

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: P691871

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

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691871
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-1)
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
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 2700K LED WITH TYPE II OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8541.9 lumens
Efficiency: N/A
Efficacy: 121.7 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.08')
IES Classification: Type II - Short
BUG Rating: B2 - U3 - G2

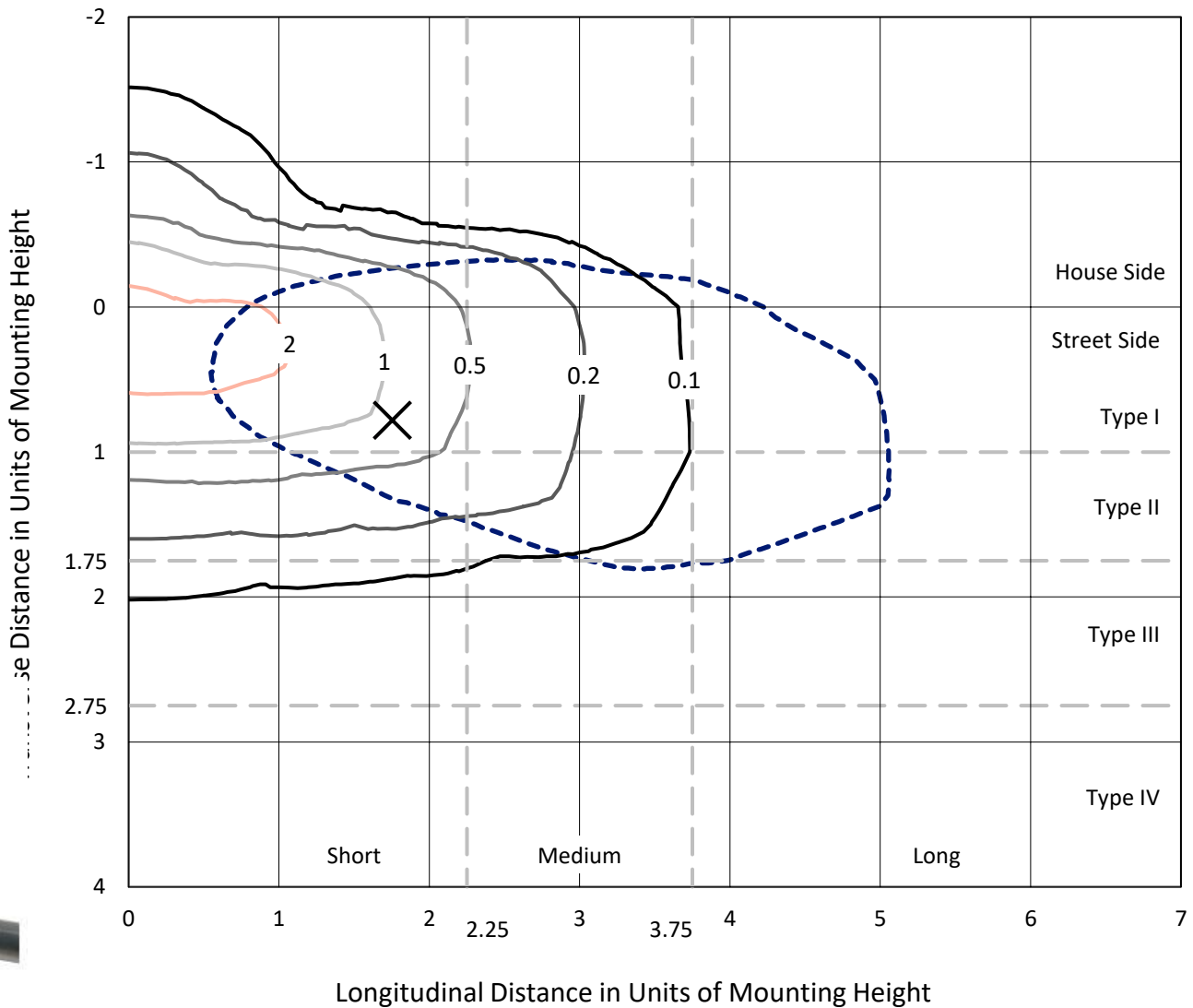
Input Watts (W): 70.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

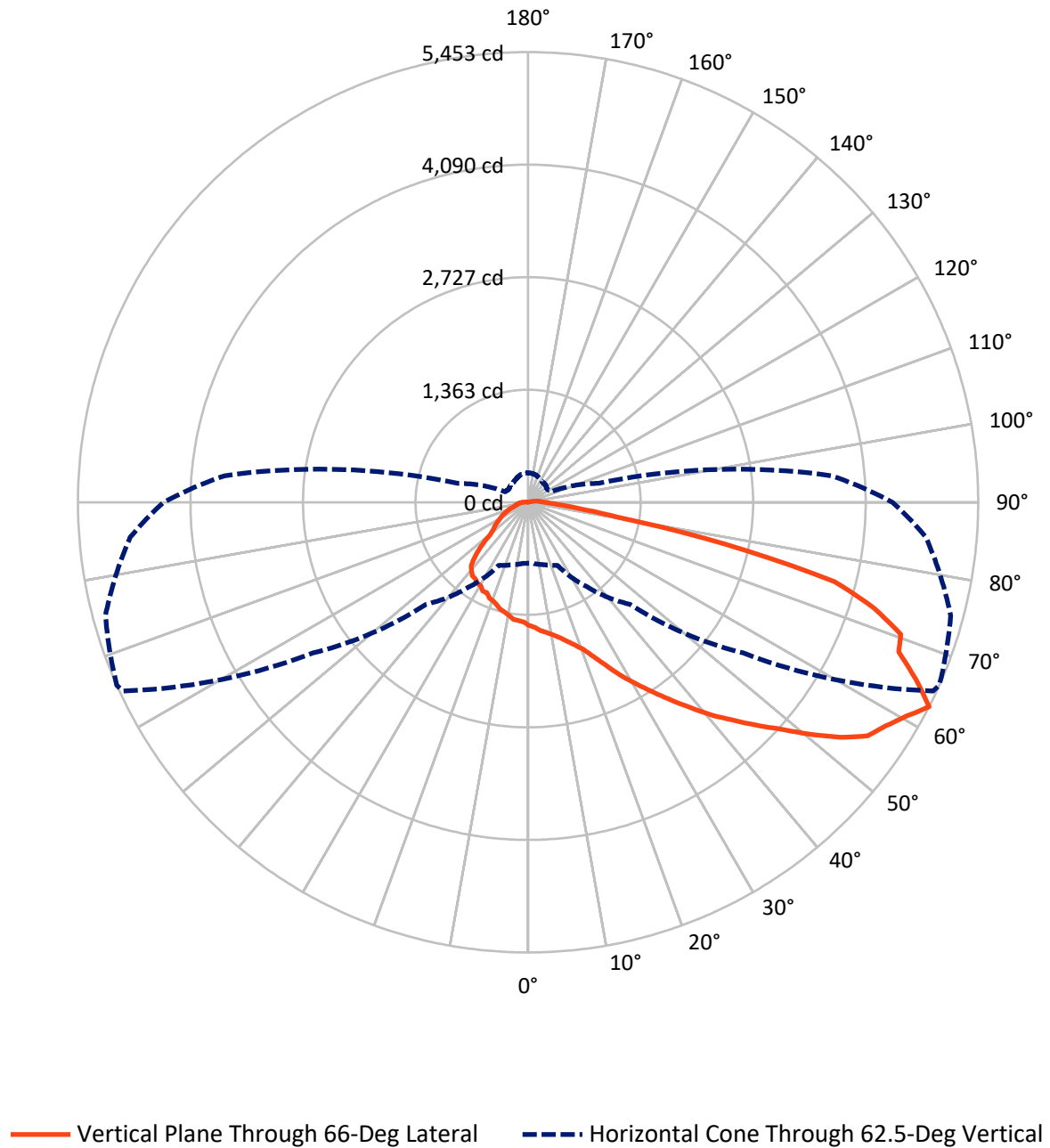
✕ Max cd
 --- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.7 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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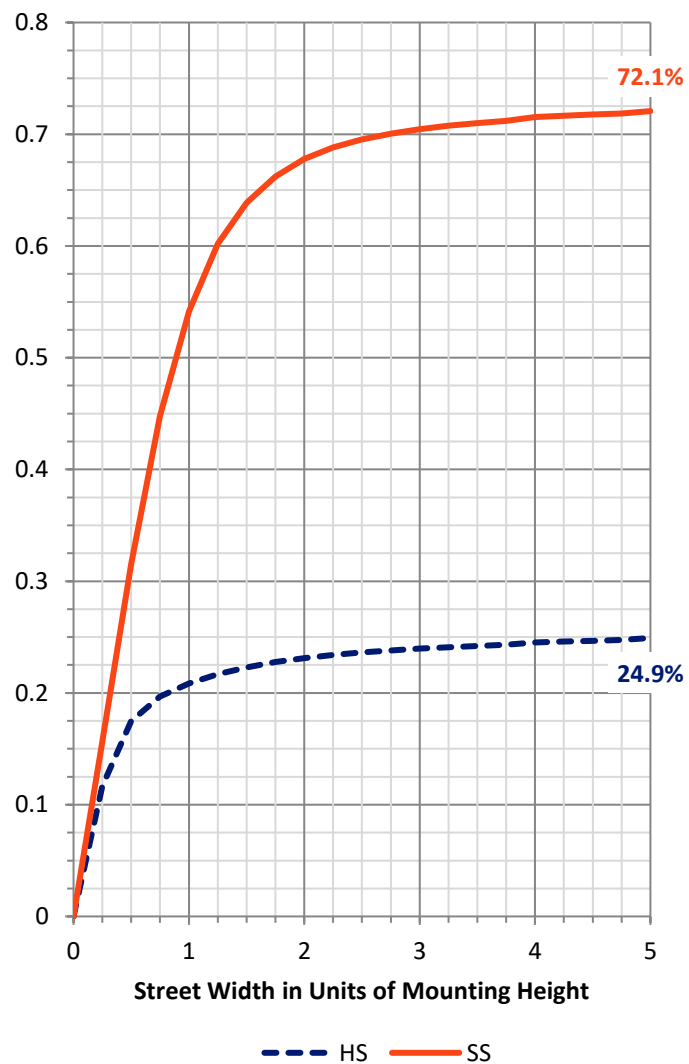
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2223.4	61.4	2284.8
	% Fixture	26.0	0.7	26.7
Street Side	Lumens	6196.4	60.8	6257.2
	% Fixture	72.5	0.7	73.3
Total	Lumens	8419.8	122.2	8541.9
	% Fixture	98.6	1.4	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	143.5	1.7
10°-20°	429.5	5.0
20°-30°	726.8	8.5
30°-40°	1063.3	12.4
40°-50°	1389.8	16.3
50°-60°	1617.2	18.9
60°-70°	1617.9	18.9
70°-80°	1116.4	13.1
80°-90°	315.5	3.7
90°-100°	104.0	1.2
100°-110°	14.2	0.2
110°-120°	0.8	0.0
120°-130°	0.8	0.0
130°-140°	0.8	0.0
140°-150°	0.7	0.0
150°-160°	0.5	0.0
160°-170°	0.2	0.0
170°-180°	0.1	0.0
0°-90°	8419.8	98.6
0°-180°	8541.9	100.0

Coefficient of Utilization



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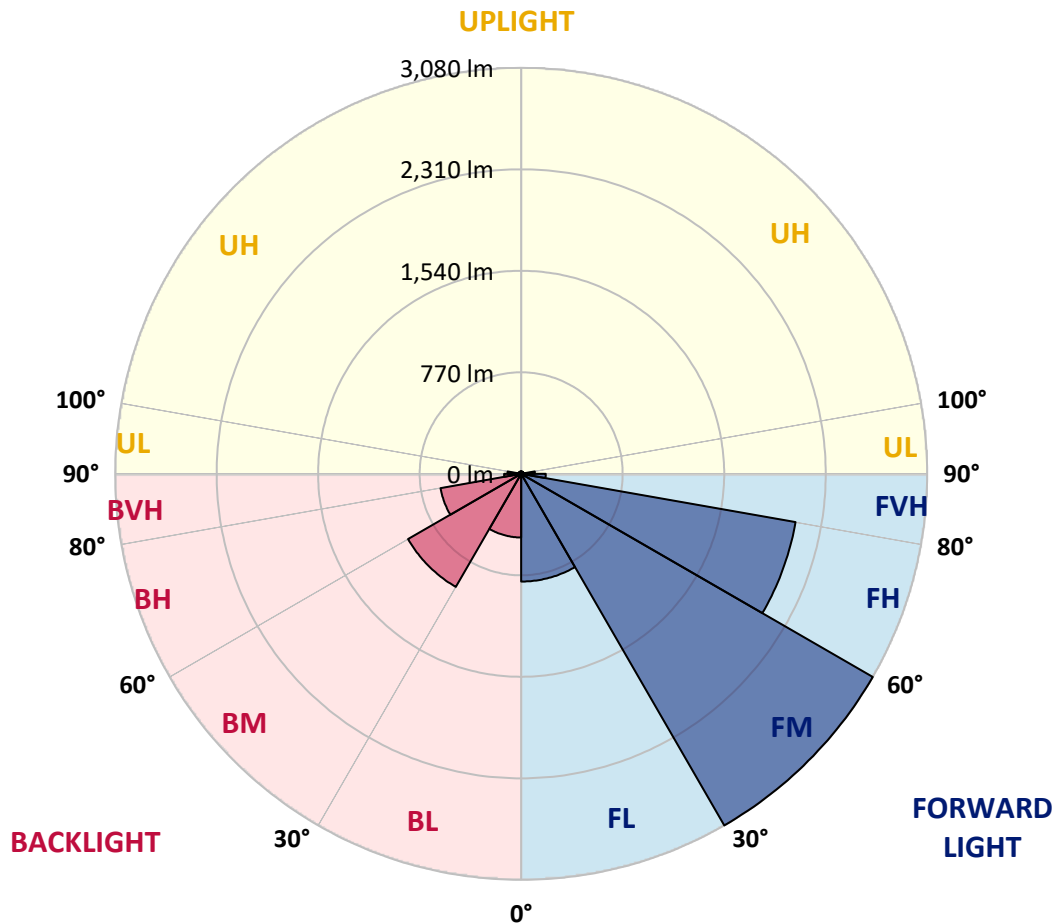
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	817.1	9.6			
FM	(30°-60°)	3079.6	36.1			
FH	(60°-80°)	2113.2	24.7			G2/5000
FVH	(80°-90°)	186.4	2.2			G2/225
BL	(0°-30°)	482.5	5.6	B1/500		
BM	(30°-60°)	990.6	11.6	B1/1000		
BH	(60°-80°)	621.0	7.3	B2/1000		G2/1000
BVH	(80°-90°)	129.2	1.5			G2/225
UL	(90°-100°)	104.0	1.2		U3/500	
UH	(100°-180°)	18.2	0.2		U2/50	

BUG Rating: B2-U3-G2

Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	1492.4	1492.4	1492.4	1492.4	1492.4	1492.4	1492.4	1492.4	1492.4	1492.4	1492.4
2.5°	1569.0	1566.2	1566.2	1552.0	1537.8	1535.0	1526.5	1515.1	1515.1	1506.6	1492.4
5°	1662.7	1659.8	1662.7	1642.8	1623.0	1605.9	1577.6	1563.4	1560.5	1540.7	1512.3
7.5°	1727.9	1725.1	1722.3	1705.2	1696.7	1679.7	1640.0	1597.4	1591.7	1571.9	1535.0
10°	1753.5	1756.3	1770.5	1742.1	1725.1	1710.9	1688.2	1637.1	1631.5	1586.1	1529.3
12.5°	1821.6	1824.4	1815.9	1781.8	1776.2	1764.8	1727.9	1685.4	1679.7	1623.0	1543.5
15°	1892.5	1892.5	1881.2	1861.3	1847.1	1835.8	1790.4	1745.0	1742.1	1674.0	1580.4
17.5°	1923.7	1929.4	1932.2	1906.7	1901.0	1898.2	1875.5	1818.7	1813.1	1747.8	1631.5
20°	1943.6	1946.4	1949.3	1946.4	1949.3	1946.4	1957.8	1912.4	1898.2	1830.1	1688.2
22.5°	1983.3	1989.0	2008.8	2008.8	2017.3	2037.2	2028.7	2034.4	2028.7	1946.4	1784.7
25°	2003.2	2011.7	2037.2	2068.4	2105.3	2128.0	2159.2	2181.9	2184.8	2111.0	1932.2
27.5°	1972.0	1991.8	2057.1	2105.3	2190.4	2250.0	2323.8	2360.7	2366.3	2295.4	2091.1
30°	2011.7	2011.7	2051.4	2119.5	2224.5	2363.5	2477.0	2533.7	2539.4	2485.5	2250.0
32.5°	1937.9	1954.9	2045.7	2176.2	2326.6	2485.5	2596.2	2706.8	2721.0	2704.0	2477.0
35°	1929.4	1937.9	1994.6	2130.8	2332.3	2599.0	2752.2	2896.9	2925.3	2931.0	2695.5
37.5°	1849.9	1861.3	1966.3	2136.5	2411.7	2678.4	2874.2	3112.6	3138.1	3177.8	2885.6
40°	1750.6	1767.7	1852.8	2042.9	2389.0	2772.1	3004.7	3339.5	3376.4	3424.7	3135.3
42.5°	1620.1	1651.3	1796.0	2000.3	2377.7	2803.3	3129.6	3566.5	3600.6	3651.7	3345.2
45°	1509.5	1518.0	1634.3	1847.1	2286.9	2845.9	3245.9	3821.9	3844.6	3870.1	3515.5
47.5°	1410.2	1427.2	1526.5	1725.1	2190.4	2837.3	3348.1	4063.1	4102.8	4179.4	3722.6
50°	1115.1	1154.8	1435.7	1620.1	2042.9	2811.8	3433.2	4346.8	4412.1	4440.4	3958.1
52.5°	964.7	976.0	1117.9	1518.0	1878.3	2726.7	3507.0	4656.1	4729.8	4664.6	4241.8
55°	890.9	902.3	967.5	1310.9	1750.6	2553.6	3563.7	4948.3	4993.7	4840.5	4451.8
57.5°	851.2	859.7	893.8	1061.2	1594.6	2278.4	3569.4	5093.0	5110.0	4979.5	4559.6
60°	783.1	791.6	851.2	925.0	1421.5	1986.1	3470.1	5175.3	5263.3	5149.8	4766.7
62.5°	737.7	743.4	783.1	842.7	1254.1	1747.8	3180.7	5410.8	5453.4	5300.1	4837.7
65°	681.0	686.6	723.5	777.4	1146.3	1614.4	3055.8	5314.3	5158.3	5263.3	4931.3
67.5°	615.7	624.2	658.3	703.7	967.5	1483.9	2695.5	4954.0	4843.3	5076.0	4687.3
70°	556.1	561.8	598.7	624.2	794.5	1313.7	2238.7	4673.1	4789.4	4786.6	4466.0
72.5°	490.9	496.5	527.7	550.4	663.9	1112.2	1776.2	4349.6	4383.7	4261.7	3952.4
75°	422.8	425.6	454.0	476.7	544.8	890.9	1296.7	3597.7	3833.2	4074.4	3419.0
77.5°	340.5	349.0	371.7	383.0	437.0	712.2	845.5	2130.8	2434.4	3583.6	3055.8
80°	255.4	255.4	272.4	278.1	323.5	530.6	533.4	1027.1	1103.7	2278.4	2269.9
82.5°	161.7	170.2	187.3	184.4	218.5	303.6	337.6	570.3	612.9	902.3	1007.3
85°	130.5	133.4	144.7	136.2	144.7	164.6	190.1	360.3	374.5	550.4	547.6
87.5°	107.8	110.7	119.2	113.5	116.3	124.8	147.5	241.2	246.8	354.7	366.0
90°	82.3	85.1	96.5	93.6	90.8	102.1	122.0	184.4	192.9	280.9	300.8
92.5°	53.9	53.9	62.4	62.4	62.4	73.8	107.8	141.9	147.5	255.4	269.5
95°	39.7	39.7	42.6	45.4	42.6	53.9	79.4	127.7	139.0	238.3	232.7
97.5°	25.5	25.5	28.4	31.2	28.4	34.0	45.4	90.8	102.1	184.4	181.6
100°	17.0	17.0	17.0	17.0	17.0	17.0	25.5	59.6	68.1	116.3	113.5
102.5°	11.3	11.3	11.3	11.3	8.5	8.5	11.3	28.4	31.2	62.4	59.6
105°	2.8	2.8	5.7	5.7	5.7	2.8	2.8	11.3	14.2	25.5	25.5
107.5°	0.0	0.0	0.0	2.8	0.0	0.0	0.0	0.0	0.0	2.8	2.8
110°	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):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	2.8
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8
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	2.8	0.0	0.0	0.0	0.0	0.0	0.0	2.8
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8
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	2.8	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	2.8	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°	1492.4	1492.4	1492.4	1492.4	1492.4	1492.4	1492.4	1492.4	1492.4	1492.4	1492.4
2.5°	1486.8	1478.3	1464.1	1449.9	1441.4	1432.9	1418.7	1407.3	1407.3	1421.5	1421.5
5°	1492.4	1475.4	1447.0	1435.7	1421.5	1401.6	1378.9	1361.9	1353.4	1364.8	1367.6
7.5°	1506.6	1481.1	1452.7	1427.2	1378.9	1342.1	1322.2	1299.5	1296.7	1308.0	1313.7
10°	1495.3	1469.7	1435.7	1387.5	1336.4	1308.0	1271.1	1242.8	1242.8	1234.2	1239.9
12.5°	1506.6	1472.6	1404.5	1353.4	1308.0	1245.6	1200.2	1171.8	1169.0	1177.5	1177.5
15°	1535.0	1483.9	1396.0	1333.5	1259.8	1197.4	1152.0	1120.7	1129.3	1112.2	1115.1
17.5°	1569.0	1492.4	1396.0	1288.2	1205.9	1146.3	1083.9	1047.0	1049.8	1052.7	1055.5
20°	1611.6	1515.1	1381.8	1254.1	1154.8	1069.7	998.7	970.4	961.9	967.5	970.4
22.5°	1676.9	1566.2	1376.1	1237.1	1083.9	1001.6	939.2	882.4	876.7	876.7	876.7
25°	1784.7	1642.8	1401.6	1180.3	1047.0	922.1	851.2	797.3	771.8	774.6	777.4
27.5°	1949.3	1764.8	1427.2	1183.2	961.9	851.2	763.2	703.7	689.5	692.3	695.1
30°	2122.3	1929.4	1492.4	1126.4	913.6	743.4	652.6	610.0	593.0	584.5	587.3
32.5°	2255.7	2074.1	1583.2	1109.4	825.7	627.1	570.3	536.3	513.6	505.0	505.0
35°	2468.5	2216.0	1657.0	1066.8	734.9	553.3	507.9	471.0	459.6	454.0	454.0
37.5°	2650.1	2372.0	1733.6	1049.8	624.2	496.5	439.8	417.1	417.1	411.4	408.6
40°	2845.9	2536.6	1776.2	998.7	539.1	437.0	380.2	377.4	385.9	385.9	385.9
42.5°	3081.4	2706.8	1821.6	939.2	473.8	368.9	337.6	360.3	380.2	385.9	385.9
45°	3257.3	2814.6	1841.4	811.5	408.6	320.6	332.0	354.7	380.2	388.7	385.9
47.5°	3407.6	2970.7	1813.1	655.4	351.8	312.1	326.3	346.2	377.4	388.7	388.7
50°	3558.0	3104.0	1793.2	473.8	329.1	312.1	326.3	334.8	368.9	383.0	383.0
52.5°	3779.3	3209.0	1713.8	397.2	312.1	314.9	332.0	332.0	363.2	380.2	388.7
55°	4063.1	3450.2	1563.4	371.7	306.4	312.1	334.8	334.8	357.5	374.5	380.2
57.5°	4179.4	3535.3	1305.2	349.0	300.8	312.1	326.3	332.0	360.3	371.7	368.9
60°	4332.6	3674.4	1069.7	326.3	289.4	306.4	314.9	334.8	357.5	360.3	357.5
62.5°	4414.9	3691.4	885.2	303.6	280.9	297.9	300.8	323.5	346.2	354.7	357.5
65°	4460.3	3674.4	655.4	280.9	272.4	286.6	289.4	309.3	332.0	337.6	340.5
67.5°	4295.7	3558.0	454.0	258.2	263.9	272.4	278.1	297.9	314.9	332.0	337.6
70°	4000.6	3220.4	323.5	229.8	249.7	258.2	269.5	289.4	306.4	329.1	334.8
72.5°	3674.4	2593.3	238.3	195.8	229.8	241.2	261.0	275.2	300.8	329.1	337.6
75°	3367.9	2275.5	190.1	167.4	195.8	221.3	246.8	266.7	303.6	402.9	417.1
77.5°	2389.0	1537.8	170.2	147.5	167.4	192.9	227.0	261.0	422.8	479.5	482.3
80°	1733.6	905.1	153.2	130.5	144.7	156.1	207.1	320.6	468.2	442.6	442.6
82.5°	868.2	485.2	144.7	116.3	124.8	127.7	184.4	408.6	377.4	394.4	397.2
85°	419.9	235.5	119.2	102.1	107.8	105.0	173.1	388.7	357.5	360.3	354.7
87.5°	263.9	144.7	93.6	85.1	88.0	85.1	164.6	371.7	374.5	306.4	312.1
90°	238.3	170.2	73.8	68.1	59.6	70.9	147.5	346.2	366.0	221.3	184.4
92.5°	229.8	184.4	53.9	48.2	42.6	56.7	110.7	280.9	224.1	93.6	56.7
95°	204.3	161.7	45.4	34.0	39.7	48.2	70.9	187.3	150.4	0.0	0.0
97.5°	153.2	119.2	36.9	22.7	127.7	42.6	39.7	122.0	42.6	0.0	0.0
100°	96.5	73.8	28.4	17.0	144.7	28.4	25.5	70.9	0.0	0.0	0.0
102.5°	53.9	39.7	14.2	11.3	62.4	14.2	17.0	17.0	0.0	0.0	0.0
105°	22.7	19.9	5.7	5.7	5.7	2.8	8.5	0.0	0.0	0.0	0.0
107.5°	5.7	8.5	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0
110°	2.8	2.8	2.8	2.8	2.8	2.8	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°
112.5°	2.8	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0
115°	2.8	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0
117.5°	2.8	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0
120°	2.8	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0
122.5°	2.8	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0
125°	2.8	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0
127.5°	2.8	2.8	2.8	5.7	2.8	2.8	0.0	0.0	0.0	0.0	0.0
130°	2.8	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0
132.5°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0
135°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0
137.5°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0
140°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0
142.5°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0
145°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0
147.5°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0
150°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0
152.5°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0
155°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0
157.5°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0
160°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0
162.5°	2.8	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0
165°	2.8	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0
167.5°	2.8	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0
170°	0.0	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0
175°	0.0	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	2.8	2.8	2.8	2.8	2.8	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)