

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: P692011

Luminaire Tested: **CRTK2-C01HO-D-U-T5R-7050-RMARROA5**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P692011
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-23)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C01HO-D-U-T5R-7050-RMARROA5
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 5000K LED WITH TYPE V ROUND OPTIC AND NEMA REFRACTOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10285 lumens
Efficiency: N/A
Efficacy: 130.2 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.54')
IES Classification: Type V - Short
BUG Rating: B3 - U4 - G2

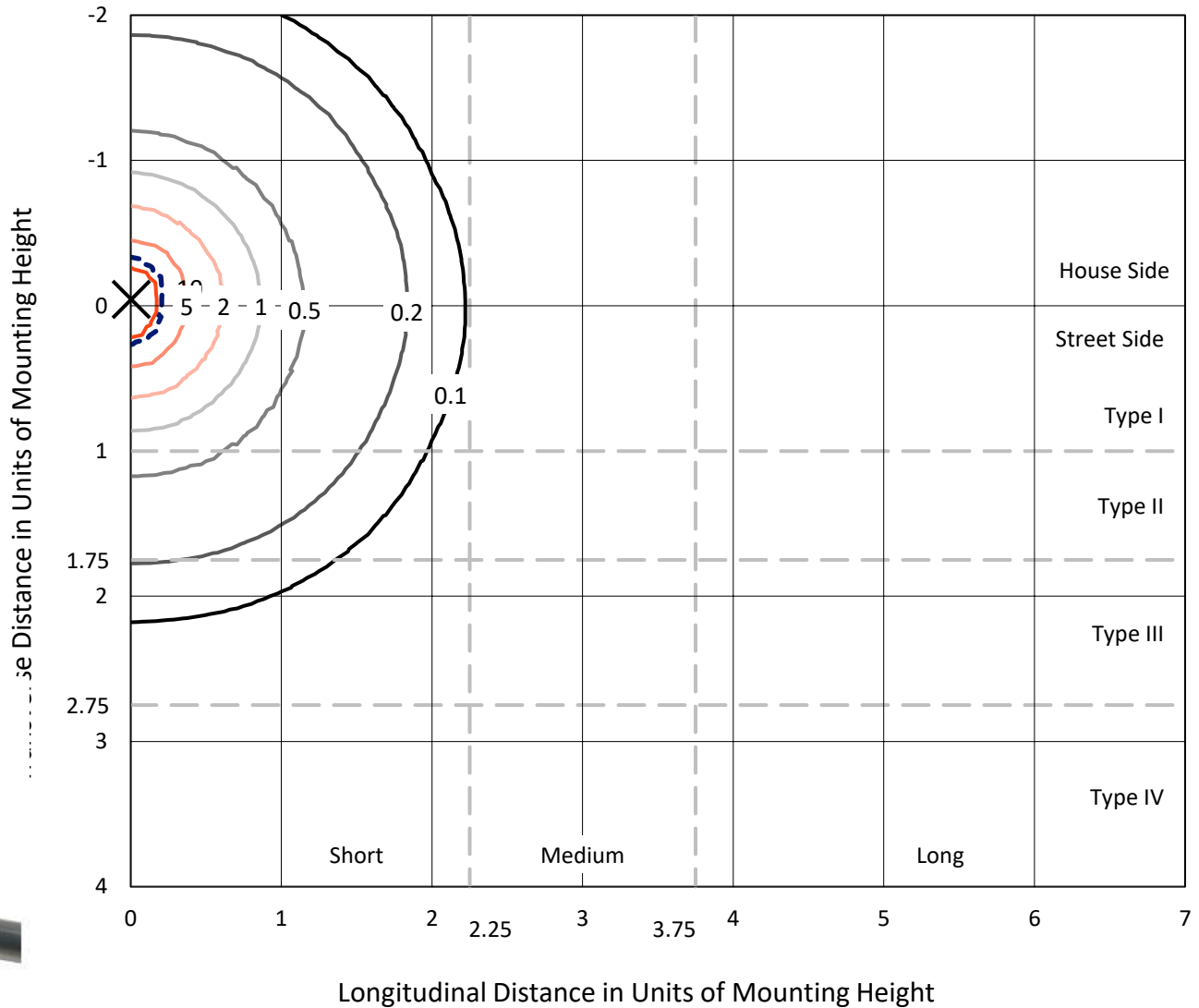
Input Watts (W): 79
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

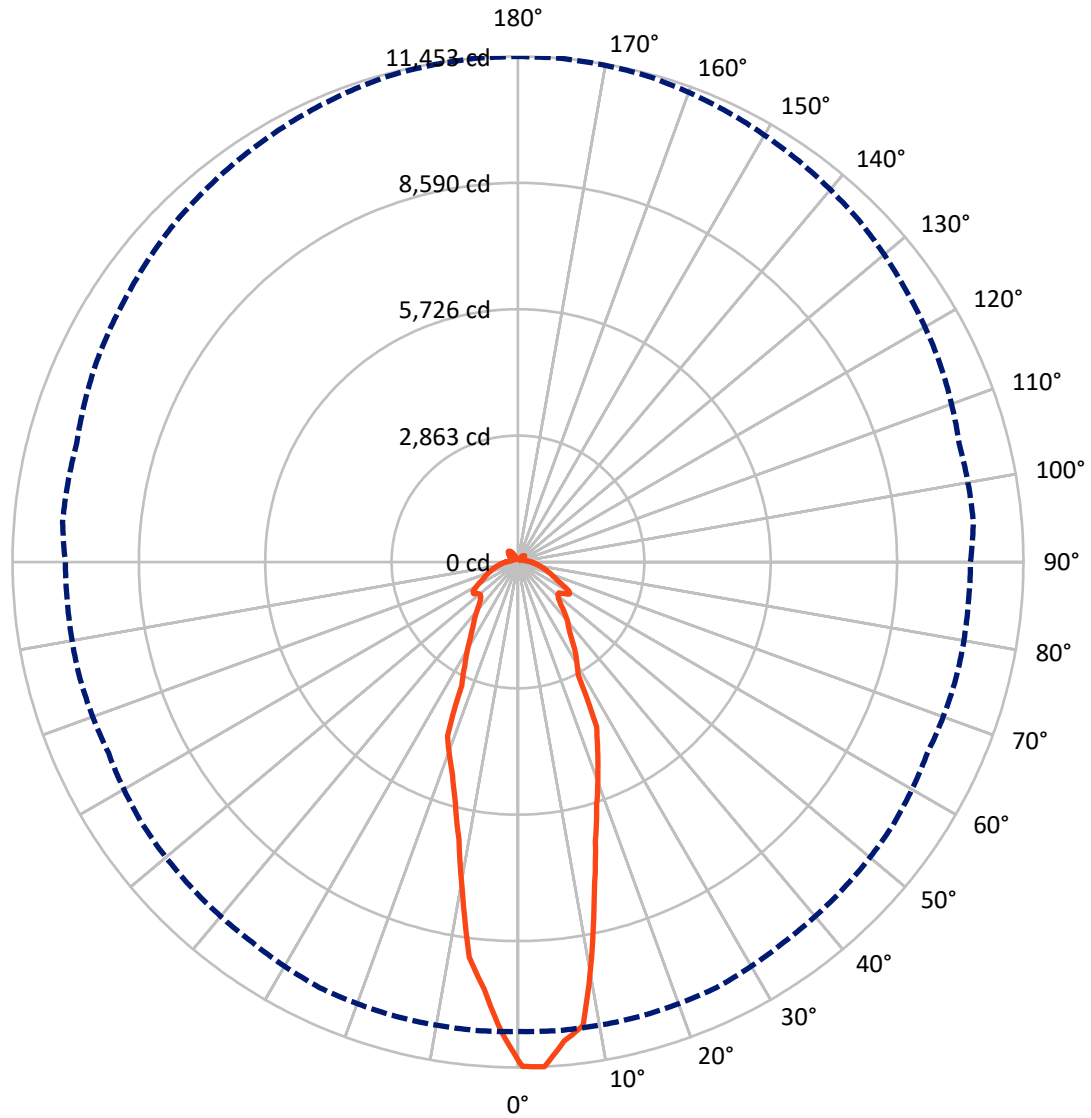
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 18.3 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 175-Deg Lateral - - - Horizontal Cone Through 2.5-Deg Vertical

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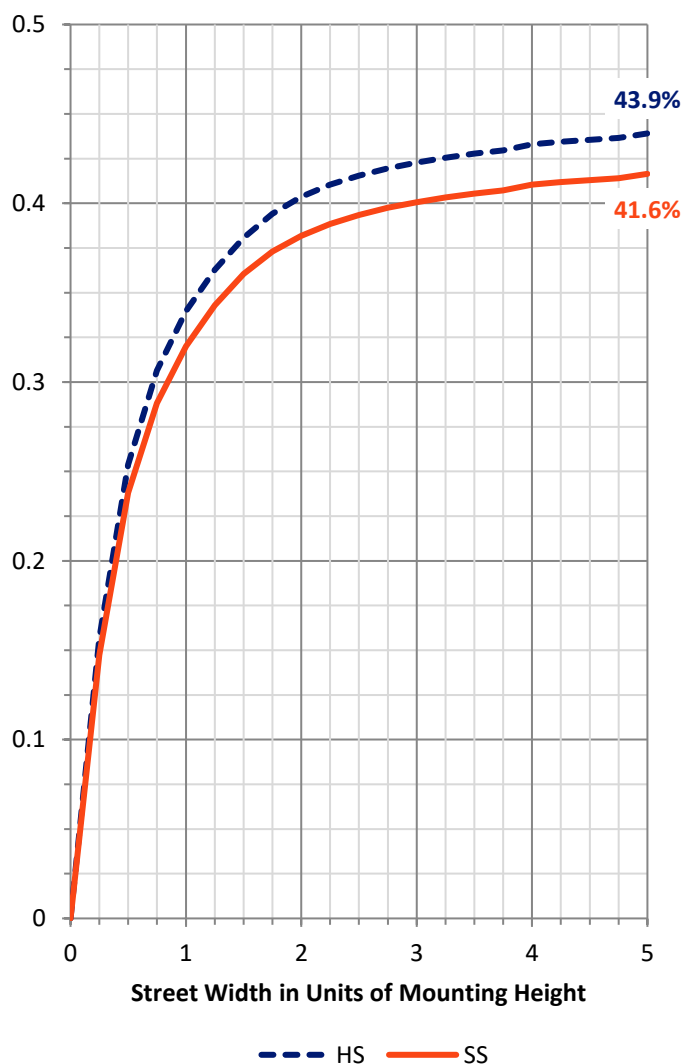
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4654.8	614.9	5269.7
	% Fixture	45.3	6.0	51.2
Street Side	Lumens	4384.1	631.1	5015.2
	% Fixture	42.6	6.1	48.8
Total	Lumens	9039.0	1246.0	10285.0
	% Fixture	87.9	12.1	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	850.9	8.3
10°-20°	1493.5	14.5
20°-30°	1481.0	14.4
30°-40°	1141.6	11.1
40°-50°	978.7	9.5
50°-60°	1094.6	10.6
60°-70°	937.8	9.1
70°-80°	645.4	6.3
80°-90°	415.4	4.0
90°-100°	248.9	2.4
100°-110°	148.1	1.4
110°-120°	137.1	1.3
120°-130°	195.6	1.9
130°-140°	252.8	2.5
140°-150°	187.1	1.8
150°-160°	68.4	0.7
160°-170°	8.0	0.1
170°-180°	0.0	0.0
0°-90°	9039.0	87.9
0°-180°	10285.0	100.0

Coefficient of Utilization



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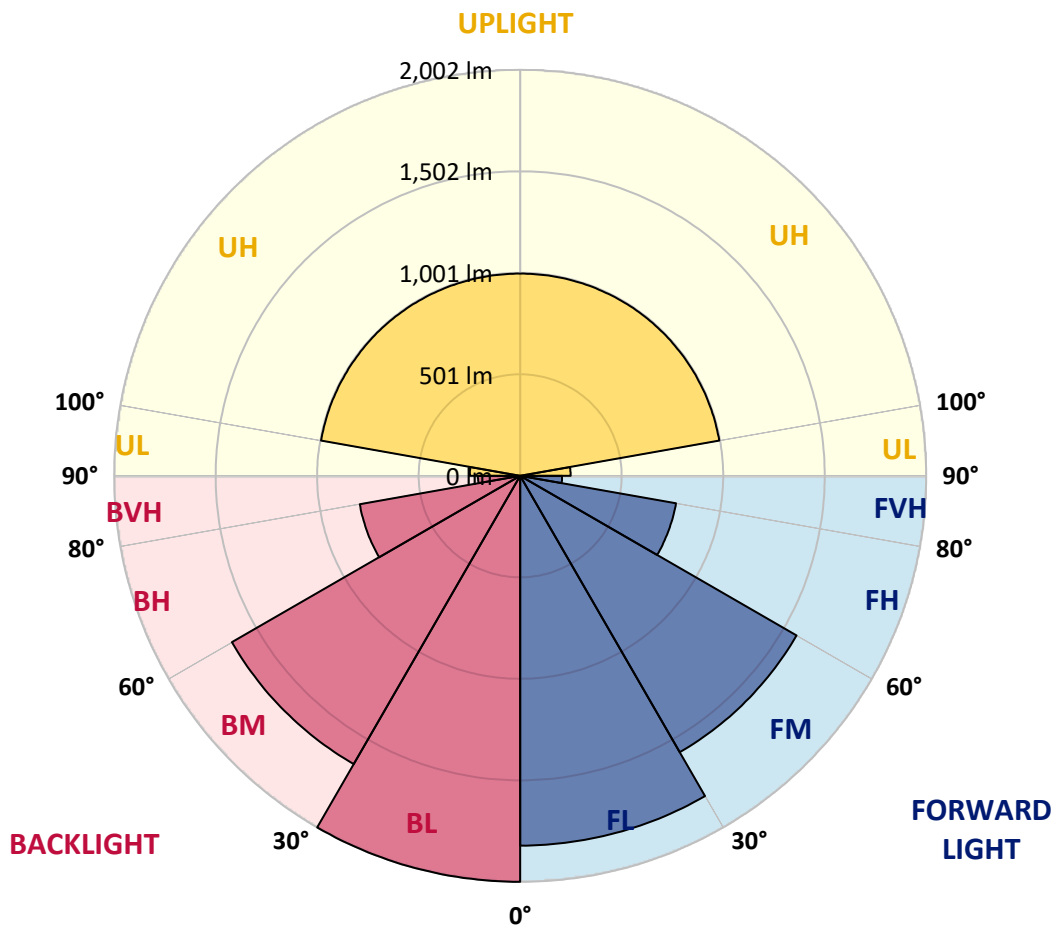
CATALOG NUMBER: CRTK2-C01HO-D-U-T5R-7050-RMARROA5

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1823.3	17.7			
FM (30°-60°)	1573.6	15.3			
FH (60°-80°)	780.1	7.6			G1/1800
FVH (80°-90°)	207.1	2.0			G2/225
BL (0°-30°)	2002.0	19.5	B3/2500		
BM (30°-60°)	1641.4	16.0	B2/2500		
BH (60°-80°)	803.0	7.8	B2/1000		G1/1800
BVH (80°-90°)	208.4	2.0			G2/225
UL (90°-100°)	248.9	2.4		U3/500	
UH (100°-180°)	997.1	9.7		U4/1000	

BUG Rating: B3-U4-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	11429.7	11429.7	11429.7	11429.7	11429.7	11429.7	11429.7	11429.7	11429.7	11429.7	11429.7
2.5°	10640.4	10655.9	10659.7	10640.4	10512.7	10446.9	10377.3	10238.0	10269.0	10249.6	10253.5
5°	9649.9	9711.8	9615.0	9588.0	9394.5	9251.3	9112.0	8961.1	8926.3	8864.4	8887.6
7.5°	8992.1	9026.9	8868.3	8705.8	8396.2	8175.7	7943.5	7711.4	7537.3	7471.5	7498.6
10°	7487.0	7603.0	7444.4	7278.0	6984.0	6720.9	6477.1	6248.8	6090.2	6039.9	6047.6
12.5°	6364.9	6430.7	6295.2	6183.0	5854.2	5602.7	5378.2	5165.4	5037.7	4983.6	4983.6
15°	5622.0	5649.1	5544.6	5327.9	5080.3	4852.0	4662.4	4507.7	4403.2	4383.8	4391.6
17.5°	5061.0	5061.0	4956.5	4786.2	4596.7	4395.5	4263.9	4147.8	4101.4	4116.9	4120.7
20°	4639.2	4643.1	4550.2	4383.8	4221.3	4039.5	3931.1	3849.9	3822.8	3849.9	3853.8
22.5°	4240.7	4260.0	4159.4	4035.6	3857.6	3714.5	3625.5	3536.5	3521.0	3532.6	3532.6
25°	3068.3	3068.3	3033.5	2936.7	2975.4	2990.9	3095.4	3319.8	3273.4	3315.9	3312.1
27.5°	2646.6	2662.0	2592.4	2507.3	2418.3	2313.8	2294.5	2275.1	2255.8	2344.8	2375.7
30°	2337.0	2344.8	2286.7	2228.7	2155.2	2097.1	2081.6	2081.6	2062.3	2131.9	2128.1
32.5°	2043.0	2031.3	2015.9	1961.7	1915.3	1865.0	1876.6	1868.8	1868.8	1930.7	1934.6
35°	1810.8	1806.9	1795.3	1756.6	1710.2	1671.5	1683.1	1690.9	1687.0	1725.7	1725.7
37.5°	1640.6	1644.4	1636.7	1621.2	1574.8	1543.8	1551.6	1543.8	1555.4	1582.5	1582.5
40°	1474.2	1474.2	1478.0	1474.2	1443.2	1431.6	1454.8	1443.2	1470.3	1489.7	1481.9
42.5°	1315.5	1319.4	1327.1	1319.4	1300.1	1288.5	1300.1	1303.9	1342.6	1369.7	1365.8
45°	1214.9	1214.9	1218.8	1214.9	1199.5	1187.9	1187.9	1176.2	1203.3	1218.8	1214.9
47.5°	1149.2	1149.2	1156.9	1153.0	1145.3	1133.7	1125.9	1110.5	1122.1	1133.7	1122.1
50°	1125.9	1125.9	1141.4	1141.4	1137.6	1125.9	1114.3	1095.0	1098.9	1106.6	1091.1
52.5°	1160.8	1160.8	1187.9	1199.5	1199.5	1180.1	1164.6	1137.6	1137.6	1145.3	1122.1
55°	1234.3	1234.3	1276.8	1300.1	1303.9	1303.9	1284.6	1257.5	1261.4	1276.8	1253.6
57.5°	1207.2	1211.1	1245.9	1276.8	1296.2	1307.8	1307.8	1292.3	1303.9	1342.6	1331.0
60°	1079.5	1087.3	1110.5	1137.6	1172.4	1184.0	1184.0	1180.1	1199.5	1245.9	1245.9
62.5°	959.6	963.4	975.0	998.3	1017.6	1025.3	1025.3	1009.9	1033.1	1056.3	1048.6
65°	866.7	862.8	886.1	905.4	917.0	928.6	917.0	901.5	913.1	928.6	924.7
67.5°	789.3	789.3	808.7	824.1	831.9	843.5	835.8	828.0	843.5	851.2	843.5
70°	715.8	719.7	735.2	746.8	754.5	766.1	754.5	750.6	766.1	773.8	770.0
72.5°	642.3	646.2	657.8	673.2	681.0	684.9	681.0	677.1	688.7	696.5	696.5
75°	576.5	580.4	588.1	603.6	603.6	611.3	607.5	603.6	615.2	622.9	622.9
77.5°	514.6	522.3	526.2	537.8	541.7	545.6	541.7	541.7	549.4	557.2	561.0
80°	460.4	464.3	468.2	479.8	479.8	483.7	479.8	479.8	487.5	499.1	499.1
82.5°	410.1	414.0	417.9	425.6	421.7	425.6	425.6	425.6	433.4	445.0	445.0
85°	359.8	367.6	367.6	375.3	375.3	375.3	375.3	379.2	383.1	394.7	394.7
87.5°	317.3	321.1	325.0	328.9	328.9	332.8	332.8	336.6	340.5	348.2	352.1
90°	274.7	278.6	282.5	282.5	282.5	286.3	286.3	290.2	294.1	301.8	305.7
92.5°	243.8	247.6	247.6	251.5	251.5	251.5	255.4	259.2	263.1	270.8	270.8
95°	216.7	220.5	220.5	220.5	220.5	224.4	224.4	228.3	232.2	239.9	239.9
97.5°	193.5	193.5	193.5	193.5	193.5	197.3	197.3	201.2	205.1	208.9	208.9
100°	170.2	170.2	170.2	170.2	170.2	170.2	170.2	174.1	174.1	181.9	181.9
102.5°	150.9	150.9	147.0	147.0	147.0	143.2	143.2	147.0	147.0	150.9	150.9
105°	135.4	135.4	135.4	135.4	131.6	131.6	131.6	131.6	131.6	135.4	135.4
107.5°	131.6	131.6	127.7	127.7	127.7	123.8	123.8	123.8	123.8	127.7	127.7
110°	127.7	127.7	127.7	127.7	123.8	123.8	119.9	119.9	119.9	123.8	123.8



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	131.6	131.6	131.6	127.7	127.7	123.8	123.8	123.8	123.8	123.8	127.7
115°	139.3	135.4	135.4	135.4	135.4	131.6	127.7	127.7	131.6	131.6	131.6
117.5°	150.9	147.0	147.0	150.9	147.0	143.2	139.3	139.3	143.2	143.2	147.0
120°	166.4	162.5	166.4	166.4	166.4	162.5	158.6	154.8	158.6	162.5	162.5
122.5°	185.7	181.9	185.7	189.6	189.6	185.7	178.0	178.0	181.9	185.7	189.6
125°	208.9	208.9	212.8	216.7	220.5	212.8	208.9	205.1	212.8	216.7	216.7
127.5°	236.0	232.2	239.9	251.5	255.4	247.6	239.9	236.0	243.8	251.5	251.5
130°	263.1	259.2	270.8	282.5	290.2	282.5	274.7	270.8	278.6	286.3	286.3
132.5°	286.3	282.5	297.9	313.4	321.1	317.3	309.5	301.8	313.4	321.1	317.3
135°	305.7	305.7	325.0	340.5	348.2	344.4	336.6	328.9	344.4	352.1	344.4
137.5°	317.3	317.3	340.5	356.0	363.7	363.7	359.8	352.1	367.6	371.4	359.8
140°	317.3	321.1	340.5	356.0	359.8	363.7	363.7	359.8	375.3	375.3	363.7
142.5°	305.7	309.5	328.9	344.4	348.2	352.1	356.0	352.1	363.7	363.7	356.0
145°	286.3	290.2	309.5	325.0	325.0	328.9	336.6	332.8	340.5	344.4	336.6
147.5°	259.2	263.1	278.6	286.3	290.2	297.9	305.7	305.7	309.5	313.4	309.5
150°	224.4	224.4	236.0	243.8	247.6	255.4	263.1	267.0	267.0	270.8	267.0
152.5°	178.0	178.0	185.7	193.5	197.3	208.9	212.8	216.7	220.5	224.4	220.5
155°	135.4	135.4	139.3	143.2	147.0	158.6	162.5	166.4	170.2	174.1	170.2
157.5°	96.7	96.7	100.6	104.5	108.3	116.1	119.9	123.8	123.8	127.7	127.7
160°	61.9	65.8	65.8	69.6	69.6	77.4	81.3	81.3	85.1	89.0	89.0
162.5°	31.0	34.8	34.8	38.7	42.6	46.4	50.3	50.3	54.2	54.2	54.2
165°	7.7	11.6	11.6	15.5	15.5	19.3	23.2	23.2	27.1	27.1	27.1
167.5°	0.0	3.9	3.9	3.9	3.9	3.9	3.9	7.7	7.7	7.7	7.7
170°	0.0	0.0	0.0	0.0	3.9	0.0	0.0	3.9	3.9	3.9	3.9
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	0.0	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):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	178°	180°
0°	11429.7	11429.7	11429.7	11429.7	11429.7	11429.7	11429.7	11429.7	11429.7	11429.7	11429.7
2.5°	10357.9	10350.2	10563.0	10733.3	10934.5	11093.1	11247.9	11394.9	11452.9	11449.1	11452.9
5°	8992.1	9127.5	9406.1	9680.8	10005.8	10311.5	10597.8	10787.4	10907.4	10907.4	10919.0
7.5°	7622.4	7839.1	8183.4	8620.7	9108.2	9506.7	9990.4	10330.9	10601.7	10594.0	10644.3
10°	6156.0	6326.2	6670.6	7138.7	7676.6	8137.0	8558.7	8876.0	9139.1	9123.7	9189.4
12.5°	5057.1	5177.0	5475.0	5900.6	6392.0	6836.9	7250.9	7498.6	7684.3	7680.4	7715.3
15°	4410.9	4534.7	4728.2	5022.3	5428.5	5823.2	6237.2	6461.6	6566.1	6554.5	6612.5
17.5°	4147.8	4198.1	4318.1	4515.4	4809.5	5130.6	5459.5	5653.0	5772.9	5757.4	5800.0
20°	3865.4	3911.8	3993.1	4140.1	4349.0	4592.8	4871.4	5084.2	5173.2	5169.3	5196.4
22.5°	3540.4	3563.6	3652.6	3768.6	3919.5	4116.9	4329.7	4523.1	4612.1	4608.3	4635.3
25°	3315.9	3354.6	3408.8	3478.4	3582.9	3737.7	3915.7	4051.1	4132.3	4124.6	4159.4
27.5°	2422.1	2460.8	2487.9	2530.5	2534.3	2662.0	2723.9	2836.1	2909.7	2905.8	2929.0
30°	2128.1	2135.8	2159.0	2217.1	2251.9	2352.5	2476.3	2561.4	2623.3	2646.6	2662.0
32.5°	1942.4	1965.6	1992.7	2019.7	2062.3	2124.2	2220.9	2298.3	2364.1	2375.7	2402.8
35°	1729.5	1745.0	1764.4	1791.5	1818.5	1868.8	1942.4	2004.3	2054.6	2073.9	2089.4
37.5°	1578.6	1582.5	1601.9	1632.8	1656.0	1698.6	1764.4	1810.8	1861.1	1865.0	1880.4
40°	1478.0	1481.9	1501.3	1528.3	1555.4	1582.5	1640.6	1683.1	1717.9	1721.8	1733.4
42.5°	1362.0	1373.6	1381.3	1392.9	1412.3	1435.5	1485.8	1509.0	1532.2	1536.1	1551.6
45°	1203.3	1207.2	1214.9	1226.5	1249.8	1273.0	1307.8	1334.9	1350.4	1350.4	1346.5
47.5°	1114.3	1118.2	1118.2	1133.7	1153.0	1176.2	1207.2	1230.4	1238.2	1238.2	1238.2
50°	1083.4	1083.4	1075.6	1087.3	1106.6	1122.1	1153.0	1172.4	1176.2	1180.1	1184.0
52.5°	1106.6	1098.9	1075.6	1087.3	1106.6	1122.1	1153.0	1160.8	1160.8	1168.5	1172.4
55°	1234.3	1222.7	1176.2	1184.0	1207.2	1226.5	1249.8	1253.6	1261.4	1273.0	1269.1
57.5°	1315.5	1323.3	1269.1	1280.7	1323.3	1338.8	1365.8	1362.0	1377.4	1392.9	1396.8
60°	1238.2	1261.4	1218.8	1234.3	1284.6	1292.3	1319.4	1303.9	1327.1	1327.1	1327.1
62.5°	1052.4	1060.2	1037.0	1060.2	1106.6	1106.6	1125.9	1114.3	1122.1	1114.3	1118.2
65°	920.9	917.0	889.9	920.9	936.4	944.1	959.6	963.4	963.4	955.7	955.7
67.5°	839.6	831.9	808.7	816.4	831.9	835.8	859.0	862.8	859.0	859.0	862.8
70°	766.1	754.5	731.3	735.2	746.8	750.6	770.0	777.7	773.8	770.0	773.8
72.5°	692.6	681.0	657.8	657.8	669.4	677.1	692.6	700.3	692.6	692.6	696.5
75°	622.9	611.3	588.1	588.1	595.9	599.7	619.1	622.9	619.1	615.2	619.1
77.5°	561.0	553.3	530.1	530.1	534.0	537.8	549.4	553.3	549.4	545.6	549.4
80°	503.0	491.4	475.9	472.0	475.9	475.9	487.5	491.4	483.7	483.7	487.5
82.5°	448.8	437.2	421.7	421.7	417.9	421.7	429.5	433.4	429.5	425.6	429.5
85°	398.5	390.8	375.3	371.4	371.4	371.4	379.2	379.2	375.3	375.3	375.3
87.5°	352.1	344.4	328.9	328.9	325.0	328.9	332.8	332.8	328.9	328.9	328.9
90°	305.7	297.9	286.3	286.3	282.5	286.3	290.2	290.2	286.3	286.3	286.3
92.5°	270.8	267.0	255.4	255.4	251.5	255.4	255.4	255.4	251.5	251.5	251.5
95°	239.9	236.0	228.3	224.4	224.4	224.4	224.4	224.4	220.5	220.5	220.5
97.5°	208.9	205.1	197.3	197.3	193.5	197.3	197.3	197.3	193.5	193.5	193.5
100°	181.9	178.0	174.1	174.1	170.2	170.2	170.2	170.2	170.2	170.2	170.2
102.5°	150.9	150.9	147.0	147.0	147.0	147.0	147.0	147.0	147.0	147.0	147.0
105°	135.4	135.4	135.4	135.4	139.3	139.3	139.3	135.4	135.4	135.4	135.4
107.5°	127.7	127.7	127.7	131.6	131.6	131.6	135.4	127.7	123.8	123.8	123.8
110°	123.8	123.8	127.7	127.7	131.6	131.6	135.4	119.9	116.1	116.1	116.1



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CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	178°	180°
112.5°	127.7	127.7	127.7	131.6	135.4	135.4	139.3	119.9	116.1	116.1	116.1
115°	135.4	135.4	135.4	139.3	143.2	147.0	147.0	127.7	119.9	119.9	123.8
117.5°	147.0	147.0	147.0	150.9	158.6	158.6	158.6	135.4	131.6	131.6	131.6
120°	162.5	166.4	166.4	170.2	178.0	181.9	174.1	154.8	131.6	143.2	143.2
122.5°	185.7	189.6	193.5	197.3	208.9	208.9	197.3	178.0	143.2	158.6	162.5
125°	216.7	220.5	224.4	232.2	243.8	243.8	228.3	201.2	162.5	178.0	181.9
127.5°	247.6	255.4	259.2	270.8	286.3	286.3	267.0	232.2	181.9	193.5	197.3
130°	282.5	290.2	297.9	313.4	332.8	325.0	309.5	263.1	197.3	205.1	205.1
132.5°	313.4	325.0	328.9	352.1	371.4	363.7	344.4	282.5	205.1	205.1	201.2
135°	336.6	344.4	348.2	371.4	390.8	379.2	356.0	290.2	201.2	193.5	193.5
137.5°	352.1	359.8	363.7	379.2	394.7	375.3	344.4	274.7	193.5	189.6	185.7
140°	359.8	359.8	359.8	371.4	379.2	356.0	317.3	247.6	174.1	181.9	181.9
142.5°	352.1	348.2	344.4	352.1	356.0	328.9	294.1	220.5	158.6	166.4	166.4
145°	332.8	325.0	321.1	325.0	325.0	294.1	255.4	189.6	139.3	143.2	143.2
147.5°	305.7	294.1	286.3	286.3	282.5	251.5	216.7	158.6	119.9	116.1	116.1
150°	263.1	251.5	243.8	243.8	232.2	205.1	174.1	123.8	96.7	96.7	96.7
152.5°	216.7	205.1	197.3	197.3	185.7	158.6	131.6	92.9	73.5	73.5	73.5
155°	170.2	158.6	150.9	147.0	139.3	119.9	96.7	69.6	54.2	54.2	54.2
157.5°	127.7	119.9	112.2	108.3	100.6	89.0	69.6	50.3	34.8	38.7	38.7
160°	89.0	81.3	77.4	73.5	69.6	58.0	46.4	31.0	19.3	19.3	19.3
162.5°	54.2	50.3	50.3	46.4	42.6	38.7	27.1	15.5	7.7	7.7	7.7
165°	27.1	27.1	23.2	23.2	19.3	15.5	11.6	3.9	0.0	0.0	0.0
167.5°	7.7	7.7	7.7	3.9	3.9	3.9	3.9	0.0	0.0	0.0	0.0
170°	3.9	3.9	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	0.0	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)