

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: P690843

Luminaire Tested: **CRTK2-C01-5TLD-U-T2-7040**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P690843
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-C01-5TLD-U-T2-7040
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 4000K LED WITH TYPE II OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8674 lumens
Efficiency: N/A
Efficacy: 144.6 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): 60
Input Voltage (V): NR
Input Current (A_{in}): 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

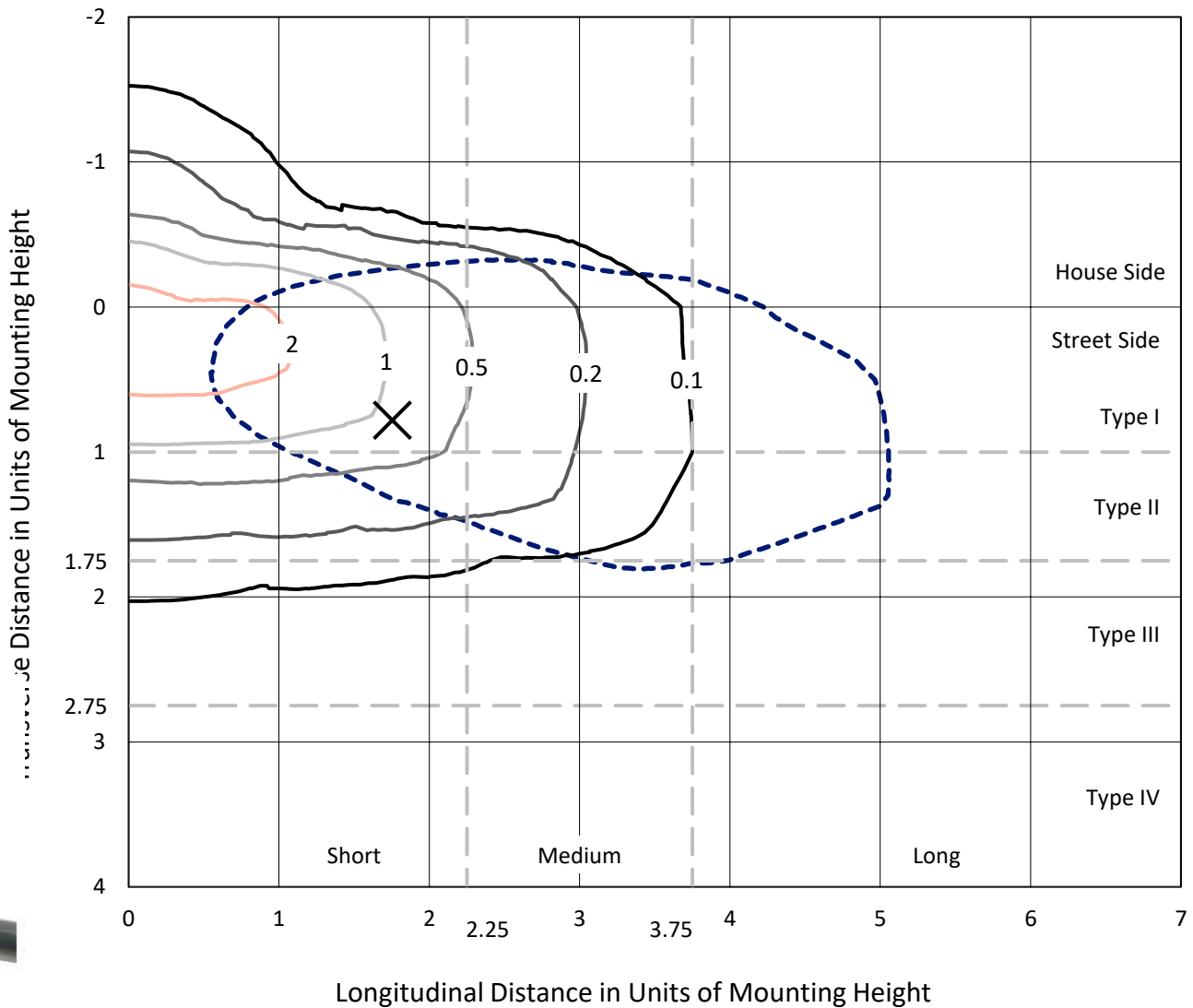


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Iso-Footcandle Lines of Horizontal Illumination

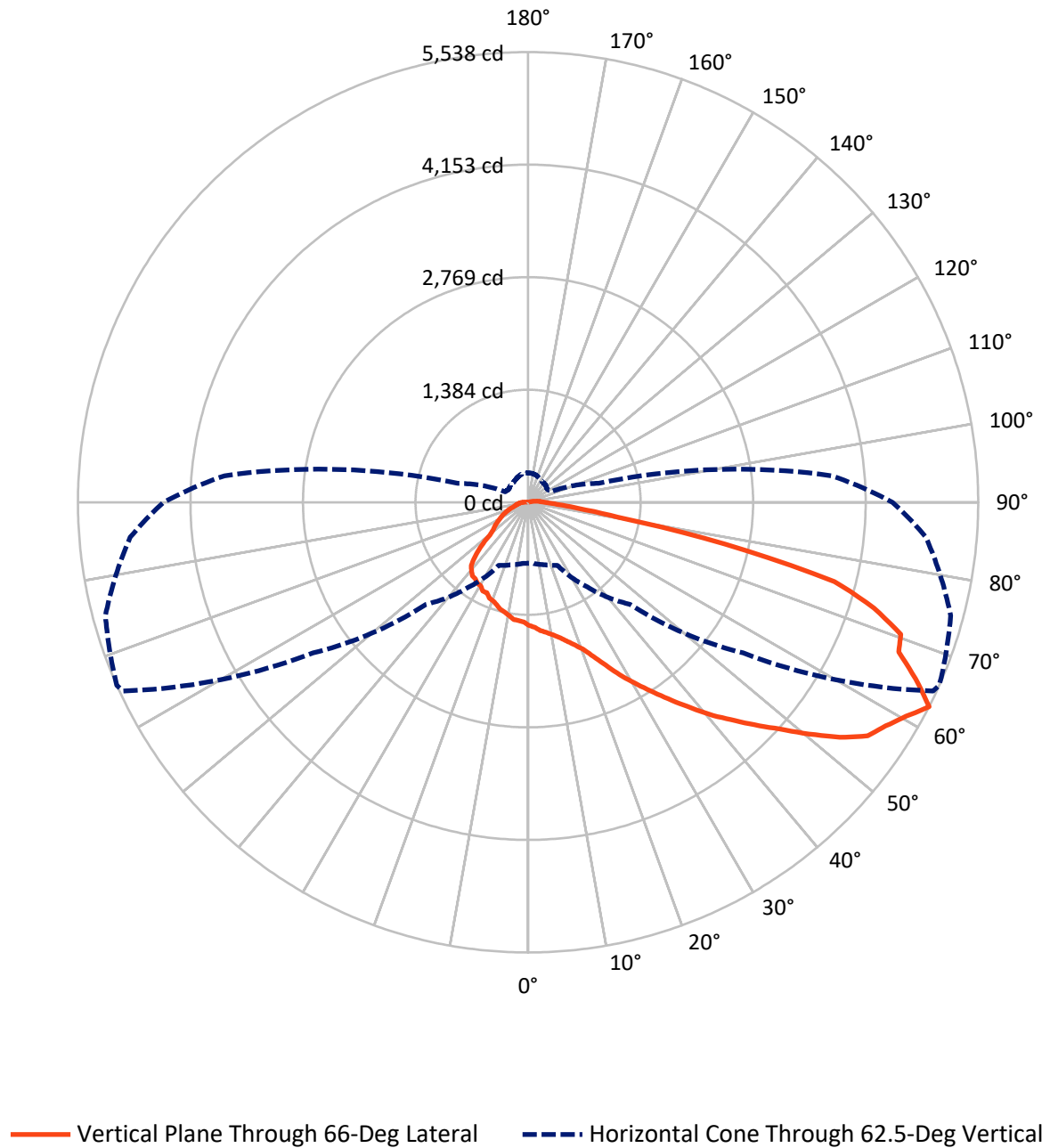
✕ Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



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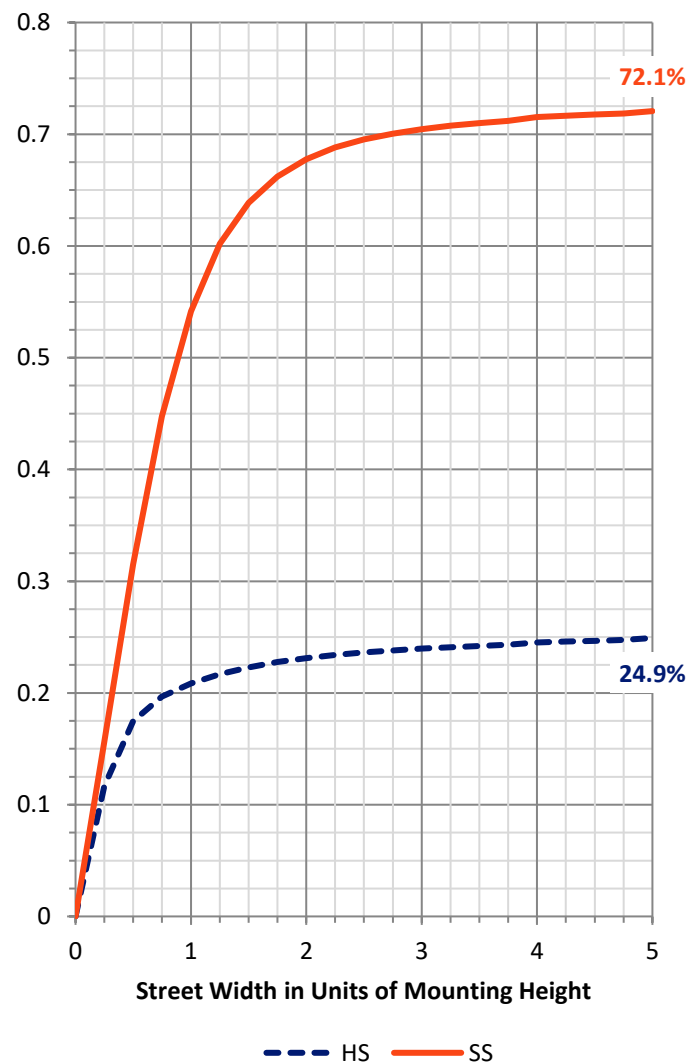
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2257.7	62.4	2320.2
	% Fixture	26.0	0.7	26.7
Street Side	Lumens	6292.1	61.7	6353.9
	% Fixture	72.5	0.7	73.3
Total	Lumens	8549.9	124.1	8674.0
	% Fixture	98.6	1.4	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	145.7	1.7
10°-20°	436.1	5.0
20°-30°	738.0	8.5
30°-40°	1079.7	12.4
40°-50°	1411.3	16.3
50°-60°	1642.2	18.9
60°-70°	1642.9	18.9
70°-80°	1133.6	13.1
80°-90°	320.4	3.7
90°-100°	105.6	1.2
100°-110°	14.5	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°	0.3	0.0
170°-180°	0.1	0.0
0°-90°	8549.9	98.6
0°-180°	8674.0	100.0

Coefficient of Utilization



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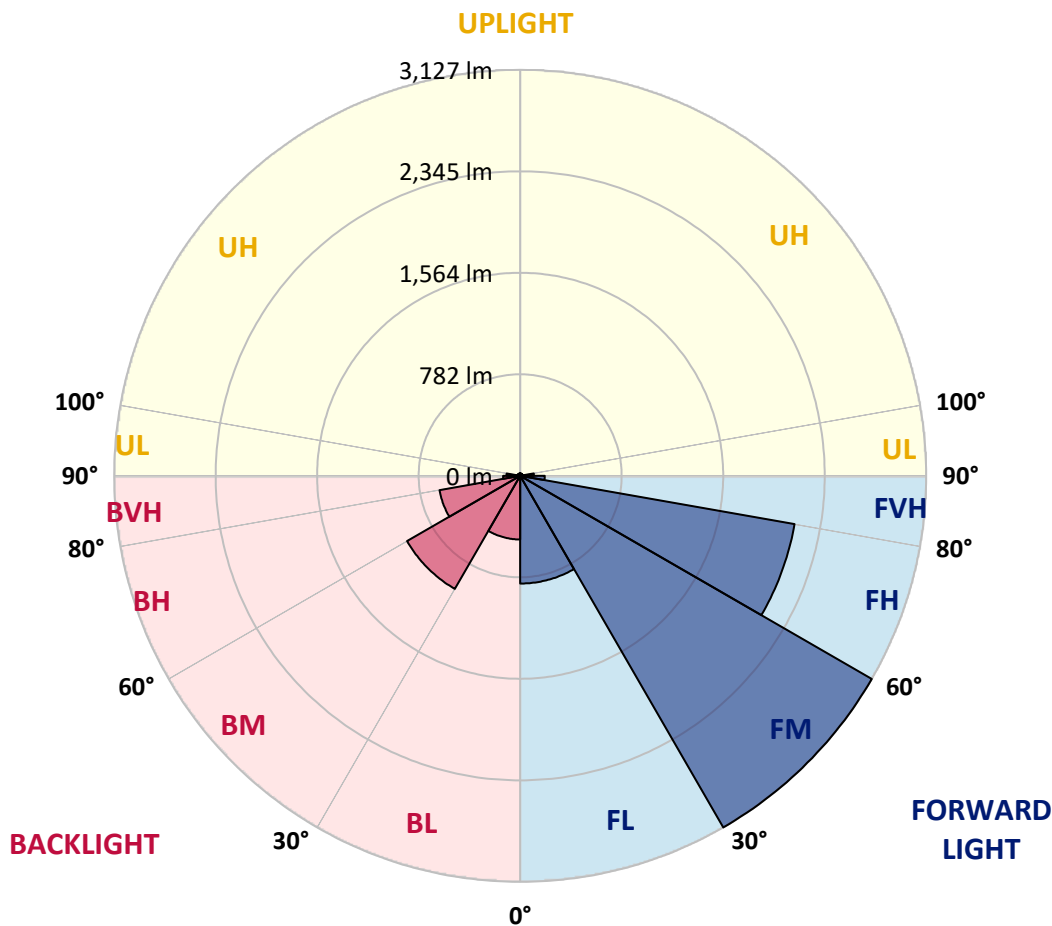
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	829.8	9.6			
FM	(30°-60°)	3127.2	36.1			
FH	(60°-80°)	2145.9	24.7			G2/5000
FVH	(80°-90°)	189.2	2.2			G2/225
BL	(0°-30°)	490.0	5.6	B1/500		
BM	(30°-60°)	1005.9	11.6	B2/2500		
BH	(60°-80°)	630.6	7.3	B2/1000		G2/1000
BVH	(80°-90°)	131.2	1.5			G2/225
UL	(90°-100°)	105.6	1.2		U3/500	
UH	(100°-180°)	18.5	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°	1515.5	1515.5	1515.5	1515.5	1515.5	1515.5	1515.5	1515.5	1515.5	1515.5	1515.5
2.5°	1593.3	1590.4	1590.4	1576.0	1561.6	1558.7	1550.1	1538.6	1538.6	1529.9	1515.5
5°	1688.4	1685.5	1688.4	1668.2	1648.0	1630.8	1601.9	1587.5	1584.7	1564.5	1535.7
7.5°	1754.6	1751.8	1748.9	1731.6	1722.9	1705.7	1665.3	1622.1	1616.3	1596.2	1558.7
10°	1780.6	1783.5	1797.9	1769.0	1751.8	1737.4	1714.3	1662.4	1656.7	1610.6	1553.0
12.5°	1849.7	1852.6	1844.0	1809.4	1803.6	1792.1	1754.6	1711.4	1705.7	1648.0	1567.4
15°	1921.8	1921.8	1910.2	1890.1	1875.7	1864.1	1818.0	1771.9	1769.0	1699.9	1604.8
17.5°	1953.4	1959.2	1962.1	1936.2	1930.4	1927.5	1904.5	1846.8	1841.1	1774.8	1656.7
20°	1973.6	1976.5	1979.4	1976.5	1979.4	1976.5	1988.0	1941.9	1927.5	1858.4	1714.3
22.5°	2013.9	2019.7	2039.9	2039.9	2048.5	2068.7	2060.0	2065.8	2060.0	1976.5	1812.3
25°	2034.1	2042.8	2068.7	2100.4	2137.8	2160.9	2192.6	2215.6	2218.5	2143.6	1962.1
27.5°	2002.4	2022.6	2088.9	2137.8	2224.3	2284.8	2359.7	2397.1	2402.9	2330.9	2123.4
30°	2042.8	2042.8	2083.1	2152.2	2258.8	2400.0	2515.3	2572.9	2578.7	2523.9	2284.8
32.5°	1967.8	1985.1	2077.3	2209.9	2362.6	2523.9	2636.3	2748.7	2763.1	2745.8	2515.3
35°	1959.2	1967.8	2025.5	2163.8	2368.3	2639.2	2794.7	2941.7	2970.5	2976.3	2737.1
37.5°	1878.5	1890.1	1996.7	2169.5	2449.0	2719.8	2918.6	3160.7	3186.6	3226.9	2930.2
40°	1777.7	1795.0	1881.4	2074.5	2426.0	2814.9	3051.2	3391.2	3428.6	3477.6	3183.7
42.5°	1645.2	1676.8	1823.8	2031.2	2414.4	2846.6	3177.9	3621.6	3656.2	3708.1	3396.9
45°	1532.8	1541.4	1659.6	1875.7	2322.2	2889.8	3296.1	3881.0	3904.0	3929.9	3569.8
47.5°	1431.9	1449.2	1550.1	1751.8	2224.3	2881.2	3399.8	4125.9	4166.2	4244.0	3780.1
50°	1132.3	1172.6	1457.9	1645.2	2074.5	2855.3	3486.2	4414.0	4480.2	4509.1	4019.3
52.5°	979.6	991.1	1135.2	1541.4	1907.3	2768.8	3561.1	4728.0	4802.9	4736.7	4307.4
55°	904.7	916.2	982.5	1331.1	1777.7	2593.1	3618.8	5024.8	5070.9	4915.3	4520.6
57.5°	864.4	873.0	907.6	1077.6	1619.2	2313.6	3624.5	5171.7	5189.0	5056.5	4630.1
60°	795.2	803.9	864.4	939.3	1443.5	2016.8	3523.7	5255.3	5344.6	5229.4	4840.4
62.5°	749.1	754.9	795.2	855.7	1273.5	1774.8	3229.8	5494.4	5537.6	5382.1	4912.4
65°	691.5	697.2	734.7	789.4	1164.0	1639.4	3103.0	5396.5	5238.0	5344.6	5007.5
67.5°	625.2	633.9	668.4	714.5	982.5	1506.9	2737.1	5030.5	4918.2	5154.4	4759.7
70°	564.7	570.5	607.9	633.9	806.7	1334.0	2273.3	4745.3	4863.4	4860.6	4535.0
72.5°	498.4	504.2	535.9	558.9	674.2	1129.4	1803.6	4416.9	4451.4	4327.5	4013.5
75°	429.3	432.2	461.0	484.0	553.2	904.7	1316.7	3653.3	3892.5	4137.4	3471.8
77.5°	345.7	354.4	377.4	389.0	443.7	723.2	858.6	2163.8	2472.1	3638.9	3103.0
80°	259.3	259.3	276.6	282.4	328.5	538.8	541.7	1043.0	1120.8	2313.6	2304.9
82.5°	164.2	172.9	190.2	187.3	221.9	308.3	342.9	579.1	622.3	916.2	1022.8
85°	132.5	135.4	146.9	138.3	146.9	167.1	193.0	365.9	380.3	558.9	556.1
87.5°	109.5	112.4	121.0	115.2	118.1	126.8	149.8	244.9	250.7	360.1	371.7
90°	83.6	86.4	98.0	95.1	92.2	103.7	123.9	187.3	195.9	285.2	305.4
92.5°	54.7	54.7	63.4	63.4	63.4	74.9	109.5	144.1	149.8	259.3	273.7
95°	40.3	40.3	43.2	46.1	43.2	54.7	80.7	129.7	141.2	242.0	236.3
97.5°	25.9	25.9	28.8	31.7	28.8	34.6	46.1	92.2	103.7	187.3	184.4
100°	17.3	17.3	17.3	17.3	17.3	17.3	25.9	60.5	69.1	118.1	115.2
102.5°	11.5	11.5	11.5	11.5	8.6	8.6	11.5	28.8	31.7	63.4	60.5
105°	2.9	2.9	5.8	5.8	5.8	2.9	2.9	11.5	14.4	25.9	25.9
107.5°	0.0	0.0	0.0	2.9	0.0	0.0	0.0	0.0	0.0	2.9	2.9
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	2.9
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	2.9
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9
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	2.9	0.0	0.0	0.0	0.0	0.0	0.0	2.9
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9
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	2.9	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	2.9	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°	1515.5	1515.5	1515.5	1515.5	1515.5	1515.5	1515.5	1515.5	1515.5	1515.5	1515.5
2.5°	1509.7	1501.1	1486.7	1472.3	1463.6	1455.0	1440.6	1429.1	1429.1	1443.5	1443.5
5°	1515.5	1498.2	1469.4	1457.9	1443.5	1423.3	1400.3	1383.0	1374.3	1385.8	1388.7
7.5°	1529.9	1504.0	1475.2	1449.2	1400.3	1362.8	1342.6	1319.6	1316.7	1328.2	1334.0
10°	1518.4	1492.5	1457.9	1408.9	1357.0	1328.2	1290.8	1262.0	1262.0	1253.3	1259.1
12.5°	1529.9	1495.3	1426.2	1374.3	1328.2	1264.8	1218.7	1189.9	1187.0	1195.7	1195.7
15°	1558.7	1506.9	1417.5	1354.2	1279.2	1215.9	1169.8	1138.1	1146.7	1129.4	1132.3
17.5°	1593.3	1515.5	1417.5	1308.1	1224.5	1164.0	1100.6	1063.2	1066.0	1068.9	1071.8
20°	1636.5	1538.6	1403.1	1273.5	1172.6	1086.2	1014.2	985.4	976.7	982.5	985.4
22.5°	1702.8	1590.4	1397.4	1256.2	1100.6	1017.1	953.7	896.0	890.3	890.3	890.3
25°	1812.3	1668.2	1423.3	1198.6	1063.2	936.4	864.4	809.6	783.7	786.6	789.4
27.5°	1979.4	1792.1	1449.2	1201.5	976.7	864.4	775.0	714.5	700.1	703.0	705.9
30°	2155.1	1959.2	1515.5	1143.8	927.7	754.9	662.7	619.5	602.2	593.5	596.4
32.5°	2290.5	2106.1	1607.7	1126.5	838.4	636.7	579.1	544.5	521.5	512.9	512.9
35°	2506.6	2250.2	1682.6	1083.3	746.2	561.8	515.7	478.3	466.8	461.0	461.0
37.5°	2691.0	2408.7	1760.4	1066.0	633.9	504.2	446.6	423.5	423.5	417.8	414.9
40°	2889.8	2575.8	1803.6	1014.2	547.4	443.7	386.1	383.2	391.8	391.8	391.8
42.5°	3129.0	2748.7	1849.7	953.7	481.2	374.6	342.9	365.9	386.1	391.8	391.8
45°	3307.6	2858.1	1869.9	824.0	414.9	325.6	337.1	360.1	386.1	394.7	391.8
47.5°	3460.3	3016.6	1841.1	665.6	357.3	316.9	331.3	351.5	383.2	394.7	394.7
50°	3613.0	3152.0	1820.9	481.2	334.2	316.9	331.3	340.0	374.6	389.0	389.0
52.5°	3837.7	3258.6	1740.2	403.4	316.9	319.8	337.1	337.1	368.8	386.1	394.7
55°	4125.9	3503.5	1587.5	377.4	311.2	316.9	340.0	340.0	363.0	380.3	386.1
57.5°	4244.0	3590.0	1325.3	354.4	305.4	316.9	331.3	337.1	365.9	377.4	374.6
60°	4399.6	3731.1	1086.2	331.3	293.9	311.2	319.8	340.0	363.0	365.9	363.0
62.5°	4483.1	3748.4	898.9	308.3	285.2	302.5	305.4	328.5	351.5	360.1	363.0
65°	4529.2	3731.1	665.6	285.2	276.6	291.0	293.9	314.0	337.1	342.9	345.7
67.5°	4362.1	3613.0	461.0	262.2	268.0	276.6	282.4	302.5	319.8	337.1	342.9
70°	4062.5	3270.1	328.5	233.4	253.5	262.2	273.7	293.9	311.2	334.2	340.0
72.5°	3731.1	2633.4	242.0	198.8	233.4	244.9	265.1	279.5	305.4	334.2	342.9
75°	3420.0	2310.7	193.0	170.0	198.8	224.7	250.7	270.8	308.3	409.1	423.5
77.5°	2426.0	1561.6	172.9	149.8	170.0	195.9	230.5	265.1	429.3	486.9	489.8
80°	1760.4	919.1	155.6	132.5	146.9	158.5	210.3	325.6	475.4	449.5	449.5
82.5°	881.6	492.7	146.9	118.1	126.8	129.7	187.3	414.9	383.2	400.5	403.4
85°	426.4	239.1	121.0	103.7	109.5	106.6	175.8	394.7	363.0	365.9	360.1
87.5°	268.0	146.9	95.1	86.4	89.3	86.4	167.1	377.4	380.3	311.2	316.9
90°	242.0	172.9	74.9	69.1	60.5	72.0	149.8	351.5	371.7	224.7	187.3
92.5°	233.4	187.3	54.7	49.0	43.2	57.6	112.4	285.2	227.6	95.1	57.6
95°	207.4	164.2	46.1	34.6	40.3	49.0	72.0	190.2	152.7	0.0	0.0
97.5°	155.6	121.0	37.5	23.0	129.7	43.2	40.3	123.9	43.2	0.0	0.0
100°	98.0	74.9	28.8	17.3	146.9	28.8	25.9	72.0	0.0	0.0	0.0
102.5°	54.7	40.3	14.4	11.5	63.4	14.4	17.3	17.3	0.0	0.0	0.0
105°	23.0	20.2	5.8	5.8	5.8	2.9	8.6	0.0	0.0	0.0	0.0
107.5°	5.8	8.6	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0
110°	2.9	2.9	2.9	2.9	2.9	2.9	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°	2.9	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0
115°	2.9	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0
117.5°	2.9	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0
120°	2.9	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0
122.5°	2.9	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0
125°	2.9	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0
127.5°	2.9	2.9	2.9	5.8	2.9	2.9	0.0	0.0	0.0	0.0	0.0
130°	2.9	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0
132.5°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0
135°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0
137.5°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0
140°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0
142.5°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0
145°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0
147.5°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0
150°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0
152.5°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0
155°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0
157.5°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0
160°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0
162.5°	2.9	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0
165°	2.9	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0
167.5°	2.9	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0
170°	0.0	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0
175°	0.0	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	2.9	2.9	2.9	2.9	2.9	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)