

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: P690829

Luminaire Tested: **CRTK2-C01-5TLD-U-T2-7030-RMARROA5-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P690829
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-8)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C01-5TLD-U-T2-7030-RMARROA5-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K LED WITH TYPE II OPTIC AND NEMA REFRACTOR WITH HOUSE
SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6285.1 lumens
Efficiency: N/A
Efficacy: 104.8 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): 60
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



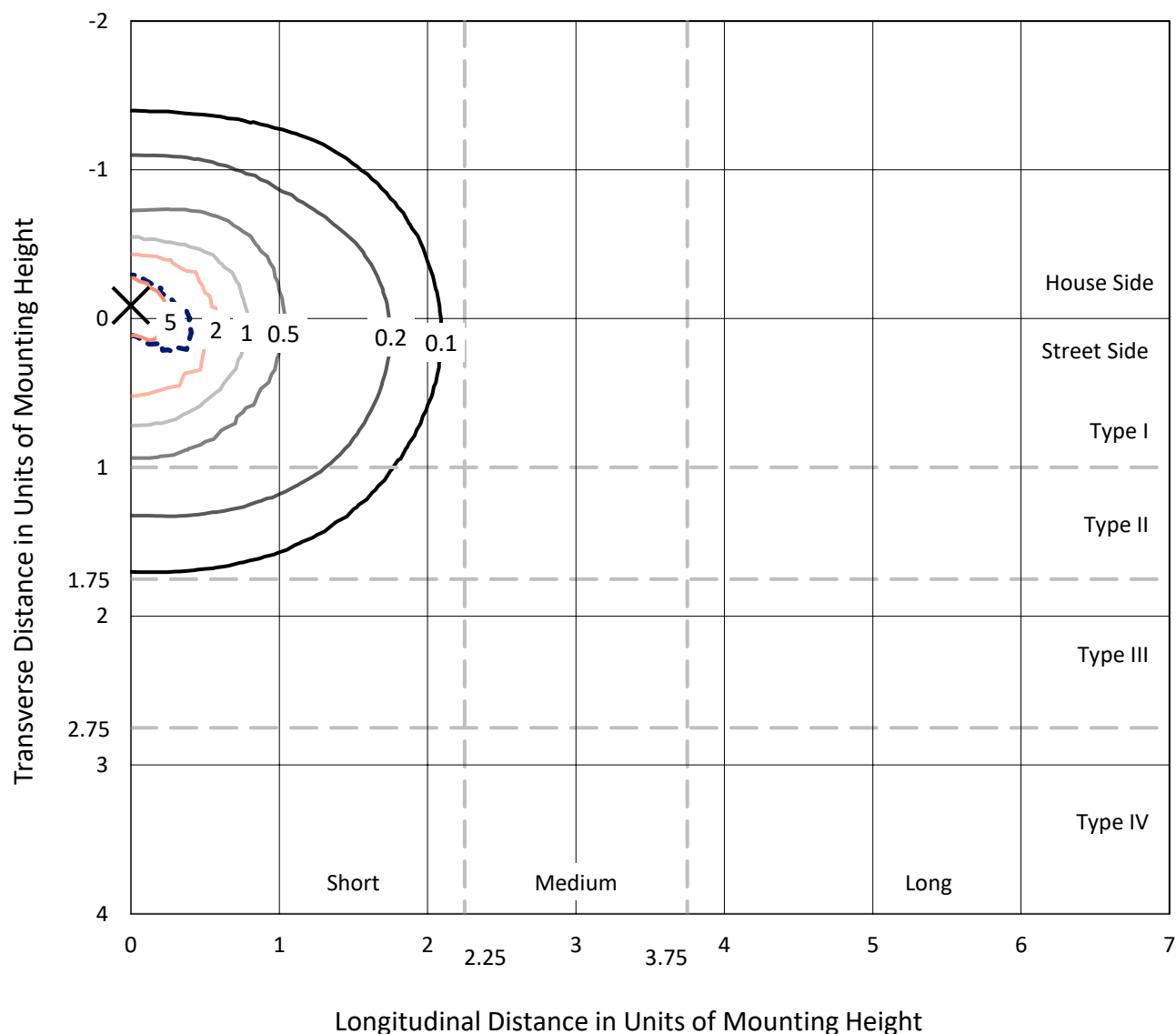
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd



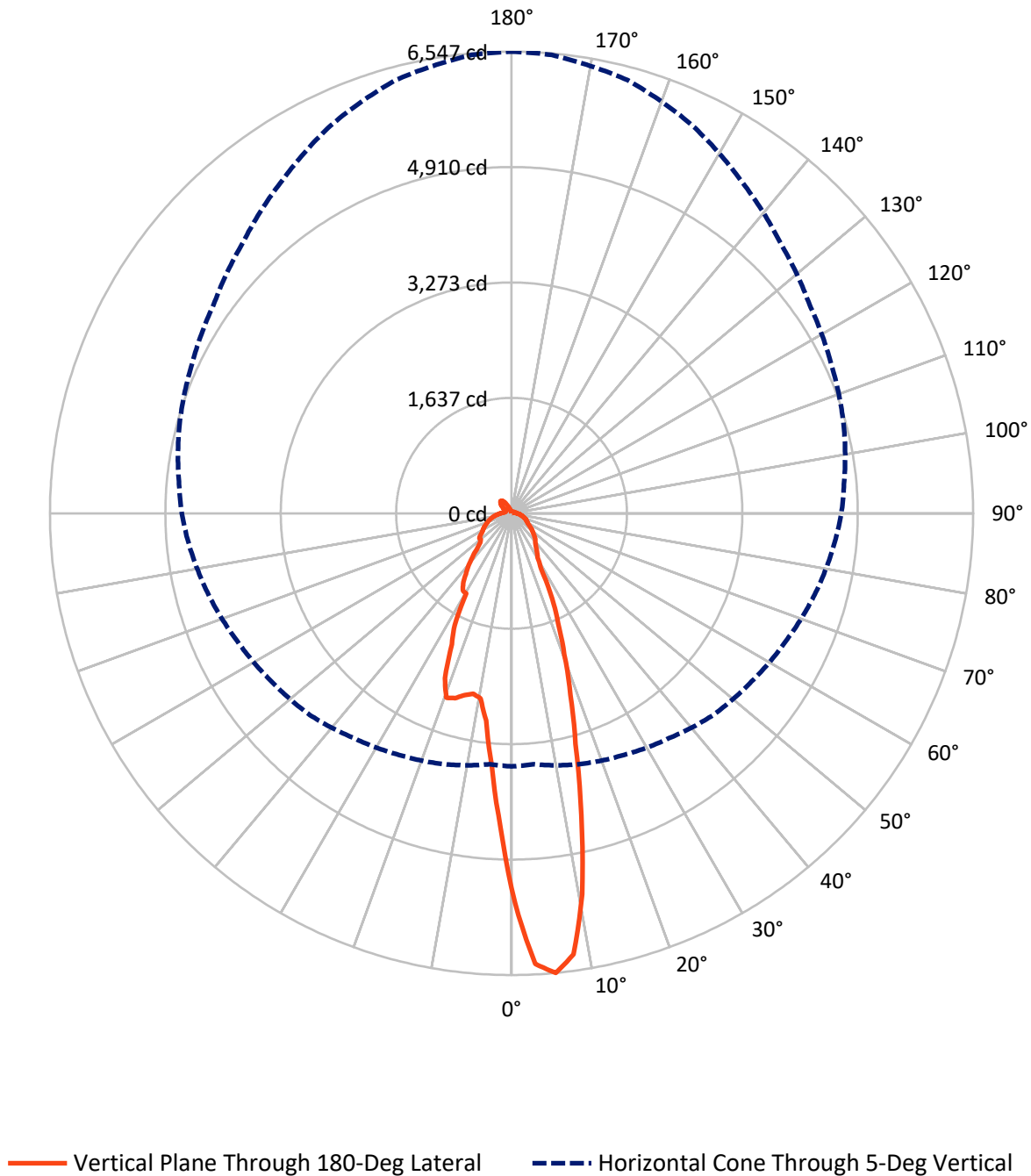
Based on 25 foot mounting height. Maximum calculated value = 9.9 fc

Type I - Short - N/A

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Luminous Intensity Polar Plot



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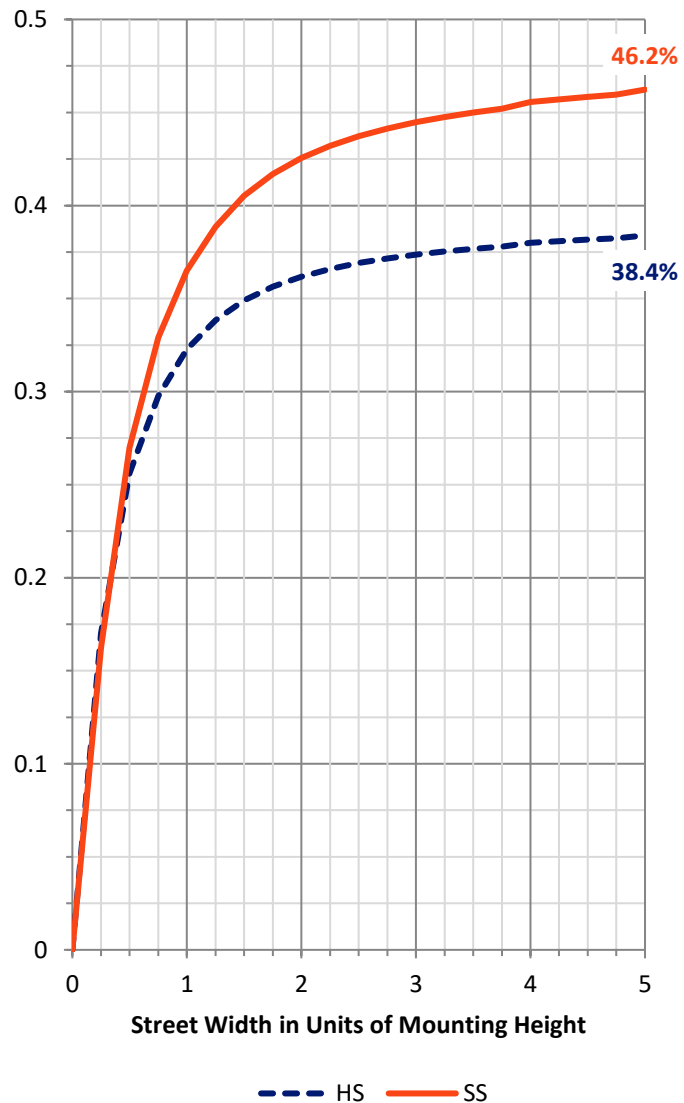
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2476.8	290.8	2767.7
	% Fixture	39.4	4.6	44.0
Street Side	Lumens	2976.8	540.6	3517.4
	% Fixture	47.4	8.6	56.0
Total	Lumens	5453.6	831.5	6285.1
	% Fixture	86.8	13.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	427.7	6.8
10°-20°	907.5	14.4
20°-30°	987.6	15.7
30°-40°	723.0	11.5
40°-50°	607.8	9.7
50°-60°	617.3	9.8
60°-70°	524.7	8.3
70°-80°	391.5	6.2
80°-90°	266.5	4.2
90°-100°	160.0	2.5
100°-110°	91.8	1.5
110°-120°	84.5	1.3
120°-130°	122.7	2.0
130°-140°	168.8	2.7
140°-150°	139.7	2.2
150°-160°	56.8	0.9
160°-170°	7.1	0.1
170°-180°	0.0	0.0
0°-90°	5453.6	86.8
0°-180°	6285.1	100.0

Coefficient of Utilization



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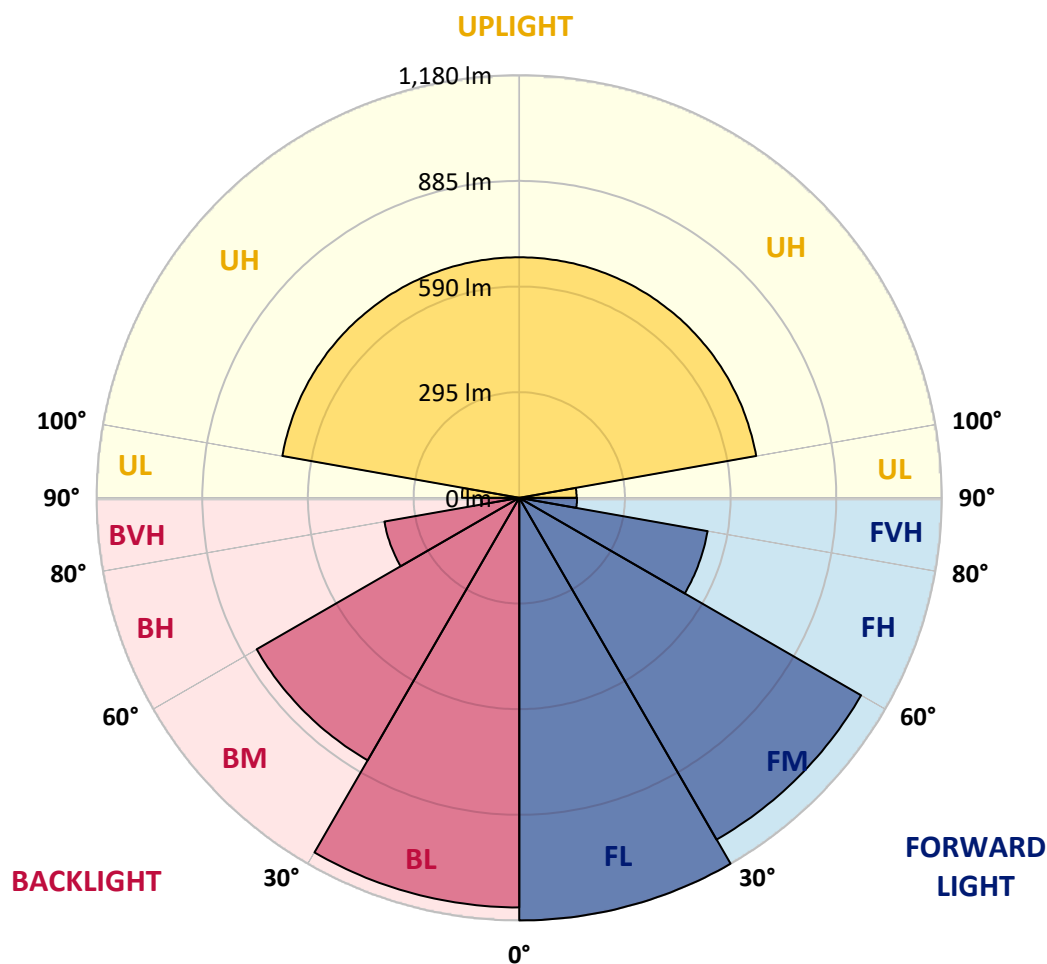
CATALOG NUMBER: CRTK2-C01-5TLD-U-T2-7030-RMARROA5-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1179.6	18.8			
FM	(30°-60°)	1101.9	17.5			
FH	(60°-80°)	533.9	8.5			G0/660
FVH	(80°-90°)	161.4	2.6			G2/225
BL	(0°-30°)	1143.2	18.2	B3/2500		
BM	(30°-60°)	846.2	13.5	B1/1000		
BH	(60°-80°)	382.3	6.1	B1/500		G1/500
BVH	(80°-90°)	105.1	1.7			G2/225
UL	(90°-100°)	160.0	2.5		U3/500	
UH	(100°-180°)	671.4	10.7		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°	5525.0	5525.0	5525.0	5525.0	5525.0	5525.0	5525.0	5525.0	5525.0	5525.0	5525.0
2.5°	4455.8	4447.4	4509.0	4523.0	4528.6	4592.9	4679.7	4738.5	4844.8	4948.4	4990.4
5°	3588.2	3571.4	3683.3	3778.5	3893.2	4044.4	4156.3	4290.7	4450.2	4604.1	4676.9
7.5°	2958.4	2980.8	3140.3	3336.3	3521.0	3700.1	3837.3	3952.0	4044.4	4142.3	4161.9
10°	2661.7	2681.3	2838.1	3025.6	3196.3	3378.2	3495.8	3593.8	3652.5	3725.3	3750.5
12.5°	2614.1	2628.1	2734.5	2866.0	2994.8	3159.9	3308.3	3417.4	3484.6	3543.4	3549.0
15°	2661.7	2667.3	2731.7	2818.5	2930.4	3067.6	3238.3	3361.4	3437.0	3462.2	3456.6
17.5°	2740.1	2740.1	2770.9	2843.7	2950.0	3081.6	3243.9	3369.8	3448.2	3459.4	3437.0
20°	2773.7	2779.3	2798.9	2880.0	2975.2	3095.6	3257.9	3364.2	3425.8	3395.0	3355.8
22.5°	2521.8	2510.6	2563.8	2734.5	2947.2	3162.7	3316.7	3437.0	3470.6	3367.0	3283.1
25°	2040.4	2046.0	2079.6	2163.5	2328.7	2527.4	2868.8	3235.5	3490.2	3451.0	3325.1
27.5°	1780.1	1763.3	1771.7	1785.7	1763.3	1721.3	1760.5	1752.1	1746.5	1847.3	1858.5
30°	1307.1	1309.9	1323.9	1349.1	1402.2	1480.6	1564.6	1612.1	1654.1	1732.5	1721.3
32.5°	1298.7	1301.5	1309.9	1332.3	1360.3	1413.4	1466.6	1486.2	1531.0	1595.4	1575.8
35°	1214.7	1206.3	1228.7	1248.3	1256.7	1279.1	1321.1	1349.1	1377.0	1421.8	1410.6
37.5°	1077.6	1080.4	1125.1	1155.9	1164.3	1195.1	1234.3	1256.7	1287.5	1326.7	1307.1
40°	960.0	962.8	1016.0	1049.6	1069.2	1111.2	1169.9	1197.9	1248.3	1279.1	1256.7
42.5°	825.7	836.9	873.2	912.4	923.6	948.8	988.0	1024.4	1088.8	1130.7	1116.7
45°	688.5	694.1	719.3	758.5	775.3	803.3	839.7	873.2	923.6	957.2	954.4
47.5°	607.4	613.0	635.3	668.9	702.5	738.9	778.1	811.7	859.3	887.2	876.0
50°	573.8	579.4	607.4	646.5	688.5	736.1	783.7	820.1	864.9	881.6	867.7
52.5°	579.4	579.4	618.6	668.9	727.7	792.1	850.9	895.6	932.0	943.2	912.4
55°	548.6	557.0	599.0	668.9	758.5	859.3	960.0	1055.2	1108.4	1097.2	1038.4
57.5°	501.0	509.4	540.2	615.8	710.9	831.3	974.0	1091.6	1155.9	1164.3	1105.6
60°	473.0	478.6	506.6	565.4	649.3	747.3	876.0	971.2	1044.0	1066.4	1024.4
62.5°	447.8	453.4	475.8	520.6	582.2	657.7	730.5	792.1	850.9	873.2	856.5
65°	419.8	422.6	445.0	484.2	534.6	599.0	660.5	705.3	752.9	766.9	747.3
67.5°	391.8	394.6	414.2	450.6	498.2	557.0	604.6	654.9	702.5	713.7	699.7
70°	366.7	369.5	386.2	419.8	461.8	517.8	562.6	596.2	643.7	654.9	638.1
72.5°	341.5	344.3	361.1	391.8	431.0	481.4	520.6	554.2	593.4	596.2	582.2
75°	316.3	319.1	333.1	361.1	394.6	445.0	481.4	509.4	543.0	543.0	526.2
77.5°	288.3	293.9	305.1	330.3	361.1	408.6	442.2	470.2	498.2	495.4	478.6
80°	263.1	265.9	277.1	299.5	327.5	372.2	405.8	428.2	453.4	450.6	436.6
82.5°	235.1	237.9	246.3	268.7	293.9	335.9	369.5	391.8	414.2	408.6	394.6
85°	207.1	209.9	221.1	237.9	263.1	302.3	333.1	355.5	372.2	366.7	355.5
87.5°	184.7	184.7	193.1	209.9	232.3	268.7	296.7	319.1	333.1	330.3	319.1
90°	159.5	162.3	167.9	181.9	201.5	232.3	260.3	279.9	293.9	288.3	277.1
92.5°	139.9	139.9	145.5	159.5	176.3	204.3	229.5	246.3	257.5	254.7	246.3
95°	120.4	123.2	125.9	137.1	151.1	173.5	195.9	212.7	223.9	221.1	215.5
97.5°	106.4	109.2	112.0	117.6	131.5	145.5	165.1	179.1	190.3	187.5	181.9
100°	98.0	98.0	98.0	103.6	112.0	123.2	137.1	148.3	153.9	156.7	151.1
102.5°	89.6	89.6	92.4	92.4	98.0	103.6	112.0	120.4	123.2	123.2	123.2
105°	86.8	86.8	89.6	89.6	92.4	95.2	100.8	103.6	106.4	106.4	103.6
107.5°	86.8	86.8	86.8	86.8	89.6	92.4	95.2	98.0	98.0	98.0	95.2
110°	89.6	89.6	89.6	89.6	89.6	92.4	92.4	95.2	95.2	92.4	92.4



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	92.4	92.4	92.4	92.4	92.4	95.2	95.2	95.2	95.2	92.4	92.4
115°	98.0	98.0	98.0	100.8	100.8	100.8	100.8	100.8	100.8	98.0	95.2
117.5°	109.2	109.2	109.2	109.2	112.0	112.0	112.0	112.0	112.0	106.4	106.4
120°	123.2	120.4	123.2	125.9	128.7	128.7	128.7	128.7	128.7	123.2	120.4
122.5°	137.1	137.1	139.9	145.5	151.1	153.9	151.1	151.1	151.1	142.7	139.9
125°	153.9	153.9	162.3	173.5	181.9	184.7	181.9	181.9	181.9	173.5	167.9
127.5°	173.5	173.5	184.7	201.5	215.5	223.9	221.1	221.1	221.1	207.1	198.7
130°	193.1	193.1	209.9	232.3	254.7	260.3	263.1	265.9	265.9	249.1	237.9
132.5°	207.1	209.9	229.5	260.3	288.3	296.7	305.1	307.9	307.9	288.3	271.5
135°	221.1	223.9	249.1	285.5	316.3	335.9	344.3	347.1	349.9	327.5	307.9
137.5°	229.5	232.3	260.3	302.3	333.1	358.3	377.8	383.4	383.4	358.3	333.1
140°	229.5	232.3	263.1	302.3	335.9	366.7	389.0	400.2	400.2	375.0	352.7
142.5°	223.9	229.5	257.5	296.7	330.3	361.1	386.2	397.4	397.4	375.0	352.7
145°	212.7	215.5	243.5	277.1	310.7	347.1	375.0	386.2	386.2	363.9	341.5
147.5°	193.1	195.9	218.3	249.1	282.7	319.1	347.1	361.1	358.3	338.7	319.1
150°	167.9	167.9	187.5	212.7	246.3	279.9	307.9	321.9	321.9	302.3	285.5
152.5°	137.1	137.1	151.1	170.7	198.7	232.3	254.7	268.7	268.7	254.7	240.7
155°	106.4	106.4	117.6	131.5	153.9	179.1	195.9	209.9	209.9	198.7	187.5
157.5°	75.6	75.6	86.8	98.0	114.8	134.3	148.3	156.7	159.5	148.3	142.7
160°	50.4	50.4	56.0	64.4	78.4	92.4	100.8	109.2	112.0	103.6	100.8
162.5°	28.0	28.0	30.8	39.2	47.6	56.0	64.4	70.0	70.0	67.2	64.4
165°	8.4	8.4	11.2	14.0	19.6	25.2	28.0	30.8	33.6	33.6	30.8
167.5°	0.0	0.0	2.8	2.8	2.8	2.8	5.6	5.6	8.4	8.4	8.4
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°	5525.0	5525.0	5525.0	5525.0	5525.0	5525.0	5525.0	5525.0	5525.0	5525.0	5525.0
2.5°	5077.2	5233.9	5404.6	5569.8	5771.3	5981.2	6174.3	6305.9	6375.8	6398.2	6398.2
5°	4732.9	4875.6	5001.6	5158.3	5401.8	5718.1	6068.0	6359.0	6524.2	6543.8	6546.6
7.5°	4195.5	4313.1	4444.6	4584.6	4800.1	5082.8	5544.6	6014.8	6283.5	6333.8	6314.3
10°	3756.1	3828.9	3907.2	3960.4	4111.5	4321.5	4634.9	5096.7	5427.0	5466.2	5494.2
12.5°	3551.8	3563.0	3540.6	3551.8	3602.1	3700.1	3854.0	4119.9	4335.5	4371.8	4391.4
15°	3448.2	3392.2	3302.7	3218.7	3173.9	3182.3	3215.9	3325.1	3361.4	3423.0	3395.0
17.5°	3400.6	3274.7	3134.7	2972.4	2871.6	2768.1	2712.1	2692.5	2678.5	2681.3	2706.5
20°	3280.3	3137.5	2913.6	2700.9	2538.6	2395.8	2275.5	2188.7	2141.1	2118.7	2135.5
22.5°	3154.3	2933.2	2670.1	2440.6	2208.3	2026.4	1889.2	1763.3	1693.3	1712.9	1690.5
25°	3157.1	2826.9	2513.4	2211.1	1992.8	1752.1	1533.8	1402.2	1287.5	1309.9	1340.7
27.5°	1990.0	1903.2	1679.3	1503.0	1284.7	1164.3	1055.2	962.8	898.4	901.2	892.8
30°	1687.7	1598.2	1486.2	1346.3	1181.1	1041.2	915.2	808.9	747.3	730.5	727.7
32.5°	1559.0	1483.4	1379.8	1242.7	1091.6	951.6	825.7	727.7	666.1	663.3	663.3
35°	1388.2	1318.3	1231.5	1114.0	985.2	856.5	738.9	654.9	604.6	604.6	601.8
37.5°	1281.9	1220.3	1136.3	1027.2	912.4	783.7	680.1	604.6	551.4	548.6	551.4
40°	1225.9	1161.5	1080.4	976.8	862.1	738.9	640.9	562.6	523.4	520.6	517.8
42.5°	1114.0	1063.6	993.6	898.4	797.7	688.5	596.2	526.2	492.6	489.8	492.6
45°	946.0	909.6	862.1	792.1	708.1	615.8	534.6	481.4	447.8	447.8	447.8
47.5°	867.7	834.1	780.9	710.9	638.1	551.4	484.2	439.4	408.6	408.6	408.6
50°	848.1	806.1	736.1	657.7	579.4	503.8	442.2	397.4	375.0	372.2	375.0
52.5°	876.0	811.7	716.5	624.1	537.4	464.6	405.8	363.9	341.5	341.5	341.5
55°	976.8	859.3	733.3	615.8	512.2	431.0	372.2	330.3	307.9	305.1	307.9
57.5°	1044.0	895.6	738.9	607.4	495.4	408.6	344.3	299.5	277.1	274.3	277.1
60°	985.2	864.9	713.7	585.0	481.4	391.8	324.7	279.9	257.5	254.7	254.7
62.5°	817.3	747.3	638.1	529.0	445.0	366.7	305.1	263.1	240.7	237.9	240.7
65°	724.9	663.3	568.2	481.4	408.6	341.5	288.3	251.9	229.5	229.5	229.5
67.5°	674.5	618.6	529.0	445.0	377.8	316.3	265.9	232.3	212.7	212.7	212.7
70°	615.8	559.8	478.6	403.0	341.5	288.3	243.5	209.9	193.1	190.3	193.1
72.5°	565.4	509.4	433.8	363.9	307.9	260.3	221.1	190.3	176.3	173.5	176.3
75°	509.4	456.2	383.4	321.9	274.3	232.3	198.7	170.7	159.5	156.7	156.7
77.5°	461.8	411.4	344.3	288.3	246.3	207.1	176.3	156.7	145.5	142.7	142.7
80°	419.8	372.2	307.9	257.5	218.3	184.7	159.5	139.9	128.7	128.7	128.7
82.5°	375.0	333.1	274.3	226.7	193.1	165.1	139.9	123.2	114.8	114.8	114.8
85°	338.7	296.7	240.7	201.5	167.9	142.7	123.2	109.2	100.8	100.8	100.8
87.5°	299.5	263.1	212.7	176.3	148.3	125.9	106.4	92.4	89.6	86.8	86.8
90°	260.3	226.7	181.9	151.1	125.9	106.4	89.6	78.4	75.6	72.8	72.8
92.5°	232.3	201.5	165.1	137.1	114.8	95.2	84.0	72.8	70.0	70.0	67.2
95°	201.5	176.3	145.5	123.2	103.6	89.6	78.4	70.0	67.2	67.2	64.4
97.5°	173.5	151.1	128.7	112.0	95.2	84.0	72.8	67.2	61.6	61.6	61.6
100°	145.5	128.7	112.0	95.2	86.8	75.6	67.2	61.6	58.8	56.0	56.0
102.5°	117.6	106.4	92.4	84.0	72.8	64.4	58.8	53.2	50.4	50.4	50.4
105°	100.8	92.4	84.0	75.6	67.2	58.8	53.2	47.6	44.8	44.8	44.8
107.5°	92.4	86.8	78.4	70.0	64.4	56.0	50.4	42.0	39.2	42.0	42.0
110°	89.6	84.0	75.6	70.0	61.6	56.0	50.4	39.2	36.4	39.2	39.2



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CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	179°	180°
112.5°	89.6	84.0	78.4	70.0	64.4	56.0	50.4	39.2	36.4	36.4	36.4
115°	92.4	89.6	81.2	75.6	67.2	58.8	50.4	39.2	36.4	36.4	36.4
117.5°	103.6	98.0	89.6	81.2	72.8	61.6	53.2	39.2	36.4	36.4	36.4
120°	114.8	109.2	100.8	89.6	78.4	67.2	56.0	39.2	33.6	36.4	36.4
122.5°	134.3	125.9	114.8	100.8	86.8	72.8	56.0	42.0	30.8	36.4	36.4
125°	159.5	148.3	131.5	112.0	95.2	78.4	58.8	42.0	33.6	36.4	36.4
127.5°	187.5	173.5	151.1	125.9	103.6	81.2	61.6	42.0	33.6	33.6	36.4
130°	223.9	201.5	170.7	139.9	112.0	86.8	61.6	42.0	33.6	33.6	33.6
132.5°	254.7	226.7	187.5	151.1	117.6	89.6	61.6	42.0	30.8	30.8	30.8
135°	285.5	249.1	201.5	159.5	123.2	89.6	61.6	39.2	30.8	30.8	30.8
137.5°	310.7	263.1	212.7	162.3	123.2	86.8	58.8	36.4	28.0	28.0	28.0
140°	324.7	271.5	215.5	162.3	117.6	84.0	53.2	33.6	25.2	25.2	25.2
142.5°	324.7	268.7	212.7	156.7	112.0	78.4	47.6	28.0	22.4	22.4	22.4
145°	313.5	257.5	201.5	148.3	103.6	70.0	42.0	25.2	16.8	16.8	19.6
147.5°	293.9	237.9	184.7	134.3	92.4	58.8	36.4	19.6	14.0	14.0	14.0
150°	260.3	209.9	159.5	117.6	78.4	50.4	30.8	16.8	11.2	11.2	11.2
152.5°	218.3	173.5	134.3	98.0	64.4	39.2	22.4	14.0	8.4	8.4	8.4
155°	173.5	137.1	106.4	75.6	47.6	30.8	16.8	11.2	8.4	8.4	8.4
157.5°	128.7	103.6	78.4	56.0	36.4	22.4	14.0	8.4	5.6	5.6	5.6
160°	89.6	72.8	53.2	36.4	22.4	14.0	8.4	5.6	2.8	2.8	2.8
162.5°	58.8	44.8	33.6	22.4	14.0	8.4	5.6	2.8	2.8	2.8	2.8
165°	28.0	22.4	16.8	11.2	5.6	5.6	2.8	2.8	0.0	0.0	0.0
167.5°	8.4	5.6	2.8	2.8	2.8	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)