

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: P691619

Luminaire Tested: **CRTK2-C018-5TLD-U-T3-7050**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691619
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-T3-7050
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: 8145.1 lumens
Efficiency: N/A
Efficacy: 151.7 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.08')
IES Classification: Type III - Medium
BUG Rating: B1 - U3 - G2

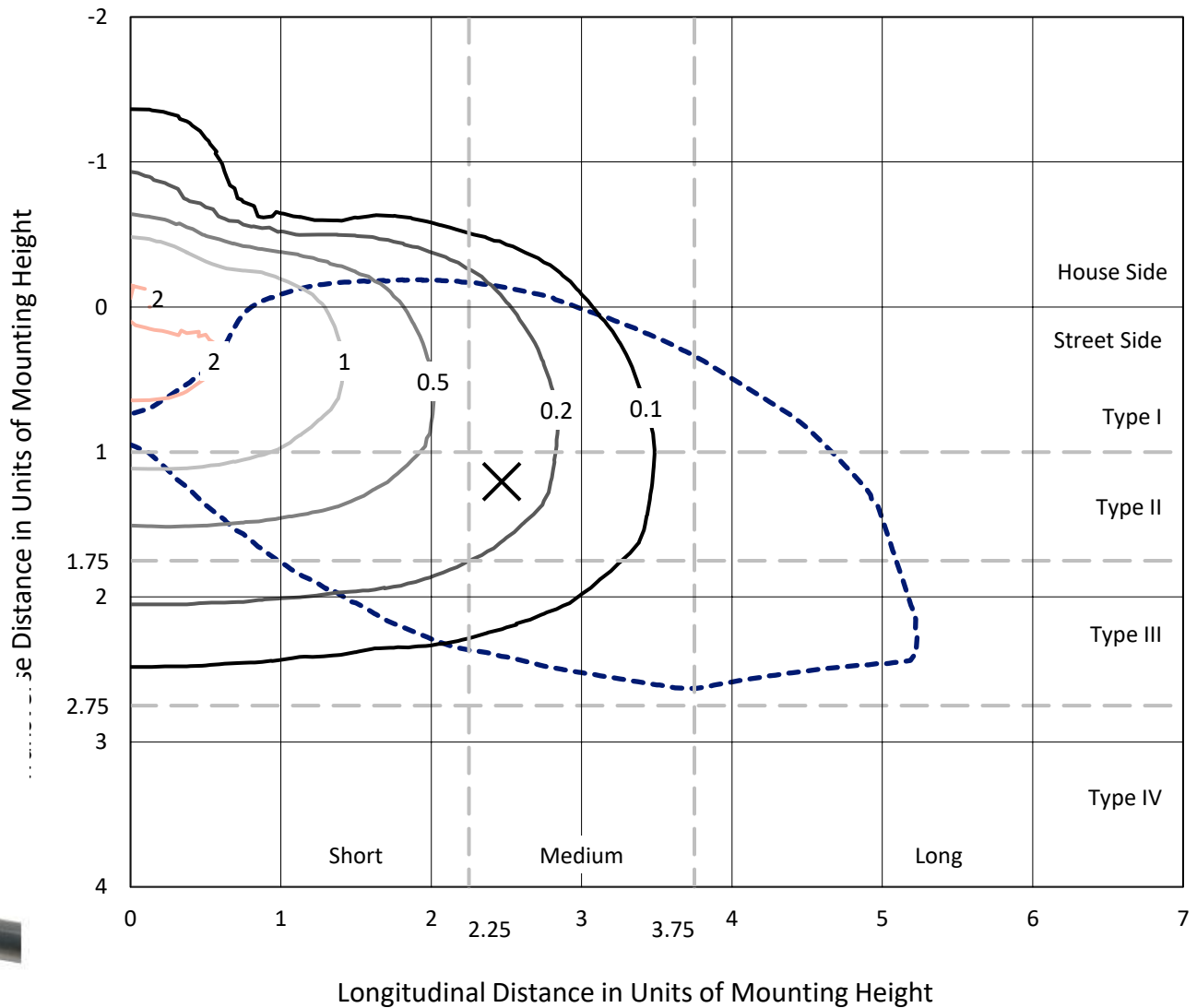
Input Watts (W): 53.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

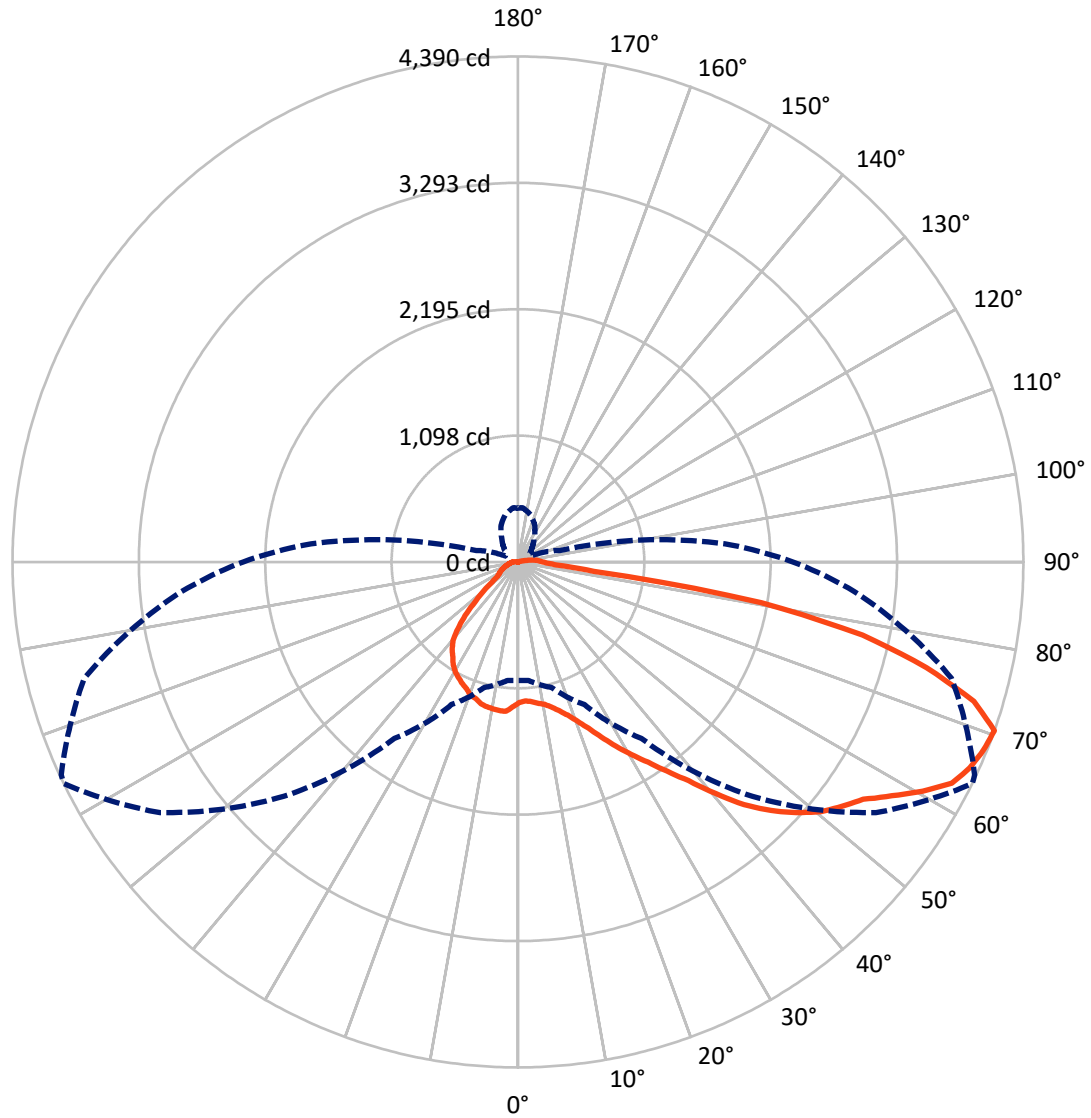
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.2 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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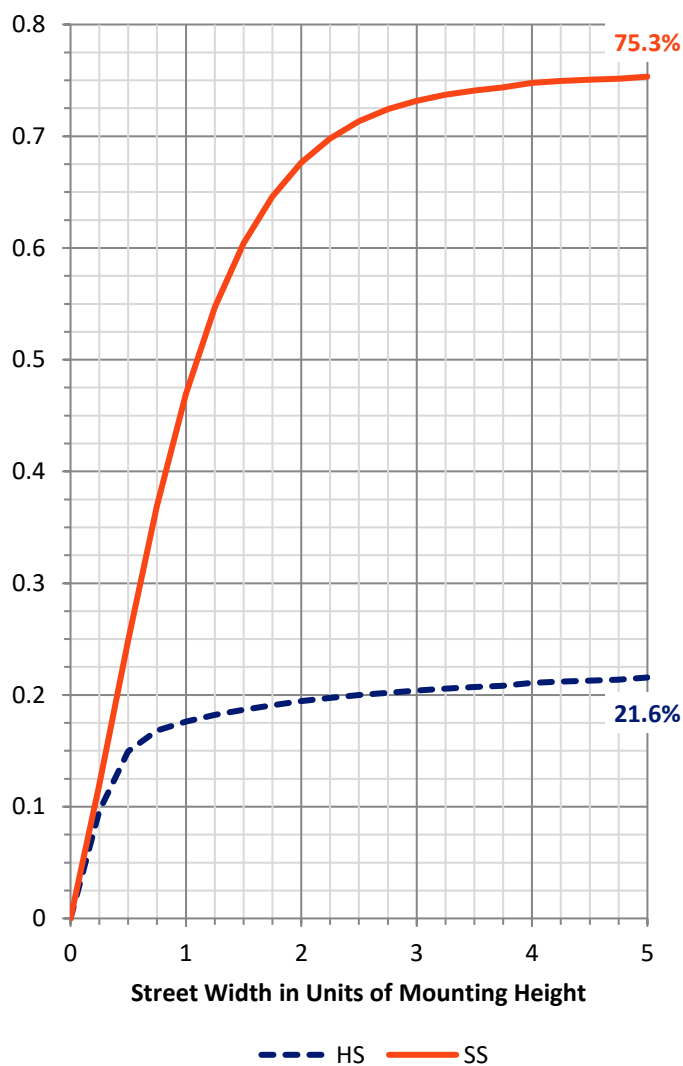
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1856.8	50.3	1907.1
	% Fixture	22.8	0.6	23.4
Street Side	Lumens	6172.9	65.0	6237.9
	% Fixture	75.8	0.8	76.6
Total	Lumens	8029.7	115.3	8145.1
	% Fixture	98.6	1.4	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	121.8	1.5
10°-20°	379.2	4.7
20°-30°	657.9	8.1
30°-40°	954.7	11.7
40°-50°	1281.2	15.7
50°-60°	1549.1	19.0
60°-70°	1667.5	20.5
70°-80°	1145.2	14.1
80°-90°	273.3	3.4
90°-100°	98.9	1.2
100°-110°	12.4	0.2
110°-120°	0.9	0.0
120°-130°	0.9	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°	8029.7	98.6
0°-180°	8145.1	100.0

Coefficient of Utilization

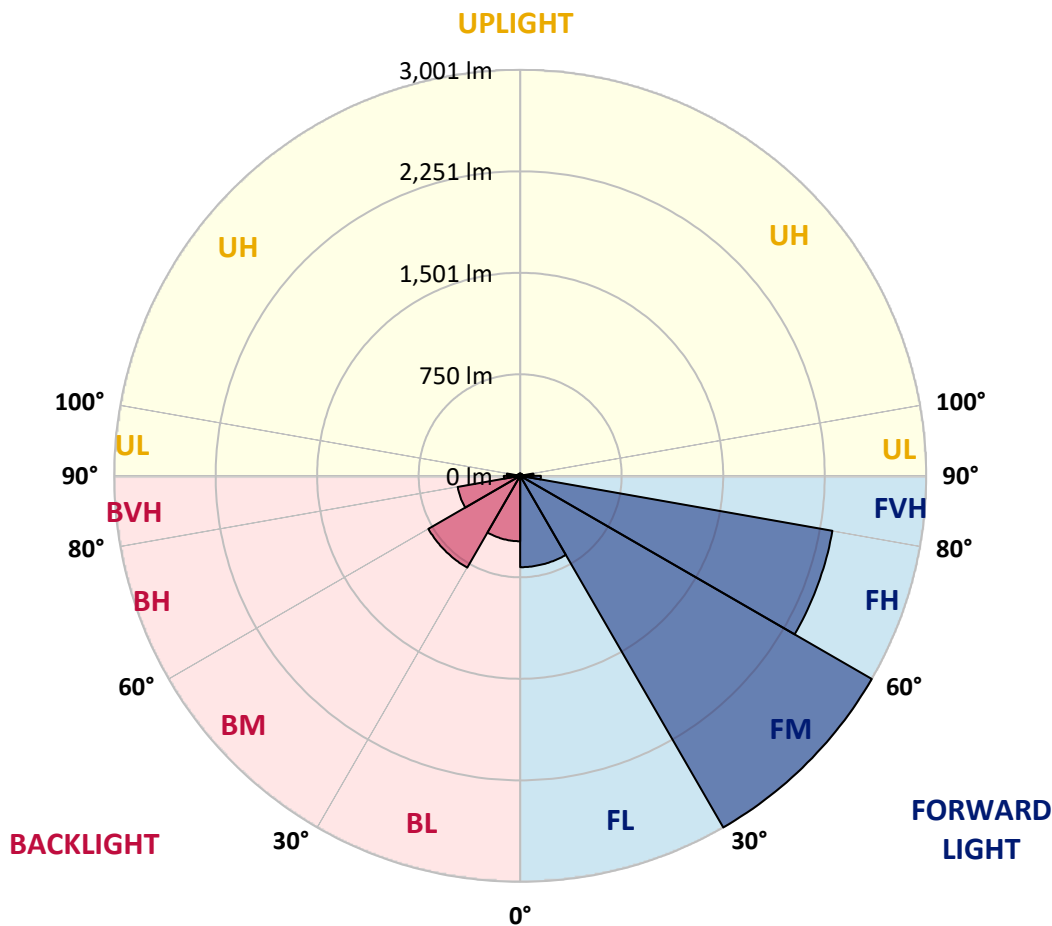


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	675.3	8.3			
FM (30°-60°)	3001.2	36.8			
FH (60°-80°)	2343.5	28.8			G2/5000
FVH (80°-90°)	152.9	1.9			G2/225
BL (0°-30°)	483.6	5.9	B1/500		
BM (30°-60°)	783.7	9.6	B1/1000		
BH (60°-80°)	469.2	5.8	B1/500		G1/500
BVH (80°-90°)	120.4	1.5			G2/225
UL (90°-100°)	98.9	1.2		U3/500	
UH (100°-180°)	16.4	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°	1222.4	1222.4	1222.4	1222.4	1222.4	1222.4	1222.4	1222.4	1222.4	1222.4	1222.4
2.5°	1211.7	1211.7	1209.0	1209.0	1211.7	1214.4	1211.7	1209.0	1211.7	1214.4	1222.4
5°	1259.7	1257.1	1254.4	1243.7	1233.1	1225.1	1219.7	1217.0	1219.7	1230.4	1249.1
7.5°	1291.8	1289.1	1289.1	1286.4	1275.8	1254.4	1241.1	1238.4	1238.4	1241.1	1265.1
10°	1358.5	1353.2	1342.5	1323.8	1313.1	1286.4	1262.4	1257.1	1257.1	1262.4	1291.8
12.5°	1430.6	1419.9	1422.6	1401.2	1369.2	1339.8	1305.1	1291.8	1286.4	1291.8	1307.8
15°	1529.3	1521.3	1500.0	1475.9	1443.9	1403.9	1361.2	1339.8	1337.1	1345.2	1331.8
17.5°	1601.4	1590.7	1593.4	1558.7	1532.0	1478.6	1438.6	1398.5	1398.5	1409.2	1374.5
20°	1676.1	1670.8	1678.8	1670.8	1630.7	1582.7	1524.0	1475.9	1467.9	1473.3	1422.6
22.5°	1772.2	1764.2	1764.2	1766.8	1734.8	1686.8	1617.4	1569.3	1566.7	1545.3	1475.9
25°	1870.9	1862.9	1860.3	1865.6	1860.3	1804.2	1732.2	1684.1	1676.1	1646.7	1548.0
27.5°	1964.4	1964.4	1967.0	1972.4	1980.4	1935.0	1865.6	1812.2	1812.2	1780.2	1644.1
30°	2033.7	2033.7	2057.8	2068.4	2076.4	2065.8	1991.0	1940.3	1945.7	1903.0	1753.5
32.5°	2097.8	2100.5	2127.2	2153.8	2161.9	2169.9	2105.8	2073.8	2073.8	2033.7	1870.9
35°	2161.9	2161.9	2199.2	2252.6	2279.3	2271.3	2241.9	2231.2	2233.9	2225.9	2044.4
37.5°	2212.6	2217.9	2274.0	2340.7	2378.0	2391.4	2375.4	2410.1	2442.1	2466.1	2271.3
40°	2263.3	2263.3	2316.7	2388.7	2455.4	2492.8	2514.2	2644.9	2669.0	2677.0	2399.4
42.5°	2209.9	2223.2	2335.3	2442.1	2527.5	2591.6	2687.6	2882.5	2911.8	2821.1	2572.9
45°	2159.2	2175.2	2287.3	2466.1	2588.9	2717.0	2882.5	3080.0	3104.0	2967.9	2677.0
47.5°	2108.5	2127.2	2249.9	2444.8	2644.9	2855.8	3034.6	3253.5	3264.1	3088.0	2794.4
50°	2055.1	2073.8	2204.6	2420.7	2679.6	2997.2	3186.7	3410.9	3410.9	3194.7	2863.8
52.5°	1988.4	2009.7	2143.2	2383.4	2706.3	3093.3	3325.5	3525.7	3504.3	3322.9	2941.2
55°	1903.0	1932.3	2073.8	2330.0	2717.0	3144.0	3413.6	3637.8	3632.5	3480.3	3039.9
57.5°	1812.2	1836.2	1988.4	2260.6	2706.3	3178.7	3507.0	3832.6	3840.6	3616.4	3117.3
60°	1710.8	1726.8	1873.6	2164.5	2636.9	3240.1	3717.9	4040.8	4051.5	3741.9	3146.7
62.5°	1577.4	1588.0	1726.8	2033.7	2543.5	3280.1	3870.0	4230.3	4225.0	3854.0	3152.0
65°	1409.2	1422.6	1553.3	1860.3	2404.7	3253.5	3907.4	4313.0	4318.4	3907.4	3144.0
67.5°	1246.4	1254.4	1363.8	1630.7	2180.5	3125.3	3870.0	4361.1	4385.1	3952.7	3066.6
70°	1030.2	1032.9	1129.0	1366.5	1870.9	2879.8	3795.3	4390.4	4377.1	3899.3	2933.2
72.5°	792.7	795.3	867.4	1046.2	1454.6	2452.8	3531.0	4142.2	4118.2	3605.8	2644.9
75°	563.1	573.8	616.5	734.0	974.2	1790.9	3021.3	3667.1	3683.2	3208.1	2204.6
77.5°	320.3	331.0	365.6	459.1	560.5	1003.5	2282.0	3058.6	3069.3	2698.3	1692.1
80°	138.8	141.5	154.8	218.9	298.9	480.4	1169.0	2143.2	2298.0	1833.6	966.2
82.5°	117.4	117.4	122.8	128.1	130.8	218.9	453.7	664.6	685.9	541.8	314.9
85°	101.4	101.4	106.8	112.1	114.8	149.5	274.9	333.6	347.0	309.6	221.5
87.5°	80.1	80.1	88.1	93.4	93.4	122.8	205.5	248.2	256.2	248.2	197.5
90°	72.1	72.1	69.4	69.4	72.1	88.1	160.1	208.2	216.2	264.2	226.9
92.5°	61.4	64.1	64.1	64.1	56.0	64.1	114.8	184.2	200.2	261.6	205.5
95°	61.4	58.7	58.7	56.0	53.4	56.0	85.4	160.1	178.8	226.9	173.5
97.5°	42.7	40.0	42.7	45.4	48.0	50.7	72.1	117.4	130.8	176.2	128.1
100°	26.7	26.7	26.7	26.7	32.0	34.7	58.7	72.1	80.1	112.1	85.4
102.5°	16.0	13.3	13.3	13.3	16.0	21.4	29.4	40.0	42.7	64.1	50.7
105°	5.3	5.3	5.3	5.3	8.0	10.7	10.7	16.0	16.0	21.4	21.4
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	2.7
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	2.7



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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	2.7	2.7
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	2.7
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	2.7
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	2.7
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	2.7
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	2.7
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	2.7
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	2.7
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	2.7
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	2.7
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	2.7
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	0.0	2.7	2.7
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	2.7	2.7	2.7
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	2.7
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	2.7	2.7
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	2.7	2.7	2.7
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	2.7	2.7	2.7
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	2.7	2.7
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	2.7	2.7	2.7
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	2.7	2.7	2.7
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	2.7	2.7	2.7
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	2.7	2.7
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	2.7
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	2.7	2.7	2.7
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	0.0	2.7	2.7
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	2.7
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	2.7	2.7	2.7
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°	1222.4	1222.4	1222.4	1222.4	1222.4	1222.4	1222.4	1222.4	1222.4	1222.4	1222.4
2.5°	1227.7	1233.1	1243.7	1257.1	1273.1	1286.4	1297.1	1299.8	1305.1	1305.1	1310.5
5°	1254.4	1265.1	1281.1	1299.8	1307.8	1302.5	1302.5	1305.1	1310.5	1323.8	1329.1
7.5°	1283.8	1291.8	1291.8	1299.8	1315.8	1310.5	1307.8	1305.1	1305.1	1299.8	1307.8
10°	1294.4	1283.8	1297.1	1294.4	1289.1	1299.8	1302.5	1286.4	1289.1	1289.1	1291.8
12.5°	1297.1	1297.1	1286.4	1286.4	1286.4	1262.4	1257.1	1270.4	1257.1	1262.4	1259.7
15°	1326.5	1305.1	1291.8	1275.8	1254.4	1246.4	1227.7	1206.4	1206.4	1211.7	1211.7
17.5°	1347.8	1326.5	1286.4	1243.7	1235.7	1198.4	1185.0	1179.7	1177.0	1179.7	1185.0
20°	1379.9	1347.8	1281.1	1238.4	1169.0	1155.7	1131.6	1129.0	1123.6	1104.9	1099.6
22.5°	1422.6	1371.8	1278.4	1193.0	1137.0	1091.6	1048.9	1022.2	1019.5	1006.2	998.2
25°	1470.6	1419.9	1289.1	1171.7	1078.3	1011.5	976.8	915.5	886.1	896.8	891.4
27.5°	1569.3	1475.9	1307.8	1142.3	1030.2	926.1	846.1	808.7	771.3	771.3	776.7
30°	1660.1	1548.0	1307.8	1115.6	950.1	824.7	720.6	661.9	645.9	635.2	629.9
32.5°	1796.2	1638.7	1363.8	1078.3	875.4	693.9	576.5	507.1	509.8	520.4	517.8
35°	1953.7	1782.9	1379.9	1024.9	766.0	563.1	445.7	408.4	429.7	435.0	435.0
37.5°	2143.2	1959.0	1451.9	982.2	651.2	416.4	352.3	336.3	355.0	352.3	363.0
40°	2247.3	2044.4	1513.3	928.8	499.1	306.9	272.2	261.6	290.9	314.9	320.3
42.5°	2394.1	2145.8	1572.0	827.4	339.0	224.2	208.2	242.9	285.6	312.3	314.9
45°	2474.1	2204.6	1548.0	701.9	216.2	181.5	202.8	245.5	290.9	317.6	320.3
47.5°	2570.2	2282.0	1505.3	547.1	173.5	178.8	205.5	250.9	298.9	322.9	322.9
50°	2666.3	2359.4	1401.2	429.7	162.8	176.2	210.8	253.6	296.3	312.3	312.3
52.5°	2722.3	2426.1	1278.4	312.3	160.1	176.2	213.5	256.2	293.6	301.6	301.6
55°	2773.0	2431.4	1171.7	232.2	157.5	178.8	216.2	261.6	296.3	304.3	301.6
57.5°	2802.4	2396.7	1096.9	200.2	154.8	178.8	218.9	266.9	317.6	336.3	331.0
60°	2786.4	2343.3	1040.9	186.8	152.1	178.8	221.5	282.9	403.0	435.0	424.4
62.5°	2759.7	2306.0	923.5	170.8	146.8	178.8	224.2	320.3	448.4	464.4	451.1
65°	2725.0	2196.6	790.0	154.8	141.5	176.2	226.9	347.0	427.0	427.0	424.4
67.5°	2580.9	2049.8	589.8	138.8	133.4	176.2	232.2	341.6	411.0	445.7	445.7
70°	2388.7	1804.2	389.7	122.8	125.4	170.8	242.9	347.0	424.4	472.4	467.1
72.5°	2023.1	1497.3	216.2	106.8	114.8	168.1	242.9	368.3	459.1	512.4	504.4
75°	1652.1	1107.6	154.8	96.1	104.1	162.8	245.5	381.7	491.1	547.1	533.8
77.5°	1163.7	635.2	122.8	82.7	93.4	154.8	242.9	376.3	507.1	557.8	541.8
80°	491.1	229.5	101.4	74.7	80.1	138.8	224.2	360.3	507.1	589.8	581.8
82.5°	221.5	162.8	88.1	66.7	74.7	114.8	208.2	347.0	491.1	592.5	640.5
85°	173.5	133.4	74.7	58.7	66.7	109.4	186.8	331.0	469.7	547.1	600.5
87.5°	165.5	133.4	66.7	53.4	61.4	93.4	144.1	306.9	421.7	504.4	547.1
90°	178.8	138.8	53.4	45.4	56.0	82.7	117.4	258.9	365.6	443.0	443.0
92.5°	165.5	128.1	40.0	34.7	58.7	66.7	112.1	160.1	264.2	221.5	274.9
95°	138.8	106.8	26.7	24.0	56.0	56.0	61.4	74.7	184.2	5.3	0.0
97.5°	101.4	77.4	16.0	13.3	42.7	45.4	29.4	34.7	74.7	0.0	0.0
100°	74.7	50.7	10.7	10.7	26.7	37.4	18.7	18.7	0.0	0.0	0.0
102.5°	40.0	26.7	8.0	5.3	13.3	21.4	8.0	5.3	0.0	0.0	0.0
105°	21.4	10.7	2.7	2.7	2.7	2.7	0.0	0.0	0.0	0.0	0.0
107.5°	5.3	2.7	2.7	2.7	2.7	0.0	0.0	0.0	0.0	0.0	0.0
110°	2.7	2.7	2.7	2.7	2.7	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°	2.7	2.7	2.7	2.7	2.7	0.0	0.0	0.0	0.0	0.0	0.0
115°	2.7	2.7	2.7	2.7	2.7	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	2.7	2.7	2.7	2.7	2.7	0.0	0.0	0.0	0.0	0.0	0.0
120°	2.7	2.7	2.7	2.7	2.7	2.7	0.0	0.0	0.0	0.0	0.0
122.5°	2.7	2.7	2.7	2.7	2.7	0.0	0.0	0.0	0.0	0.0	0.0
125°	2.7	2.7	2.7	2.7	2.7	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	2.7	2.7	2.7	2.7	2.7	2.7	0.0	0.0	0.0	0.0	0.0
130°	2.7	2.7	2.7	2.7	2.7	2.7	0.0	0.0	0.0	0.0	0.0
132.5°	2.7	2.7	2.7	2.7	2.7	2.7	0.0	0.0	0.0	0.0	0.0
135°	2.7	2.7	2.7	2.7	2.7	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	2.7	2.7	2.7	2.7	2.7	0.0	0.0	0.0	0.0	0.0	0.0
140°	2.7	2.7	2.7	2.7	2.7	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	2.7	2.7	2.7	2.7	2.7	0.0	0.0	0.0	0.0	0.0	0.0
145°	2.7	2.7	2.7	2.7	2.7	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	2.7	2.7	2.7	2.7	2.7	0.0	0.0	0.0	0.0	0.0	0.0
150°	2.7	2.7	2.7	2.7	2.7	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	2.7	2.7	2.7	2.7	2.7	0.0	0.0	0.0	0.0	0.0	0.0
155°	2.7	2.7	2.7	2.7	2.7	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	2.7	2.7	2.7	2.7	2.7	0.0	0.0	0.0	0.0	0.0	0.0
160°	2.7	2.7	2.7	2.7	2.7	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	2.7	2.7	2.7	2.7	2.7	0.0	0.0	0.0	0.0	0.0	0.0
165°	2.7	2.7	2.7	2.7	2.7	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	2.7	2.7	2.7	2.7	2.7	0.0	0.0	0.0	0.0	0.0	0.0
170°	2.7	2.7	2.7	2.7	2.7	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	2.7	2.7	2.7	2.7	2.7	0.0	0.0	0.0	0.0	0.0	0.0
175°	2.7	2.7	2.7	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	2.7	2.7	2.7	2.7	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)