

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: P691874

Luminaire Tested: **CRTK2-C01H-D-U-T3-7030-RMARROA5**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691874
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-C01H-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: 7900 lumens
Efficiency: N/A
Efficacy: 112.5 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

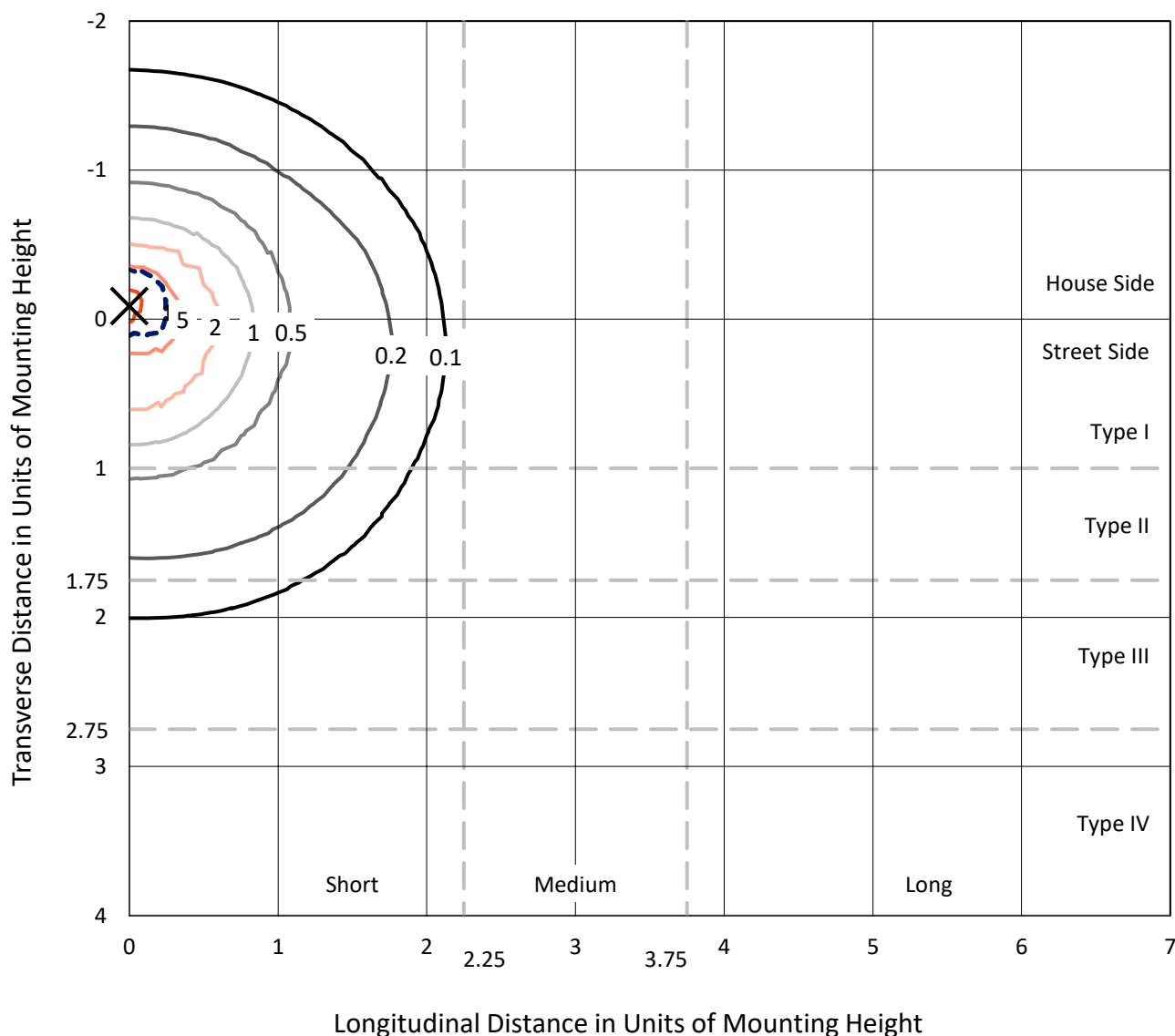


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

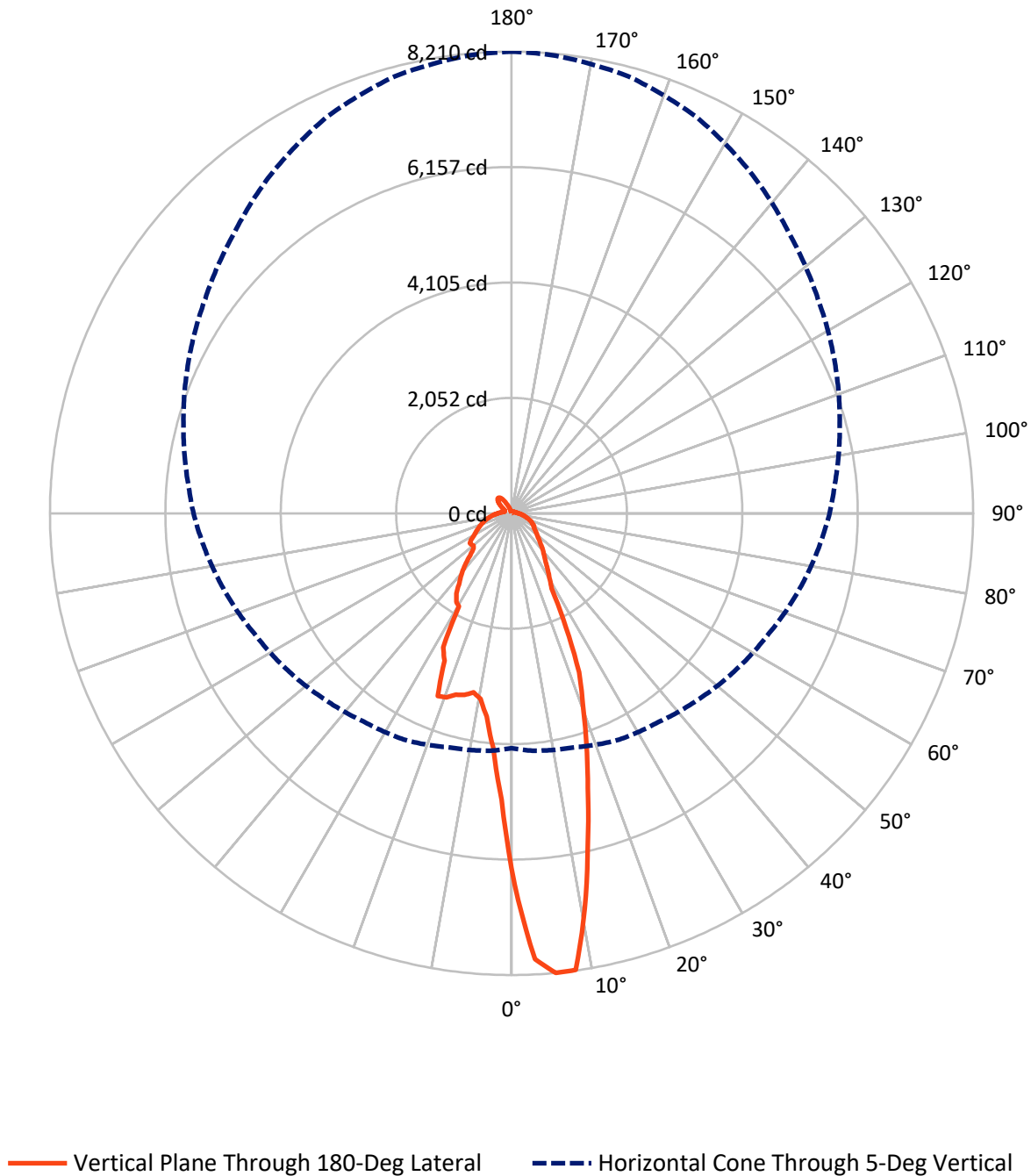


Based on 25 foot mounting height. Maximum calculated value = 12.8 fc

Type I - Short - N/A

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Luminous Intensity Polar Plot



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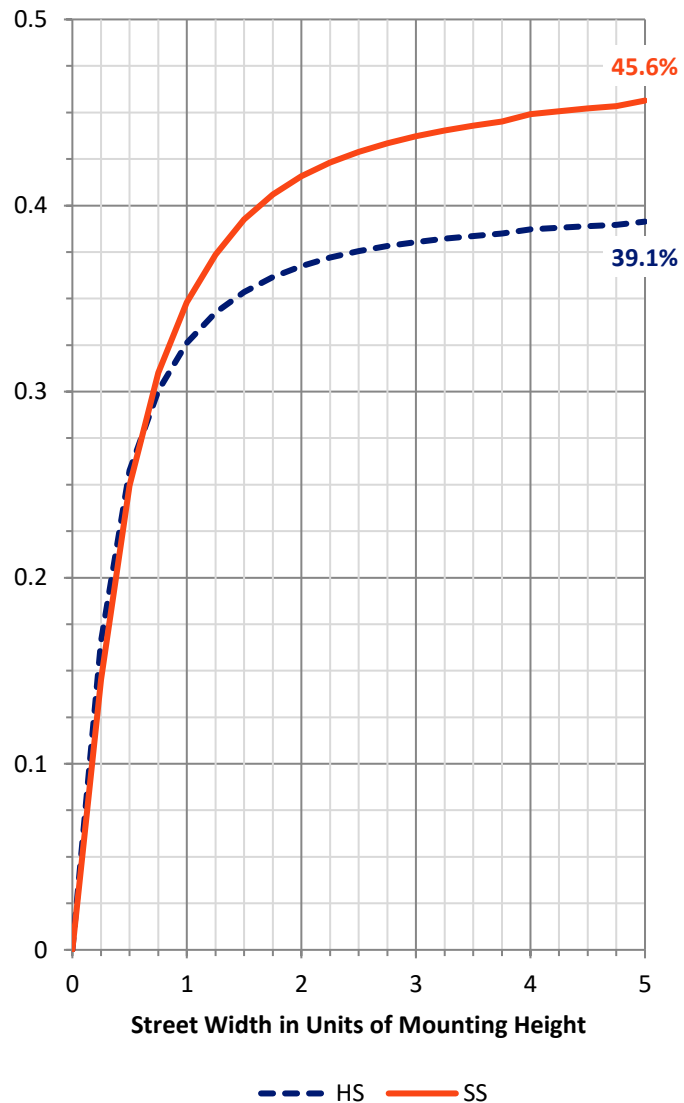
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3175.2	340.5	3515.6
	% Fixture	40.2	4.3	44.5
Street Side	Lumens	3705.3	679.0	4384.4
	% Fixture	46.9	8.6	55.5
Total	Lumens	6880.5	1019.5	7900.0
	% Fixture	87.1	12.9	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	531.0	6.7
10°-20°	1138.9	14.4
20°-30°	1254.0	15.9
30°-40°	921.5	11.7
40°-50°	772.1	9.8
50°-60°	774.6	9.8
60°-70°	663.4	8.4
70°-80°	494.3	6.3
80°-90°	330.7	4.2
90°-100°	196.4	2.5
100°-110°	114.1	1.4
110°-120°	106.1	1.3
120°-130°	153.9	1.9
130°-140°	207.1	2.6
140°-150°	167.7	2.1
150°-160°	66.2	0.8
160°-170°	8.1	0.1
170°-180°	0.0	0.0
0°-90°	6880.5	87.1
0°-180°	7900.0	100.0

Coefficient of Utilization



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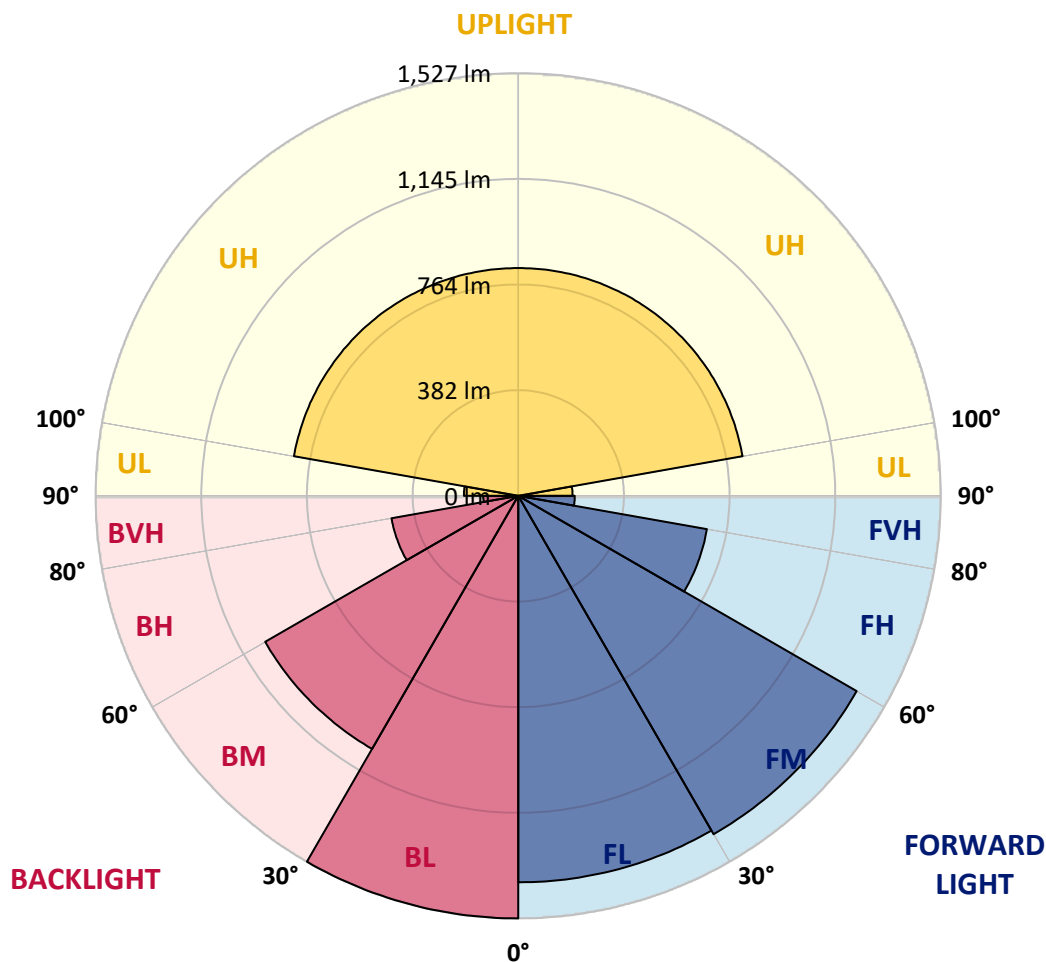
CATALOG NUMBER: CRTK2-C01H-D-U-T3-7030-RMARROA5

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1396.8	17.7			
FM	(30°-60°)	1412.1	17.9			
FH	(60°-80°)	692.3	8.8			G1/1800
FVH	(80°-90°)	204.2	2.6			G2/225
BL	(0°-30°)	1527.2	19.3	B3/2500		
BM	(30°-60°)	1056.1	13.4	B2/2500		
BH	(60°-80°)	465.4	5.9	B1/500		G1/500
BVH	(80°-90°)	126.6	1.6			G2/225
UL	(90°-100°)	196.4	2.5		U3/500	
UH	(100°-180°)	823.1	10.4		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°	6613.1	6613.1	6613.1	6613.1	6613.1	6613.1	6613.1	6613.1	6613.1	6613.1	6613.1
2.5°	5094.7	5170.0	5207.6	5320.6	5358.2	5430.4	5540.2	5650.0	5835.1	5973.1	6079.7
5°	4175.5	4238.3	4307.3	4451.6	4536.3	4686.9	4862.5	5050.8	5289.2	5530.8	5656.2
7.5°	3639.1	3654.7	3755.1	3930.8	4084.5	4244.5	4435.9	4599.0	4762.2	4959.8	5085.3
10°	3344.2	3366.1	3432.0	3566.9	3698.7	3830.4	3981.0	4106.5	4272.8	4439.0	4514.3
12.5°	3256.3	3265.7	3322.2	3400.6	3485.3	3570.0	3686.1	3799.1	3946.5	4090.8	4141.0
15°	3334.8	3334.8	3344.2	3375.5	3419.5	3485.3	3573.2	3670.4	3805.3	3912.0	3965.3
17.5°	3372.4	3375.5	3400.6	3406.9	3447.7	3475.9	3554.4	3629.7	3758.3	3846.1	3874.3
20°	3472.8	3472.8	3475.9	3491.6	3497.9	3513.6	3548.1	3588.9	3695.5	3742.6	3736.3
22.5°	3504.2	3491.6	3541.8	3632.8	3629.7	3632.8	3601.4	3610.8	3670.4	3651.6	3607.7
25°	2876.7	2861.1	2917.5	2974.0	3055.6	3159.1	3416.3	3617.1	3692.4	3632.8	3535.5
27.5°	2676.0	2607.0	2591.3	2456.4	2334.0	2133.2	2114.4	1988.9	1976.4	2054.8	2127.0
30°	1901.1	1904.2	1901.1	1888.5	1879.1	1888.5	1898.0	1876.0	1882.3	1932.5	1910.5
32.5°	1854.0	1854.0	1841.5	1835.2	1807.0	1797.6	1781.9	1741.1	1747.4	1785.0	1775.6
35°	1728.6	1722.3	1725.4	1709.7	1659.5	1618.8	1612.5	1578.0	1578.0	1599.9	1590.5
37.5°	1540.3	1530.9	1568.6	1565.4	1524.6	1509.0	1493.3	1471.3	1471.3	1490.1	1471.3
40°	1392.9	1386.6	1427.4	1439.9	1414.8	1421.1	1424.3	1405.4	1424.3	1427.4	1402.3
42.5°	1236.0	1232.9	1267.4	1264.3	1242.3	1239.2	1236.0	1223.5	1254.8	1279.9	1261.1
45°	1050.9	1041.5	1066.6	1076.0	1069.8	1060.3	1057.2	1057.2	1076.0	1088.6	1069.8
47.5°	928.6	931.7	950.5	972.5	978.8	985.1	981.9	975.6	988.2	991.3	975.6
50°	887.8	890.9	919.2	944.3	963.1	975.6	975.6	966.2	975.6	966.2	944.3
52.5°	906.6	906.6	944.3	981.9	1013.3	1035.3	1038.4	1025.8	1025.8	1000.7	966.2
55°	912.9	919.2	969.4	1032.1	1088.6	1148.2	1176.4	1167.0	1176.4	1123.1	1066.6
57.5°	853.3	869.0	919.2	994.5	1069.8	1163.9	1223.5	1229.8	1226.6	1179.6	1110.5
60°	774.9	787.4	821.9	887.8	960.0	1035.3	1094.9	1107.4	1120.0	1098.0	1035.3
62.5°	721.5	727.8	756.0	803.1	853.3	894.1	916.0	912.9	925.5	919.2	872.1
65°	674.5	677.6	709.0	746.6	778.0	818.8	825.1	825.1	834.5	821.9	784.3
67.5°	624.3	624.3	649.4	683.9	721.5	756.0	765.5	768.6	781.1	768.6	740.4
70°	580.4	580.4	602.3	630.6	658.8	693.3	702.7	705.9	721.5	705.9	677.6
72.5°	539.6	539.6	558.4	583.5	608.6	636.8	646.2	649.4	661.9	646.2	624.3
75°	495.7	498.8	514.5	536.4	558.4	583.5	596.1	596.1	605.5	586.6	567.8
77.5°	451.7	454.9	470.6	489.4	508.2	533.3	539.6	542.7	552.1	533.3	514.5
80°	407.8	414.1	426.6	442.3	461.2	480.0	492.5	492.5	498.8	480.0	467.4
82.5°	367.0	373.3	382.7	395.3	414.1	432.9	445.5	445.5	448.6	432.9	417.2
85°	326.3	332.5	341.9	351.4	367.0	385.9	398.4	398.4	401.6	385.9	373.3
87.5°	288.6	294.9	301.2	310.6	323.1	341.9	354.5	354.5	354.5	341.9	329.4
90°	251.0	254.1	260.4	269.8	282.3	298.0	307.4	310.6	310.6	294.9	288.6
92.5°	222.7	222.7	229.0	235.3	247.8	260.4	269.8	272.9	272.9	263.5	254.1
95°	191.4	194.5	197.6	203.9	213.3	222.7	235.3	235.3	235.3	229.0	222.7
97.5°	169.4	166.3	169.4	172.5	182.0	188.2	197.6	200.8	200.8	194.5	191.4
100°	144.3	147.4	147.4	150.6	153.7	156.9	163.1	166.3	166.3	163.1	163.1
102.5°	134.9	131.8	131.8	131.8	131.8	131.8	134.9	134.9	138.0	134.9	131.8
105°	125.5	125.5	125.5	125.5	122.3	122.3	122.3	122.3	119.2	116.1	116.1
107.5°	122.3	122.3	122.3	122.3	119.2	119.2	116.1	116.1	112.9	109.8	106.7
110°	122.3	122.3	122.3	122.3	119.2	116.1	116.1	112.9	109.8	106.7	103.5



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	128.6	128.6	128.6	128.6	122.3	119.2	116.1	116.1	109.8	106.7	103.5
115°	141.2	141.2	138.0	138.0	134.9	128.6	125.5	122.3	119.2	112.9	109.8
117.5°	153.7	153.7	153.7	153.7	150.6	144.3	138.0	134.9	131.8	122.3	119.2
120°	175.7	175.7	175.7	178.8	172.5	166.3	160.0	153.7	150.6	141.2	134.9
122.5°	203.9	200.8	207.1	210.2	207.1	197.6	188.2	182.0	175.7	163.1	156.9
125°	232.1	232.1	238.4	247.8	247.8	238.4	225.9	216.5	210.2	191.4	182.0
127.5°	266.7	266.7	276.1	291.8	294.9	285.5	272.9	260.4	251.0	225.9	216.5
130°	298.0	298.0	316.8	335.7	345.1	335.7	323.1	307.4	294.9	266.7	251.0
132.5°	323.1	326.3	348.2	373.3	385.9	382.7	367.0	354.5	341.9	307.4	288.6
135°	348.2	351.4	376.5	407.8	423.5	423.5	411.0	395.3	379.6	341.9	320.0
137.5°	360.8	363.9	395.3	426.6	445.5	451.7	445.5	429.8	414.1	373.3	345.1
140°	360.8	367.0	398.4	429.8	448.6	458.0	458.0	442.3	426.6	389.0	360.8
142.5°	351.4	357.6	385.9	417.2	436.1	448.6	451.7	439.2	423.5	385.9	357.6
145°	332.5	335.7	363.9	392.1	411.0	426.6	432.9	423.5	404.7	373.3	345.1
147.5°	301.2	301.2	326.3	348.2	373.3	389.0	398.4	392.1	376.5	348.2	323.1
150°	257.2	257.2	276.1	298.0	320.0	338.8	348.2	348.2	332.5	310.6	285.5
152.5°	203.9	207.1	219.6	238.4	260.4	276.1	288.6	288.6	279.2	260.4	238.4
155°	156.9	156.9	166.3	178.8	197.6	213.3	222.7	222.7	216.5	200.8	188.2
157.5°	112.9	112.9	119.2	131.8	144.3	156.9	166.3	166.3	160.0	150.6	141.2
160°	75.3	75.3	78.4	87.8	97.3	106.7	112.9	116.1	112.9	106.7	97.3
162.5°	40.8	40.8	43.9	50.2	56.5	65.9	69.0	72.2	72.2	65.9	62.7
165°	12.5	12.5	12.5	18.8	22.0	28.2	31.4	34.5	34.5	34.5	31.4
167.5°	3.1	3.1	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	3.1	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°	6613.1	6613.1	6613.1	6613.1	6613.1	6613.1	6613.1	6613.1	6613.1	6613.1	6613.1
2.5°	6180.1	6412.3	6669.5	6933.0	7202.8	7456.9	7670.3	7839.7	7930.7	7952.6	7940.1
5°	5769.2	6042.1	6343.3	6650.7	7002.1	7406.8	7776.9	8043.6	8181.6	8203.6	8209.9
7.5°	5182.5	5421.0	5715.8	6070.3	6512.7	6945.6	7516.5	7915.0	8137.7	8197.3	8197.3
10°	4564.5	4774.7	4959.8	5270.4	5656.2	6060.9	6547.2	6914.2	7140.1	7212.2	7149.5
12.5°	4216.3	4307.3	4432.8	4661.8	4903.3	5210.8	5631.1	5869.6	6017.0	6060.9	6023.3
15°	3993.6	4040.6	4093.9	4191.2	4360.6	4552.0	4799.8	4947.2	5038.2	5091.6	5072.7
17.5°	3886.9	3886.9	3877.5	3899.4	3943.4	4031.2	4200.6	4253.9	4294.7	4316.7	4304.1
20°	3723.8	3673.6	3632.8	3570.0	3545.0	3541.8	3582.6	3639.1	3635.9	3639.1	3614.0
22.5°	3560.6	3457.1	3356.7	3262.6	3155.9	3102.6	3065.0	3083.8	3068.1	3083.8	3068.1
25°	3482.2	3272.0	3071.2	2842.2	2650.9	2503.4	2406.2	2346.6	2246.2	2283.8	2249.3
27.5°	2161.5	2073.6	1988.9	1819.5	1659.5	1603.1	1556.0	1530.9	1512.1	1521.5	1515.2
30°	1872.9	1800.7	1734.8	1647.0	1524.6	1449.4	1392.9	1342.7	1327.0	1330.1	1327.0
32.5°	1738.0	1681.5	1599.9	1509.0	1399.2	1305.0	1239.2	1192.1	1167.0	1182.7	1170.1
35°	1556.0	1499.5	1430.5	1345.8	1251.7	1167.0	1104.3	1060.3	1032.1	1038.4	1035.3
37.5°	1436.8	1383.5	1323.9	1232.9	1151.3	1069.8	1007.0	963.1	934.9	941.1	934.9
40°	1367.8	1308.2	1245.4	1163.9	1082.3	997.6	938.0	887.8	859.6	859.6	859.6
42.5°	1226.6	1179.6	1126.2	1041.5	969.4	897.2	837.6	800.0	768.6	771.7	765.5
45°	1047.8	1013.3	972.5	916.0	856.4	800.0	749.8	721.5	696.4	699.6	696.4
47.5°	956.8	925.5	878.4	834.5	781.1	730.9	687.0	652.5	633.7	636.8	630.6
50°	922.3	884.7	831.3	771.7	721.5	671.3	627.4	602.3	583.5	586.6	583.5
52.5°	934.9	875.3	800.0	727.8	668.2	618.0	583.5	555.3	542.7	545.9	539.6
55°	1016.4	912.9	800.0	709.0	633.7	577.2	542.7	511.4	498.8	498.8	498.8
57.5°	1044.7	931.7	790.6	687.0	605.5	549.0	508.2	476.8	464.3	464.3	464.3
60°	978.8	881.5	752.9	655.7	580.4	527.0	492.5	470.6	461.2	461.2	461.2
62.5°	837.6	774.9	677.6	599.2	542.7	495.7	461.2	432.9	423.5	420.4	420.4
65°	759.2	699.6	618.0	552.1	501.9	464.3	432.9	411.0	398.4	398.4	398.4
67.5°	709.0	652.5	577.2	514.5	467.4	426.6	398.4	376.5	370.2	367.0	367.0
70°	652.5	599.2	523.9	467.4	423.5	389.0	360.8	341.9	335.7	335.7	332.5
72.5°	596.1	545.9	473.7	420.4	379.6	348.2	323.1	307.4	301.2	298.0	298.0
75°	542.7	492.5	426.6	376.5	338.8	310.6	288.6	272.9	266.7	266.7	266.7
77.5°	492.5	445.5	382.7	335.7	304.3	276.1	257.2	244.7	238.4	238.4	238.4
80°	445.5	398.4	341.9	298.0	266.7	244.7	229.0	216.5	210.2	213.3	210.2
82.5°	395.3	357.6	304.3	263.5	238.4	216.5	200.8	191.4	185.1	188.2	185.1
85°	354.5	316.8	266.7	232.1	207.1	188.2	175.7	166.3	160.0	163.1	160.0
87.5°	313.7	279.2	235.3	203.9	182.0	166.3	150.6	144.3	141.2	141.2	138.0
90°	269.8	238.4	200.8	175.7	153.7	141.2	128.6	122.3	119.2	116.1	116.1
92.5°	238.4	213.3	178.8	156.9	138.0	128.6	116.1	109.8	106.7	106.7	106.7
95°	210.2	188.2	160.0	141.2	128.6	116.1	106.7	103.5	100.4	100.4	97.3
97.5°	182.0	163.1	144.3	128.6	116.1	106.7	97.3	94.1	91.0	91.0	91.0
100°	153.7	141.2	125.5	112.9	103.5	97.3	87.8	84.7	81.6	81.6	81.6
102.5°	128.6	119.2	106.7	97.3	91.0	84.7	78.4	75.3	72.2	72.2	72.2
105°	112.9	103.5	97.3	87.8	81.6	75.3	72.2	65.9	62.7	62.7	62.7
107.5°	103.5	97.3	91.0	84.7	78.4	72.2	65.9	59.6	56.5	56.5	56.5
110°	100.4	94.1	87.8	81.6	75.3	69.0	65.9	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°	100.4	97.3	91.0	84.7	78.4	72.2	65.9	53.3	50.2	50.2	50.2
115°	106.7	100.4	94.1	87.8	81.6	75.3	69.0	53.3	50.2	50.2	50.2
117.5°	116.1	109.8	100.4	94.1	87.8	78.4	69.0	56.5	50.2	50.2	50.2
120°	131.8	122.3	112.9	103.5	94.1	84.7	72.2	56.5	47.1	50.2	50.2
122.5°	150.6	141.2	125.5	112.9	103.5	91.0	75.3	59.6	47.1	50.2	50.2
125°	175.7	163.1	144.3	128.6	112.9	97.3	78.4	59.6	47.1	50.2	53.3
127.5°	203.9	185.1	163.1	141.2	122.3	103.5	84.7	62.7	47.1	53.3	53.3
130°	235.3	213.3	185.1	156.9	134.9	109.8	87.8	62.7	50.2	50.2	50.2
132.5°	269.8	238.4	200.8	169.4	141.2	112.9	87.8	62.7	50.2	50.2	50.2
135°	294.9	257.2	216.5	178.8	147.4	116.1	91.0	62.7	47.1	47.1	47.1
137.5°	316.8	272.9	229.0	185.1	150.6	116.1	87.8	59.6	47.1	43.9	43.9
140°	329.4	279.2	229.0	185.1	147.4	112.9	81.6	56.5	40.8	40.8	40.8
142.5°	329.4	276.1	225.9	178.8	138.0	106.7	78.4	50.2	37.6	37.6	37.6
145°	316.8	263.5	213.3	169.4	128.6	97.3	69.0	47.1	34.5	34.5	34.5
147.5°	294.9	241.6	194.5	153.7	112.9	84.7	59.6	37.6	28.2	28.2	28.2
150°	263.5	213.3	169.4	131.8	97.3	69.0	50.2	31.4	22.0	22.0	22.0
152.5°	219.6	178.8	138.0	109.8	78.4	56.5	37.6	25.1	18.8	18.8	18.8
155°	172.5	141.2	109.8	84.7	59.6	40.8	28.2	18.8	12.5	12.5	12.5
157.5°	131.8	106.7	81.6	62.7	43.9	31.4	22.0	12.5	9.4	9.4	9.4
160°	91.0	72.2	56.5	43.9	28.2	22.0	15.7	9.4	6.3	6.3	6.3
162.5°	59.6	47.1	34.5	25.1	18.8	12.5	9.4	6.3	3.1	3.1	3.1
165°	28.2	22.0	18.8	12.5	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	3.1	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)