

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: P691399

Luminaire Tested: **CRTK2-C016-5TLD-U-T2-7050-SR-CARETAKER-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691399
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-C016-5TLD-U-T2-7050-SR-CARETAKER-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 5000K 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: 5242 lumens
Efficiency: N/A
Efficacy: 122.5 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.29')
IES Classification: Type III - Short
BUG Rating: B2 - U3 - G2

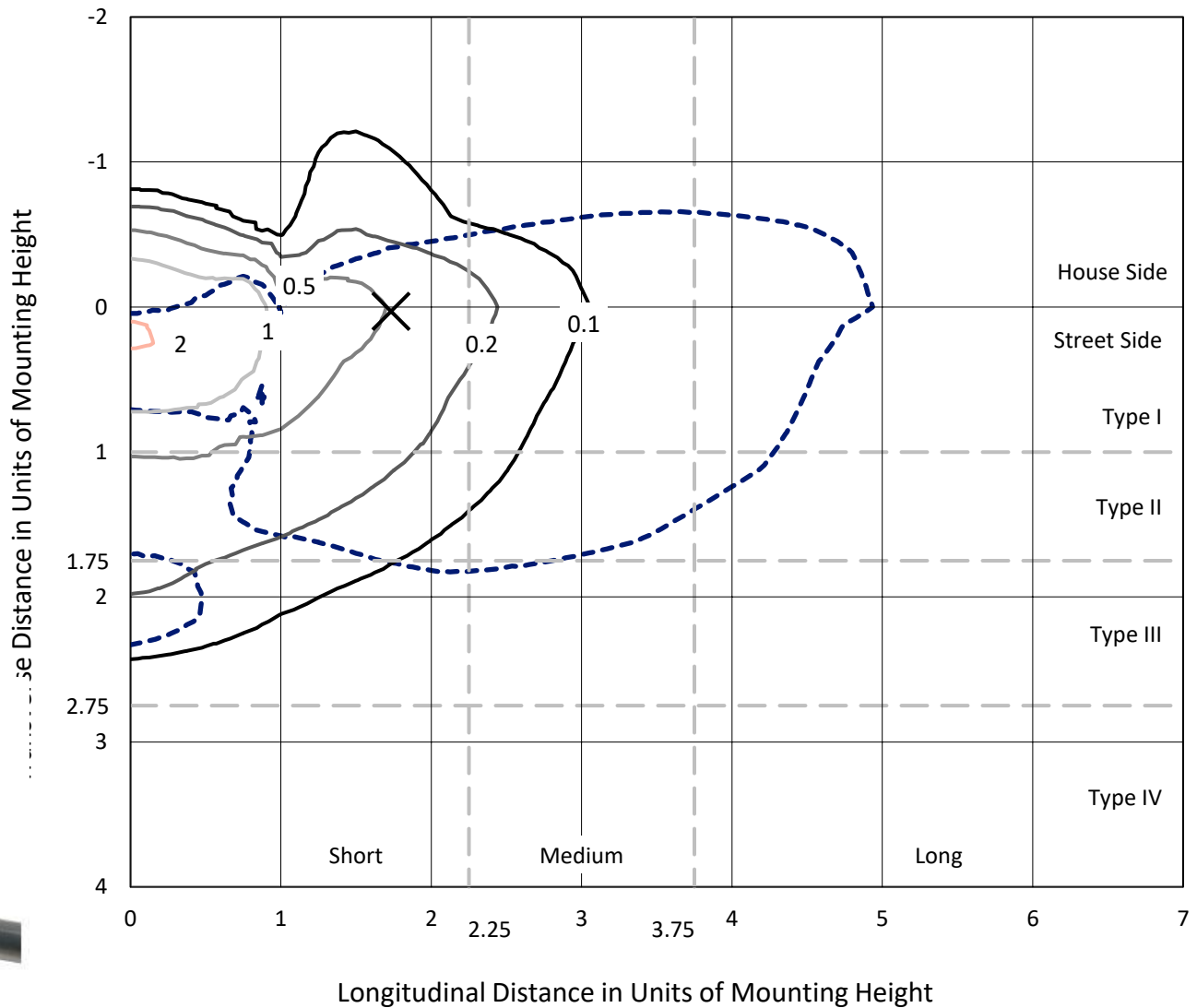
Input Watts (W): 42.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

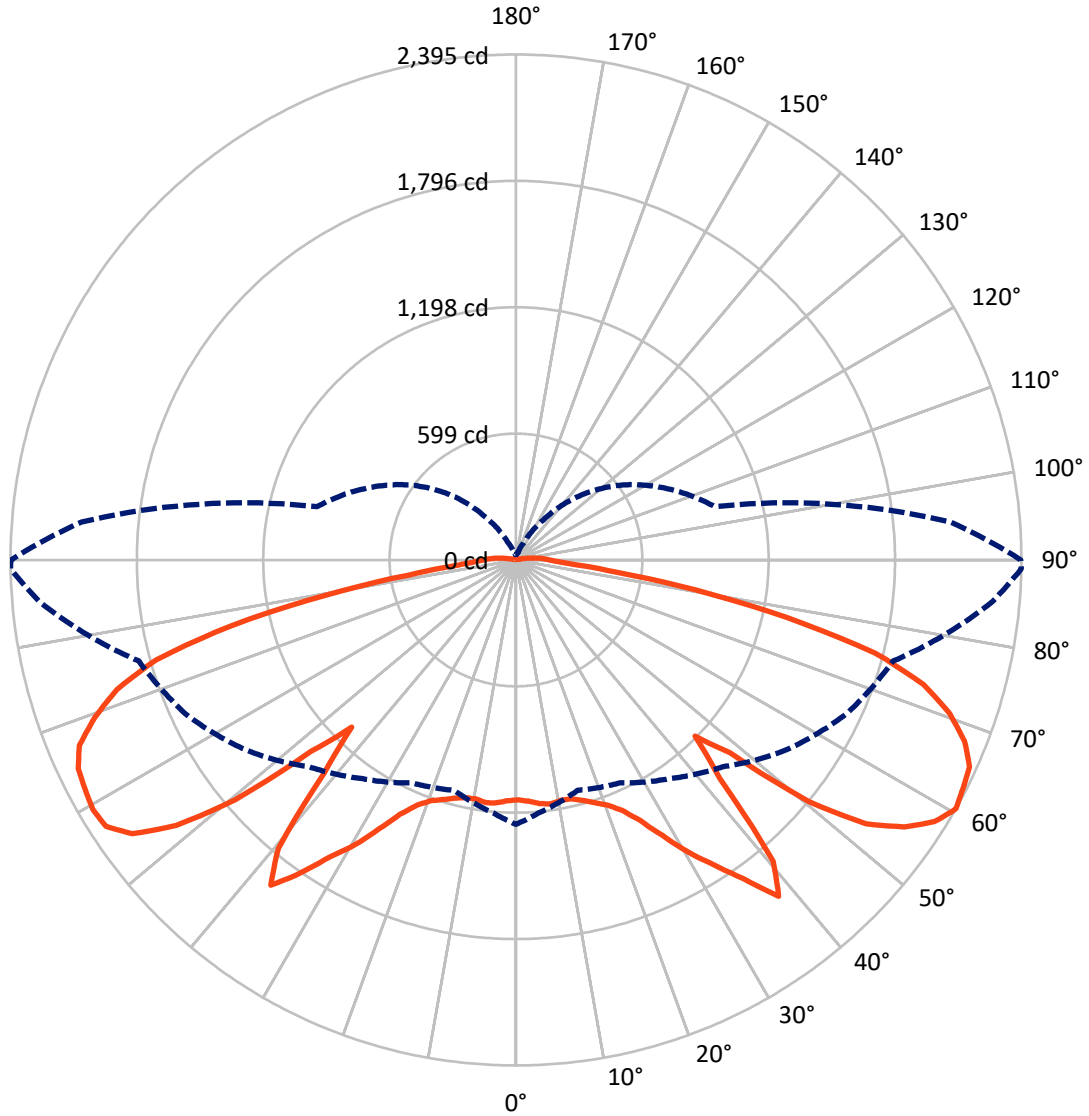
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 89-Deg Lateral - - - Horizontal Cone Through 60-Deg Vertical

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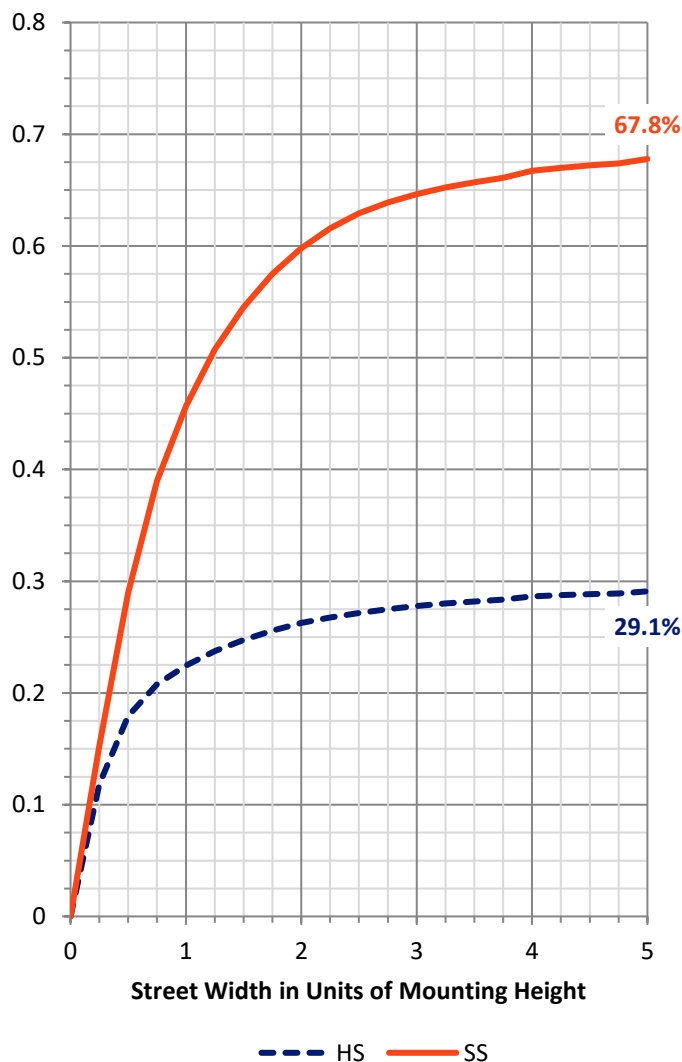
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1556.2	29.2	1585.4
	% Fixture	29.7	0.6	30.2
Street Side	Lumens	3600.3	56.3	3656.6
	% Fixture	68.7	1.1	69.8
Total	Lumens	5156.5	85.5	5242.0
	% Fixture	98.4	1.6	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	109.2	2.1
10°-20°	322.4	6.2
20°-30°	532.2	10.2
30°-40°	721.9	13.8
40°-50°	601.3	11.5
50°-60°	832.7	15.9
60°-70°	1026.4	19.6
70°-80°	777.1	14.8
80°-90°	233.2	4.4
90°-100°	60.4	1.2
100°-110°	13.8	0.3
110°-120°	6.5	0.1
120°-130°	4.4	0.1
130°-140°	0.4	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°	5156.5	98.4
0°-180°	5242.0	100.0

Coefficient of Utilization



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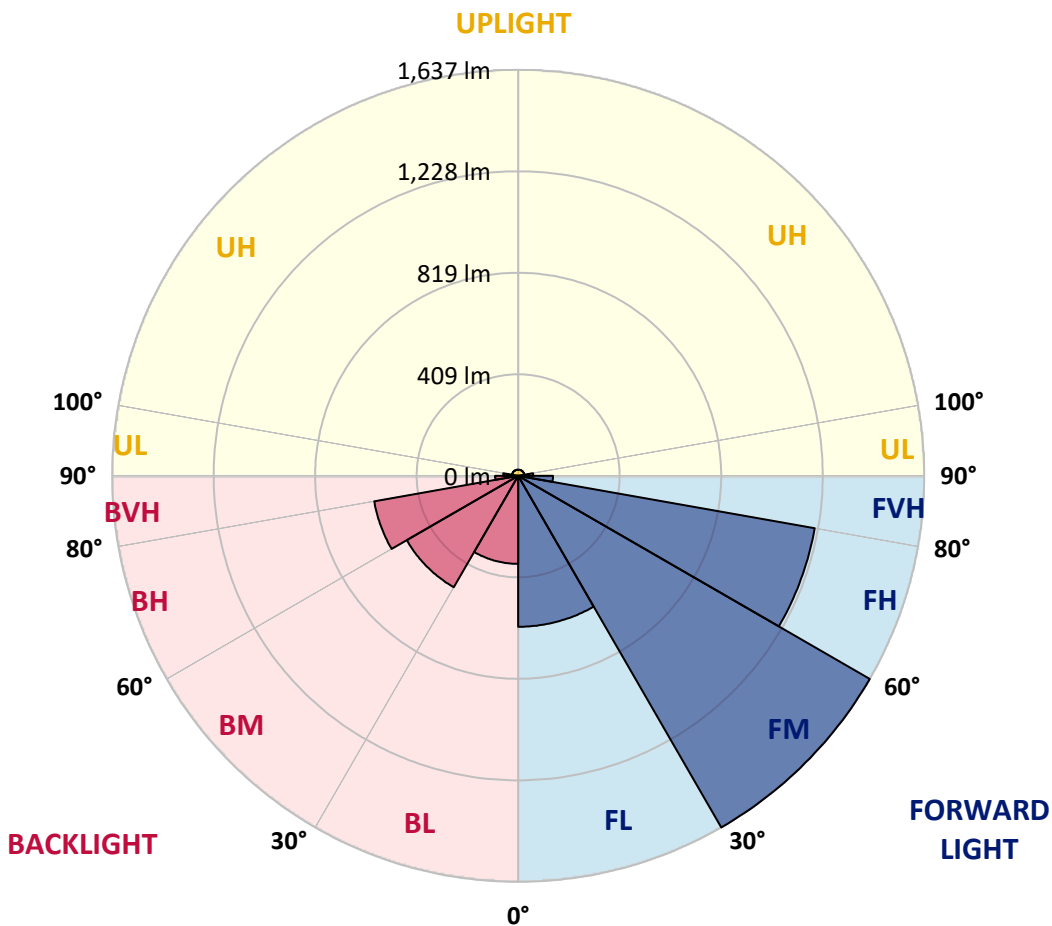
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	608.9	11.6			
FM (30°-60°)	1637.1	31.2			
FH (60°-80°)	1214.1	23.2			G1/1800
FVH (80°-90°)	140.2	2.7			G2/225
BL (0°-30°)	354.9	6.8	B1/500		
BM (30°-60°)	518.8	9.9	B1/1000		
BH (60°-80°)	589.4	11.2	B2/1000		G2/1000
BVH (80°-90°)	93.0	1.8			G1/100
UL (90°-100°)	60.4	1.2		U3/500	
UH (100°-180°)	25.1	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°	1136.1	1136.1	1136.1	1136.1	1136.1	1136.1	1136.1	1136.1	1136.1	1136.1	1136.1
2.5°	1192.3	1186.1	1186.1	1186.1	1173.6	1173.6	1165.3	1161.1	1152.8	1146.6	1144.5
5°	1261.0	1256.8	1256.8	1254.8	1242.3	1233.9	1217.3	1202.7	1190.3	1169.4	1159.0
7.5°	1315.1	1308.9	1308.9	1306.8	1294.3	1283.9	1265.2	1231.9	1206.9	1184.0	1167.4
10°	1333.8	1331.7	1329.7	1323.4	1313.0	1304.7	1288.1	1256.8	1217.3	1179.8	1159.0
12.5°	1369.2	1369.2	1363.0	1354.6	1346.3	1338.0	1315.1	1290.1	1246.4	1188.2	1161.1
15°	1415.0	1410.8	1406.7	1402.5	1396.3	1383.8	1363.0	1331.7	1281.8	1211.1	1181.9
17.5°	1433.7	1431.6	1431.6	1433.7	1431.6	1423.3	1419.1	1383.8	1331.7	1242.3	1209.0
20°	1437.9	1440.0	1444.1	1458.7	1462.8	1458.7	1464.9	1444.1	1383.8	1283.9	1240.2
22.5°	1462.8	1467.0	1475.3	1489.9	1496.1	1502.4	1508.6	1525.3	1464.9	1348.4	1288.1
25°	1452.4	1456.6	1481.6	1504.5	1527.4	1546.1	1585.6	1623.1	1579.4	1444.1	1367.1
27.5°	1425.4	1433.7	1477.4	1523.2	1579.4	1629.3	1702.1	1747.9	1712.5	1564.8	1477.4
30°	1448.3	1448.3	1477.4	1544.0	1616.8	1729.2	1824.9	1876.9	1852.0	1681.3	1606.4
32.5°	1400.4	1412.9	1473.2	1573.1	1685.5	1829.1	1922.7	2014.3	2022.6	1837.4	1720.9
35°	1252.7	1273.5	1323.4	1456.6	1629.3	1879.0	2043.4	2166.2	2205.7	2024.7	1854.0
37.5°	1032.1	1046.7	1134.1	1267.2	1473.2	1712.5	1976.8	2255.7	2365.9	2145.4	2022.6
40°	913.5	923.9	975.9	1086.2	1275.6	1506.5	1714.6	1983.1	2043.4	1958.1	1876.9
42.5°	874.0	890.6	955.1	1057.1	1211.1	1373.4	1406.7	1506.5	1475.3	1485.7	1415.0
45°	928.1	934.3	982.2	1071.6	1165.3	1209.0	1165.3	1233.9	1267.2	1261.0	1190.3
47.5°	955.1	965.5	1017.5	1132.0	1132.0	1134.1	1188.2	1229.8	1325.5	1415.0	1365.0
50°	819.9	834.4	930.1	1021.7	1036.3	1209.0	1350.5	1431.6	1531.5	1770.8	1799.9
52.5°	772.0	782.4	886.4	1069.6	1175.7	1352.6	1440.0	1514.9	1600.2	1995.5	2076.7
55°	844.8	863.6	986.3	1175.7	1292.2	1398.3	1510.7	1618.9	1710.5	2172.4	2232.8
57.5°	975.9	1011.3	1086.2	1192.3	1302.6	1398.3	1548.2	1681.3	1802.0	2241.1	2338.9
60°	1252.7	1204.8	1129.9	1165.3	1265.2	1385.9	1566.9	1727.1	1849.9	2266.1	2395.1
62.5°	1381.7	1346.3	1163.2	1115.3	1202.7	1342.2	1531.5	1727.1	1833.2	2218.2	2378.4
65°	1335.9	1306.8	1175.7	1057.1	1125.7	1281.8	1477.4	1702.1	1795.8	2157.9	2361.8
67.5°	1138.2	1109.1	1067.5	1023.8	1052.9	1221.5	1427.5	1656.4	1754.2	2107.9	2293.1
70°	926.0	909.3	894.8	928.1	982.2	1129.9	1327.6	1554.4	1670.9	1987.2	2180.7
72.5°	788.6	778.2	753.3	786.6	871.9	1007.1	1177.8	1404.6	1544.0	1783.3	2020.5
75°	670.0	663.8	655.5	672.1	726.2	853.2	988.4	1211.1	1379.6	1556.5	1756.2
77.5°	543.1	534.8	553.5	557.7	599.3	690.8	778.2	963.4	1150.7	1221.5	1310.9
80°	395.4	403.7	434.9	422.4	453.6	484.8	547.3	628.4	776.2	855.2	861.5
82.5°	276.8	285.1	314.2	283.0	291.3	293.4	316.3	345.4	405.8	472.4	480.7
85°	195.6	199.8	206.0	183.1	183.1	183.1	197.7	214.3	245.5	272.6	278.8
87.5°	139.4	139.4	147.7	139.4	137.3	135.3	143.6	149.8	168.5	187.3	191.4
90°	104.0	104.0	108.2	104.0	104.0	104.0	112.4	118.6	135.3	151.9	154.0
92.5°	74.9	74.9	81.2	79.1	79.1	81.2	89.5	93.6	108.2	124.9	126.9
95°	58.3	58.3	62.4	60.3	60.3	64.5	70.7	74.9	85.3	93.6	95.7
97.5°	41.6	41.6	43.7	43.7	43.7	43.7	47.9	54.1	66.6	66.6	64.5
100°	29.1	29.1	31.2	29.1	29.1	31.2	31.2	35.4	41.6	39.5	39.5
102.5°	20.8	20.8	20.8	20.8	20.8	18.7	18.7	20.8	22.9	20.8	20.8
105°	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	12.5
107.5°	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	10.4	10.4
110°	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	8.3



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	89°
112.5°	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	8.3	8.3
115°	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	8.3	8.3
117.5°	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3
120°	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3
122.5°	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3
125°	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	8.3	8.3	6.2
127.5°	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2
130°	6.2	4.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	4.2
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°	1136.1	1136.1	1136.1	1136.1	1136.1	1136.1	1136.1	1136.1	1136.1	1136.1	1136.1
2.5°	1142.4	1138.2	1125.7	1111.2	1098.7	1088.3	1077.9	1069.6	1067.5	1063.3	1067.5
5°	1157.0	1142.4	1113.3	1094.5	1077.9	1061.2	1044.6	1036.3	1030.0	1025.9	1025.9
7.5°	1163.2	1142.4	1109.1	1084.1	1048.8	1013.4	992.6	975.9	969.7	975.9	975.9
10°	1152.8	1127.8	1088.3	1050.8	1003.0	973.8	944.7	930.1	921.8	921.8	915.6
12.5°	1157.0	1127.8	1069.6	1013.4	973.8	921.8	886.4	869.8	857.3	861.5	861.5
15°	1173.6	1134.1	1052.9	996.7	928.1	886.4	842.7	832.3	830.3	824.0	819.9
17.5°	1198.6	1140.3	1048.8	959.3	888.5	838.6	797.0	778.2	767.8	761.6	759.5
20°	1225.6	1148.6	1036.3	923.9	846.9	782.4	732.5	707.5	699.2	699.2	695.0
22.5°	1271.4	1177.8	1025.9	907.3	790.7	726.2	676.3	640.9	624.3	622.2	620.1
25°	1346.3	1233.9	1036.3	869.8	757.4	661.7	605.5	574.3	555.6	549.3	549.3
27.5°	1460.8	1310.9	1050.8	849.0	688.8	601.4	538.9	491.1	464.0	466.1	468.2
30°	1583.5	1425.4	1092.5	815.7	645.1	516.1	441.1	403.7	378.7	370.4	366.2
32.5°	1683.4	1544.0	1152.8	788.6	563.9	412.0	347.5	320.5	293.4	270.5	262.2
35°	1837.4	1643.9	1204.8	749.1	497.3	337.1	280.9	239.3	216.4	206.0	201.8
37.5°	1976.8	1741.7	1244.4	740.8	403.7	289.2	222.7	179.0	156.1	154.0	154.0
40°	1808.3	1618.9	1215.2	674.2	318.4	224.7	160.2	126.9	110.3	102.0	102.0
42.5°	1383.8	1240.2	926.0	561.8	228.9	151.9	102.0	95.7	93.6	85.3	85.3
45°	1159.0	915.6	561.8	293.4	108.2	83.2	72.8	72.8	74.9	81.2	81.2
47.5°	1392.1	1082.0	414.1	210.2	106.1	72.8	64.5	58.3	54.1	52.0	52.0
50°	1802.0	1539.8	528.5	249.7	126.9	74.9	58.3	52.0	49.9	47.9	43.7
52.5°	2101.7	1804.1	697.1	380.8	203.9	95.7	58.3	43.7	33.3	29.1	27.1
55°	2282.7	2035.1	821.9	547.3	330.9	160.2	72.8	39.5	29.1	25.0	22.9
57.5°	2380.5	2062.1	926.0	697.1	486.9	285.1	126.9	47.9	29.1	22.9	22.9
60°	2393.0	2066.3	975.9	797.0	620.1	432.8	241.4	93.6	37.5	27.1	25.0
62.5°	2382.6	2030.9	988.4	836.5	701.2	553.5	380.8	185.2	58.3	31.2	29.1
65°	2363.9	2033.0	932.2	801.1	701.2	593.0	441.1	243.5	83.2	35.4	33.3
67.5°	2301.4	2026.8	901.0	724.1	634.7	530.6	395.4	226.8	95.7	43.7	41.6
70°	2174.5	1951.8	882.3	692.9	595.1	472.4	332.9	181.0	108.2	74.9	81.2
72.5°	2030.9	1816.6	863.6	665.9	580.6	470.3	335.0	195.6	145.7	122.8	131.1
75°	1816.6	1581.5	830.3	638.8	572.2	484.8	339.2	185.2	137.3	110.3	108.2
77.5°	1398.3	1315.1	757.4	572.2	520.2	447.4	289.2	141.5	102.0	77.0	74.9
80°	913.5	903.1	591.0	462.0	439.1	395.4	241.4	110.3	81.2	62.4	58.3
82.5°	516.1	495.2	368.3	291.3	310.0	320.5	195.6	83.2	62.4	49.9	45.8
85°	293.4	297.6	214.3	158.1	160.2	189.4	126.9	58.3	39.5	29.1	27.1
87.5°	201.8	208.1	139.4	106.1	95.7	89.5	66.6	35.4	22.9	14.6	10.4
90°	164.4	164.4	104.0	77.0	66.6	58.3	37.5	20.8	16.6	8.3	6.2
92.5°	133.2	139.4	87.4	62.4	52.0	45.8	29.1	14.6	10.4	6.2	4.2
95°	99.9	106.1	70.7	52.0	41.6	35.4	25.0	12.5	8.3	4.2	4.2
97.5°	68.7	68.7	49.9	39.5	33.3	27.1	18.7	10.4	6.2	4.2	4.2
100°	39.5	41.6	29.1	25.0	22.9	20.8	12.5	8.3	4.2	2.1	2.1
102.5°	20.8	20.8	14.6	14.6	12.5	12.5	10.4	6.2	4.2	2.1	2.1
105°	12.5	12.5	10.4	10.4	8.3	8.3	6.2	4.2	2.1	0.0	2.1
107.5°	10.4	10.4	8.3	8.3	6.2	6.2	4.2	4.2	2.1	0.0	0.0
110°	8.3	8.3	6.2	6.2	6.2	4.2	4.2	2.1	2.1	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	8.3	8.3	6.2	6.2	4.2	4.2	4.2	2.1	2.1	0.0	0.0
115°	8.3	6.2	6.2	4.2	4.2	4.2	2.1	2.1	0.0	0.0	0.0
117.5°	8.3	6.2	4.2	4.2	4.2	2.1	2.1	2.1	0.0	0.0	0.0
120°	8.3	6.2	4.2	4.2	4.2	4.2	2.1	2.1	0.0	0.0	0.0
122.5°	8.3	6.2	4.2	4.2	4.2	2.1	2.1	2.1	0.0	0.0	0.0
125°	6.2	6.2	4.2	4.2	2.1	2.1	2.1	2.1	0.0	0.0	0.0
127.5°	6.2	6.2	4.2	4.2	2.1	2.1	2.1	2.1	0.0	0.0	0.0
130°	6.2	6.2	4.2	4.2	2.1	2.1	2.1	2.1	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)