

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: P691842

Luminaire Tested: **CRTK2-C01H-D-U-T2-7030-RMARROA5**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691842
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-7)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C01H-D-U-T2-7030-RMARROA5
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K LED WITH TYPE II OPTIC AND NEMA REFRACTOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7825 lumens
Efficiency: N/A
Efficacy: 111.5 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.54')
IES Classification: Type I - Short
BUG Rating: B3 - U4 - G2

Input Watts (W): 70.2
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

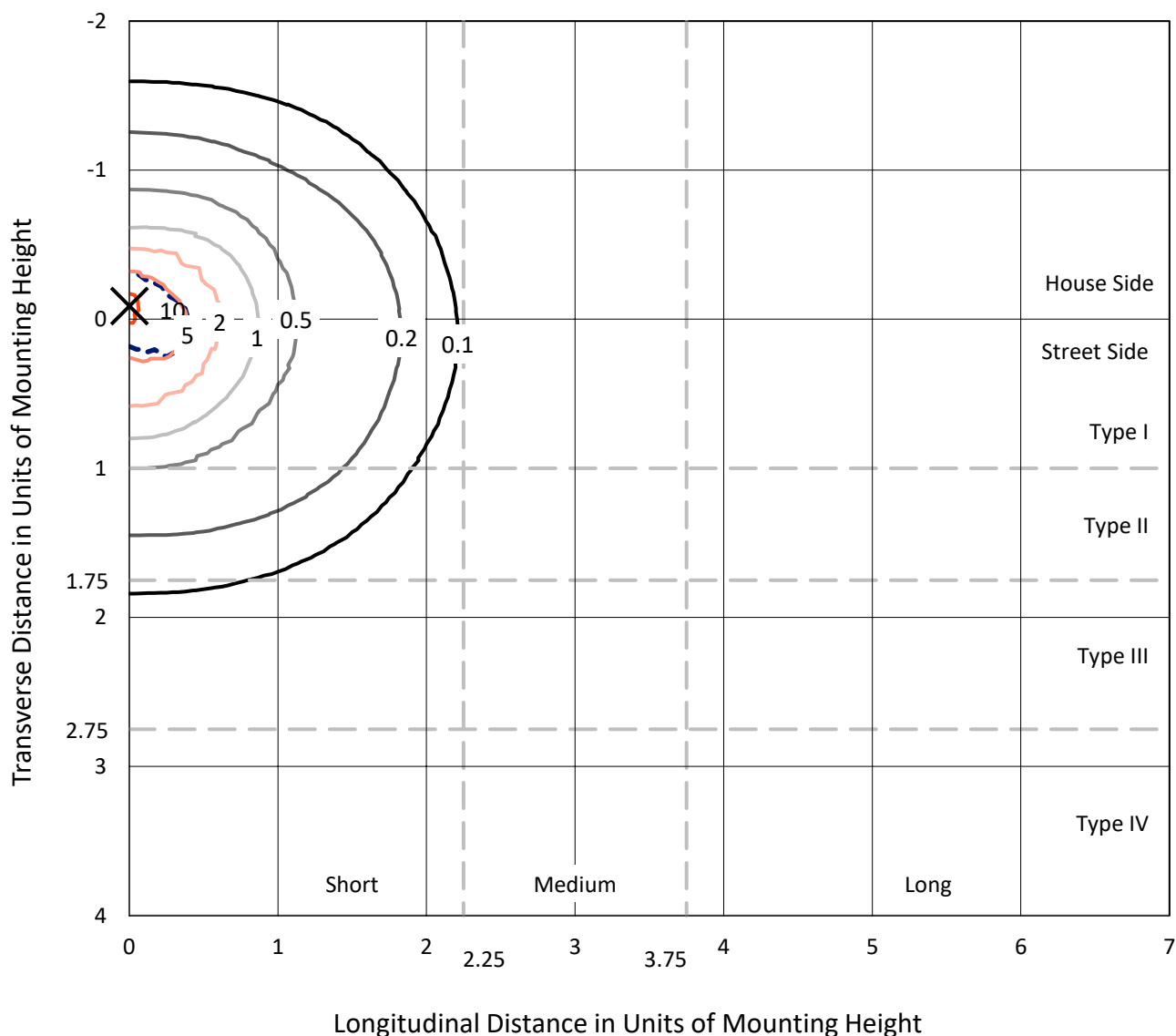


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

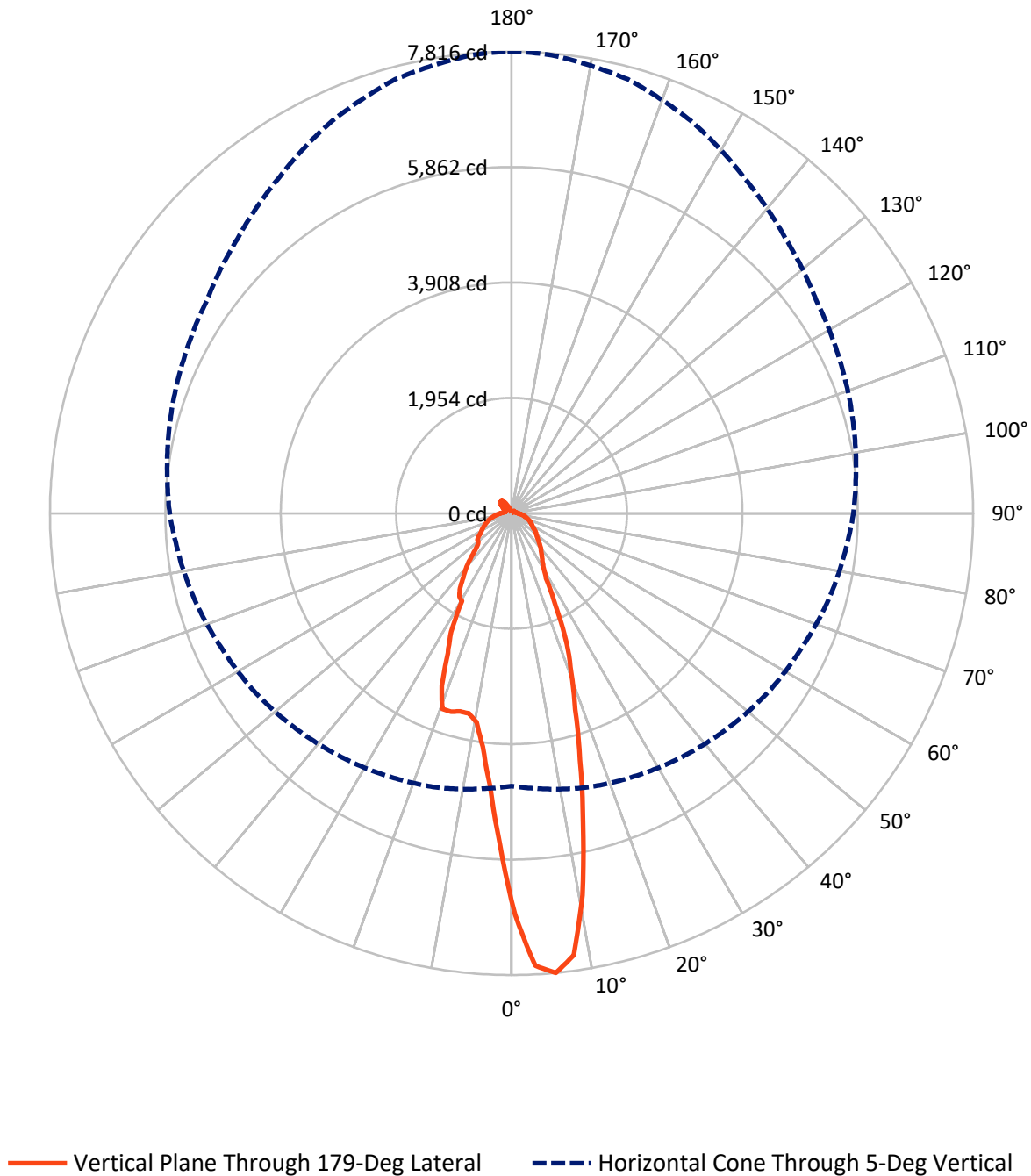


Based on 25 foot mounting height. Maximum calculated value = 11.8 fc

Type I - Short - N/A

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Luminous Intensity Polar Plot



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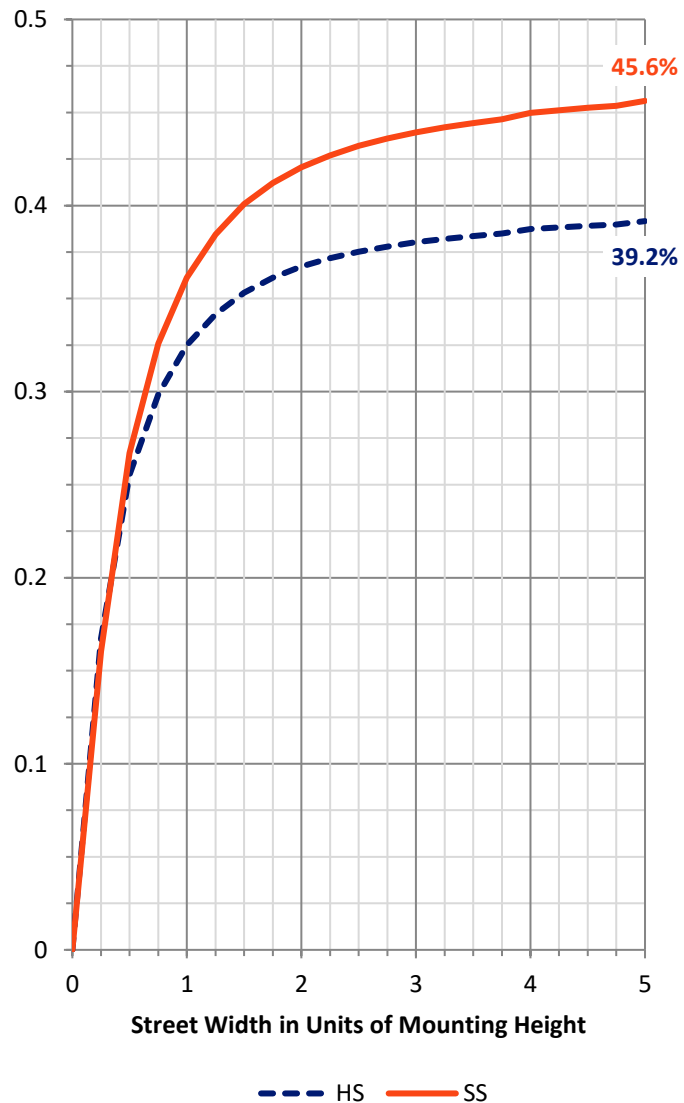
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3148.9	382.9	3531.7
	% Fixture	40.2	4.9	45.1
Street Side	Lumens	3654.9	638.4	4293.3
	% Fixture	46.7	8.2	54.9
Total	Lumens	6803.7	1021.3	7825.0
	% Fixture	86.9	13.1	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	530.9	6.8
10°-20°	1132.6	14.5
20°-30°	1230.4	15.7
30°-40°	910.7	11.6
40°-50°	762.7	9.7
50°-60°	766.8	9.8
60°-70°	652.8	8.3
70°-80°	487.6	6.2
80°-90°	329.2	4.2
90°-100°	196.7	2.5
100°-110°	113.7	1.5
110°-120°	104.6	1.3
120°-130°	151.3	1.9
130°-140°	207.1	2.6
140°-150°	170.7	2.2
150°-160°	68.7	0.9
160°-170°	8.5	0.1
170°-180°	0.0	0.0
0°-90°	6803.7	86.9
0°-180°	7825.0	100.0

Coefficient of Utilization



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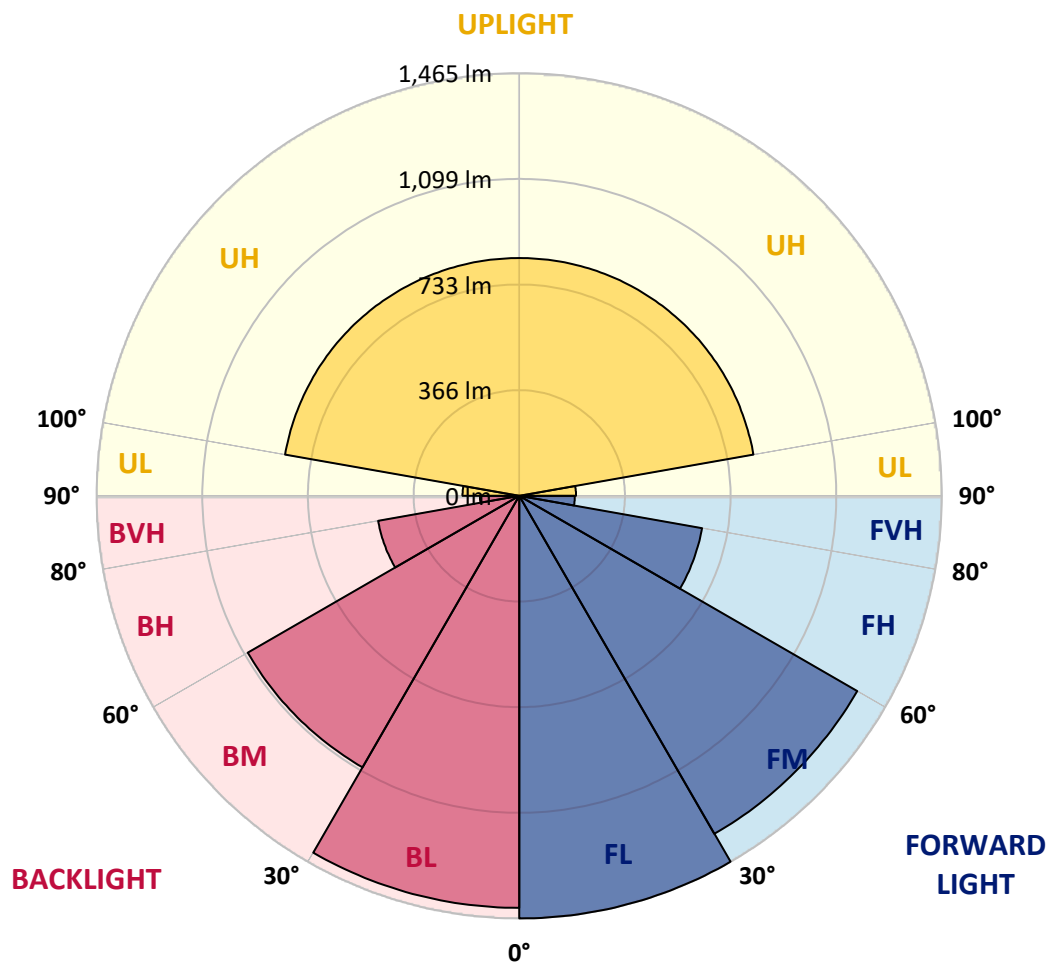
CATALOG NUMBER: CRTK2-C01H-D-U-T2-7030-RMARROA5

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1465.3	18.7			
FM	(30°-60°)	1353.2	17.3			
FH	(60°-80°)	643.6	8.2			G0/660
FVH	(80°-90°)	192.8	2.5			G2/225
BL	(0°-30°)	1428.6	18.3	B3/2500		
BM	(30°-60°)	1087.0	13.9	B2/2500		
BH	(60°-80°)	496.8	6.3	B1/500		G1/500
BVH	(80°-90°)	136.4	1.7			G2/225
UL	(90°-100°)	196.7	2.5		U3/500	
UH	(100°-180°)	824.5	10.5		U4/1000	

BUG Rating: B3-U4-G2

Type I Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	6790.2	6790.2	6790.2	6790.2	6790.2	6790.2	6790.2	6790.2	6790.2	6790.2	6790.2
2.5°	5597.8	5629.2	5698.2	5732.7	5767.3	5811.2	5877.1	5927.3	6043.4	6150.1	6194.0
5°	4618.8	4675.3	4807.1	4913.8	5033.0	5158.5	5293.4	5412.7	5566.4	5707.6	5789.2
7.5°	3969.3	4016.4	4173.3	4380.3	4590.6	4766.3	4904.4	4995.4	5064.4	5120.9	5180.5
10°	3573.9	3614.7	3771.6	3956.7	4135.6	4298.8	4414.9	4502.7	4527.8	4584.3	4612.5
12.5°	3461.0	3479.8	3589.6	3718.3	3828.1	3988.1	4126.2	4220.3	4261.1	4311.3	4327.0
15°	3464.1	3464.1	3526.9	3608.5	3708.9	3831.2	3985.0	4097.9	4157.6	4185.8	4182.7
17.5°	3511.2	3508.0	3536.3	3602.2	3686.9	3809.3	3966.2	4082.3	4151.3	4160.7	4151.3
20°	3511.2	3514.3	3523.7	3599.0	3680.6	3790.4	3950.5	4047.7	4101.1	4072.8	4041.5
22.5°	3153.5	3150.3	3231.9	3391.9	3611.6	3840.6	3985.0	4104.2	4116.8	4013.2	3928.5
25°	2604.4	2582.4	2629.5	2701.6	2849.1	3115.8	3417.0	3868.9	4138.7	4079.1	3950.5
27.5°	2259.2	2231.0	2271.8	2240.4	2224.7	2205.9	2187.0	2133.7	2168.2	2199.6	2337.7
30°	1703.8	1710.1	1719.5	1738.3	1776.0	1851.3	1929.7	1976.8	2017.6	2099.2	2089.8
32.5°	1666.2	1663.0	1666.2	1685.0	1703.8	1750.9	1798.0	1823.1	1854.4	1932.9	1914.0
35°	1540.7	1534.4	1556.3	1565.8	1562.6	1575.2	1622.2	1650.5	1678.7	1728.9	1710.1
37.5°	1355.5	1361.8	1408.9	1434.0	1443.4	1471.6	1509.3	1534.4	1568.9	1606.5	1597.1
40°	1217.5	1214.3	1264.5	1299.0	1321.0	1364.9	1421.4	1459.1	1515.6	1546.9	1525.0
42.5°	1048.0	1060.6	1098.2	1132.7	1139.0	1161.0	1211.2	1255.1	1324.1	1371.2	1358.7
45°	881.7	891.1	922.5	950.7	972.7	1001.0	1038.6	1076.3	1132.7	1170.4	1167.3
47.5°	778.2	787.6	812.7	847.2	878.6	919.4	957.0	994.7	1048.0	1076.3	1066.8
50°	737.4	743.7	771.9	809.5	856.6	906.8	957.0	997.8	1048.0	1066.8	1051.2
52.5°	734.2	734.2	768.8	825.2	891.1	960.2	1026.1	1082.5	1129.6	1129.6	1098.2
55°	690.3	696.6	740.5	815.8	916.2	1029.2	1145.3	1252.0	1314.7	1302.2	1242.6
57.5°	627.6	630.7	677.8	749.9	856.6	994.7	1151.6	1286.5	1361.8	1377.5	1314.7
60°	589.9	593.0	624.4	693.5	784.4	894.3	1038.6	1145.3	1220.6	1267.7	1217.5
62.5°	558.5	558.5	589.9	637.0	712.3	793.9	875.4	947.6	1007.2	1041.7	1013.5
65°	524.0	524.0	546.0	589.9	649.5	728.0	790.7	844.1	897.4	922.5	897.4
67.5°	489.5	489.5	511.5	552.3	605.6	671.5	734.2	784.4	837.8	856.6	837.8
70°	455.0	455.0	476.9	511.5	561.7	624.4	671.5	724.8	775.0	787.6	771.9
72.5°	420.5	420.5	442.4	473.8	517.7	577.4	621.3	662.1	709.1	718.6	702.9
75°	389.1	389.1	404.8	436.2	476.9	530.3	574.2	611.9	649.5	649.5	637.0
77.5°	354.6	357.7	370.3	398.5	436.2	486.4	527.1	561.7	593.0	593.0	577.4
80°	320.1	323.2	335.7	360.8	395.4	442.4	480.1	511.5	539.7	539.7	524.0
82.5°	285.5	288.7	301.2	323.2	354.6	398.5	436.2	467.5	492.6	489.5	473.8
85°	254.2	257.3	266.7	285.5	313.8	357.7	392.2	420.5	442.4	439.3	426.7
87.5°	222.8	225.9	235.3	251.0	276.1	316.9	351.4	376.5	395.4	392.2	379.7
90°	194.5	194.5	204.0	219.6	241.6	276.1	307.5	329.5	348.3	342.0	329.5
92.5°	169.4	172.6	178.9	191.4	210.2	241.6	269.8	288.7	307.5	304.4	291.8
95°	150.6	150.6	156.9	166.3	182.0	207.1	235.3	251.0	263.6	263.6	254.2
97.5°	131.8	134.9	138.1	144.3	156.9	175.7	197.7	213.4	222.8	222.8	216.5
100°	119.2	122.4	122.4	128.6	134.9	147.5	163.2	175.7	185.1	185.1	182.0
102.5°	113.0	113.0	113.0	116.1	119.2	125.5	134.9	141.2	147.5	150.6	147.5
105°	106.7	106.7	106.7	109.8	109.8	116.1	119.2	125.5	128.6	128.6	125.5
107.5°	103.5	103.5	106.7	106.7	106.7	109.8	116.1	116.1	119.2	116.1	116.1
110°	106.7	106.7	106.7	106.7	106.7	109.8	113.0	113.0	113.0	113.0	109.8



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	109.8	109.8	109.8	109.8	113.0	113.0	113.0	116.1	116.1	113.0	113.0
115°	119.2	119.2	119.2	119.2	119.2	122.4	122.4	122.4	122.4	119.2	116.1
117.5°	128.6	128.6	128.6	131.8	131.8	134.9	131.8	134.9	131.8	128.6	128.6
120°	144.3	144.3	147.5	150.6	153.8	153.8	150.6	153.8	153.8	147.5	144.3
122.5°	163.2	163.2	166.3	175.7	178.9	182.0	178.9	178.9	178.9	172.6	169.4
125°	182.0	185.1	191.4	204.0	213.4	219.6	213.4	216.5	216.5	207.1	204.0
127.5°	204.0	207.1	219.6	238.5	254.2	260.4	257.3	260.4	263.6	247.9	241.6
130°	225.9	225.9	244.7	273.0	295.0	304.4	307.5	310.6	313.8	298.1	285.5
132.5°	244.7	244.7	269.8	304.4	332.6	348.3	354.6	360.8	367.1	345.2	329.5
135°	257.3	260.4	291.8	332.6	367.1	389.1	398.5	404.8	414.2	389.1	370.3
137.5°	266.7	273.0	304.4	348.3	385.9	417.3	436.2	445.6	451.8	426.7	401.6
140°	269.8	273.0	307.5	351.4	389.1	423.6	451.8	467.5	470.7	445.6	420.5
142.5°	260.4	266.7	298.1	342.0	379.7	417.3	448.7	464.4	467.5	445.6	420.5
145°	247.9	251.0	279.3	320.1	357.7	398.5	433.0	448.7	448.7	429.9	404.8
147.5°	225.9	229.1	254.2	288.7	326.3	367.1	401.6	417.3	420.5	401.6	379.7
150°	194.5	197.7	216.5	244.7	282.4	323.2	354.6	373.4	373.4	354.6	338.9
152.5°	156.9	160.0	175.7	197.7	229.1	266.7	295.0	313.8	313.8	301.2	282.4
155°	122.4	122.4	134.9	153.8	175.7	204.0	225.9	241.6	244.7	232.2	219.6
157.5°	87.9	87.9	97.3	113.0	131.8	153.8	169.4	182.0	182.0	172.6	166.3
160°	59.6	59.6	65.9	75.3	87.9	103.5	116.1	128.6	128.6	122.4	116.1
162.5°	31.4	31.4	37.7	43.9	53.3	65.9	72.2	81.6	81.6	78.4	75.3
165°	9.4	9.4	12.6	15.7	22.0	28.2	31.4	37.7	40.8	37.7	34.5
167.5°	0.0	0.0	3.1	3.1	3.1	3.1	6.3	9.4	9.4	9.4	9.4
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

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CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	179°	180°
0°	6790.2	6790.2	6790.2	6790.2	6790.2	6790.2	6790.2	6790.2	6790.2	6790.2	6790.2
2.5°	6241.1	6438.7	6617.6	6802.7	7031.8	7232.6	7449.1	7602.9	7668.7	7668.7	7693.9
5°	5848.8	5986.9	6131.2	6294.4	6567.4	6903.1	7289.1	7606.0	7788.0	7816.2	7813.1
7.5°	5199.3	5293.4	5440.9	5622.9	5873.9	6175.2	6670.9	7166.7	7496.2	7555.8	7533.8
10°	4628.2	4716.1	4803.9	4873.0	5051.8	5290.3	5654.3	6137.5	6517.2	6576.8	6529.7
12.5°	4336.4	4364.7	4361.5	4402.3	4474.5	4593.7	4778.8	5058.1	5318.5	5375.0	5334.2
15°	4182.7	4141.9	4079.1	4007.0	4000.7	4019.5	4066.6	4179.5	4289.4	4336.4	4305.0
17.5°	4119.9	4022.6	3894.0	3752.8	3658.7	3570.8	3511.2	3473.5	3489.2	3492.4	3467.3
20°	3972.4	3856.3	3649.2	3448.4	3297.8	3144.1	3012.3	2915.0	2899.3	2883.6	2864.8
22.5°	3806.1	3608.5	3360.6	3115.8	2893.0	2689.1	2541.6	2425.5	2381.6	2397.3	2387.9
25°	3771.6	3442.2	3140.9	2745.6	2463.2	2234.1	1958.0	1769.7	1685.0	1732.1	1700.7
27.5°	2262.3	2271.8	2102.3	1863.8	1659.9	1525.0	1402.6	1302.2	1245.7	1245.7	1252.0
30°	2049.0	1958.0	1845.0	1697.5	1518.7	1383.8	1248.8	1139.0	1079.4	1063.7	1070.0
32.5°	1873.3	1810.5	1703.8	1562.6	1399.5	1261.4	1120.2	1019.8	963.3	960.2	957.0
35°	1685.0	1619.1	1531.2	1408.9	1267.7	1139.0	1016.6	928.8	878.6	881.7	881.7
37.5°	1556.3	1496.7	1418.3	1302.2	1173.5	1044.9	935.1	853.5	812.7	812.7	809.5
40°	1490.4	1421.4	1336.7	1230.0	1110.8	975.9	872.3	793.9	759.3	759.3	756.2
42.5°	1346.1	1286.5	1230.0	1120.2	1001.0	891.1	793.9	724.8	690.3	690.3	690.3
45°	1142.2	1107.6	1063.7	988.4	891.1	800.1	718.6	652.7	624.4	621.3	621.3
47.5°	1054.3	1016.6	963.3	894.3	815.8	731.1	652.7	605.6	577.4	577.4	577.4
50°	1029.2	985.3	913.1	831.5	749.9	674.6	605.6	561.7	536.6	536.6	539.7
52.5°	1063.7	991.5	894.3	793.9	709.1	624.4	564.8	520.9	502.0	502.0	498.9
55°	1182.9	1048.0	906.8	784.4	677.8	586.8	524.0	476.9	455.0	455.0	455.0
57.5°	1248.8	1088.8	916.2	771.9	649.5	558.5	492.6	442.4	420.5	420.5	420.5
60°	1173.5	1041.7	878.6	746.8	627.6	533.4	464.4	417.3	395.4	392.2	389.1
62.5°	982.1	900.5	784.4	674.6	580.5	498.9	442.4	395.4	373.4	373.4	370.3
65°	875.4	806.4	706.0	611.9	533.4	464.4	411.0	373.4	351.4	348.3	348.3
67.5°	815.8	753.1	652.7	564.8	492.6	429.9	379.7	345.2	329.5	323.2	323.2
70°	749.9	680.9	593.0	514.6	448.7	392.2	351.4	316.9	301.2	298.1	295.0
72.5°	684.0	621.3	539.7	464.4	404.8	357.7	320.1	288.7	273.0	269.8	269.8
75°	615.0	555.4	476.9	414.2	364.0	320.1	285.5	260.4	247.9	244.7	241.6
77.5°	558.5	505.2	429.9	370.3	323.2	288.7	257.3	235.3	222.8	222.8	219.6
80°	505.2	455.0	382.8	329.5	288.7	254.2	229.1	210.2	200.8	197.7	197.7
82.5°	455.0	404.8	338.9	291.8	254.2	225.9	200.8	185.1	175.7	175.7	175.7
85°	407.9	360.8	301.2	257.3	222.8	197.7	175.7	160.0	153.8	150.6	153.8
87.5°	360.8	316.9	266.7	225.9	194.5	169.4	150.6	138.1	131.8	131.8	131.8
90°	316.9	276.1	229.1	191.4	166.3	144.3	128.6	116.1	113.0	109.8	109.8
92.5°	279.3	244.7	204.0	172.6	147.5	131.8	116.1	106.7	100.4	100.4	100.4
95°	244.7	213.4	182.0	153.8	134.9	119.2	106.7	97.3	94.1	94.1	94.1
97.5°	210.2	185.1	160.0	138.1	122.4	109.8	97.3	91.0	87.9	84.7	87.9
100°	175.7	156.9	138.1	122.4	109.8	97.3	87.9	81.6	78.4	78.4	78.4
102.5°	141.2	131.8	116.1	103.5	94.1	87.9	78.4	72.2	69.0	69.0	69.0
105°	122.4	113.0	103.5	94.1	87.9	78.4	72.2	65.9	62.8	62.8	62.8
107.5°	113.0	106.7	97.3	91.0	81.6	75.3	69.0	59.6	56.5	56.5	56.5
110°	109.8	103.5	97.3	87.9	81.6	75.3	69.0	56.5	53.3	53.3	53.3



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CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	179°	180°
112.5°	109.8	103.5	97.3	91.0	84.7	75.3	69.0	56.5	50.2	50.2	50.2
115°	116.1	109.8	103.5	97.3	87.9	78.4	72.2	56.5	50.2	50.2	50.2
117.5°	125.5	119.2	113.0	103.5	94.1	84.7	72.2	56.5	53.3	53.3	53.3
120°	141.2	134.9	125.5	116.1	103.5	91.0	78.4	59.6	50.2	53.3	53.3
122.5°	163.2	156.9	144.3	128.6	116.1	100.4	81.6	62.8	47.1	53.3	53.3
125°	194.5	185.1	166.3	147.5	128.6	109.8	87.9	65.9	50.2	56.5	56.5
127.5°	229.1	216.5	191.4	166.3	144.3	119.2	94.1	69.0	53.3	56.5	56.5
130°	269.8	247.9	216.5	185.1	156.9	128.6	100.4	72.2	56.5	56.5	56.5
132.5°	310.6	279.3	238.5	204.0	169.4	134.9	103.5	72.2	56.5	56.5	56.5
135°	345.2	307.5	260.4	216.5	175.7	138.1	106.7	72.2	56.5	56.5	56.5
137.5°	376.5	326.3	273.0	222.8	178.9	138.1	103.5	72.2	53.3	53.3	53.3
140°	392.2	335.7	279.3	222.8	175.7	134.9	97.3	65.9	50.2	50.2	50.2
142.5°	392.2	332.6	273.0	216.5	169.4	128.6	91.0	62.8	43.9	47.1	47.1
145°	379.7	320.1	260.4	204.0	156.9	116.1	81.6	53.3	40.8	40.8	40.8
147.5°	351.4	295.0	238.5	185.1	141.2	100.4	72.2	47.1	34.5	31.4	34.5
150°	313.8	260.4	207.1	160.0	119.2	84.7	59.6	37.7	28.2	28.2	28.2
152.5°	263.6	216.5	172.6	131.8	94.1	65.9	43.9	28.2	22.0	22.0	22.0
155°	207.1	169.4	134.9	100.4	72.2	50.2	34.5	22.0	15.7	15.7	15.7
157.5°	156.9	128.6	100.4	72.2	53.3	37.7	25.1	15.7	12.6	12.6	12.6
160°	109.8	87.9	69.0	50.2	34.5	25.1	15.7	9.4	6.3	6.3	6.3
162.5°	69.0	56.5	43.9	28.2	22.0	15.7	9.4	6.3	3.1	3.1	3.1
165°	31.4	28.2	18.8	12.6	9.4	6.3	3.1	3.1	0.0	0.0	0.0
167.5°	9.4	6.3	6.3	3.1	3.1	0.0	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)