

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: P691603

Luminaire Tested: **CRTK2-C018-5TLD-U-T3-7030**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691603
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-C018-5TLD-U-T3-7030
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K LED WITH TYPE III OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7819.1 lumens
Efficiency: N/A
Efficacy: 145.6 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.08')
IES Classification: Type III - Medium
BUG Rating: B1 - U3 - G2

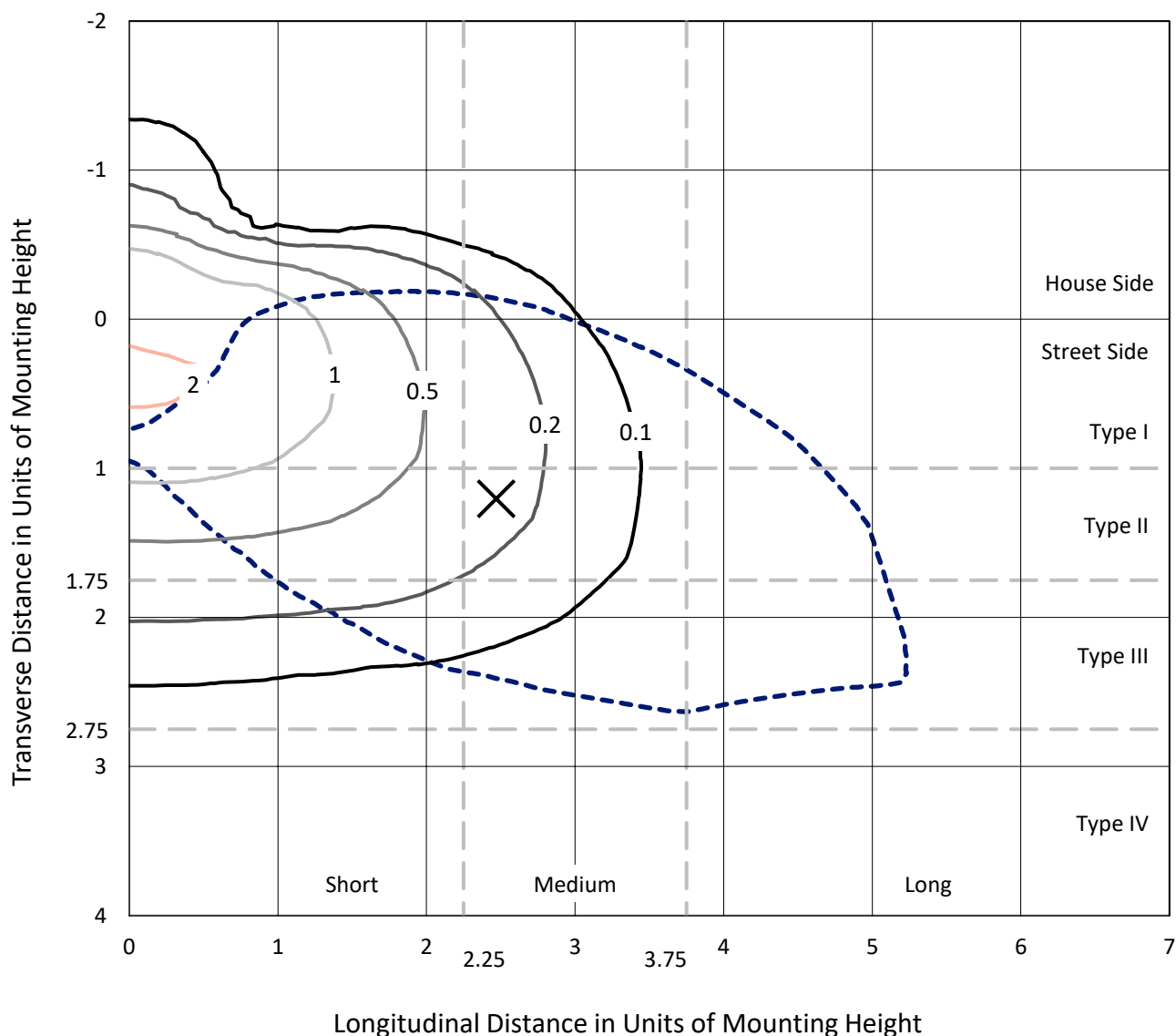
Input Watts (W): 53.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

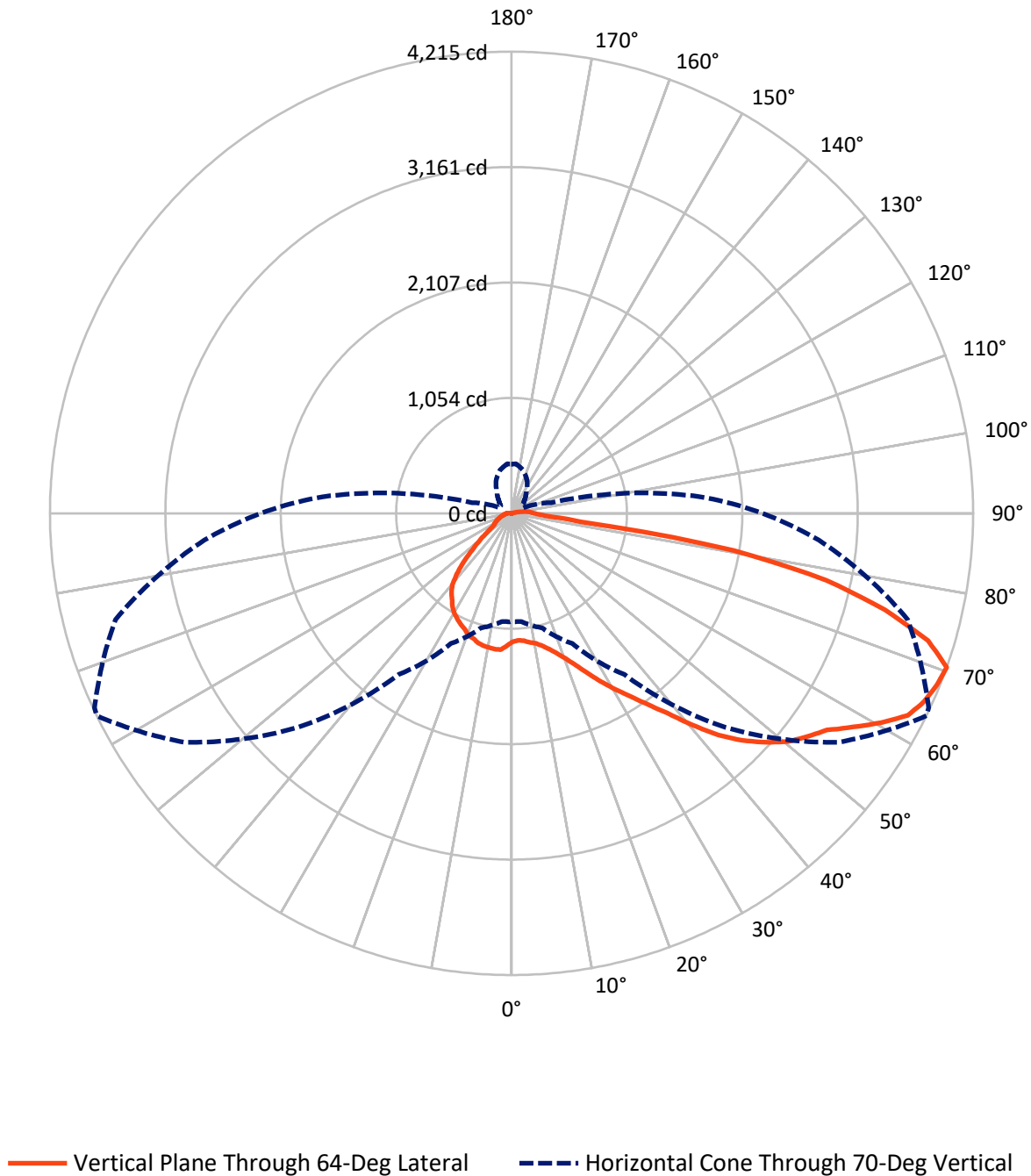
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.1 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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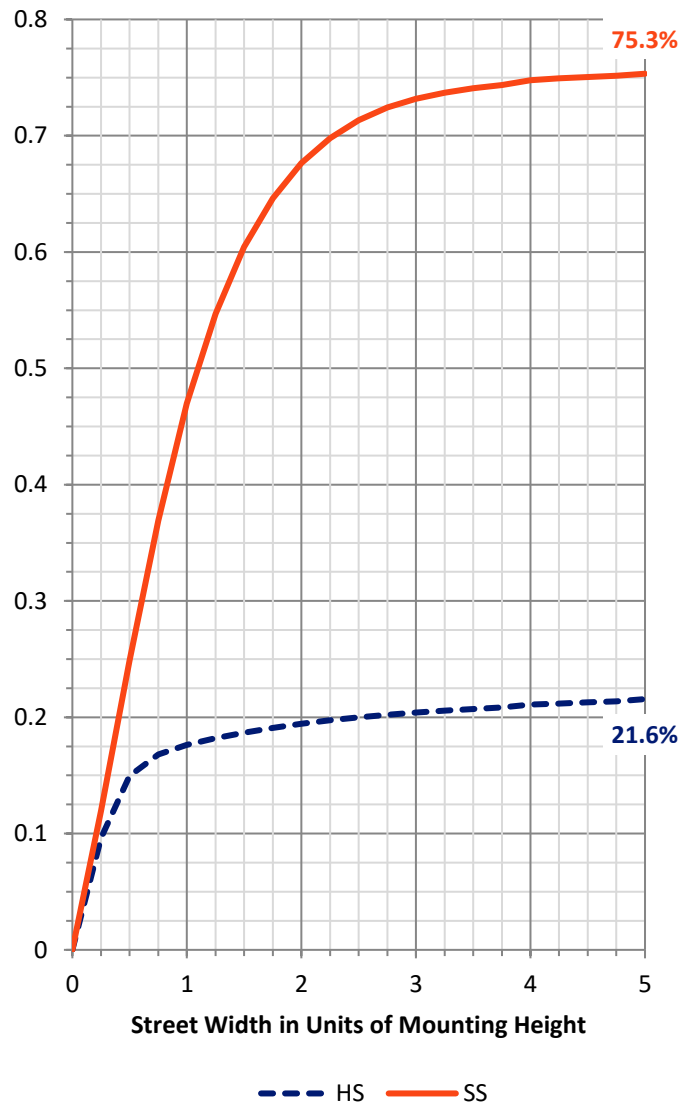
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1782.5	48.3	1830.8
	% Fixture	22.8	0.6	23.4
Street Side	Lumens	5925.9	62.4	5988.2
	% Fixture	75.8	0.8	76.6
Total	Lumens	7708.4	110.7	7819.1
	% Fixture	98.6	1.4	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	116.9	1.5
10°-20°	364.0	4.7
20°-30°	631.5	8.1
30°-40°	916.5	11.7
40°-50°	1229.9	15.7
50°-60°	1487.1	19.0
60°-70°	1600.7	20.5
70°-80°	1099.4	14.1
80°-90°	262.3	3.4
90°-100°	94.9	1.2
100°-110°	11.9	0.2
110°-120°	0.9	0.0
120°-130°	0.8	0.0
130°-140°	0.7	0.0
140°-150°	0.6	0.0
150°-160°	0.5	0.0
160°-170°	0.3	0.0
170°-180°	0.1	0.0
0°-90°	7708.4	98.6
0°-180°	7819.1	100.0

Coefficient of Utilization



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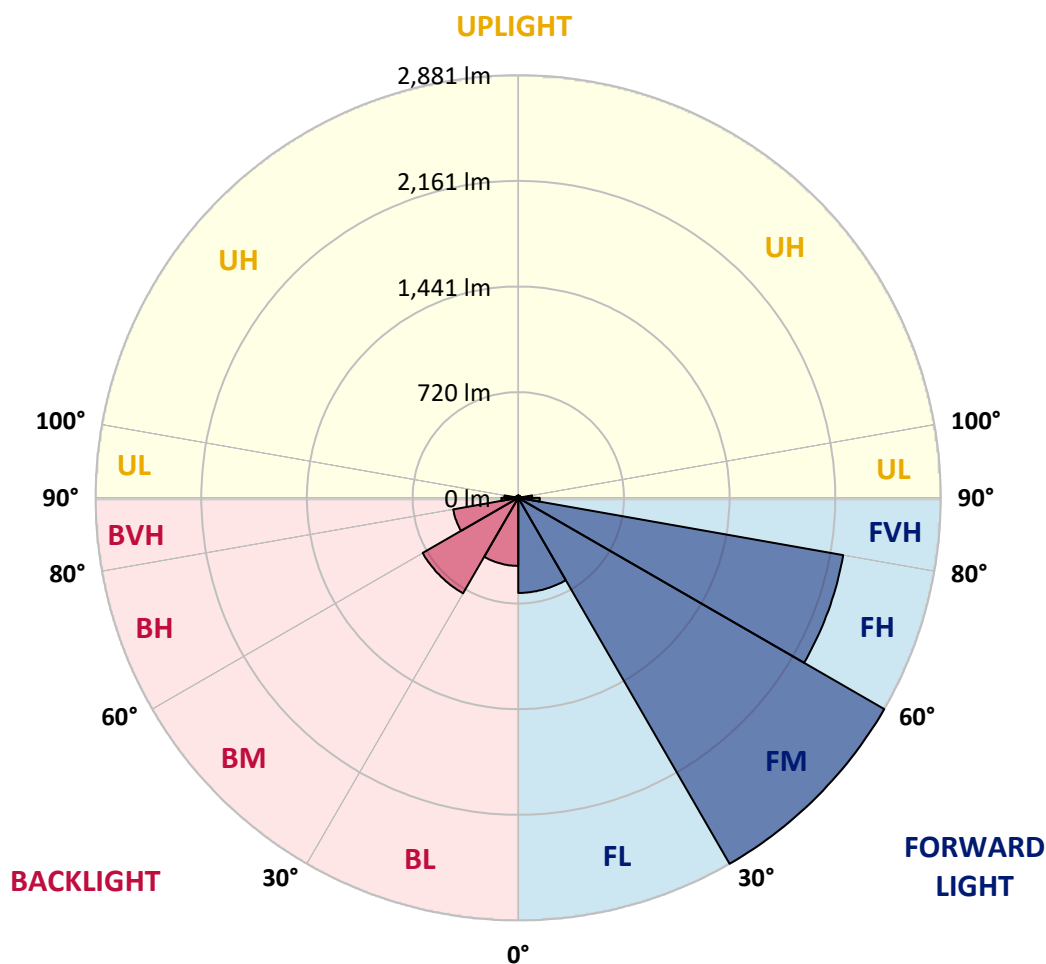
CATALOG NUMBER: CRTK2-C018-5TLD-U-T3-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	648.3	8.3			
FM	(30°-60°)	2881.1	36.8			
FH	(60°-80°)	2249.7	28.8			G2/5000
FVH	(80°-90°)	146.8	1.9			G2/225
BL	(0°-30°)	464.2	5.9	B1/500		
BM	(30°-60°)	752.3	9.6	B1/1000		
BH	(60°-80°)	450.4	5.8	B1/500		G1/500
BVH	(80°-90°)	115.6	1.5			G2/225
UL	(90°-100°)	94.9	1.2		U3/500	
UH	(100°-180°)	15.8	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°	1173.5	1173.5	1173.5	1173.5	1173.5	1173.5	1173.5	1173.5	1173.5	1173.5	1173.5
2.5°	1163.2	1163.2	1160.6	1160.6	1163.2	1165.8	1163.2	1160.6	1163.2	1165.8	1173.5
5°	1209.3	1206.8	1204.2	1194.0	1183.7	1176.0	1170.9	1168.3	1170.9	1181.1	1199.1
7.5°	1240.1	1237.5	1237.5	1234.9	1224.7	1204.2	1191.4	1188.8	1188.8	1191.4	1214.5
10°	1304.1	1299.0	1288.8	1270.8	1260.6	1234.9	1211.9	1206.8	1206.8	1211.9	1240.1
12.5°	1373.3	1363.1	1365.6	1345.1	1314.4	1286.2	1252.9	1240.1	1234.9	1240.1	1255.4
15°	1468.1	1460.4	1439.9	1416.9	1386.1	1347.7	1306.7	1286.2	1283.6	1291.3	1278.5
17.5°	1537.3	1527.0	1529.6	1496.3	1470.7	1419.4	1381.0	1342.6	1342.6	1352.8	1319.5
20°	1609.0	1603.9	1611.6	1603.9	1565.5	1519.3	1463.0	1416.9	1409.2	1414.3	1365.6
22.5°	1701.3	1693.6	1693.6	1696.1	1665.4	1619.3	1552.7	1506.5	1504.0	1483.5	1416.9
25°	1796.1	1788.4	1785.8	1790.9	1785.8	1732.0	1662.8	1616.7	1609.0	1580.8	1486.0
27.5°	1885.7	1885.7	1888.3	1893.4	1901.1	1857.5	1790.9	1739.7	1739.7	1708.9	1578.3
30°	1952.3	1952.3	1975.4	1985.7	1993.3	1983.1	1911.4	1862.7	1867.8	1826.8	1683.3
32.5°	2013.8	2016.4	2042.0	2067.6	2075.3	2083.0	2021.5	1990.8	1990.8	1952.3	1796.1
35°	2075.3	2075.3	2111.2	2162.4	2188.1	2180.4	2152.2	2141.9	2144.5	2136.8	1962.6
37.5°	2124.0	2129.1	2182.9	2247.0	2282.9	2295.7	2280.3	2313.6	2344.4	2367.4	2180.4
40°	2172.7	2172.7	2223.9	2293.1	2357.2	2393.0	2413.5	2539.1	2562.1	2569.8	2303.4
42.5°	2121.4	2134.3	2241.9	2344.4	2426.3	2487.8	2580.1	2767.1	2795.3	2708.2	2469.9
45°	2072.8	2088.1	2195.7	2367.4	2485.3	2608.3	2767.1	2956.7	2979.8	2849.1	2569.8
47.5°	2024.1	2042.0	2159.9	2346.9	2539.1	2741.5	2913.1	3123.2	3133.5	2964.4	2682.6
50°	1972.8	1990.8	2116.3	2323.9	2572.4	2877.3	3059.2	3274.4	3274.4	3066.9	2749.2
52.5°	1908.8	1929.3	2057.4	2288.0	2598.0	2969.5	3192.4	3384.6	3364.1	3189.9	2823.5
55°	1826.8	1855.0	1990.8	2236.7	2608.3	3018.2	3277.0	3492.2	3487.1	3341.0	2918.3
57.5°	1739.7	1762.7	1908.8	2170.1	2598.0	3051.5	3366.6	3679.2	3686.9	3471.7	2992.6
60°	1642.3	1657.7	1798.6	2077.9	2531.4	3110.4	3569.1	3879.1	3889.3	3592.1	3020.8
62.5°	1514.2	1524.5	1657.7	1952.3	2441.7	3148.9	3715.1	4061.0	4055.9	3699.7	3025.9
65°	1352.8	1365.6	1491.2	1785.8	2308.5	3123.2	3751.0	4140.4	4145.5	3751.0	3018.2
67.5°	1196.5	1204.2	1309.3	1565.5	2093.3	3000.3	3715.1	4186.5	4209.6	3794.5	2943.9
70°	989.0	991.5	1083.8	1311.8	1796.1	2764.5	3643.4	4214.7	4201.9	3743.3	2815.8
72.5°	761.0	763.5	832.7	1004.4	1396.4	2354.6	3389.7	3976.4	3953.4	3461.4	2539.1
75°	540.6	550.9	591.9	704.6	935.2	1719.2	2900.3	3520.4	3535.7	3079.7	2116.3
77.5°	307.5	317.7	351.0	440.7	538.0	963.4	2190.6	2936.2	2946.5	2590.3	1624.4
80°	133.2	135.8	148.6	210.1	287.0	461.2	1122.2	2057.4	2206.0	1760.2	927.5
82.5°	112.7	112.7	117.9	123.0	125.5	210.1	435.6	638.0	658.5	520.1	302.3
85°	97.4	97.4	102.5	107.6	110.2	143.5	263.9	320.3	333.1	297.2	212.7
87.5°	76.9	76.9	84.6	89.7	89.7	117.9	197.3	238.3	246.0	238.3	189.6
90°	69.2	69.2	66.6	66.6	69.2	84.6	153.7	199.8	207.5	253.7	217.8
92.5°	58.9	61.5	61.5	61.5	53.8	61.5	110.2	176.8	192.2	251.1	197.3
95°	58.9	56.4	56.4	53.8	51.2	53.8	82.0	153.7	171.7	217.8	166.5
97.5°	41.0	38.4	41.0	43.6	46.1	48.7	69.2	112.7	125.5	169.1	123.0
100°	25.6	25.6	25.6	25.6	30.7	33.3	56.4	69.2	76.9	107.6	82.0
102.5°	15.4	12.8	12.8	12.8	15.4	20.5	28.2	38.4	41.0	61.5	48.7
105°	5.1	5.1	5.1	5.1	7.7	10.2	10.2	15.4	15.4	20.5	20.5
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	2.6
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	2.6



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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	2.6	2.6
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	2.6
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	2.6
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	2.6
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	2.6
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	2.6
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	2.6
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	2.6
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	2.6
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	2.6
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	2.6
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	0.0	2.6	2.6
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	2.6	2.6	2.6
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	2.6
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	2.6	2.6
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	2.6	2.6	2.6
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	2.6	2.6	2.6
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	2.6	2.6
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	2.6	2.6	2.6
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	2.6	2.6	2.6
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	2.6	2.6	2.6
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	2.6	2.6
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	2.6
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	2.6	2.6	2.6
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	0.0	2.6	2.6
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	2.6
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	2.6	2.6	2.6
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°	1173.5	1173.5	1173.5	1173.5	1173.5	1173.5	1173.5	1173.5	1173.5	1173.5	1173.5
2.5°	1178.6	1183.7	1194.0	1206.8	1222.1	1234.9	1245.2	1247.8	1252.9	1252.9	1258.0
5°	1204.2	1214.5	1229.8	1247.8	1255.4	1250.3	1250.3	1252.9	1258.0	1270.8	1275.9
7.5°	1232.4	1240.1	1240.1	1247.8	1263.1	1258.0	1255.4	1252.9	1252.9	1247.8	1255.4
10°	1242.6	1232.4	1245.2	1242.6	1237.5	1247.8	1250.3	1234.9	1237.5	1237.5	1240.1
12.5°	1245.2	1245.2	1234.9	1234.9	1234.9	1211.9	1206.8	1219.6	1206.8	1211.9	1209.3
15°	1273.4	1252.9	1240.1	1224.7	1204.2	1196.5	1178.6	1158.1	1158.1	1163.2	1163.2
17.5°	1293.9	1273.4	1234.9	1194.0	1186.3	1150.4	1137.6	1132.5	1129.9	1132.5	1137.6
20°	1324.6	1293.9	1229.8	1188.8	1122.2	1109.4	1086.3	1083.8	1078.7	1060.7	1055.6
22.5°	1365.6	1316.9	1227.3	1145.3	1091.5	1047.9	1006.9	981.3	978.7	965.9	958.2
25°	1411.7	1363.1	1237.5	1124.8	1035.1	971.0	937.7	878.8	850.6	860.9	855.8
27.5°	1506.5	1416.9	1255.4	1096.6	989.0	889.1	812.2	776.3	740.5	740.5	745.6
30°	1593.6	1486.0	1255.4	1071.0	912.1	791.7	691.8	635.4	620.0	609.8	604.7
32.5°	1724.3	1573.1	1309.3	1035.1	840.4	666.2	553.4	486.8	489.4	499.6	497.1
35°	1875.5	1711.5	1324.6	983.9	735.3	540.6	427.9	392.0	412.5	417.6	417.6
37.5°	2057.4	1880.6	1393.8	942.9	625.2	399.7	338.2	322.8	340.8	338.2	348.5
40°	2157.3	1962.6	1452.7	891.6	479.1	294.6	261.3	251.1	279.3	302.3	307.5
42.5°	2298.2	2060.0	1509.1	794.3	325.4	215.2	199.8	233.2	274.1	299.8	302.3
45°	2375.1	2116.3	1486.0	673.8	207.5	174.2	194.7	235.7	279.3	304.9	307.5
47.5°	2467.3	2190.6	1445.0	525.2	166.5	171.7	197.3	240.8	287.0	310.0	310.0
50°	2559.6	2264.9	1345.1	412.5	156.3	169.1	202.4	243.4	284.4	299.8	299.8
52.5°	2613.4	2329.0	1227.3	299.8	153.7	169.1	205.0	246.0	281.8	289.5	289.5
55°	2662.1	2334.1	1124.8	222.9	151.2	171.7	207.5	251.1	284.4	292.1	289.5
57.5°	2690.2	2300.8	1053.0	192.2	148.6	171.7	210.1	256.2	304.9	322.8	317.7
60°	2674.9	2249.6	999.2	179.3	146.0	171.7	212.7	271.6	386.9	417.6	407.4
62.5°	2649.2	2213.7	886.5	164.0	140.9	171.7	215.2	307.5	430.4	445.8	433.0
65°	2615.9	2108.6	758.4	148.6	135.8	169.1	217.8	333.1	409.9	409.9	407.4
67.5°	2477.6	1967.7	566.2	133.2	128.1	169.1	222.9	328.0	394.6	427.9	427.9
70°	2293.1	1732.0	374.1	117.9	120.4	164.0	233.2	333.1	407.4	453.5	448.4
72.5°	1942.1	1437.4	207.5	102.5	110.2	161.4	233.2	353.6	440.7	491.9	484.2
75°	1586.0	1063.3	148.6	92.2	99.9	156.3	235.7	366.4	471.4	525.2	512.4
77.5°	1117.1	609.8	117.9	79.4	89.7	148.6	233.2	361.3	486.8	535.5	520.1
80°	471.4	220.3	97.4	71.7	76.9	133.2	215.2	345.9	486.8	566.2	558.5
82.5°	212.7	156.3	84.6	64.1	71.7	110.2	199.8	333.1	471.4	568.8	614.9
85°	166.5	128.1	71.7	56.4	64.1	105.0	179.3	317.7	450.9	525.2	576.5
87.5°	158.9	128.1	64.1	51.2	58.9	89.7	138.4	294.6	404.8	484.2	525.2
90°	171.7	133.2	51.2	43.6	53.8	79.4	112.7	248.5	351.0	425.3	425.3
92.5°	158.9	123.0	38.4	33.3	56.4	64.1	107.6	153.7	253.7	212.7	263.9
95°	133.2	102.5	25.6	23.1	53.8	53.8	58.9	71.7	176.8	5.1	0.0
97.5°	97.4	74.3	15.4	12.8	41.0	43.6	28.2	33.3	71.7	0.0	0.0
100°	71.7	48.7	10.2	10.2	25.6	35.9	17.9	17.9	0.0	0.0	0.0
102.5°	38.4	25.6	7.7	5.1	12.8	20.5	7.7	5.1	0.0	0.0	0.0
105°	20.5	10.2	2.6	2.6	2.6	2.6	0.0	0.0	0.0	0.0	0.0
107.5°	5.1	2.6	2.6	2.6	2.6	0.0	0.0	0.0	0.0	0.0	0.0
110°	2.6	2.6	2.6	2.6	2.6	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°	2.6	2.6	2.6	2.6	2.6	0.0	0.0	0.0	0.0	0.0	0.0
115°	2.6	2.6	2.6	2.6	2.6	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	2.6	2.6	2.6	2.6	2.6	0.0	0.0	0.0	0.0	0.0	0.0
120°	2.6	2.6	2.6	2.6	2.6	2.6	0.0	0.0	0.0	0.0	0.0
122.5°	2.6	2.6	2.6	2.6	2.6	0.0	0.0	0.0	0.0	0.0	0.0
125°	2.6	2.6	2.6	2.6	2.6	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	2.6	2.6	2.6	2.6	2.6	2.6	0.0	0.0	0.0	0.0	0.0
130°	2.6	2.6	2.6	2.6	2.6	2.6	0.0	0.0	0.0	0.0	0.0
132.5°	2.6	2.6	2.6	2.6	2.6	2.6	0.0	0.0	0.0	0.0	0.0
135°	2.6	2.6	2.6	2.6	2.6	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	2.6	2.6	2.6	2.6	2.6	0.0	0.0	0.0	0.0	0.0	0.0
140°	2.6	2.6	2.6	2.6	2.6	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	2.6	2.6	2.6	2.6	2.6	0.0	0.0	0.0	0.0	0.0	0.0
145°	2.6	2.6	2.6	2.6	2.6	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	2.6	2.6	2.6	2.6	2.6	0.0	0.0	0.0	0.0	0.0	0.0
150°	2.6	2.6	2.6	2.6	2.6	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	2.6	2.6	2.6	2.6	2.6	0.0	0.0	0.0	0.0	0.0	0.0
155°	2.6	2.6	2.6	2.6	2.6	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	2.6	2.6	2.6	2.6	2.6	0.0	0.0	0.0	0.0	0.0	0.0
160°	2.6	2.6	2.6	2.6	2.6	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	2.6	2.6	2.6	2.6	2.6	0.0	0.0	0.0	0.0	0.0	0.0
165°	2.6	2.6	2.6	2.6	2.6	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	2.6	2.6	2.6	2.6	2.6	0.0	0.0	0.0	0.0	0.0	0.0
170°	2.6	2.6	2.6	2.6	2.6	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	2.6	2.6	2.6	2.6	2.6	0.0	0.0	0.0	0.0	0.0	0.0
175°	2.6	2.6	2.6	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	2.6	2.6	2.6	2.6	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)