

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: P691435

Luminaire Tested: **CRTK2-C016-5TLD-U-T3-7050**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691435
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-9)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C016-5TLD-U-T3-7050
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 5000K LED WITH TYPE III OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6351 lumens
Efficiency: N/A
Efficacy: 148.4 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.08')
IES Classification: Type III - Medium
BUG Rating: B1 - U3 - G2

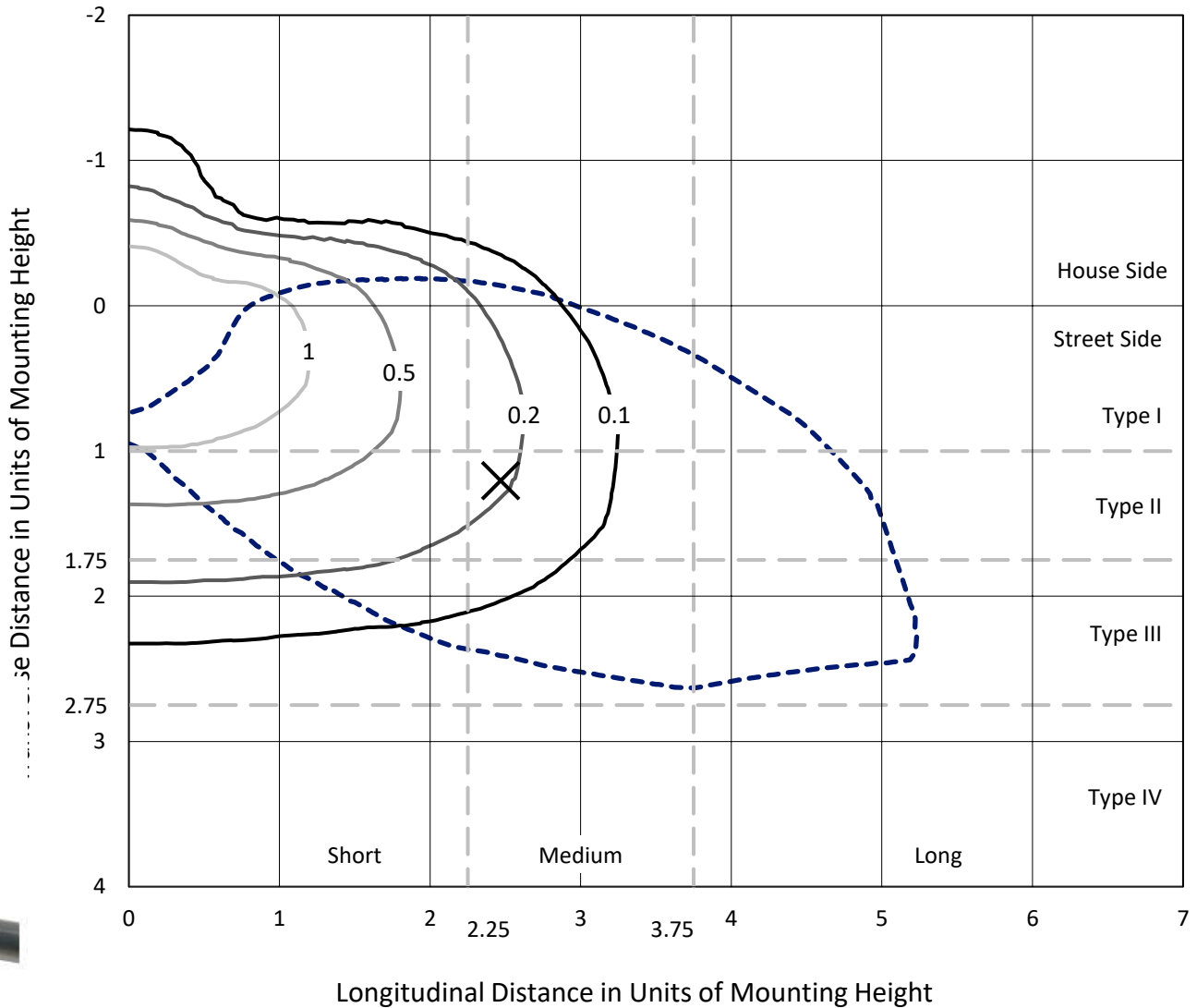
Input Watts (W): 42.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

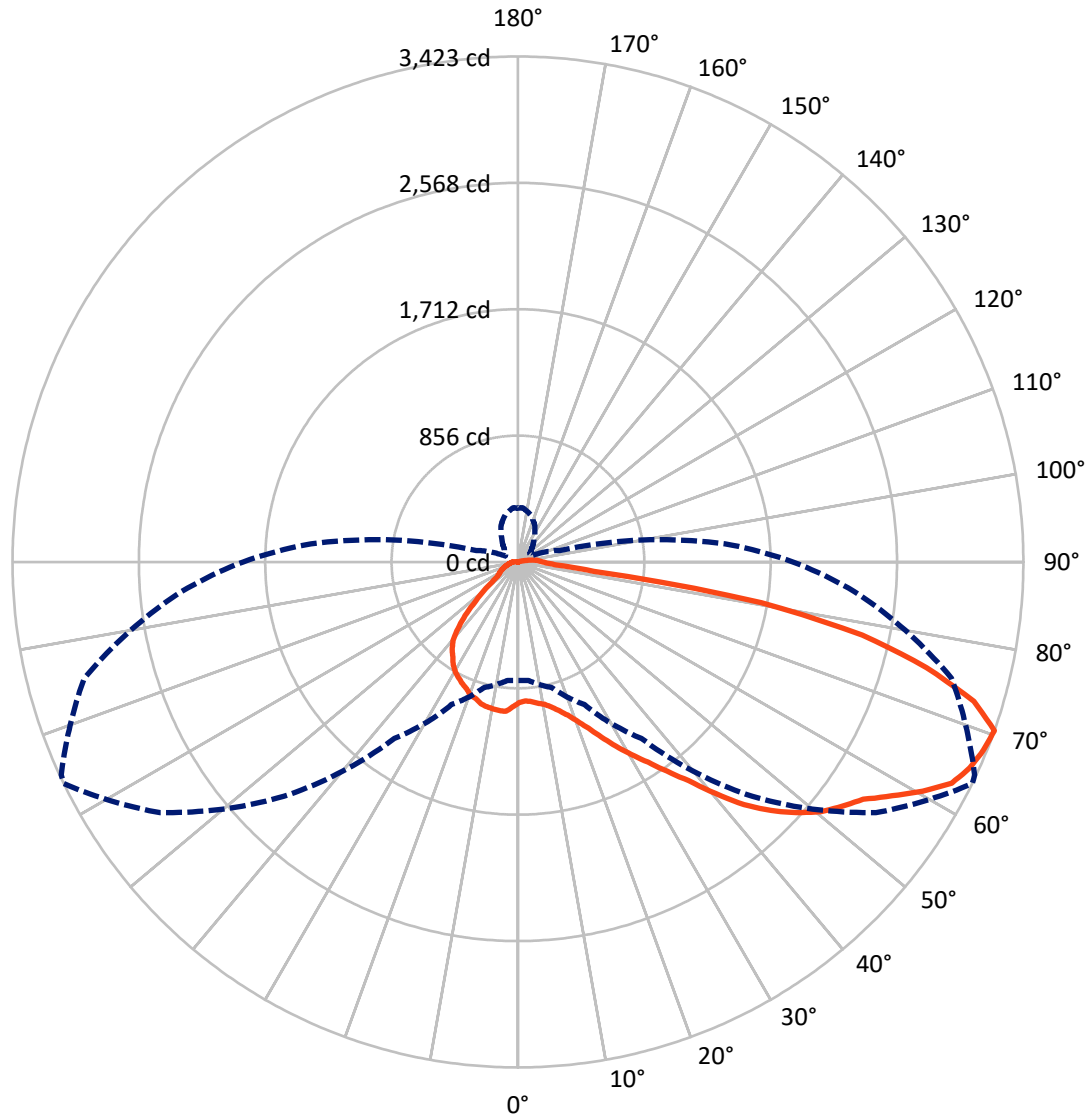
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.7 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 64-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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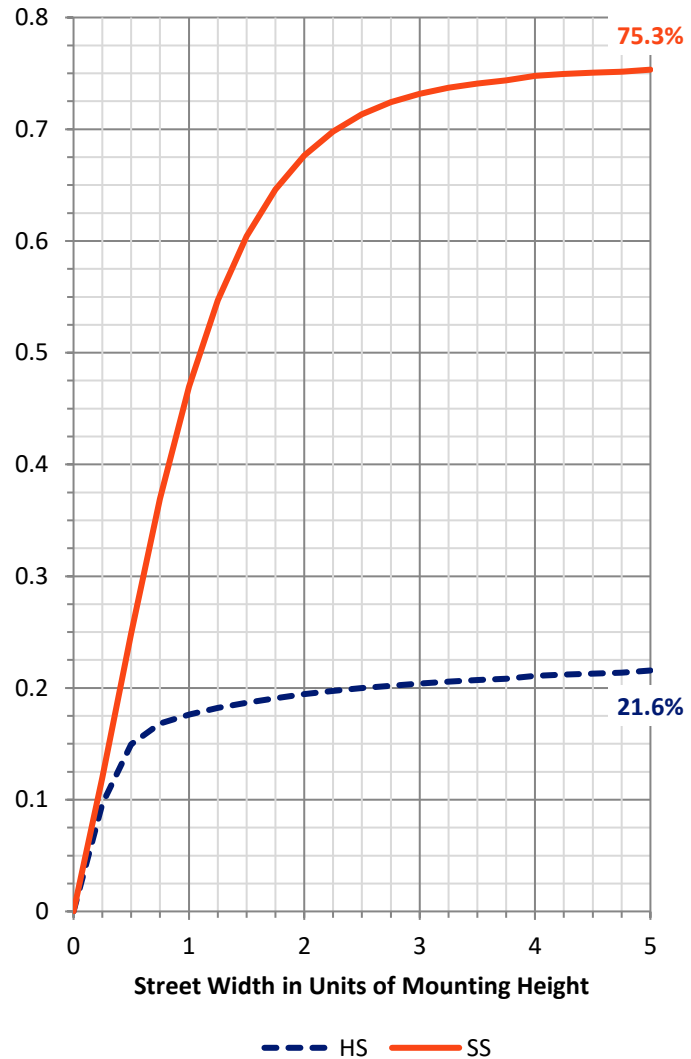
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1447.8	39.2	1487.1
	% Fixture	22.8	0.6	23.4
Street Side	Lumens	4813.3	50.7	4863.9
	% Fixture	75.8	0.8	76.6
Total	Lumens	6261.1	89.9	6351.0
	% Fixture	98.6	1.4	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	95.0	1.5
10°-20°	295.7	4.7
20°-30°	513.0	8.1
30°-40°	744.4	11.7
40°-50°	999.0	15.7
50°-60°	1207.9	19.0
60°-70°	1300.2	20.5
70°-80°	893.0	14.1
80°-90°	213.1	3.4
90°-100°	77.1	1.2
100°-110°	9.7	0.2
110°-120°	0.7	0.0
120°-130°	0.7	0.0
130°-140°	0.6	0.0
140°-150°	0.5	0.0
150°-160°	0.4	0.0
160°-170°	0.2	0.0
170°-180°	0.1	0.0
0°-90°	6261.1	98.6
0°-180°	6351.0	100.0

Coefficient of Utilization

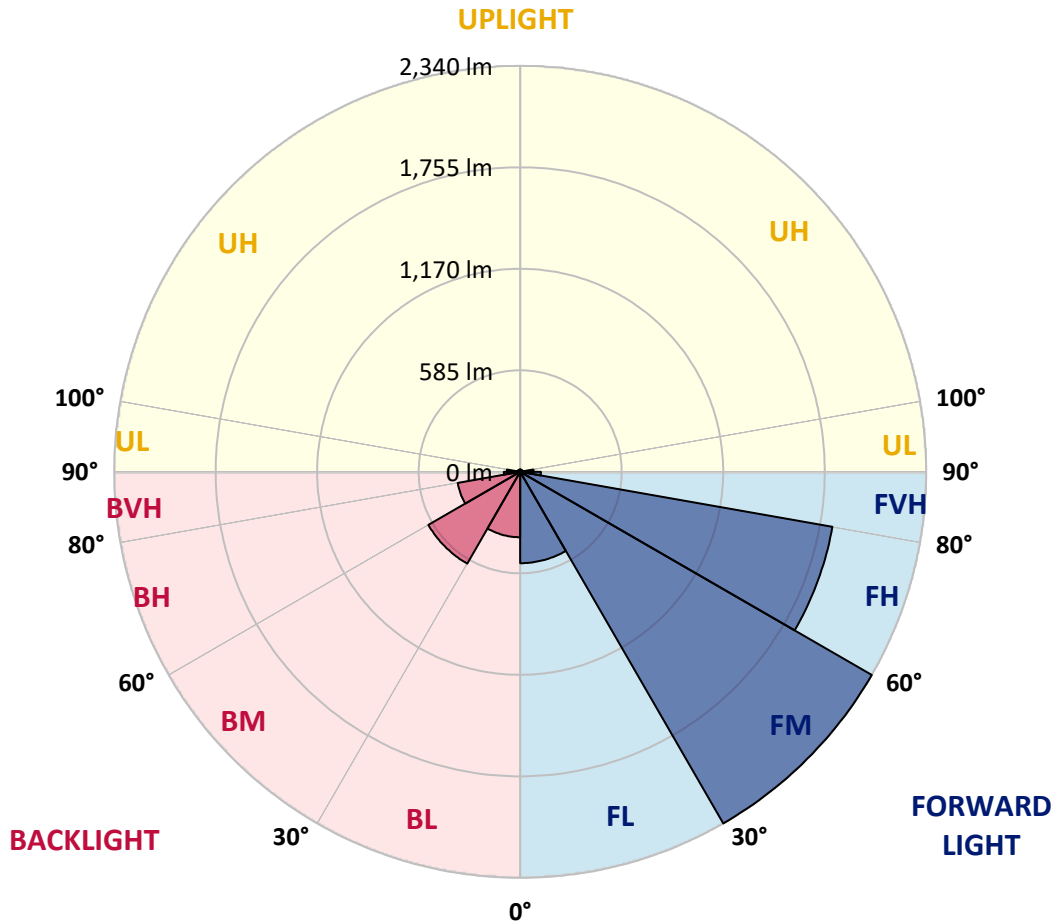


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	526.6	8.3			
FM (30°-60°)	2340.2	36.8			
FH (60°-80°)	1827.3	28.8			G2/5000
FVH (80°-90°)	119.2	1.9			G2/225
BL (0°-30°)	377.1	5.9	B1/500		
BM (30°-60°)	611.0	9.6	B1/1000		
BH (60°-80°)	365.9	5.8	B1/500		G1/500
BVH (80°-90°)	93.9	1.5			G1/100
UL (90°-100°)	77.1	1.2		U3/500	
UH (100°-180°)	12.8	0.2		U2/50	

BUG Rating: B1-U3-G2
 Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	953.1	953.1	953.1	953.1	953.1	953.1	953.1	953.1	953.1	953.1	953.1
2.5°	944.8	944.8	942.7	942.7	944.8	946.9	944.8	942.7	944.8	946.9	953.1
5°	982.3	980.2	978.1	969.8	961.5	955.2	951.1	949.0	951.1	959.4	974.0
7.5°	1007.3	1005.2	1005.2	1003.1	994.8	978.1	967.7	965.6	965.6	967.7	986.4
10°	1059.3	1055.1	1046.8	1032.2	1023.9	1003.1	984.4	980.2	980.2	984.4	1007.3
12.5°	1115.5	1107.1	1109.2	1092.6	1067.6	1044.7	1017.7	1007.3	1003.1	1007.3	1019.7
15°	1192.5	1186.2	1169.6	1150.8	1125.9	1094.7	1061.4	1044.7	1042.6	1048.9	1038.5
17.5°	1248.7	1240.3	1242.4	1215.4	1194.6	1152.9	1121.7	1090.5	1090.5	1098.8	1071.8
20°	1306.9	1302.8	1309.0	1302.8	1271.6	1234.1	1188.3	1150.8	1144.6	1148.8	1109.2
22.5°	1381.8	1375.6	1375.6	1377.7	1352.7	1315.3	1261.1	1223.7	1221.6	1205.0	1150.8
25°	1458.9	1452.6	1450.5	1454.7	1450.5	1406.8	1350.6	1313.2	1306.9	1284.0	1207.0
27.5°	1531.7	1531.7	1533.8	1537.9	1544.2	1508.8	1454.7	1413.1	1413.1	1388.1	1282.0
30°	1585.8	1585.8	1604.5	1612.9	1619.1	1610.8	1552.5	1513.0	1517.1	1483.8	1367.3
32.5°	1635.7	1637.8	1658.6	1679.4	1685.7	1691.9	1642.0	1617.0	1617.0	1585.8	1458.9
35°	1685.7	1685.7	1714.8	1756.4	1777.3	1771.0	1748.1	1739.8	1741.9	1735.6	1594.1
37.5°	1725.2	1729.4	1773.1	1825.1	1854.3	1864.7	1852.2	1879.2	1904.2	1922.9	1771.0
40°	1764.8	1764.8	1806.4	1862.6	1914.6	1943.7	1960.4	2062.4	2081.1	2087.3	1870.9
42.5°	1723.1	1733.6	1821.0	1904.2	1970.8	2020.7	2095.7	2247.6	2270.5	2199.7	2006.2
45°	1683.6	1696.1	1783.5	1922.9	2018.7	2118.6	2247.6	2401.6	2420.3	2314.2	2087.3
47.5°	1644.1	1658.6	1754.4	1906.3	2062.4	2226.8	2366.2	2536.9	2545.2	2407.8	2178.9
50°	1602.4	1617.0	1719.0	1887.6	2089.4	2337.1	2484.8	2659.6	2659.6	2491.1	2233.0
52.5°	1550.4	1567.1	1671.1	1858.4	2110.2	2412.0	2593.0	2749.1	2732.5	2591.0	2293.4
55°	1483.8	1506.7	1617.0	1816.8	2118.6	2451.5	2661.7	2836.5	2832.4	2713.8	2370.4
57.5°	1413.1	1431.8	1550.4	1762.7	2110.2	2478.6	2734.6	2988.5	2994.7	2819.9	2430.7
60°	1334.0	1346.5	1460.9	1687.8	2056.1	2526.5	2899.0	3150.8	3159.1	2917.7	2453.6
62.5°	1229.9	1238.3	1346.5	1585.8	1983.3	2557.7	3017.6	3298.5	3294.4	3005.1	2457.8
65°	1098.8	1109.2	1211.2	1450.5	1875.1	2536.9	3046.7	3363.1	3367.2	3046.7	2451.5
67.5°	971.9	978.1	1063.4	1271.6	1700.3	2437.0	3017.6	3400.5	3419.2	3082.1	2391.2
70°	803.3	805.4	880.3	1065.5	1458.9	2245.5	2959.3	3423.4	3413.0	3040.5	2287.1
72.5°	618.1	620.2	676.4	815.8	1134.2	1912.5	2753.3	3229.9	3211.1	2811.6	2062.4
75°	439.1	447.4	480.7	572.3	759.6	1396.4	2355.8	2859.4	2871.9	2501.5	1719.0
77.5°	249.7	258.1	285.1	357.9	437.0	782.5	1779.3	2384.9	2393.3	2104.0	1319.4
80°	108.2	110.3	120.7	170.7	233.1	374.6	911.5	1671.1	1791.8	1429.7	753.4
82.5°	91.6	91.6	95.7	99.9	102.0	170.7	353.8	518.2	534.8	422.5	245.6
85°	79.1	79.1	83.2	87.4	89.5	116.5	214.4	260.1	270.5	241.4	172.7
87.5°	62.4	62.4	68.7	72.8	72.8	95.7	160.2	193.5	199.8	193.5	154.0
90°	56.2	56.2	54.1	54.1	56.2	68.7	124.9	162.3	168.6	206.0	176.9
92.5°	47.9	49.9	49.9	49.9	43.7	49.9	89.5	143.6	156.1	203.9	160.2
95°	47.9	45.8	45.8	43.7	41.6	43.7	66.6	124.9	139.4	176.9	135.3
97.5°	33.3	31.2	33.3	35.4	37.5	39.5	56.2	91.6	102.0	137.4	99.9
100°	20.8	20.8	20.8	20.8	25.0	27.1	45.8	56.2	62.4	87.4	66.6
102.5°	12.5	10.4	10.4	10.4	12.5	16.6	22.9	31.2	33.3	49.9	39.5
105°	4.2	4.2	4.2	4.2	6.2	8.3	8.3	12.5	12.5	16.6	16.6
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	2.1
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	2.1



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	2.1
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	2.1
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	2.1
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	2.1
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	2.1
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	2.1
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	2.1
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	2.1
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	2.1
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	2.1
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	2.1
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	0.0	2.1	2.1
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	2.1	2.1	2.1
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	2.1
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	2.1	2.1
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	2.1	2.1	2.1
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	2.1	2.1	2.1
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	2.1	2.1
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	2.1	2.1	2.1
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	2.1	2.1	2.1
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	2.1	2.1	2.1
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	2.1	2.1
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	2.1
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	2.1	2.1	2.1
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	0.0	2.1	2.1
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	2.1
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	2.1	2.1	2.1
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°	953.1	953.1	953.1	953.1	953.1	953.1	953.1	953.1	953.1	953.1	953.1
2.5°	957.3	961.5	969.8	980.2	992.7	1003.1	1011.4	1013.5	1017.7	1017.7	1021.8
5°	978.1	986.4	998.9	1013.5	1019.7	1015.6	1015.6	1017.7	1021.8	1032.2	1036.4
7.5°	1001.0	1007.3	1007.3	1013.5	1026.0	1021.8	1019.7	1017.7	1017.7	1013.5	1019.7
10°	1009.3	1001.0	1011.4	1009.3	1005.2	1013.5	1015.6	1003.1	1005.2	1005.2	1007.3
12.5°	1011.4	1011.4	1003.1	1003.1	1003.1	984.4	980.2	990.6	980.2	984.4	982.3
15°	1034.3	1017.7	1007.3	994.8	978.1	971.9	957.3	940.7	940.7	944.8	944.8
17.5°	1051.0	1034.3	1003.1	969.8	963.5	934.4	924.0	919.8	917.8	919.8	924.0
20°	1075.9	1051.0	998.9	965.6	911.5	901.1	882.4	880.3	876.1	861.6	857.4
22.5°	1109.2	1069.7	996.8	930.3	886.5	851.2	817.9	797.1	795.0	784.6	778.3
25°	1146.7	1107.1	1005.2	913.6	840.8	788.7	761.7	713.8	690.9	699.2	695.1
27.5°	1223.7	1150.8	1019.7	890.7	803.3	722.1	659.7	630.6	601.4	601.4	605.6
30°	1294.4	1207.0	1019.7	869.9	740.9	643.1	561.9	516.1	503.6	495.3	491.1
32.5°	1400.6	1277.8	1063.4	840.8	682.6	541.1	449.5	395.4	397.5	405.8	403.7
35°	1523.4	1390.2	1075.9	799.1	597.3	439.1	347.5	318.4	335.1	339.2	339.2
37.5°	1671.1	1527.5	1132.1	765.8	507.8	324.7	274.7	262.2	276.8	274.7	283.0
40°	1752.3	1594.1	1180.0	724.2	389.2	239.3	212.3	203.9	226.8	245.6	249.7
42.5°	1866.7	1673.2	1225.8	645.1	264.3	174.8	162.3	189.4	222.7	243.5	245.6
45°	1929.2	1719.0	1207.0	547.3	168.6	141.5	158.2	191.5	226.8	247.7	249.7
47.5°	2004.1	1779.3	1173.7	426.6	135.3	139.4	160.2	195.6	233.1	251.8	251.8
50°	2079.0	1839.7	1092.6	335.1	126.9	137.4	164.4	197.7	231.0	243.5	243.5
52.5°	2122.7	1891.7	996.8	243.5	124.9	137.4	166.5	199.8	228.9	235.2	235.2
55°	2162.3	1895.9	913.6	181.1	122.8	139.4	168.6	203.9	231.0	237.2	235.2
57.5°	2185.2	1868.8	855.3	156.1	120.7	139.4	170.7	208.1	247.7	262.2	258.1
60°	2172.7	1827.2	811.6	145.7	118.6	139.4	172.7	220.6	314.2	339.2	330.9
62.5°	2151.9	1798.1	720.1	133.2	114.5	139.4	174.8	249.7	349.6	362.1	351.7
65°	2124.8	1712.7	616.0	120.7	110.3	137.4	176.9	270.5	333.0	333.0	330.9
67.5°	2012.4	1598.3	459.9	108.2	104.1	137.4	181.1	266.4	320.5	347.5	347.5
70°	1862.6	1406.8	303.8	95.7	97.8	133.2	189.4	270.5	330.9	368.4	364.2
72.5°	1577.5	1167.5	168.6	83.2	89.5	131.1	189.4	287.2	357.9	399.6	393.3
75°	1288.2	863.7	120.7	74.9	81.2	126.9	191.5	297.6	382.9	426.6	416.2
77.5°	907.4	495.3	95.7	64.5	72.8	120.7	189.4	293.4	395.4	434.9	422.5
80°	382.9	179.0	79.1	58.3	62.4	108.2	174.8	280.9	395.4	459.9	453.7
82.5°	172.7	126.9	68.7	52.0	58.3	89.5	162.3	270.5	382.9	462.0	499.5
85°	135.3	104.1	58.3	45.8	52.0	85.3	145.7	258.1	366.3	426.6	468.2
87.5°	129.0	104.1	52.0	41.6	47.9	72.8	112.4	239.3	328.8	393.3	426.6
90°	139.4	108.2	41.6	35.4	43.7	64.5	91.6	201.9	285.1	345.5	345.5
92.5°	129.0	99.9	31.2	27.1	45.8	52.0	87.4	124.9	206.0	172.7	214.4
95°	108.2	83.2	20.8	18.7	43.7	43.7	47.9	58.3	143.6	4.2	0.0
97.5°	79.1	60.4	12.5	10.4	33.3	35.4	22.9	27.1	58.3	0.0	0.0
100°	58.3	39.5	8.3	8.3	20.8	29.1	14.6	14.6	0.0	0.0	0.0
102.5°	31.2	20.8	6.2	4.2	10.4	16.6	6.2	4.2	0.0	0.0	0.0
105°	16.6	8.3	2.1	2.1	2.1	2.1	0.0	0.0	0.0	0.0	0.0
107.5°	4.2	2.1	2.1	2.1	2.1	0.0	0.0	0.0	0.0	0.0	0.0
110°	2.1	2.1	2.1	2.1	2.1	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°
112.5°	2.1	2.1	2.1	2.1	2.1	0.0	0.0	0.0	0.0	0.0	0.0
115°	2.1	2.1	2.1	2.1	2.1	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	2.1	2.1	2.1	2.1	2.1	0.0	0.0	0.0	0.0	0.0	0.0
120°	2.1	2.1	2.1	2.1	2.1	2.1	0.0	0.0	0.0	0.0	0.0
122.5°	2.1	2.1	2.1	2.1	2.1	0.0	0.0	0.0	0.0	0.0	0.0
125°	2.1	2.1	2.1	2.1	2.1	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	2.1	2.1	2.1	2.1	2.1	2.1	0.0	0.0	0.0	0.0	0.0
130°	2.1	2.1	2.1	2.1	2.1	2.1	0.0	0.0	0.0	0.0	0.0
132.5°	2.1	2.1	2.1	2.1	2.1	2.1	0.0	0.0	0.0	0.0	0.0
135°	2.1	2.1	2.1	2.1	2.1	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	2.1	2.1	2.1	2.1	2.1	0.0	0.0	0.0	0.0	0.0	0.0
140°	2.1	2.1	2.1	2.1	2.1	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	2.1	2.1	2.1	2.1	2.1	0.0	0.0	0.0	0.0	0.0	0.0
145°	2.1	2.1	2.1	2.1	2.1	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	2.1	2.1	2.1	2.1	2.1	0.0	0.0	0.0	0.0	0.0	0.0
150°	2.1	2.1	2.1	2.1	2.1	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	2.1	2.1	2.1	2.1	2.1	0.0	0.0	0.0	0.0	0.0	0.0
155°	2.1	2.1	2.1	2.1	2.1	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	2.1	2.1	2.1	2.1	2.1	0.0	0.0	0.0	0.0	0.0	0.0
160°	2.1	2.1	2.1	2.1	2.1	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	2.1	2.1	2.1	2.1	2.1	0.0	0.0	0.0	0.0	0.0	0.0
165°	2.1	2.1	2.1	2.1	2.1	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	2.1	2.1	2.1	2.1	2.1	0.0	0.0	0.0	0.0	0.0	0.0
170°	2.1	2.1	2.1	2.1	2.1	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	2.1	2.1	2.1	2.1	2.1	0.0	0.0	0.0	0.0	0.0	0.0
175°	2.1	2.1	2.1	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	2.1	2.1	2.1	2.1	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)