

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: P691711

Luminaire Tested: **CRTK2-C018-D-U-T3-7050**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691711
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-D-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: 7052 lumens
Efficiency: N/A
Efficacy: 139.9 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.08')
IES Classification: Type III - Medium
BUG Rating: B1 - U3 - G2

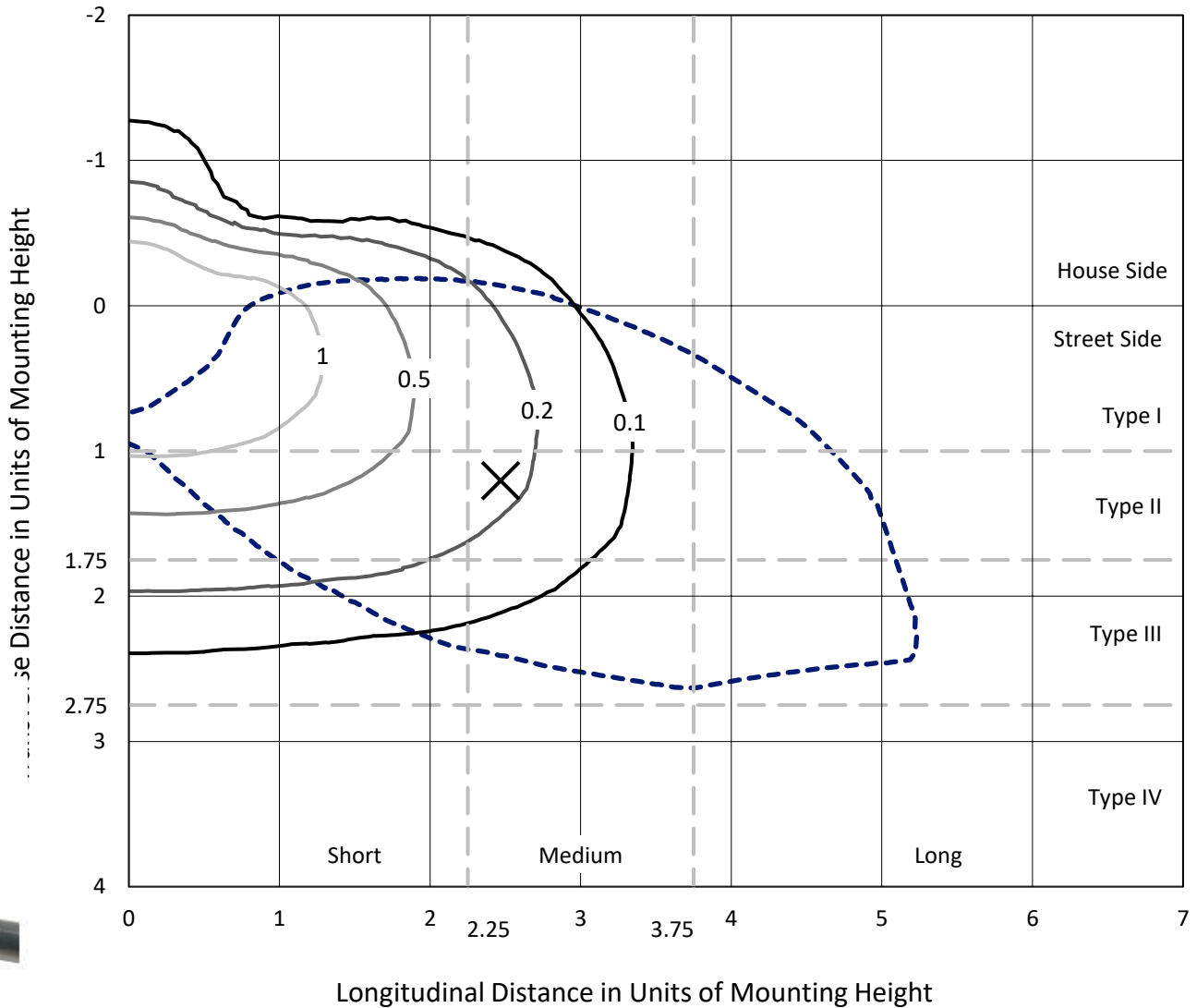
Input Watts (W): 50.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

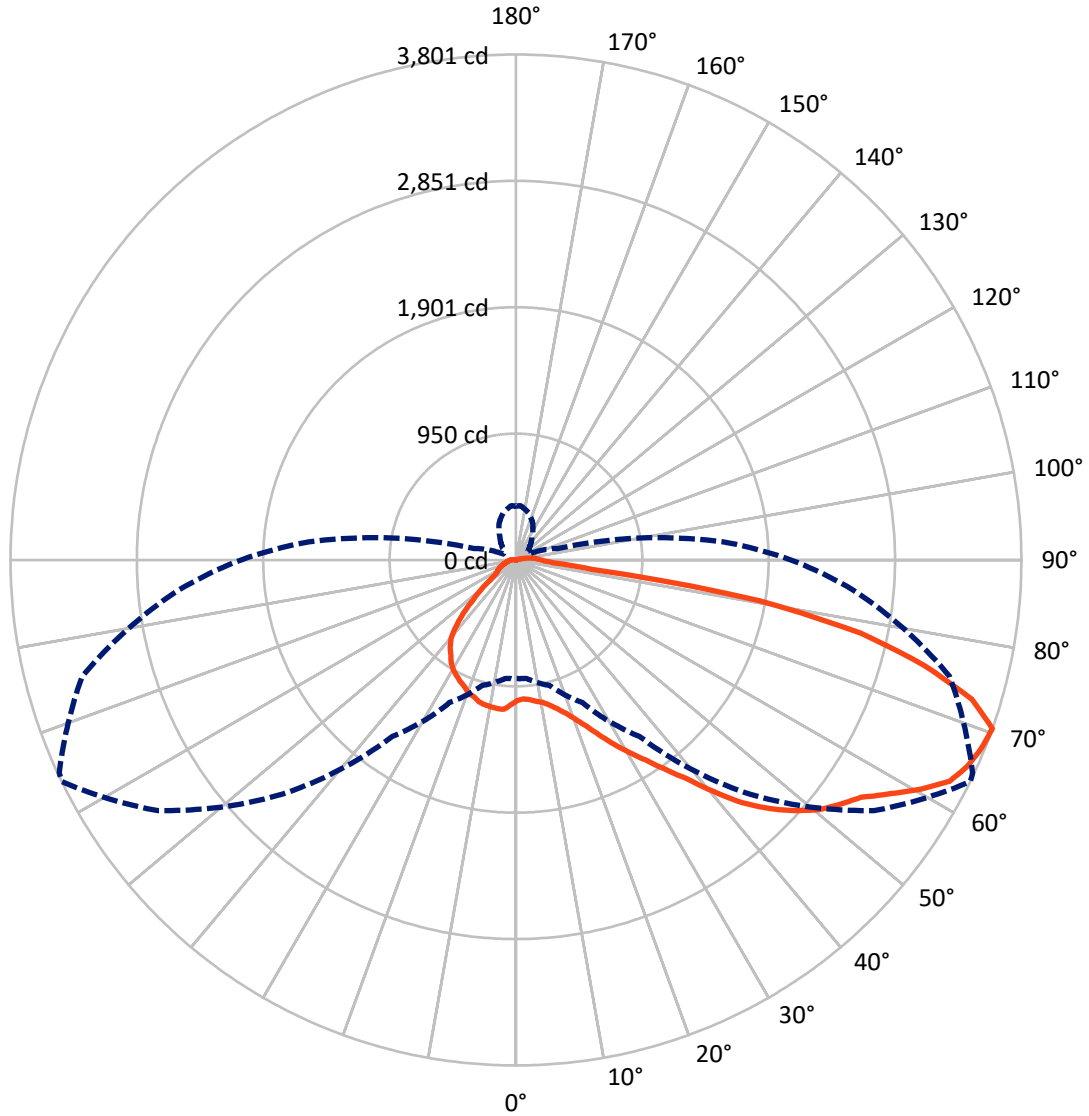
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.9 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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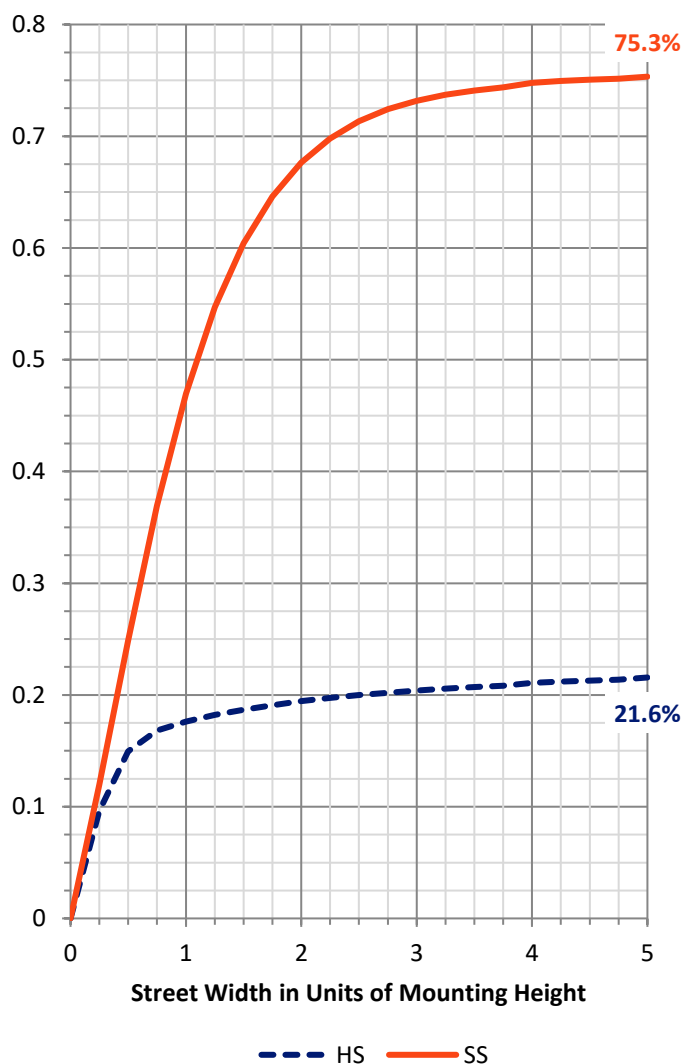
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1607.6	43.5	1651.2
	% Fixture	22.8	0.6	23.4
Street Side	Lumens	5344.6	56.2	5400.8
	% Fixture	75.8	0.8	76.6
Total	Lumens	6952.2	99.8	7052.0
	% Fixture	98.6	1.4	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	105.5	1.5
10°-20°	328.3	4.7
20°-30°	569.6	8.1
30°-40°	826.6	11.7
40°-50°	1109.2	15.7
50°-60°	1341.2	19.0
60°-70°	1443.7	20.5
70°-80°	991.6	14.1
80°-90°	236.6	3.4
90°-100°	85.6	1.2
100°-110°	10.7	0.2
110°-120°	0.8	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°	6952.2	98.6
0°-180°	7052.0	100.0

Coefficient of Utilization

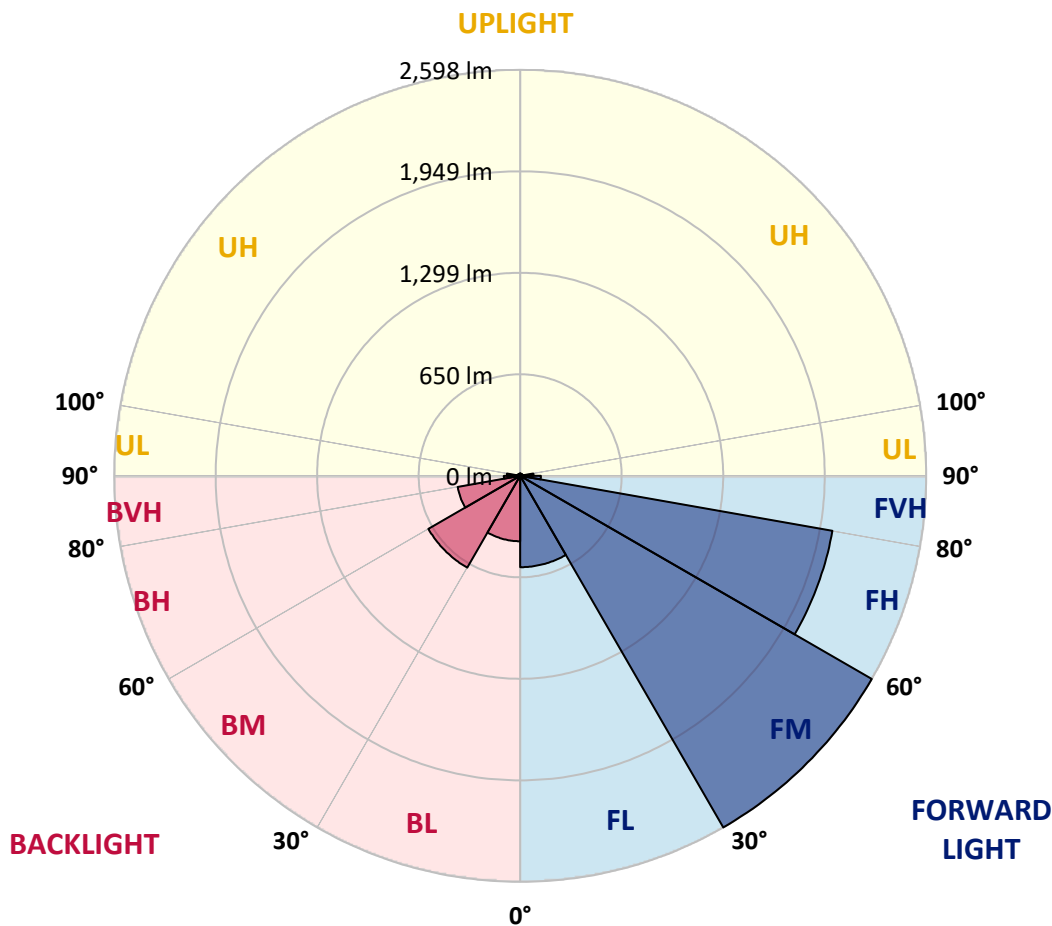


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	584.7	8.3			
FM (30°-60°)	2598.5	36.8			
FH (60°-80°)	2029.0	28.8			G2/5000
FVH (80°-90°)	132.4	1.9			G2/225
BL (0°-30°)	418.7	5.9	B1/500		
BM (30°-60°)	678.5	9.6	B1/1000		
BH (60°-80°)	406.2	5.8	B1/500		G1/500
BVH (80°-90°)	104.2	1.5			G2/225
UL (90°-100°)	85.6	1.2		U3/500	
UH (100°-180°)	14.2	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°	1058.3	1058.3	1058.3	1058.3	1058.3	1058.3	1058.3	1058.3	1058.3	1058.3	1058.3
2.5°	1049.1	1049.1	1046.8	1046.8	1049.1	1051.4	1049.1	1046.8	1049.1	1051.4	1058.3
5°	1090.7	1088.4	1086.1	1076.8	1067.6	1060.7	1056.0	1053.7	1056.0	1065.3	1081.5
7.5°	1118.4	1116.1	1116.1	1113.8	1104.6	1086.1	1074.5	1072.2	1072.2	1074.5	1095.3
10°	1176.2	1171.6	1162.3	1146.2	1136.9	1113.8	1093.0	1088.4	1088.4	1093.0	1118.4
12.5°	1238.6	1229.3	1231.7	1213.2	1185.4	1160.0	1130.0	1118.4	1113.8	1118.4	1132.3
15°	1324.1	1317.2	1298.7	1277.9	1250.1	1215.5	1178.5	1160.0	1157.7	1164.6	1153.1
17.5°	1386.5	1377.2	1379.5	1349.5	1326.4	1280.2	1245.5	1210.9	1210.9	1220.1	1190.1
20°	1451.2	1446.6	1453.5	1446.6	1411.9	1370.3	1319.5	1277.9	1270.9	1275.6	1231.7
22.5°	1534.4	1527.4	1527.4	1529.8	1502.0	1460.4	1400.3	1358.8	1356.4	1338.0	1277.9
25°	1619.9	1612.9	1610.6	1615.3	1610.6	1562.1	1499.7	1458.1	1451.2	1425.8	1340.3
27.5°	1700.8	1700.8	1703.1	1707.7	1714.6	1675.3	1615.3	1569.0	1569.0	1541.3	1423.5
30°	1760.8	1760.8	1781.6	1790.9	1797.8	1788.6	1723.9	1680.0	1684.6	1647.6	1518.2
32.5°	1816.3	1818.6	1841.7	1864.8	1871.8	1878.7	1823.2	1795.5	1795.5	1760.8	1619.9
35°	1871.8	1871.8	1904.1	1950.3	1973.4	1966.5	1941.1	1931.8	1934.1	1927.2	1770.1
37.5°	1915.7	1920.3	1968.8	2026.6	2058.9	2070.5	2056.6	2086.7	2114.4	2135.2	1966.5
40°	1959.6	1959.6	2005.8	2068.2	2125.9	2158.3	2176.8	2290.0	2310.8	2317.7	2077.4
42.5°	1913.3	1924.9	2022.0	2114.4	2188.3	2243.8	2327.0	2495.7	2521.1	2442.5	2227.6
45°	1869.4	1883.3	1980.4	2135.2	2241.5	2352.4	2495.7	2666.7	2687.5	2569.6	2317.7
47.5°	1825.5	1841.7	1948.0	2116.7	2290.0	2472.6	2627.4	2816.9	2826.1	2673.6	2419.4
50°	1779.3	1795.5	1908.7	2095.9	2320.0	2595.0	2759.1	2953.2	2953.2	2766.0	2479.5
52.5°	1721.5	1740.0	1855.6	2063.5	2343.2	2678.2	2879.3	3052.6	3034.1	2876.9	2546.5
55°	1647.6	1673.0	1795.5	2017.3	2352.4	2722.1	2955.5	3149.6	3145.0	3013.3	2632.0
57.5°	1569.0	1589.8	1721.5	1957.2	2343.2	2752.2	3036.4	3318.3	3325.2	3131.1	2699.0
60°	1481.2	1495.1	1622.2	1874.1	2283.1	2805.3	3218.9	3498.6	3507.8	3239.7	2724.4
62.5°	1365.7	1374.9	1495.1	1760.8	2202.2	2840.0	3350.7	3662.6	3658.0	3336.8	2729.1
65°	1220.1	1231.7	1344.9	1610.6	2082.0	2816.9	3383.0	3734.3	3738.9	3383.0	2722.1
67.5°	1079.1	1086.1	1180.8	1411.9	1887.9	2705.9	3350.7	3775.9	3796.6	3422.3	2655.1
70°	892.0	894.3	977.5	1183.1	1619.9	2493.4	3286.0	3801.3	3789.7	3376.1	2539.6
72.5°	686.3	688.6	751.0	905.8	1259.4	2123.6	3057.2	3586.4	3565.6	3121.9	2290.0
75°	487.6	496.8	533.8	635.5	843.4	1550.5	2615.8	3175.0	3188.9	2777.6	1908.7
77.5°	277.3	286.5	316.6	397.5	485.3	868.9	1975.7	2648.2	2657.4	2336.2	1465.0
80°	120.2	122.5	134.0	189.5	258.8	415.9	1012.1	1855.6	1989.6	1587.5	836.5
82.5°	101.7	101.7	106.3	110.9	113.2	189.5	392.8	575.4	593.9	469.1	272.7
85°	87.8	87.8	92.4	97.1	99.4	129.4	238.0	288.9	300.4	268.1	191.8
87.5°	69.3	69.3	76.3	80.9	80.9	106.3	177.9	214.9	221.8	214.9	171.0
90°	62.4	62.4	60.1	60.1	62.4	76.3	138.6	180.2	187.2	228.8	196.4
92.5°	53.1	55.5	55.5	55.5	48.5	55.5	99.4	159.4	173.3	226.5	177.9
95°	53.1	50.8	50.8	48.5	46.2	48.5	73.9	138.6	154.8	196.4	150.2
97.5°	37.0	34.7	37.0	39.3	41.6	43.9	62.4	101.7	113.2	152.5	110.9
100°	23.1	23.1	23.1	23.1	27.7	30.0	50.8	62.4	69.3	97.1	73.9
102.5°	13.9	11.6	11.6	11.6	13.9	18.5	25.4	34.7	37.0	55.5	43.9
105°	4.6	4.6	4.6	4.6	6.9	9.2	9.2	13.9	13.9	18.5	18.5
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	2.3
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	2.3



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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	2.3	2.3
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	2.3
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	2.3
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	2.3
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	2.3
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	2.3
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	2.3
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	2.3
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	2.3
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	2.3
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	2.3
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	0.0	2.3	2.3
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	2.3	2.3	2.3
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	2.3
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	2.3	2.3
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	2.3	2.3	2.3
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	2.3	2.3	2.3
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	2.3	2.3
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	2.3	2.3	2.3
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	2.3	2.3	2.3
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	2.3	2.3	2.3
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	2.3	2.3
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	2.3
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	2.3	2.3	2.3
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	0.0	2.3	2.3
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	2.3
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	2.3	2.3	2.3
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°	1058.3	1058.3	1058.3	1058.3	1058.3	1058.3	1058.3	1058.3	1058.3	1058.3	1058.3
2.5°	1063.0	1067.6	1076.8	1088.4	1102.3	1113.8	1123.1	1125.4	1130.0	1130.0	1134.6
5°	1086.1	1095.3	1109.2	1125.4	1132.3	1127.7	1127.7	1130.0	1134.6	1146.2	1150.8
7.5°	1111.5	1118.4	1118.4	1125.4	1139.2	1134.6	1132.3	1130.0	1130.0	1125.4	1132.3
10°	1120.7	1111.5	1123.1	1120.7	1116.1	1125.4	1127.7	1113.8	1116.1	1116.1	1118.4
12.5°	1123.1	1123.1	1113.8	1113.8	1113.8	1093.0	1088.4	1099.9	1088.4	1093.0	1090.7
15°	1148.5	1130.0	1118.4	1104.6	1086.1	1079.1	1063.0	1044.5	1044.5	1049.1	1049.1
17.5°	1167.0	1148.5	1113.8	1076.8	1069.9	1037.6	1026.0	1021.4	1019.1	1021.4	1026.0
20°	1194.7	1167.0	1109.2	1072.2	1012.1	1000.6	979.8	977.5	972.8	956.7	952.1
22.5°	1231.7	1187.8	1106.9	1032.9	984.4	945.1	908.1	885.0	882.7	871.2	864.2
25°	1273.3	1229.3	1116.1	1014.4	933.6	875.8	845.8	792.6	767.2	776.4	771.8
27.5°	1358.8	1277.9	1132.3	989.0	892.0	801.8	732.5	700.2	667.8	667.8	672.4
30°	1437.3	1340.3	1132.3	965.9	822.6	714.0	623.9	573.1	559.2	550.0	545.3
32.5°	1555.2	1418.8	1180.8	933.6	757.9	600.8	499.1	439.1	441.4	450.6	448.3
35°	1691.5	1543.6	1194.7	887.3	663.2	487.6	385.9	353.6	372.0	376.7	376.7
37.5°	1855.6	1696.1	1257.1	850.4	563.8	360.5	305.0	291.2	307.3	305.0	314.3
40°	1945.7	1770.1	1310.2	804.2	432.1	265.7	235.7	226.5	251.9	272.7	277.3
42.5°	2072.8	1857.9	1361.1	716.3	293.5	194.1	180.2	210.3	247.3	270.4	272.7
45°	2142.1	1908.7	1340.3	607.7	187.2	157.1	175.6	212.6	251.9	275.0	277.3
47.5°	2225.3	1975.7	1303.3	473.7	150.2	154.8	177.9	217.2	258.8	279.6	279.6
50°	2308.5	2042.7	1213.2	372.0	141.0	152.5	182.6	219.5	256.5	270.4	270.4
52.5°	2357.0	2100.5	1106.9	270.4	138.6	152.5	184.9	221.8	254.2	261.1	261.1
55°	2400.9	2105.1	1014.4	201.0	136.3	154.8	187.2	226.5	256.5	263.4	261.1
57.5°	2426.3	2075.1	949.7	173.3	134.0	154.8	189.5	231.1	275.0	291.2	286.5
60°	2412.5	2028.9	901.2	161.8	131.7	154.8	191.8	244.9	348.9	376.7	367.4
62.5°	2389.4	1996.5	799.5	147.9	127.1	154.8	194.1	277.3	388.2	402.1	390.5
65°	2359.3	1901.8	684.0	134.0	122.5	152.5	196.4	300.4	369.7	369.7	367.4
67.5°	2234.5	1774.7	510.7	120.2	115.5	152.5	201.0	295.8	355.9	385.9	385.9
70°	2068.2	1562.1	337.4	106.3	108.6	147.9	210.3	300.4	367.4	409.0	404.4
72.5°	1751.6	1296.4	187.2	92.4	99.4	145.6	210.3	318.9	397.5	443.7	436.7
75°	1430.4	959.0	134.0	83.2	90.1	141.0	212.6	330.4	425.2	473.7	462.2
77.5°	1007.5	550.0	106.3	71.6	80.9	134.0	210.3	325.8	439.1	483.0	469.1
80°	425.2	198.7	87.8	64.7	69.3	120.2	194.1	312.0	439.1	510.7	503.8
82.5°	191.8	141.0	76.3	57.8	64.7	99.4	180.2	300.4	425.2	513.0	554.6
85°	150.2	115.5	64.7	50.8	57.8	94.7	161.8	286.5	406.7	473.7	519.9
87.5°	143.3	115.5	57.8	46.2	53.1	80.9	124.8	265.7	365.1	436.7	473.7
90°	154.8	120.2	46.2	39.3	48.5	71.6	101.7	224.1	316.6	383.6	383.6
92.5°	143.3	110.9	34.7	30.0	50.8	57.8	97.1	138.6	228.8	191.8	238.0
95°	120.2	92.4	23.1	20.8	48.5	48.5	53.1	64.7	159.4	4.6	0.0
97.5°	87.8	67.0	13.9	11.6	37.0	39.3	25.4	30.0	64.7	0.0	0.0
100°	64.7	43.9	9.2	9.2	23.1	32.4	16.2	16.2	0.0	0.0	0.0
102.5°	34.7	23.1	6.9	4.6	11.6	18.5	6.9	4.6	0.0	0.0	0.0
105°	18.5	9.2	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0
107.5°	4.6	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0	0.0
110°	2.3	2.3	2.3	2.3	2.3	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°	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0	0.0
115°	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0	0.0
120°	2.3	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0
122.5°	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0	0.0
125°	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	2.3	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0
130°	2.3	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0
132.5°	2.3	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0
135°	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0	0.0
140°	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0	0.0
145°	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0	0.0
150°	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0	0.0
155°	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0	0.0
160°	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0	0.0
165°	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0	0.0
170°	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0	0.0
175°	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	2.3	2.3	2.3	2.3	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)