

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: P691966

Luminaire Tested: **CRTK2-C01HO-D-U-T3-7030-RMARROA5**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691966
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-15)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C01HO-D-U-T3-7030-RMARROA5
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K LED WITH TYPE III OPTIC AND NEMA REFRACTOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9395 lumens
Efficiency: N/A
Efficacy: 118.9 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.54')
IES Classification: Type I - Short
BUG Rating: B3 - U4 - G3

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

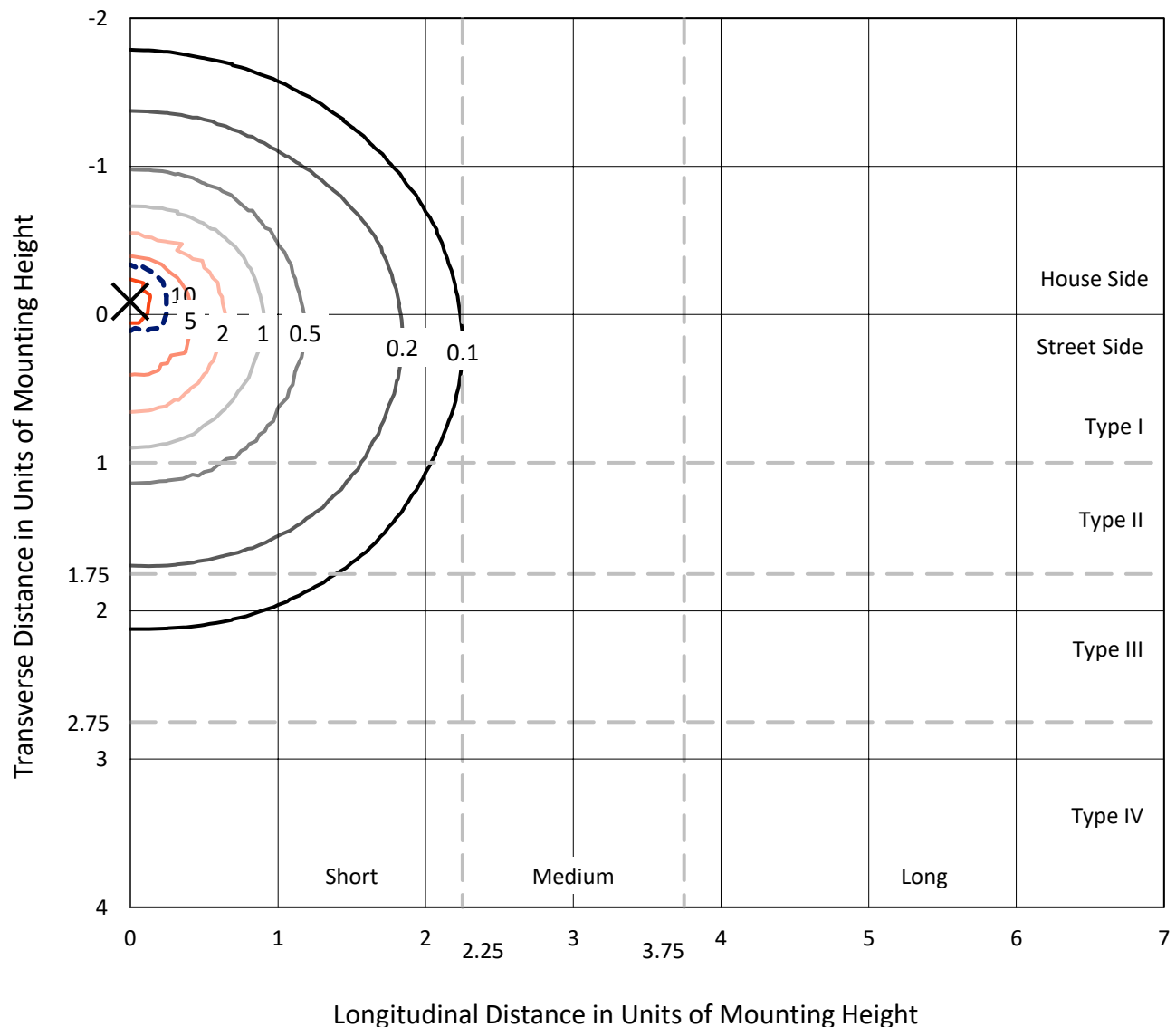


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

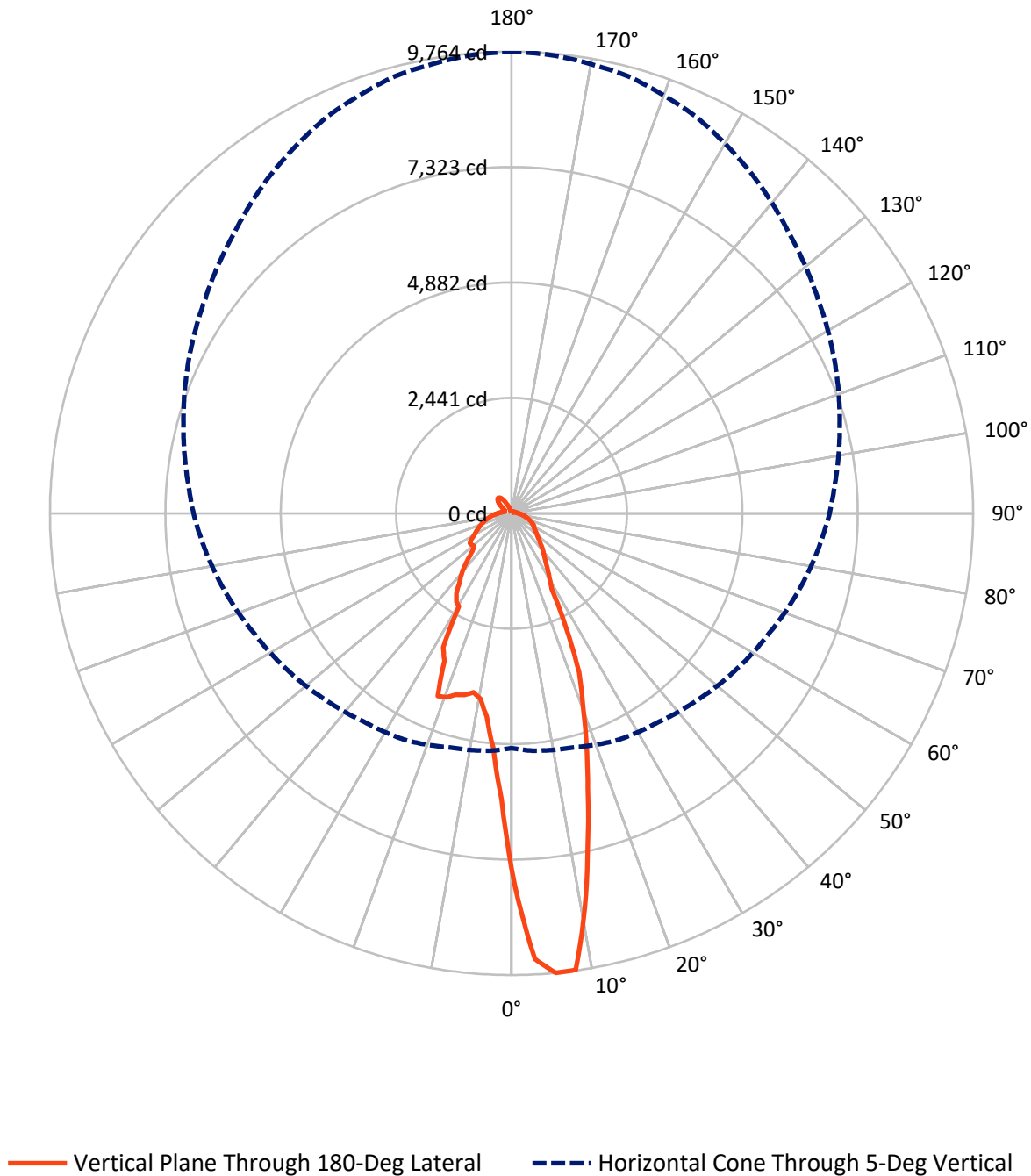


Based on 25 foot mounting height. Maximum calculated value = 15.2 fc

Type I - Short - N/A

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Luminous Intensity Polar Plot



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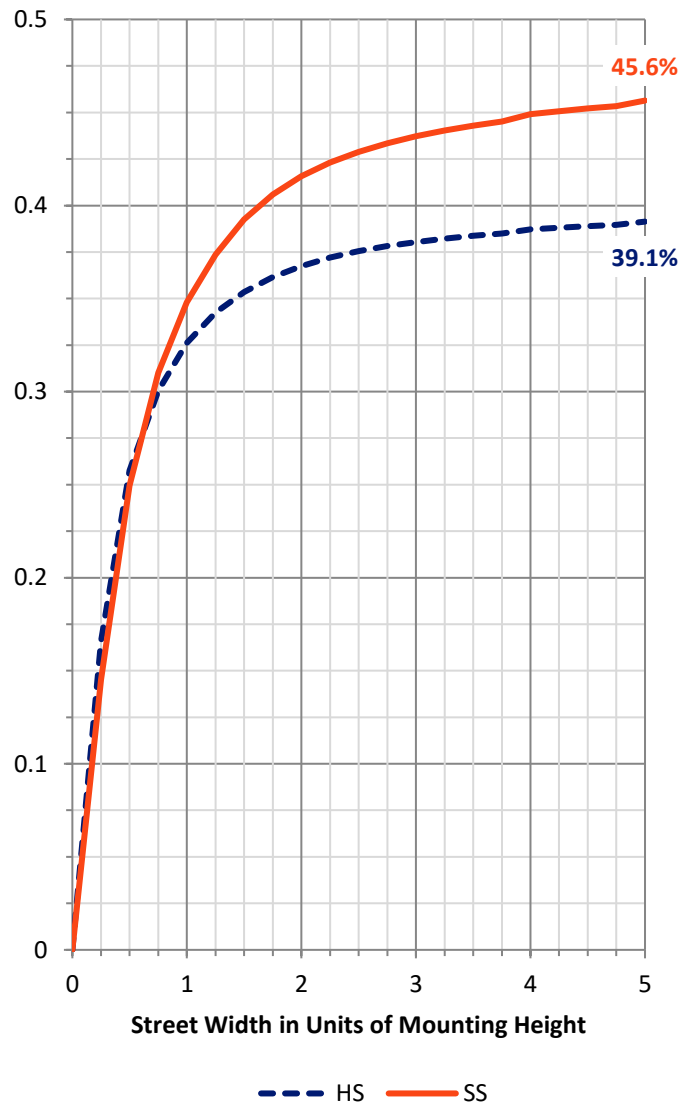
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3776.0	404.9	4180.9
	% Fixture	40.2	4.3	44.5
Street Side	Lumens	4406.5	807.5	5214.1
	% Fixture	46.9	8.6	55.5
Total	Lumens	8182.6	1212.4	9395.0
	% Fixture	87.1	12.9	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	631.5	6.7
10°-20°	1354.4	14.4
20°-30°	1491.3	15.9
30°-40°	1095.8	11.7
40°-50°	918.2	9.8
50°-60°	921.2	9.8
60°-70°	788.9	8.4
70°-80°	587.8	6.3
80°-90°	393.3	4.2
90°-100°	233.6	2.5
100°-110°	135.6	1.4
110°-120°	126.2	1.3
120°-130°	183.0	1.9
130°-140°	246.2	2.6
140°-150°	199.4	2.1
150°-160°	78.8	0.8
160°-170°	9.6	0.1
170°-180°	0.0	0.0
0°-90°	8182.6	87.1
0°-180°	9395.0	100.0

Coefficient of Utilization



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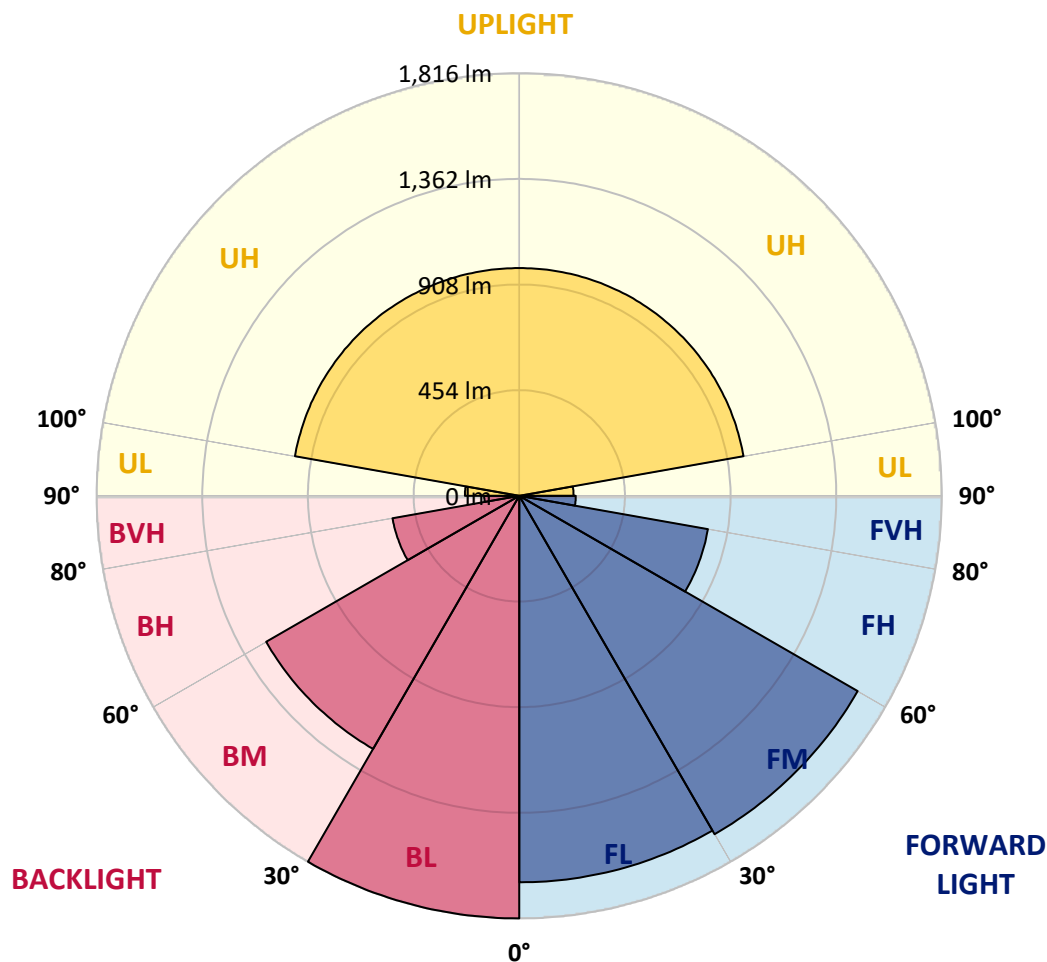
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1661.1	17.7			
FM	(30°-60°)	1679.3	17.9			
FH	(60°-80°)	823.3	8.8			G1/1800
FVH	(80°-90°)	242.8	2.6			G3/500
BL	(0°-30°)	1816.2	19.3	B3/2500		
BM	(30°-60°)	1255.9	13.4	B2/2500		
BH	(60°-80°)	553.4	5.9	B2/1000		G2/1000
BVH	(80°-90°)	150.5	1.6			G2/225
UL	(90°-100°)	233.6	2.5		U3/500	
UH	(100°-180°)	978.8	10.4		U4/1000	

BUG Rating: B3-U4-G3

Type I Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	7864.5	7864.5	7864.5	7864.5	7864.5	7864.5	7864.5	7864.5	7864.5	7864.5	7864.5
2.5°	6058.8	6148.4	6193.1	6327.4	6372.2	6458.0	6588.6	6719.2	6939.3	7103.4	7230.3
5°	4965.7	5040.3	5122.4	5294.0	5394.7	5573.8	5782.7	6006.6	6290.1	6577.4	6726.6
7.5°	4327.7	4346.4	4465.8	4674.7	4857.5	5047.8	5275.3	5469.3	5663.3	5898.4	6047.6
10°	3977.0	4003.1	4081.5	4241.9	4398.6	4555.3	4734.4	4883.6	5081.3	5279.1	5368.6
12.5°	3872.6	3883.8	3950.9	4044.2	4144.9	4245.6	4383.7	4518.0	4693.3	4865.0	4924.6
15°	3965.8	3965.8	3977.0	4014.3	4066.6	4144.9	4249.4	4365.0	4525.5	4652.3	4715.7
17.5°	4010.6	4014.3	4044.2	4051.6	4100.1	4133.7	4227.0	4316.5	4469.5	4574.0	4607.5
20°	4130.0	4130.0	4133.7	4152.4	4159.8	4178.5	4219.5	4268.0	4394.9	4450.8	4443.4
22.5°	4167.3	4152.4	4212.1	4320.3	4316.5	4320.3	4283.0	4294.1	4365.0	4342.6	4290.4
25°	3421.1	3402.5	3469.6	3536.8	3633.8	3756.9	4062.8	4301.6	4391.1	4320.3	4204.6
27.5°	3182.4	3100.3	3081.6	2921.2	2775.7	2536.9	2514.6	2365.3	2350.4	2443.7	2529.5
30°	2260.9	2264.6	2260.9	2245.9	2234.7	2245.9	2257.1	2231.0	2238.5	2298.2	2272.1
32.5°	2204.9	2204.9	2190.0	2182.5	2148.9	2137.7	2119.1	2070.6	2078.1	2122.8	2111.6
35°	2055.7	2048.2	2051.9	2033.3	1973.6	1925.1	1917.6	1876.6	1876.6	1902.7	1891.5
37.5°	1831.8	1820.6	1865.4	1861.7	1813.2	1794.5	1775.9	1749.7	1749.7	1772.1	1749.7
40°	1656.5	1649.0	1697.5	1712.4	1682.6	1690.1	1693.8	1671.4	1693.8	1697.5	1667.7
42.5°	1469.9	1466.2	1507.2	1503.5	1477.4	1473.7	1469.9	1455.0	1492.3	1522.2	1499.8
45°	1249.8	1238.6	1268.5	1279.7	1272.2	1261.0	1257.3	1257.3	1279.7	1294.6	1272.2
47.5°	1104.3	1108.0	1130.4	1156.5	1164.0	1171.5	1167.7	1160.3	1175.2	1178.9	1160.3
50°	1055.8	1059.5	1093.1	1123.0	1145.4	1160.3	1160.3	1149.1	1160.3	1149.1	1123.0
52.5°	1078.2	1078.2	1123.0	1167.7	1205.0	1231.2	1234.9	1220.0	1220.0	1190.1	1149.1
55°	1085.7	1093.1	1152.8	1227.4	1294.6	1365.5	1399.0	1387.9	1399.0	1335.6	1268.5
57.5°	1014.8	1033.4	1093.1	1182.7	1272.2	1384.1	1455.0	1462.5	1458.7	1402.8	1320.7
60°	921.5	936.4	977.5	1055.8	1141.6	1231.2	1302.0	1317.0	1331.9	1305.8	1231.2
62.5°	858.1	865.5	899.1	955.1	1014.8	1063.3	1089.4	1085.7	1100.6	1093.1	1037.2
65°	802.1	805.9	843.2	887.9	925.2	973.7	981.2	981.2	992.4	977.5	932.7
67.5°	742.4	742.4	772.3	813.3	858.1	899.1	910.3	914.0	929.0	914.0	880.5
70°	690.2	690.2	716.3	749.9	783.5	824.5	835.7	839.4	858.1	839.4	805.9
72.5°	641.7	641.7	664.1	693.9	723.8	757.4	768.5	772.3	787.2	768.5	742.4
75°	589.5	593.2	611.9	638.0	664.1	693.9	708.9	708.9	720.0	697.7	675.3
77.5°	537.2	541.0	559.6	582.0	604.4	634.2	641.7	645.4	656.6	634.2	611.9
80°	485.0	492.5	507.4	526.0	548.4	570.8	585.7	585.7	593.2	570.8	555.9
82.5°	436.5	444.0	455.2	470.1	492.5	514.8	529.8	529.8	533.5	514.8	496.2
85°	388.0	395.5	406.7	417.8	436.5	458.9	473.8	473.8	477.5	458.9	444.0
87.5°	343.2	350.7	358.2	369.3	384.3	406.7	421.6	421.6	421.6	406.7	391.7
90°	298.5	302.2	309.7	320.8	335.8	354.4	365.6	369.3	369.3	350.7	343.2
92.5°	264.9	264.9	272.3	279.8	294.7	309.7	320.8	324.6	324.6	313.4	302.2
95°	227.6	231.3	235.0	242.5	253.7	264.9	279.8	279.8	279.8	272.3	264.9
97.5°	201.5	197.7	201.5	205.2	216.4	223.8	235.0	238.8	238.8	231.3	227.6
100°	171.6	175.3	175.3	179.1	182.8	186.5	194.0	197.7	197.7	194.0	194.0
102.5°	160.4	156.7	156.7	156.7	156.7	156.7	160.4	160.4	164.2	160.4	156.7
105°	149.2	149.2	149.2	149.2	145.5	145.5	145.5	145.5	141.8	138.0	138.0
107.5°	145.5	145.5	145.5	145.5	141.8	141.8	138.0	138.0	134.3	130.6	126.8
110°	145.5	145.5	145.5	145.5	141.8	138.0	138.0	134.3	130.6	126.8	123.1



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	153.0	153.0	153.0	153.0	145.5	141.8	138.0	138.0	130.6	126.8	123.1
115°	167.9	167.9	164.2	164.2	160.4	153.0	149.2	145.5	141.8	134.3	130.6
117.5°	182.8	182.8	182.8	182.8	179.1	171.6	164.2	160.4	156.7	145.5	141.8
120°	208.9	208.9	208.9	212.7	205.2	197.7	190.3	182.8	179.1	167.9	160.4
122.5°	242.5	238.8	246.2	250.0	246.2	235.0	223.8	216.4	208.9	194.0	186.5
125°	276.1	276.1	283.5	294.7	294.7	283.5	268.6	257.4	250.0	227.6	216.4
127.5°	317.1	317.1	328.3	347.0	350.7	339.5	324.6	309.7	298.5	268.6	257.4
130°	354.4	354.4	376.8	399.2	410.4	399.2	384.3	365.6	350.7	317.1	298.5
132.5°	384.3	388.0	414.1	444.0	458.9	455.2	436.5	421.6	406.7	365.6	343.2
135°	414.1	417.8	447.7	485.0	503.7	503.7	488.7	470.1	451.4	406.7	380.5
137.5°	429.0	432.8	470.1	507.4	529.8	537.2	529.8	511.1	492.5	444.0	410.4
140°	429.0	436.5	473.8	511.1	533.5	544.7	544.7	526.0	507.4	462.6	429.0
142.5°	417.8	425.3	458.9	496.2	518.6	533.5	537.2	522.3	503.7	458.9	425.3
145°	395.5	399.2	432.8	466.3	488.7	507.4	514.8	503.7	481.3	444.0	410.4
147.5°	358.2	358.2	388.0	414.1	444.0	462.6	473.8	466.3	447.7	414.1	384.3
150°	305.9	305.9	328.3	354.4	380.5	402.9	414.1	414.1	395.5	369.3	339.5
152.5°	242.5	246.2	261.2	283.5	309.7	328.3	343.2	343.2	332.0	309.7	283.5
155°	186.5	186.5	197.7	212.7	235.0	253.7	264.9	264.9	257.4	238.8	223.8
157.5°	134.3	134.3	141.8	156.7	171.6	186.5	197.7	197.7	190.3	179.1	167.9
160°	89.5	89.5	93.3	104.5	115.7	126.8	134.3	138.0	134.3	126.8	115.7
162.5°	48.5	48.5	52.2	59.7	67.2	78.3	82.1	85.8	85.8	78.3	74.6
165°	14.9	14.9	14.9	22.4	26.1	33.6	37.3	41.0	41.0	41.0	37.3
167.5°	3.7	3.7	3.7	3.7	3.7	3.7	7.5	11.2	11.2	11.2	11.2
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.7	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

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CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	179°	180°
0°	7864.5	7864.5	7864.5	7864.5	7864.5	7864.5	7864.5	7864.5	7864.5	7864.5	7864.5
2.5°	7349.7	7625.7	7931.7	8245.1	8565.9	8868.1	9121.8	9323.3	9431.5	9457.6	9442.6
5°	6860.9	7185.5	7543.7	7909.3	8327.1	8808.4	9248.6	9565.8	9729.9	9756.0	9763.5
7.5°	6163.3	6446.8	6797.5	7219.1	7745.1	8260.0	8939.0	9412.8	9677.7	9748.6	9748.6
10°	5428.3	5678.3	5898.4	6267.7	6726.6	7207.9	7786.2	8222.7	8491.3	8577.1	8502.5
12.5°	5014.2	5122.4	5271.6	5544.0	5831.2	6196.9	6696.8	6980.3	7155.7	7207.9	7163.1
15°	4749.3	4805.3	4868.7	4984.3	5185.8	5413.4	5708.1	5883.5	5991.7	6055.1	6032.7
17.5°	4622.5	4622.5	4611.3	4637.4	4689.6	4794.1	4995.5	5059.0	5107.5	5133.6	5118.7
20°	4428.5	4368.8	4320.3	4245.6	4215.8	4212.1	4260.6	4327.7	4324.0	4327.7	4297.9
22.5°	4234.5	4111.3	3992.0	3880.0	3753.2	3689.8	3645.0	3667.4	3648.7	3667.4	3648.7
25°	4141.2	3891.2	3652.4	3380.1	3152.5	2977.2	2861.5	2790.6	2671.2	2716.0	2675.0
27.5°	2570.5	2466.1	2365.3	2163.9	1973.6	1906.4	1850.5	1820.6	1798.2	1809.4	1802.0
30°	2227.3	2141.5	2063.1	1958.7	1813.2	1723.6	1656.5	1596.8	1578.1	1581.9	1578.1
32.5°	2066.9	1999.7	1902.7	1794.5	1663.9	1552.0	1473.7	1417.7	1387.9	1406.5	1391.6
35°	1850.5	1783.3	1701.2	1600.5	1488.6	1387.9	1313.2	1261.0	1227.4	1234.9	1231.2
37.5°	1708.7	1645.3	1574.4	1466.2	1369.2	1272.2	1197.6	1145.4	1111.8	1119.2	1111.8
40°	1626.6	1555.7	1481.1	1384.1	1287.1	1186.4	1115.5	1055.8	1022.2	1022.2	1022.2
42.5°	1458.7	1402.8	1339.4	1238.6	1152.8	1067.0	996.1	951.4	914.0	917.8	910.3
45°	1246.1	1205.0	1156.5	1089.4	1018.5	951.4	891.7	858.1	828.2	832.0	828.2
47.5°	1137.9	1100.6	1044.6	992.4	929.0	869.3	817.0	776.0	753.6	757.4	749.9
50°	1096.9	1052.1	988.7	917.8	858.1	798.4	746.2	716.3	693.9	697.7	693.9
52.5°	1111.8	1040.9	951.4	865.5	794.7	735.0	693.9	660.4	645.4	649.2	641.7
55°	1208.8	1085.7	951.4	843.2	753.6	686.5	645.4	608.1	593.2	593.2	593.2
57.5°	1242.4	1108.0	940.2	817.0	720.0	652.9	604.4	567.1	552.2	552.2	552.2
60°	1164.0	1048.4	895.4	779.7	690.2	626.8	585.7	559.6	548.4	548.4	548.4
62.5°	996.1	921.5	805.9	712.6	645.4	589.5	548.4	514.8	503.7	499.9	499.9
65°	902.9	832.0	735.0	656.6	596.9	552.2	514.8	488.7	473.8	473.8	473.8
67.5°	843.2	776.0	686.5	611.9	555.9	507.4	473.8	447.7	440.2	436.5	436.5
70°	776.0	712.6	623.0	555.9	503.7	462.6	429.0	406.7	399.2	399.2	395.5
72.5°	708.9	649.2	563.4	499.9	451.4	414.1	384.3	365.6	358.2	354.4	354.4
75°	645.4	585.7	507.4	447.7	402.9	369.3	343.2	324.6	317.1	317.1	317.1
77.5°	585.7	529.8	455.2	399.2	361.9	328.3	305.9	291.0	283.5	283.5	283.5
80°	529.8	473.8	406.7	354.4	317.1	291.0	272.3	257.4	250.0	253.7	250.0
82.5°	470.1	425.3	361.9	313.4	283.5	257.4	238.8	227.6	220.1	223.8	220.1
85°	421.6	376.8	317.1	276.1	246.2	223.8	208.9	197.7	190.3	194.0	190.3
87.5°	373.1	332.0	279.8	242.5	216.4	197.7	179.1	171.6	167.9	167.9	164.2
90°	320.8	283.5	238.8	208.9	182.8	167.9	153.0	145.5	141.8	138.0	138.0
92.5°	283.5	253.7	212.7	186.5	164.2	153.0	138.0	130.6	126.8	126.8	126.8
95°	250.0	223.8	190.3	167.9	153.0	138.0	126.8	123.1	119.4	119.4	115.7
97.5°	216.4	194.0	171.6	153.0	138.0	126.8	115.7	111.9	108.2	108.2	108.2
100°	182.8	167.9	149.2	134.3	123.1	115.7	104.5	100.7	97.0	97.0	97.0
102.5°	153.0	141.8	126.8	115.7	108.2	100.7	93.3	89.5	85.8	85.8	85.8
105°	134.3	123.1	115.7	104.5	97.0	89.5	85.8	78.3	74.6	74.6	74.6
107.5°	123.1	115.7	108.2	100.7	93.3	85.8	78.3	70.9	67.2	67.2	67.2
110°	119.4	111.9	104.5	97.0	89.5	82.1	78.3	67.2	63.4	63.4	63.4



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CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	179°	180°
112.5°	119.4	115.7	108.2	100.7	93.3	85.8	78.3	63.4	59.7	59.7	59.7
115°	126.8	119.4	111.9	104.5	97.0	89.5	82.1	63.4	59.7	59.7	59.7
117.5°	138.0	130.6	119.4	111.9	104.5	93.3	82.1	67.2	59.7	59.7	59.7
120°	156.7	145.5	134.3	123.1	111.9	100.7	85.8	67.2	56.0	59.7	59.7
122.5°	179.1	167.9	149.2	134.3	123.1	108.2	89.5	70.9	56.0	59.7	59.7
125°	208.9	194.0	171.6	153.0	134.3	115.7	93.3	70.9	56.0	59.7	63.4
127.5°	242.5	220.1	194.0	167.9	145.5	123.1	100.7	74.6	56.0	63.4	63.4
130°	279.8	253.7	220.1	186.5	160.4	130.6	104.5	74.6	59.7	59.7	59.7
132.5°	320.8	283.5	238.8	201.5	167.9	134.3	104.5	74.6	59.7	59.7	59.7
135°	350.7	305.9	257.4	212.7	175.3	138.0	108.2	74.6	56.0	56.0	56.0
137.5°	376.8	324.6	272.3	220.1	179.1	138.0	104.5	70.9	56.0	52.2	52.2
140°	391.7	332.0	272.3	220.1	175.3	134.3	97.0	67.2	48.5	48.5	48.5
142.5°	391.7	328.3	268.6	212.7	164.2	126.8	93.3	59.7	44.8	44.8	44.8
145°	376.8	313.4	253.7	201.5	153.0	115.7	82.1	56.0	41.0	41.0	41.0
147.5°	350.7	287.3	231.3	182.8	134.3	100.7	70.9	44.8	33.6	33.6	33.6
150°	313.4	253.7	201.5	156.7	115.7	82.1	59.7	37.3	26.1	26.1	26.1
152.5°	261.2	212.7	164.2	130.6	93.3	67.2	44.8	29.8	22.4	22.4	22.4
155°	205.2	167.9	130.6	100.7	70.9	48.5	33.6	22.4	14.9	14.9	14.9
157.5°	156.7	126.8	97.0	74.6	52.2	37.3	26.1	14.9	11.2	11.2	11.2
160°	108.2	85.8	67.2	52.2	33.6	26.1	18.7	11.2	7.5	7.5	7.5
162.5°	70.9	56.0	41.0	29.8	22.4	14.9	11.2	7.5	3.7	3.7	3.7
165°	33.6	26.1	22.4	14.9	11.2	7.5	3.7	3.7	0.0	0.0	0.0
167.5°	11.2	7.5	7.5	3.7	3.7	3.7	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	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)