

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: P691675

Luminaire Tested: **CRTK2-C018-D-U-T2-7050-SR-CARETAKER-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691675
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-D-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: 5820 lumens
Efficiency: N/A
Efficacy: 115.5 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.29')
IES Classification: Type III - Short
BUG Rating: B2 - U3 - G2

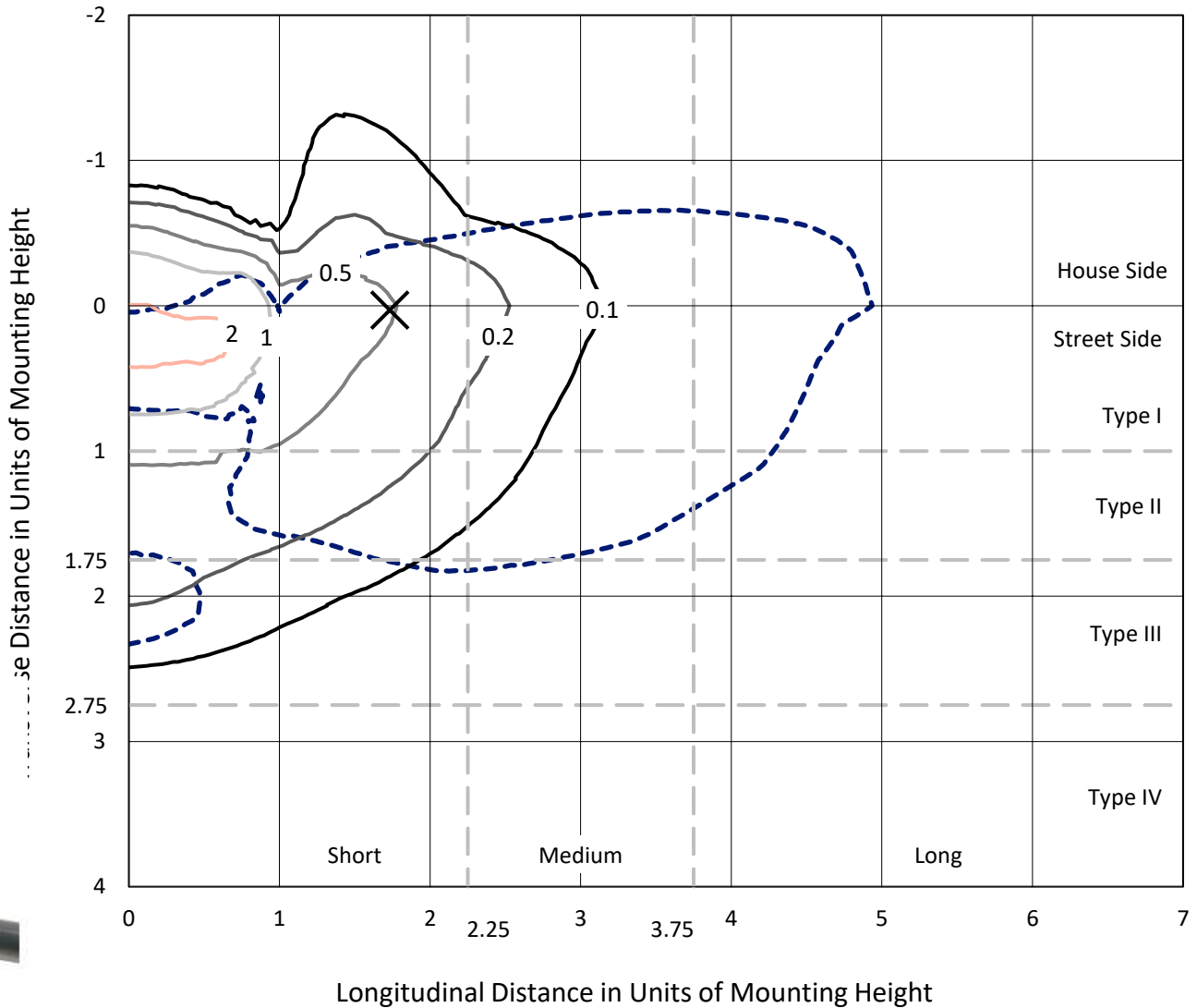
Input Watts (W): 50.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

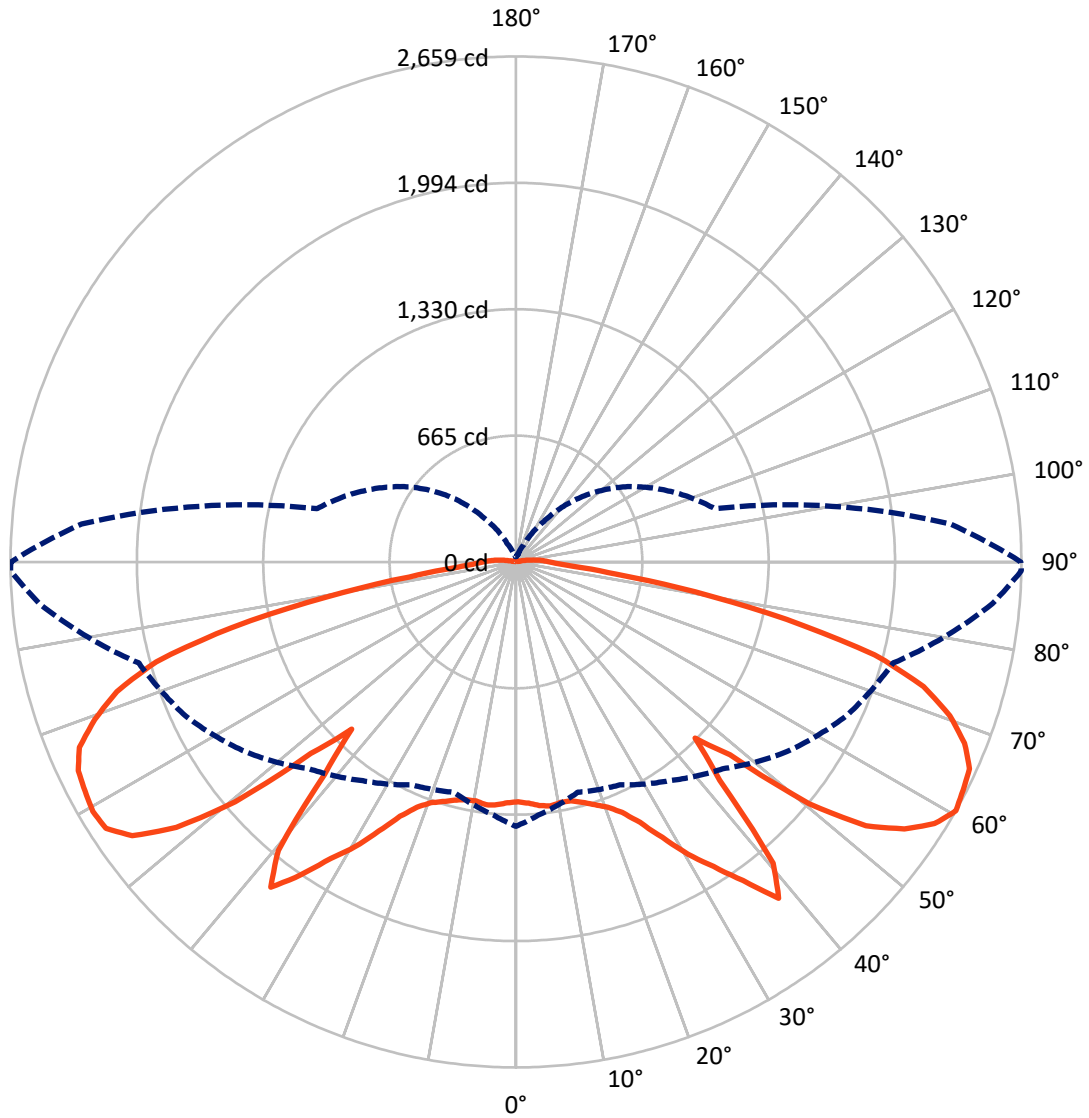
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.3 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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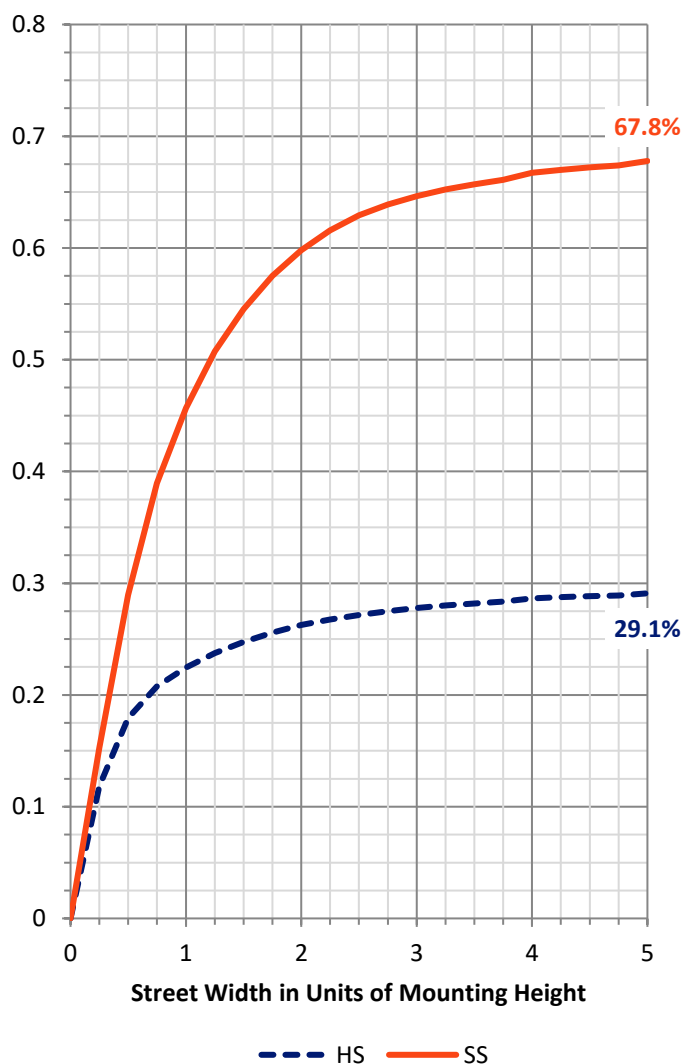
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1727.7	32.4	1760.2
	% Fixture	29.7	0.6	30.2
Street Side	Lumens	3997.3	62.5	4059.8
	% Fixture	68.7	1.1	69.8
Total	Lumens	5725.0	94.9	5820.0
	% Fixture	98.4	1.6	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	121.3	2.1
10°-20°	358.0	6.2
20°-30°	590.9	10.2
30°-40°	801.5	13.8
40°-50°	667.6	11.5
50°-60°	924.5	15.9
60°-70°	1139.5	19.6
70°-80°	862.8	14.8
80°-90°	258.9	4.4
90°-100°	67.1	1.2
100°-110°	15.3	0.3
110°-120°	7.2	0.1
120°-130°	4.9	0.1
130°-140°	0.5	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°	5725.0	98.4
0°-180°	5820.0	100.0

Coefficient of Utilization

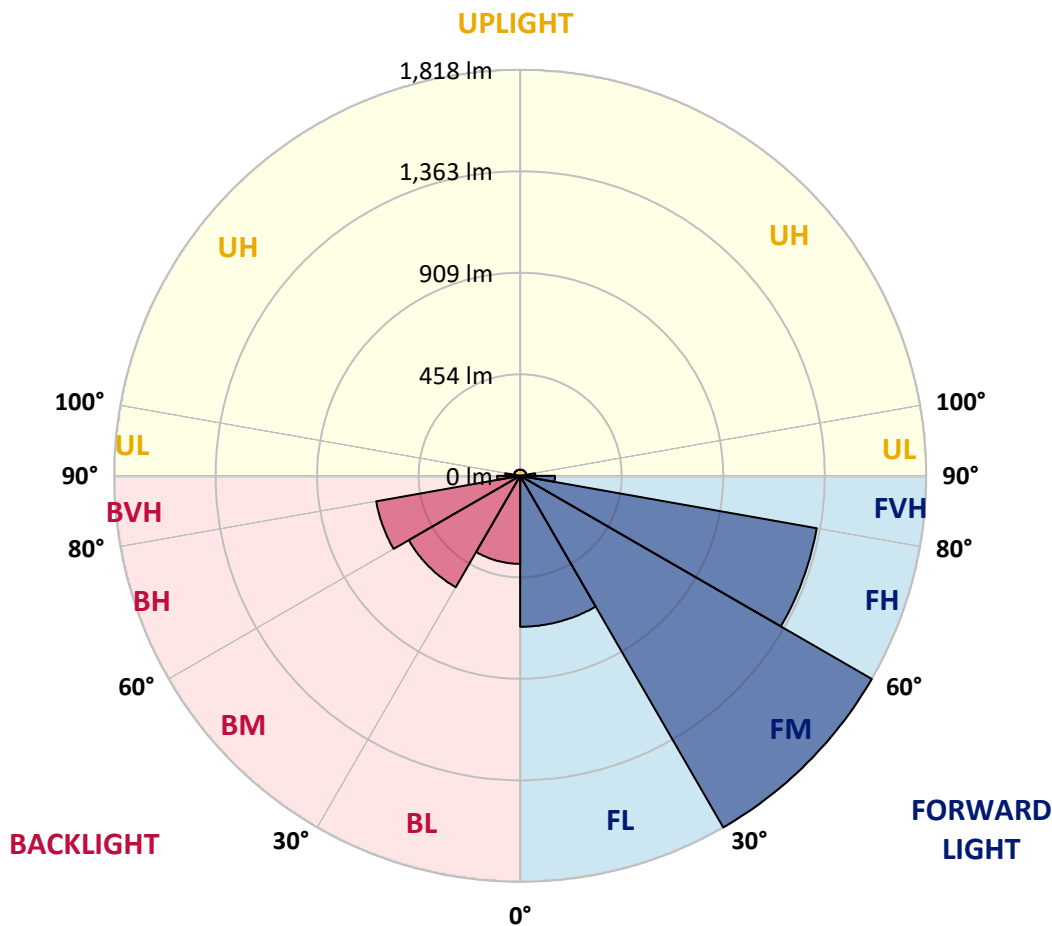


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	676.0	11.6			
FM (30°-60°)	1817.6	31.2			
FH (60°-80°)	1347.9	23.2			G1/1800
FVH (80°-90°)	155.7	2.7			G2/225
BL (0°-30°)	394.1	6.8	B1/500		
BM (30°-60°)	576.0	9.9	B1/1000		
BH (60°-80°)	654.4	11.2	B2/1000		G2/1000
BVH (80°-90°)	103.2	1.8			G2/225
UL (90°-100°)	67.1	1.2		U3/500	
UH (100°-180°)	27.9	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°	1261.4	1261.4	1261.4	1261.4	1261.4	1261.4	1261.4	1261.4	1261.4	1261.4	1261.4
2.5°	1323.8	1316.9	1316.9	1316.9	1303.0	1303.0	1293.8	1289.1	1279.9	1273.0	1270.7
5°	1400.0	1395.4	1395.4	1393.1	1379.2	1370.0	1351.5	1335.4	1321.5	1298.4	1286.8
7.5°	1460.1	1453.2	1453.2	1450.9	1437.0	1425.5	1404.7	1367.7	1340.0	1314.6	1296.1
10°	1480.9	1478.6	1476.3	1469.4	1457.8	1448.6	1430.1	1395.4	1351.5	1309.9	1286.8
12.5°	1520.2	1520.2	1513.2	1504.0	1494.8	1485.5	1460.1	1432.4	1383.9	1319.2	1289.1
15°	1571.0	1566.4	1561.8	1557.1	1550.2	1536.4	1513.2	1478.6	1423.1	1344.6	1312.3
17.5°	1591.8	1589.5	1589.5	1591.8	1589.5	1580.2	1575.6	1536.4	1478.6	1379.2	1342.3
20°	1596.4	1598.7	1603.3	1619.5	1624.1	1619.5	1626.5	1603.3	1536.4	1425.5	1376.9
22.5°	1624.1	1628.8	1638.0	1654.2	1661.1	1668.0	1675.0	1693.5	1626.5	1497.1	1430.1
25°	1612.6	1617.2	1644.9	1670.3	1695.8	1716.6	1760.4	1802.0	1753.5	1603.3	1517.9
27.5°	1582.6	1591.8	1640.3	1691.1	1753.5	1809.0	1889.8	1940.7	1901.4	1737.3	1640.3
30°	1608.0	1608.0	1640.3	1714.2	1795.1	1919.9	2026.1	2083.9	2056.2	1866.7	1783.6
32.5°	1554.8	1568.7	1635.7	1746.6	1871.3	2030.8	2134.7	2236.4	2245.6	2040.0	1910.6
35°	1390.8	1413.9	1469.4	1617.2	1809.0	2086.2	2268.7	2405.0	2448.9	2247.9	2058.5
37.5°	1145.9	1162.1	1259.1	1407.0	1635.7	1901.4	2194.8	2504.4	2626.8	2381.9	2245.6
40°	1014.2	1025.8	1083.5	1206.0	1416.2	1672.7	1903.7	2201.7	2268.7	2174.0	2083.9
42.5°	970.3	988.8	1060.4	1173.6	1344.6	1524.8	1561.8	1672.7	1638.0	1649.6	1571.0
45°	1030.4	1037.3	1090.5	1189.8	1293.8	1342.3	1293.8	1370.0	1407.0	1400.0	1321.5
47.5°	1060.4	1072.0	1129.7	1256.8	1256.8	1259.1	1319.2	1365.4	1471.7	1571.0	1515.6
50°	910.3	926.4	1032.7	1134.4	1150.5	1342.3	1499.4	1589.5	1700.4	1966.1	1998.4
52.5°	857.1	868.7	984.2	1187.5	1305.3	1501.7	1598.7	1681.9	1776.6	2215.6	2305.7
55°	938.0	958.8	1095.1	1305.3	1434.7	1552.5	1677.3	1797.4	1899.1	2412.0	2479.0
57.5°	1083.5	1122.8	1206.0	1323.8	1446.2	1552.5	1718.9	1866.7	2000.7	2488.2	2596.8
60°	1390.8	1337.7	1254.5	1293.8	1404.7	1538.7	1739.7	1917.6	2053.9	2515.9	2659.2
62.5°	1534.0	1494.8	1291.5	1238.3	1335.4	1490.1	1700.4	1917.6	2035.4	2462.8	2640.7
65°	1483.2	1450.9	1305.3	1173.6	1249.9	1423.1	1640.3	1889.8	1993.8	2395.8	2622.2
67.5°	1263.7	1231.4	1185.2	1136.7	1169.0	1356.1	1584.9	1839.0	1947.6	2340.3	2546.0
70°	1028.1	1009.6	993.4	1030.4	1090.5	1254.5	1474.0	1725.8	1855.2	2206.3	2421.2
72.5°	875.6	864.1	836.3	873.3	968.0	1118.2	1307.6	1559.5	1714.2	1979.9	2243.3
75°	743.9	737.0	727.7	746.2	806.3	947.2	1097.4	1344.6	1531.7	1728.1	1949.9
77.5°	603.0	593.7	614.5	619.2	665.4	767.0	864.1	1069.7	1277.6	1356.1	1455.5
80°	439.0	448.2	482.9	469.0	503.6	538.3	607.6	697.7	861.7	949.5	956.5
82.5°	307.3	316.5	348.9	314.2	323.4	325.8	351.2	383.5	450.5	524.4	533.7
85°	217.2	221.8	228.7	203.3	203.3	203.3	219.5	238.0	272.6	302.6	309.6
87.5°	154.8	154.8	164.0	154.8	152.5	150.2	159.4	166.3	187.1	207.9	212.5
90°	115.5	115.5	120.1	115.5	115.5	115.5	124.8	131.7	150.2	168.7	171.0
92.5°	83.2	83.2	90.1	87.8	87.8	90.1	99.3	104.0	120.1	138.6	140.9
95°	64.7	64.7	69.3	67.0	67.0	71.6	78.6	83.2	94.7	104.0	106.3
97.5°	46.2	46.2	48.5	48.5	48.5	48.5	53.1	60.1	73.9	73.9	71.6
100°	32.3	32.3	34.7	32.3	32.3	34.7	34.7	39.3	46.2	43.9	43.9
102.5°	23.1	23.1	23.1	23.1	23.1	20.8	20.8	23.1	25.4	23.1	23.1
105°	16.2	16.2	16.2	16.2	16.2	16.2	16.2	16.2	16.2	16.2	13.9
107.5°	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	11.6	11.6
110°	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	9.2



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	89°
112.5°	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	9.2	9.2
115°	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	9.2	9.2
117.5°	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2
120°	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2
122.5°	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2
125°	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	9.2	9.2	6.9
127.5°	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9
130°	6.9	4.6	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	4.6
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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1261.4	1261.4	1261.4	1261.4	1261.4	1261.4	1261.4	1261.4	1261.4	1261.4	1261.4
2.5°	1268.4	1263.7	1249.9	1233.7	1219.8	1208.3	1196.7	1187.5	1185.2	1180.6	1185.2
5°	1284.5	1268.4	1236.0	1215.2	1196.7	1178.3	1159.8	1150.5	1143.6	1139.0	1139.0
7.5°	1291.5	1268.4	1231.4	1203.7	1164.4	1125.1	1102.0	1083.5	1076.6	1083.5	1083.5
10°	1279.9	1252.2	1208.3	1166.7	1113.6	1081.2	1048.9	1032.7	1023.5	1023.5	1016.5
12.5°	1284.5	1252.2	1187.5	1125.1	1081.2	1023.5	984.2	965.7	951.8	956.5	956.5
15°	1303.0	1259.1	1169.0	1106.6	1030.4	984.2	935.7	924.1	921.8	914.9	910.3
17.5°	1330.7	1266.0	1164.4	1065.0	986.5	931.1	884.8	864.1	852.5	845.6	843.3
20°	1360.8	1275.3	1150.5	1025.8	940.3	868.7	813.2	785.5	776.3	776.3	771.6
22.5°	1411.6	1307.6	1139.0	1007.3	877.9	806.3	750.8	711.6	693.1	690.8	688.5
25°	1494.8	1370.0	1150.5	965.7	840.9	734.7	672.3	637.6	616.9	609.9	609.9
27.5°	1621.8	1455.5	1166.7	942.6	764.7	667.7	598.4	545.2	515.2	517.5	519.8
30°	1758.1	1582.6	1212.9	905.6	716.2	573.0	489.8	448.2	420.5	411.2	406.6
32.5°	1869.0	1714.2	1279.9	875.6	626.1	457.4	385.8	355.8	325.8	300.3	291.1
35°	2040.0	1825.1	1337.7	831.7	552.2	374.3	311.9	265.7	240.3	228.7	224.1
37.5°	2194.8	1933.7	1381.6	822.5	448.2	321.1	247.2	198.7	173.3	171.0	171.0
40°	2007.7	1797.4	1349.2	748.5	353.5	249.5	177.9	140.9	122.4	113.2	113.2
42.5°	1536.4	1376.9	1028.1	623.8	254.1	168.7	113.2	106.3	104.0	94.7	94.7
45°	1286.8	1016.5	623.8	325.8	120.1	92.4	80.9	80.9	83.2	90.1	90.1
47.5°	1545.6	1201.4	459.7	233.3	117.8	80.9	71.6	64.7	60.1	57.8	57.8
50°	2000.7	1709.6	586.8	277.2	140.9	83.2	64.7	57.8	55.4	53.1	48.5
52.5°	2333.4	2003.0	774.0	422.8	226.4	106.3	64.7	48.5	37.0	32.3	30.0
55°	2534.4	2259.5	912.6	607.6	367.3	177.9	80.9	43.9	32.3	27.7	25.4
57.5°	2643.0	2289.5	1028.1	774.0	540.6	316.5	140.9	53.1	32.3	25.4	25.4
60°	2656.8	2294.1	1083.5	884.8	688.5	480.5	268.0	104.0	41.6	30.0	27.7
62.5°	2645.3	2254.9	1097.4	928.7	778.6	614.5	422.8	205.6	64.7	34.7	32.3
65°	2624.5	2257.2	1035.0	889.5	778.6	658.4	489.8	270.3	92.4	39.3	37.0
67.5°	2555.2	2250.2	1000.4	804.0	704.6	589.1	439.0	251.8	106.3	48.5	46.2
70°	2414.3	2167.1	979.6	769.3	660.7	524.4	369.6	201.0	120.1	83.2	90.1
72.5°	2254.9	2016.9	958.8	739.3	644.6	522.1	372.0	217.2	161.7	136.3	145.5
75°	2016.9	1755.8	921.8	709.3	635.3	538.3	376.6	205.6	152.5	122.4	120.1
77.5°	1552.5	1460.1	840.9	635.3	577.6	496.7	321.1	157.1	113.2	85.5	83.2
80°	1014.2	1002.7	656.1	512.9	487.5	439.0	268.0	122.4	90.1	69.3	64.7
82.5°	573.0	549.9	408.9	323.4	344.2	355.8	217.2	92.4	69.3	55.4	50.8
85°	325.8	330.4	238.0	175.6	177.9	210.2	140.9	64.7	43.9	32.3	30.0
87.5°	224.1	231.0	154.8	117.8	106.3	99.3	73.9	39.3	25.4	16.2	11.6
90°	182.5	182.5	115.5	85.5	73.9	64.7	41.6	23.1	18.5	9.2	6.9
92.5°	147.9	154.8	97.0	69.3	57.8	50.8	32.3	16.2	11.6	6.9	4.6
95°	110.9	117.8	78.6	57.8	46.2	39.3	27.7	13.9	9.2	4.6	4.6
97.5°	76.2	76.2	55.4	43.9	37.0	30.0	20.8	11.6	6.9	4.6	4.6
100°	43.9	46.2	32.3	27.7	25.4	23.1	13.9	9.2	4.6	2.3	2.3
102.5°	23.1	23.1	16.2	16.2	13.9	13.9	11.6	6.9	4.6	2.3	2.3
105°	13.9	13.9	11.6	11.6	9.2	9.2	6.9	4.6	2.3	0.0	2.3
107.5°	11.6	11.6	9.2	9.2	6.9	6.9	4.6	4.6	2.3	0.0	0.0
110°	9.2	9.2	6.9	6.9	6.9	4.6	4.6	2.3	2.3	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	9.2	9.2	6.9	6.9	4.6	4.6	4.6	2.3	2.3	0.0	0.0
115°	9.2	6.9	6.9	4.6	4.6	4.6	2.3	2.3	0.0	0.0	0.0
117.5°	9.2	6.9	4.6	4.6	4.6	2.3	2.3	2.3	0.0	0.0	0.0
120°	9.2	6.9	4.6	4.6	4.6	4.6	2.3	2.3	0.0	0.0	0.0
122.5°	9.2	6.9	4.6	4.6	4.6	2.3	2.3	2.3	0.0	0.0	0.0
125°	6.9	6.9	4.6	4.6	2.3	2.3	2.3	2.3	0.0	0.0	0.0
127.5°	6.9	6.9	4.6	4.6	2.3	2.3	2.3	2.3	0.0	0.0	0.0
130°	6.9	6.9	4.6	4.6	2.3	2.3	2.3	2.3	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)