

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: P691674

Luminaire Tested: **CRTK2-C018-D-U-T2-7050-RMARROA5**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691674
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-C018-D-U-T2-7050-RMARROA5
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 5000K LED WITH TYPE II OPTIC AND NEMA REFRACTOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5762 lumens
Efficiency: N/A
Efficacy: 114.3 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.54')
IES Classification: Type I - Short
BUG Rating: B3 - U4 - G2

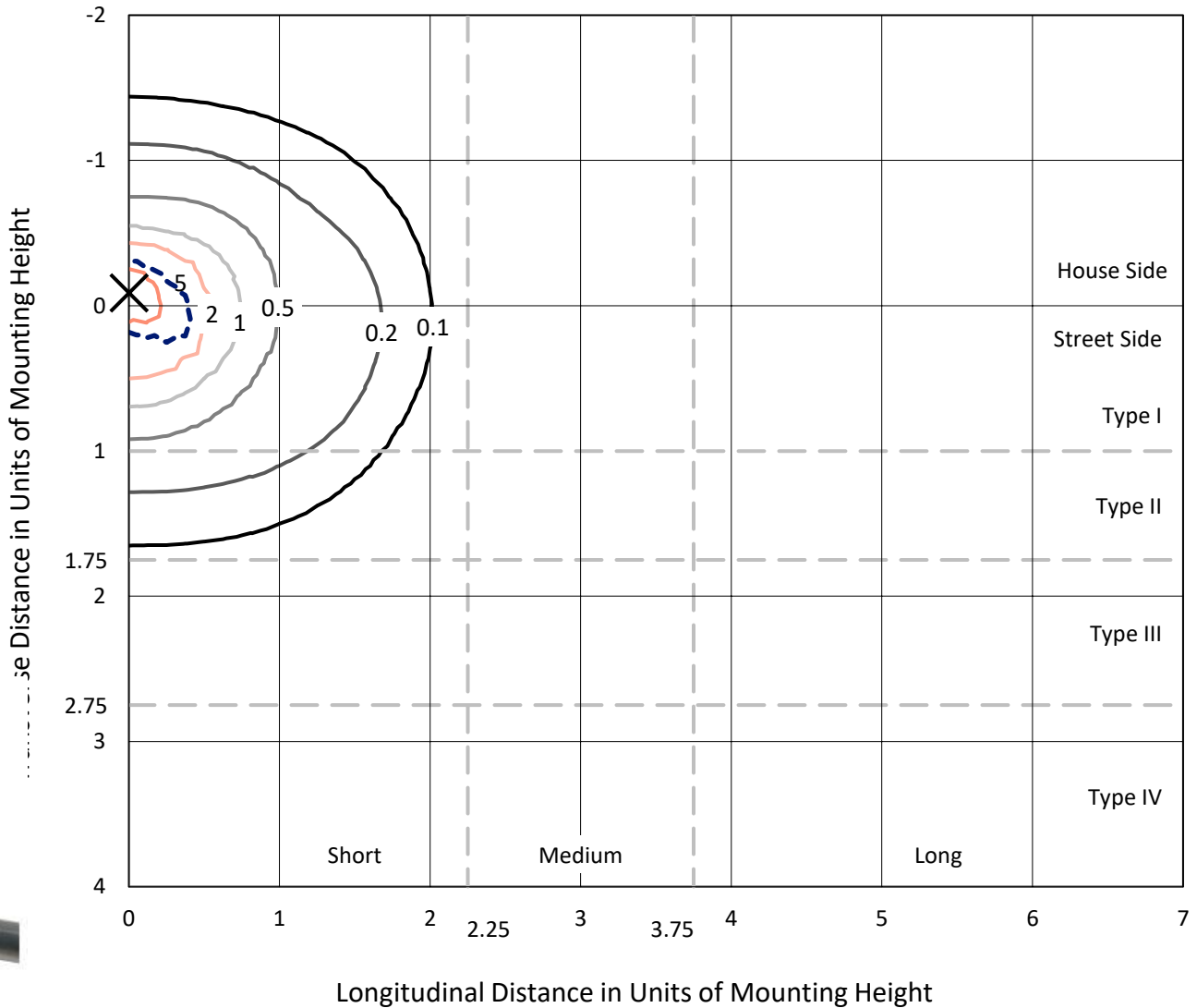
Input Watts (W): 50.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

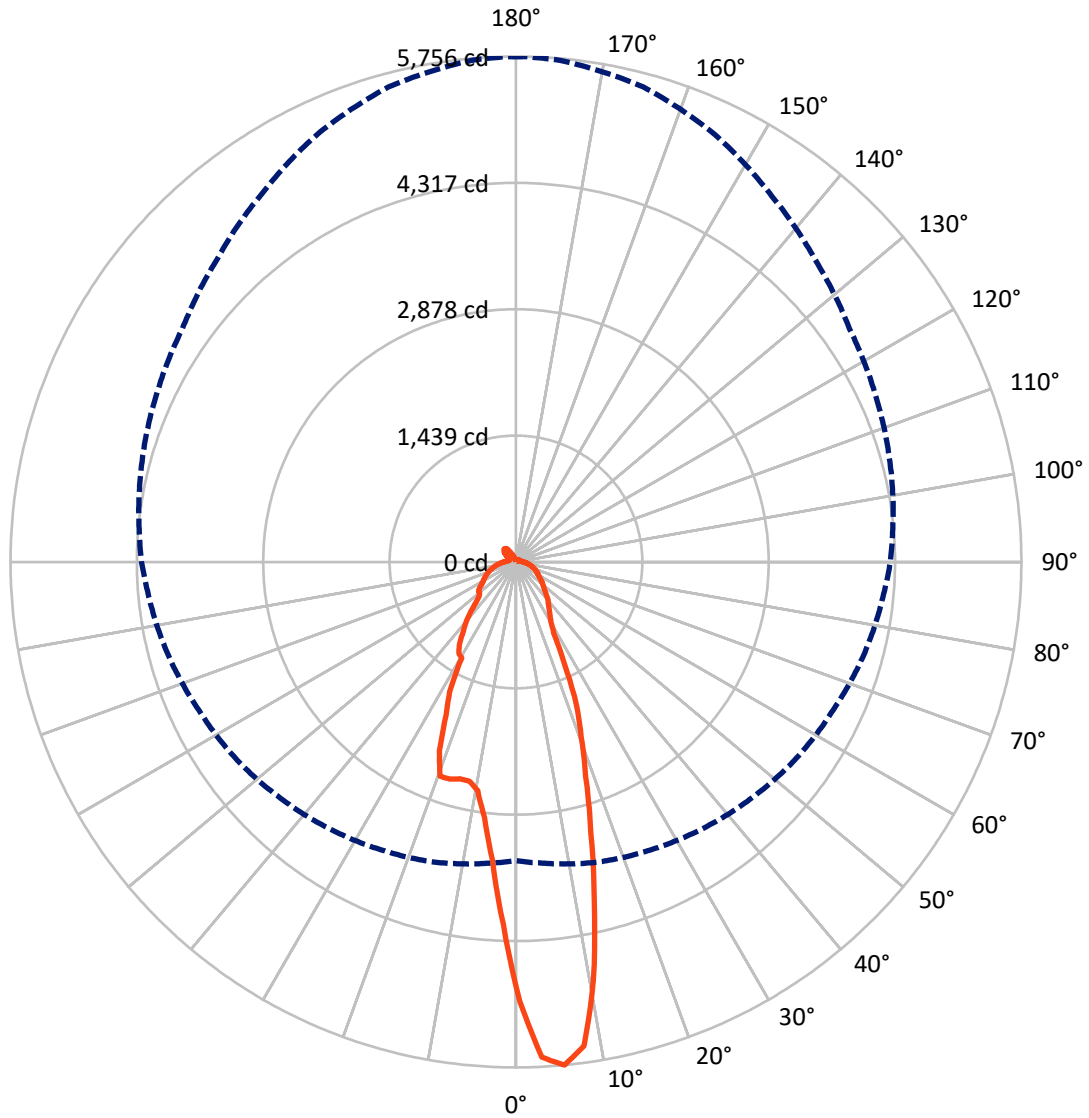
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.7 fc
 Type I - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 179-Deg Lateral - - - Horizontal Cone Through 5-Deg Vertical

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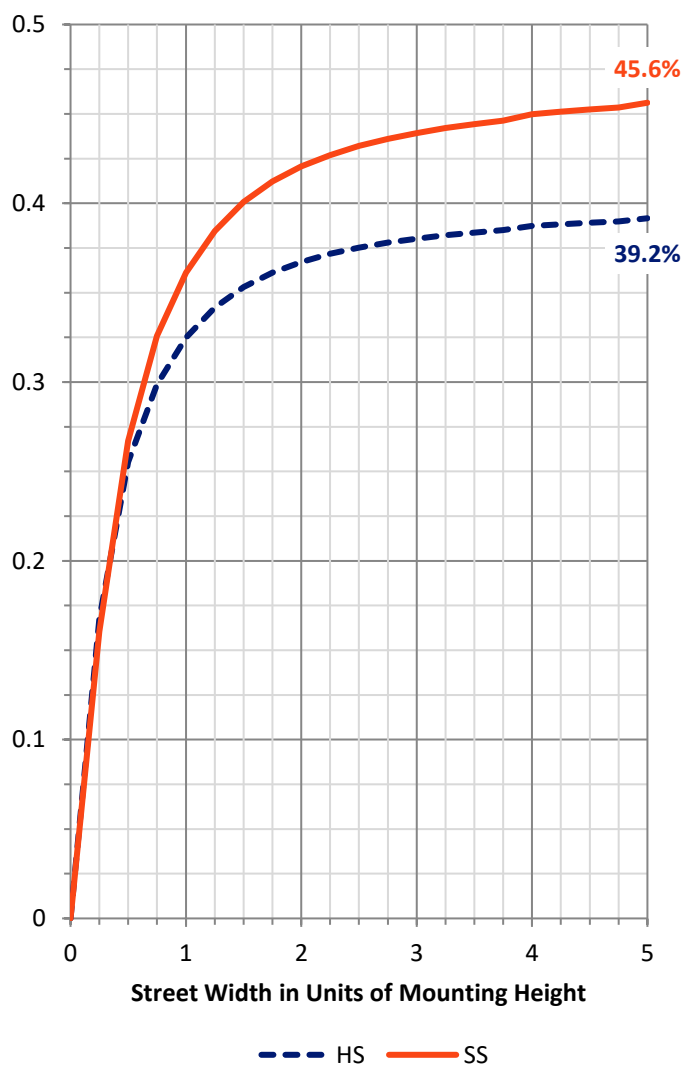
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2318.7	281.9	2600.6
	% Fixture	40.2	4.9	45.1
Street Side	Lumens	2691.3	470.1	3161.4
	% Fixture	46.7	8.2	54.9
Total	Lumens	5010.0	752.0	5762.0
	% Fixture	86.9	13.1	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	390.9	6.8
10°-20°	834.0	14.5
20°-30°	906.0	15.7
30°-40°	670.6	11.6
40°-50°	561.6	9.7
50°-60°	564.6	9.8
60°-70°	480.7	8.3
70°-80°	359.1	6.2
80°-90°	242.4	4.2
90°-100°	144.9	2.5
100°-110°	83.7	1.5
110°-120°	77.1	1.3
120°-130°	111.4	1.9
130°-140°	152.5	2.6
140°-150°	125.7	2.2
150°-160°	50.6	0.9
160°-170°	6.2	0.1
170°-180°	0.0	0.0
0°-90°	5010.0	86.9
0°-180°	5762.0	100.0

Coefficient of Utilization



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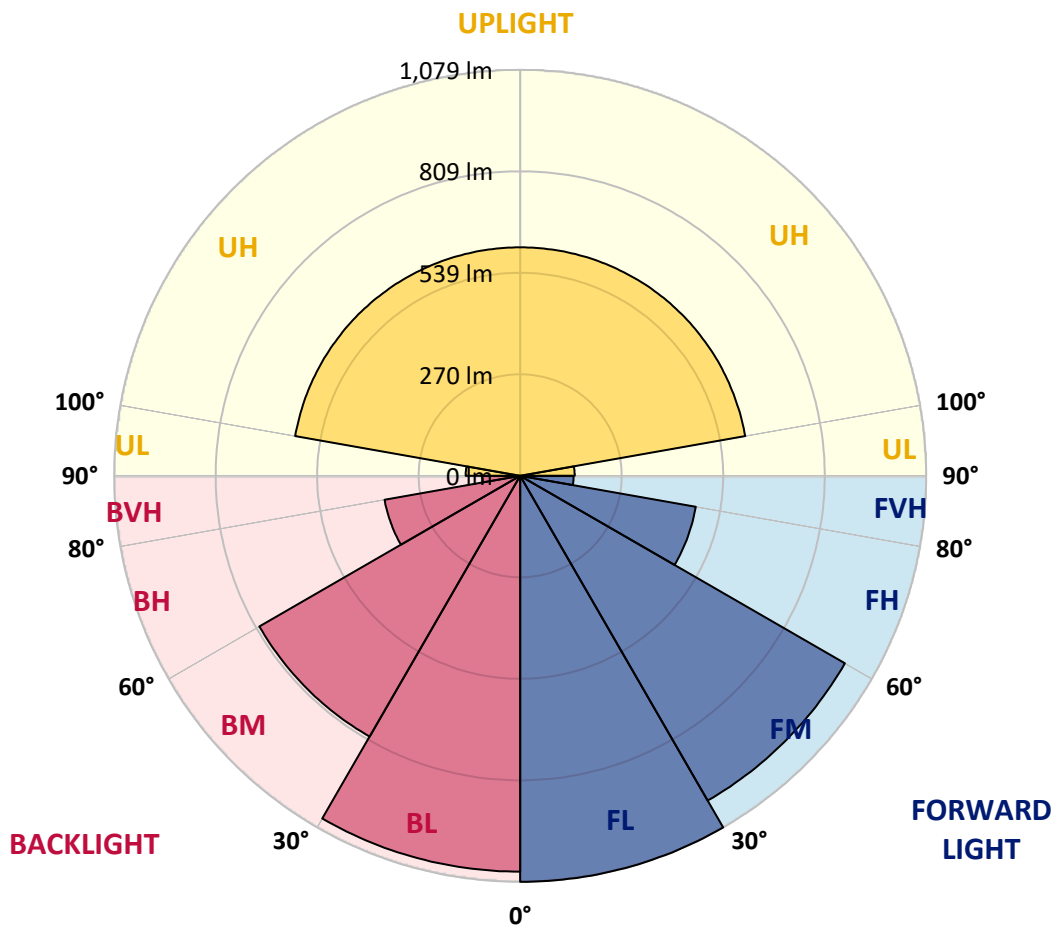
CATALOG NUMBER: CRTK2-C018-D-U-T2-7050-RMARROA5

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1079.0	18.7			
FM (30°-60°)	996.5	17.3			
FH (60°-80°)	473.9	8.2			G0/660
FVH (80°-90°)	141.9	2.5			G2/225
BL (0°-30°)	1052.0	18.3	B3/2500		
BM (30°-60°)	800.4	13.9	B1/1000		
BH (60°-80°)	365.9	6.3	B1/500		G1/500
BVH (80°-90°)	100.5	1.7			G2/225
UL (90°-100°)	144.9	2.5		U3/500	
UH (100°-180°)	607.1	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°	5000.0	5000.0	5000.0	5000.0	5000.0	5000.0	5000.0	5000.0	5000.0	5000.0	5000.0
2.5°	4122.0	4145.1	4195.9	4221.3	4246.8	4279.1	4327.6	4364.6	4450.1	4528.6	4561.0
5°	3401.1	3442.7	3539.7	3618.3	3706.1	3798.5	3897.9	3985.7	4098.9	4202.9	4262.9
7.5°	2922.8	2957.5	3073.0	3225.5	3380.3	3509.7	3611.4	3678.4	3729.2	3770.8	3814.7
10°	2631.7	2661.7	2777.3	2913.6	3045.3	3165.4	3250.9	3315.6	3334.1	3375.7	3396.5
12.5°	2548.5	2562.4	2643.2	2738.0	2818.9	2936.7	3038.4	3107.7	3137.7	3174.7	3186.2
15°	2550.8	2550.8	2597.0	2657.1	2731.1	2821.2	2934.4	3017.6	3061.5	3082.3	3079.9
17.5°	2585.5	2583.2	2604.0	2652.5	2714.9	2805.0	2920.5	3006.0	3056.8	3063.8	3056.8
20°	2585.5	2587.8	2594.7	2650.2	2710.3	2791.1	2909.0	2980.6	3019.9	2999.1	2976.0
22.5°	2322.1	2319.8	2379.8	2497.7	2659.4	2828.1	2934.4	3022.2	3031.4	2955.2	2892.8
25°	1917.7	1901.6	1936.2	1989.4	2098.0	2294.4	2516.2	2848.9	3047.6	3003.7	2909.0
27.5°	1663.6	1642.8	1672.8	1649.7	1638.2	1624.3	1610.4	1571.2	1596.6	1619.7	1721.3
30°	1254.6	1259.2	1266.2	1280.0	1307.8	1363.2	1421.0	1455.6	1485.7	1545.7	1538.8
32.5°	1226.9	1224.6	1226.9	1240.8	1254.6	1289.3	1323.9	1342.4	1365.5	1423.3	1409.4
35°	1134.5	1129.9	1146.0	1153.0	1150.6	1159.9	1194.5	1215.3	1236.1	1273.1	1259.2
37.5°	998.2	1002.8	1037.4	1055.9	1062.8	1083.6	1111.4	1129.9	1155.3	1183.0	1176.1
40°	896.5	894.2	931.1	956.6	972.7	1005.1	1046.7	1074.4	1116.0	1139.1	1122.9
42.5°	771.7	781.0	808.7	834.1	838.7	854.9	891.9	924.2	975.0	1009.7	1000.5
45°	649.3	656.2	679.3	700.1	716.3	737.1	764.8	792.5	834.1	861.8	859.5
47.5°	573.0	579.9	598.4	623.8	646.9	677.0	704.7	732.4	771.7	792.5	785.6
50°	543.0	547.6	568.4	596.1	630.8	667.7	704.7	734.7	771.7	785.6	774.0
52.5°	540.7	540.7	566.1	607.7	656.2	707.0	755.5	797.1	831.8	831.8	808.7
55°	508.3	512.9	545.3	600.7	674.7	757.9	843.3	921.9	968.1	958.9	915.0
57.5°	462.1	464.4	499.1	552.2	630.8	732.4	848.0	947.3	1002.8	1014.3	968.1
60°	434.4	436.7	459.8	510.6	577.6	658.5	764.8	843.3	898.8	933.5	896.5
62.5°	411.3	411.3	434.4	469.0	524.5	584.6	644.6	697.8	741.7	767.1	746.3
65°	385.9	385.9	402.0	434.4	478.3	536.0	582.3	621.5	660.8	679.3	660.8
67.5°	360.4	360.4	376.6	406.7	445.9	494.5	540.7	577.6	616.9	630.8	616.9
70°	335.0	335.0	351.2	376.6	413.6	459.8	494.5	533.7	570.7	579.9	568.4
72.5°	309.6	309.6	325.8	348.9	381.2	425.1	457.5	487.5	522.2	529.1	517.6
75°	286.5	286.5	298.1	321.2	351.2	390.5	422.8	450.6	478.3	478.3	469.0
77.5°	261.1	263.4	272.6	293.4	321.2	358.1	388.2	413.6	436.7	436.7	425.1
80°	235.7	238.0	247.2	265.7	291.1	325.8	353.5	376.6	397.4	397.4	385.9
82.5°	210.3	212.6	221.8	238.0	261.1	293.4	321.2	344.3	362.8	360.4	348.9
85°	187.2	189.5	196.4	210.3	231.1	263.4	288.8	309.6	325.8	323.5	314.2
87.5°	164.0	166.4	173.3	184.8	203.3	233.4	258.8	277.3	291.1	288.8	279.6
90°	143.3	143.3	150.2	161.7	177.9	203.3	226.4	242.6	256.5	251.8	242.6
92.5°	124.8	127.1	131.7	140.9	154.8	177.9	198.7	212.6	226.4	224.1	214.9
95°	110.9	110.9	115.5	122.5	134.0	152.5	173.3	184.8	194.1	194.1	187.2
97.5°	97.0	99.4	101.7	106.3	115.5	129.4	145.6	157.1	164.0	164.0	159.4
100°	87.8	90.1	90.1	94.7	99.4	108.6	120.1	129.4	136.3	136.3	134.0
102.5°	83.2	83.2	83.2	85.5	87.8	92.4	99.4	104.0	108.6	110.9	108.6
105°	78.6	78.6	78.6	80.9	80.9	85.5	87.8	92.4	94.7	94.7	92.4
107.5°	76.2	76.2	78.6	78.6	78.6	80.9	85.5	85.5	87.8	85.5	85.5
110°	78.6	78.6	78.6	78.6	78.6	80.9	83.2	83.2	83.2	83.2	80.9



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	80.9	80.9	80.9	80.9	83.2	83.2	83.2	85.5	85.5	83.2	83.2
115°	87.8	87.8	87.8	87.8	87.8	90.1	90.1	90.1	90.1	87.8	85.5
117.5°	94.7	94.7	94.7	97.0	97.0	99.4	97.0	99.4	97.0	94.7	94.7
120°	106.3	106.3	108.6	110.9	113.2	113.2	110.9	113.2	113.2	108.6	106.3
122.5°	120.1	120.1	122.5	129.4	131.7	134.0	131.7	131.7	131.7	127.1	124.8
125°	134.0	136.3	140.9	150.2	157.1	161.7	157.1	159.4	159.4	152.5	150.2
127.5°	150.2	152.5	161.7	175.6	187.2	191.8	189.5	191.8	194.1	182.5	177.9
130°	166.4	166.4	180.2	201.0	217.2	224.1	226.4	228.7	231.1	219.5	210.3
132.5°	180.2	180.2	198.7	224.1	244.9	256.5	261.1	265.7	270.3	254.2	242.6
135°	189.5	191.8	214.9	244.9	270.3	286.5	293.4	298.1	305.0	286.5	272.6
137.5°	196.4	201.0	224.1	256.5	284.2	307.3	321.2	328.1	332.7	314.2	295.7
140°	198.7	201.0	226.4	258.8	286.5	311.9	332.7	344.3	346.6	328.1	309.6
142.5°	191.8	196.4	219.5	251.8	279.6	307.3	330.4	342.0	344.3	328.1	309.6
145°	182.5	184.8	205.6	235.7	263.4	293.4	318.9	330.4	330.4	316.5	298.1
147.5°	166.4	168.7	187.2	212.6	240.3	270.3	295.7	307.3	309.6	295.7	279.6
150°	143.3	145.6	159.4	180.2	207.9	238.0	261.1	275.0	275.0	261.1	249.5
152.5°	115.5	117.8	129.4	145.6	168.7	196.4	217.2	231.1	231.1	221.8	207.9
155°	90.1	90.1	99.4	113.2	129.4	150.2	166.4	177.9	180.2	171.0	161.7
157.5°	64.7	64.7	71.6	83.2	97.0	113.2	124.8	134.0	134.0	127.1	122.5
160°	43.9	43.9	48.5	55.5	64.7	76.2	85.5	94.7	94.7	90.1	85.5
162.5°	23.1	23.1	27.7	32.3	39.3	48.5	53.1	60.1	60.1	57.8	55.5
165°	6.9	6.9	9.2	11.6	16.2	20.8	23.1	27.7	30.0	27.7	25.4
167.5°	0.0	0.0	2.3	2.3	2.3	2.3	4.6	6.9	6.9	6.9	6.9
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°	5000.0	5000.0	5000.0	5000.0	5000.0	5000.0	5000.0	5000.0	5000.0	5000.0	5000.0
2.5°	4595.7	4741.2	4872.9	5009.2	5177.9	5325.8	5485.2	5598.4	5646.9	5646.9	5665.4
5°	4306.8	4408.5	4514.8	4634.9	4835.9	5083.2	5367.4	5600.7	5734.7	5755.5	5753.2
7.5°	3828.6	3897.9	4006.5	4140.5	4325.3	4547.1	4912.2	5277.3	5519.9	5563.8	5547.6
10°	3408.0	3472.7	3537.4	3588.3	3720.0	3895.6	4163.6	4519.4	4799.0	4842.9	4808.2
12.5°	3193.2	3214.0	3211.6	3241.7	3294.8	3382.6	3518.9	3724.6	3916.4	3957.9	3927.9
15°	3079.9	3049.9	3003.7	2950.6	2945.9	2959.8	2994.5	3077.6	3158.5	3193.2	3170.1
17.5°	3033.7	2962.1	2867.4	2763.4	2694.1	2629.4	2585.5	2557.8	2569.3	2571.6	2553.1
20°	2925.1	2839.6	2687.1	2539.3	2428.4	2315.2	2218.1	2146.5	2134.9	2123.4	2109.5
22.5°	2802.7	2657.1	2474.6	2294.4	2130.3	1980.1	1871.5	1786.0	1753.7	1765.2	1758.3
25°	2777.3	2534.7	2312.8	2021.7	1813.8	1645.1	1441.8	1303.1	1240.8	1275.4	1252.3
27.5°	1665.9	1672.8	1548.1	1372.5	1222.3	1122.9	1032.8	958.9	917.3	917.3	921.9
30°	1508.8	1441.8	1358.6	1250.0	1118.3	1018.9	919.6	838.7	794.8	783.3	787.9
32.5°	1379.4	1333.2	1254.6	1150.6	1030.5	928.8	824.9	750.9	709.3	707.0	704.7
35°	1240.8	1192.2	1127.5	1037.4	933.5	838.7	748.6	683.9	646.9	649.3	649.3
37.5°	1146.0	1102.1	1044.4	958.9	864.1	769.4	688.5	628.5	598.4	598.4	596.1
40°	1097.5	1046.7	984.3	905.7	817.9	718.6	642.3	584.6	559.1	559.1	556.8
42.5°	991.2	947.3	905.7	824.9	737.1	656.2	584.6	533.7	508.3	508.3	508.3
45°	841.0	815.6	783.3	727.8	656.2	589.2	529.1	480.6	459.8	457.5	457.5
47.5°	776.3	748.6	709.3	658.5	600.7	538.4	480.6	445.9	425.1	425.1	425.1
50°	757.9	725.5	672.4	612.3	552.2	496.8	445.9	413.6	395.1	395.1	397.4
52.5°	783.3	730.1	658.5	584.6	522.2	459.8	415.9	383.5	369.7	369.7	367.4
55°	871.1	771.7	667.7	577.6	499.1	432.1	385.9	351.2	335.0	335.0	335.0
57.5°	919.6	801.8	674.7	568.4	478.3	411.3	362.8	325.8	309.6	309.6	309.6
60°	864.1	767.1	646.9	549.9	462.1	392.8	342.0	307.3	291.1	288.8	286.5
62.5°	723.2	663.1	577.6	496.8	427.4	367.4	325.8	291.1	275.0	275.0	272.6
65°	644.6	593.8	519.9	450.6	392.8	342.0	302.7	275.0	258.8	256.5	256.5
67.5°	600.7	554.5	480.6	415.9	362.8	316.5	279.6	254.2	242.6	238.0	238.0
70°	552.2	501.4	436.7	378.9	330.4	288.8	258.8	233.4	221.8	219.5	217.2
72.5°	503.7	457.5	397.4	342.0	298.1	263.4	235.7	212.6	201.0	198.7	198.7
75°	452.9	409.0	351.2	305.0	268.0	235.7	210.3	191.8	182.5	180.2	177.9
77.5°	411.3	372.0	316.5	272.6	238.0	212.6	189.5	173.3	164.0	164.0	161.7
80°	372.0	335.0	281.9	242.6	212.6	187.2	168.7	154.8	147.9	145.6	145.6
82.5°	335.0	298.1	249.5	214.9	187.2	166.4	147.9	136.3	129.4	129.4	129.4
85°	300.4	265.7	221.8	189.5	164.0	145.6	129.4	117.8	113.2	110.9	113.2
87.5°	265.7	233.4	196.4	166.4	143.3	124.8	110.9	101.7	97.0	97.0	97.0
90°	233.4	203.3	168.7	140.9	122.5	106.3	94.7	85.5	83.2	80.9	80.9
92.5°	205.6	180.2	150.2	127.1	108.6	97.0	85.5	78.6	73.9	73.9	73.9
95°	180.2	157.1	134.0	113.2	99.4	87.8	78.6	71.6	69.3	69.3	69.3
97.5°	154.8	136.3	117.8	101.7	90.1	80.9	71.6	67.0	64.7	62.4	64.7
100°	129.4	115.5	101.7	90.1	80.9	71.6	64.7	60.1	57.8	57.8	57.8
102.5°	104.0	97.0	85.5	76.2	69.3	64.7	57.8	53.1	50.8	50.8	50.8
105°	90.1	83.2	76.2	69.3	64.7	57.8	53.1	48.5	46.2	46.2	46.2
107.5°	83.2	78.6	71.6	67.0	60.1	55.5	50.8	43.9	41.6	41.6	41.6
110°	80.9	76.2	71.6	64.7	60.1	55.5	50.8	41.6	39.3	39.3	39.3



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CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	179°	180°
112.5°	80.9	76.2	71.6	67.0	62.4	55.5	50.8	41.6	37.0	37.0	37.0
115°	85.5	80.9	76.2	71.6	64.7	57.8	53.1	41.6	37.0	37.0	37.0
117.5°	92.4	87.8	83.2	76.2	69.3	62.4	53.1	41.6	39.3	39.3	39.3
120°	104.0	99.4	92.4	85.5	76.2	67.0	57.8	43.9	37.0	39.3	39.3
122.5°	120.1	115.5	106.3	94.7	85.5	73.9	60.1	46.2	34.7	39.3	39.3
125°	143.3	136.3	122.5	108.6	94.7	80.9	64.7	48.5	37.0	41.6	41.6
127.5°	168.7	159.4	140.9	122.5	106.3	87.8	69.3	50.8	39.3	41.6	41.6
130°	198.7	182.5	159.4	136.3	115.5	94.7	73.9	53.1	41.6	41.6	41.6
132.5°	228.7	205.6	175.6	150.2	124.8	99.4	76.2	53.1	41.6	41.6	41.6
135°	254.2	226.4	191.8	159.4	129.4	101.7	78.6	53.1	41.6	41.6	41.6
137.5°	277.3	240.3	201.0	164.0	131.7	101.7	76.2	53.1	39.3	39.3	39.3
140°	288.8	247.2	205.6	164.0	129.4	99.4	71.6	48.5	37.0	37.0	37.0
142.5°	288.8	244.9	201.0	159.4	124.8	94.7	67.0	46.2	32.3	34.7	34.7
145°	279.6	235.7	191.8	150.2	115.5	85.5	60.1	39.3	30.0	30.0	30.0
147.5°	258.8	217.2	175.6	136.3	104.0	73.9	53.1	34.7	25.4	23.1	25.4
150°	231.1	191.8	152.5	117.8	87.8	62.4	43.9	27.7	20.8	20.8	20.8
152.5°	194.1	159.4	127.1	97.0	69.3	48.5	32.3	20.8	16.2	16.2	16.2
155°	152.5	124.8	99.4	73.9	53.1	37.0	25.4	16.2	11.6	11.6	11.6
157.5°	115.5	94.7	73.9	53.1	39.3	27.7	18.5	11.6	9.2	9.2	9.2
160°	80.9	64.7	50.8	37.0	25.4	18.5	11.6	6.9	4.6	4.6	4.6
162.5°	50.8	41.6	32.3	20.8	16.2	11.6	6.9	4.6	2.3	2.3	2.3
165°	23.1	20.8	13.9	9.2	6.9	4.6	2.3	2.3	0.0	0.0	0.0
167.5°	6.9	4.6	4.6	2.3	2.3	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)