.6	19.6	19.6	19.6
117.5°	14.0	14.0	14.0	16.8	16.8	16.8	19.6	16.8	16.8	16.8	19.6
120°	11.2	11.2	14.0	14.0	14.0	14.0	14.0	14.0	16.8	16.8	16.8
122.5°	11.2	11.2	11.2	11.2	11.2	14.0	14.0	14.0	14.0	14.0	16.8
125°	8.4	8.4	8.4	11.2	11.2	11.2	11.2	11.2	11.2	14.0	14.0
127.5°	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	11.2	11.2	11.2
130°	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4
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°	1559.4	1559.4	1559.4	1559.4	1559.4	1559.4	1559.4	1559.4	1559.4	1559.4	1559.4
2.5°	1565.0	1565.0	1548.2	1531.4	1514.6	1497.8	1483.8	1475.4	1464.2	1467.0	1467.0
5°	1579.0	1570.6	1534.2	1511.8	1486.6	1464.2	1441.8	1422.2	1416.6	1413.8	1402.6
7.5°	1581.8	1567.8	1528.6	1495.0	1447.4	1394.2	1369.0	1346.6	1332.6	1343.8	1338.2
10°	1562.2	1545.4	1500.6	1450.2	1383.0	1338.2	1299.0	1276.6	1265.4	1268.2	1265.4
12.5°	1567.8	1548.2	1475.4	1399.8	1343.8	1268.2	1220.6	1201.0	1187.0	1187.0	1178.6
15°	1590.2	1556.6	1453.0	1374.6	1282.2	1217.8	1161.8	1147.8	1142.2	1136.6	1128.2
17.5°	1612.6	1565.0	1450.2	1329.8	1226.2	1156.2	1100.2	1075.1	1061.1	1061.1	1058.3
20°	1640.6	1581.8	1433.4	1282.2	1173.0	1080.7	1013.5	991.1	979.9	977.1	971.5
22.5°	1688.2	1626.6	1425.0	1262.6	1103.0	1007.9	943.5	901.5	879.1	876.3	876.3
25°	1783.4	1707.8	1441.8	1209.4	1055.5	932.3	853.9	811.9	786.7	786.7	783.9
27.5°	1934.5	1814.1	1467.0	1189.8	965.9	851.1	769.9	705.5	683.1	683.1	685.9
30°	2082.9	1976.5	1531.4	1147.8	915.5	744.7	646.7	599.1	571.1	559.9	562.7
32.5°	2259.3	2147.3	1621.0	1119.8	814.7	618.7	529.1	503.9	461.9	450.7	442.3
35°	2474.9	2312.5	1721.8	1080.7	736.3	526.3	453.5	403.1	383.5	369.5	366.7
37.5°	2620.4	2477.7	1811.3	1089.0	627.1	475.9	394.7	341.6	322.0	324.8	324.8
40°	2558.8	2393.7	1833.7	1033.1	534.7	414.3	330.4	299.6	288.4	291.2	294.0
42.5°	2138.9	2052.1	1517.4	923.9	442.3	333.2	277.2	277.2	285.6	277.2	277.2
45°	1998.9	1780.6	1103.0	649.5	333.2	274.4	263.2	271.6	291.2	291.2	291.2
47.5°	2530.8	2284.5	988.3	543.1	372.3	308.0	285.6	271.6	274.4	271.6	271.6
50°	3549.9	3163.6	1327.0	677.5	450.7	366.7	324.8	296.8	296.8	291.2	285.6
52.5°	4227.4	3821.5	1615.4	848.3	565.5	428.3	372.3	322.0	305.2	294.0	291.2
55°	4647.4	4339.4	1864.5	1086.2	736.3	509.5	414.3	361.1	336.0	313.6	310.8
57.5°	4734.1	4375.8	2029.7	1304.6	949.1	669.1	475.9	400.3	383.5	347.2	341.6
60°	4521.4	4283.4	2094.1	1447.4	1133.8	881.9	621.5	464.7	428.3	403.1	397.5
62.5°	4373.0	4098.6	2071.7	1495.0	1248.6	1058.3	817.5	571.1	467.5	470.3	495.5
65°	4123.8	3939.1	1906.5	1425.0	1243.0	1117.0	918.3	660.7	481.5	475.9	506.7
67.5°	3838.3	3692.7	1741.4	1271.0	1145.0	1035.9	853.9	629.9	456.3	428.3	431.1
70°	3471.5	3348.3	1573.4	1184.2	1055.5	918.3	741.9	545.9	450.7	405.9	405.9
72.5°	3048.8	2903.2	1433.4	1119.8	1007.9	881.9	711.1	526.3	484.3	467.5	481.5
75°	2600.8	2416.1	1324.2	1058.3	974.3	881.9	708.3	526.3	484.3	470.3	470.3
77.5°	2096.9	1987.7	1206.6	960.3	907.1	839.9	652.3	489.9	475.9	470.3	470.3
80°	1450.2	1433.4	982.7	834.3	820.3	795.1	613.1	473.1	473.1	464.7	453.5
82.5°	890.3	848.3	702.7	624.3	671.9	708.3	557.1	445.1	433.9	425.5	419.9
85°	576.7	579.5	492.7	436.7	464.7	540.3	470.3	403.1	386.3	391.9	391.9
87.5°	442.3	456.3	386.3	355.6	350.0	366.7	369.5	361.1	350.0	341.6	344.4
90°	380.7	386.3	310.8	285.6	282.8	288.4	288.4	305.2	305.2	277.2	260.4
92.5°	319.2	327.6	257.6	232.4	232.4	240.8	246.4	246.4	224.0	182.0	162.4
95°	252.0	257.6	204.4	184.8	187.6	187.6	184.8	176.4	137.2	81.2	72.8
97.5°	176.4	179.2	151.2	140.0	142.8	137.2	120.4	109.2	84.0	47.6	44.8
100°	112.0	114.8	95.2	92.4	100.8	89.6	78.4	72.8	50.4	30.8	36.4
102.5°	67.2	67.2	58.8	56.0	61.6	53.2	47.6	39.2	30.8	19.6	25.2
105°	39.2	39.2	36.4	36.4	36.4	33.6	30.8	25.2	16.8	14.0	14.0
107.5°	30.8	30.8	28.0	28.0	25.2	25.2	22.4	16.8	11.2	8.4	8.4
110°	25.2	25.2	22.4	22.4	22.4	19.6	16.8	14.0	8.4	5.6	5.6



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CANDELA DISTRIBUTION (continued):

	92°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	22.4	22.4	19.6	19.6	16.8	16.8	14.0	11.2	8.4	5.6	5.6
115°	19.6	19.6	16.8	14.0	14.0	14.0	11.2	8.4	5.6	2.8	5.6
117.5°	19.6	19.6	14.0	11.2	11.2	11.2	8.4	8.4	5.6	2.8	2.8
120°	16.8	16.8	11.2	11.2	8.4	8.4	8.4	5.6	2.8	2.8	2.8
122.5°	14.0	14.0	11.2	8.4	8.4	8.4	5.6	5.6	2.8	2.8	2.8
125°	14.0	14.0	8.4	8.4	8.4	5.6	5.6	5.6	2.8	0.0	0.0
127.5°	11.2	11.2	8.4	8.4	5.6	5.6	5.6	2.8	2.8	0.0	0.0
130°	8.4	8.4	8.4	8.4	5.6	5.6	5.6	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)