

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: P691690

Luminaire Tested: **CRTK2-C018-D-U-T3-7030-RMARROA5**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691690
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-C018-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: 5586 lumens
Efficiency: N/A
Efficacy: 110.8 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): 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

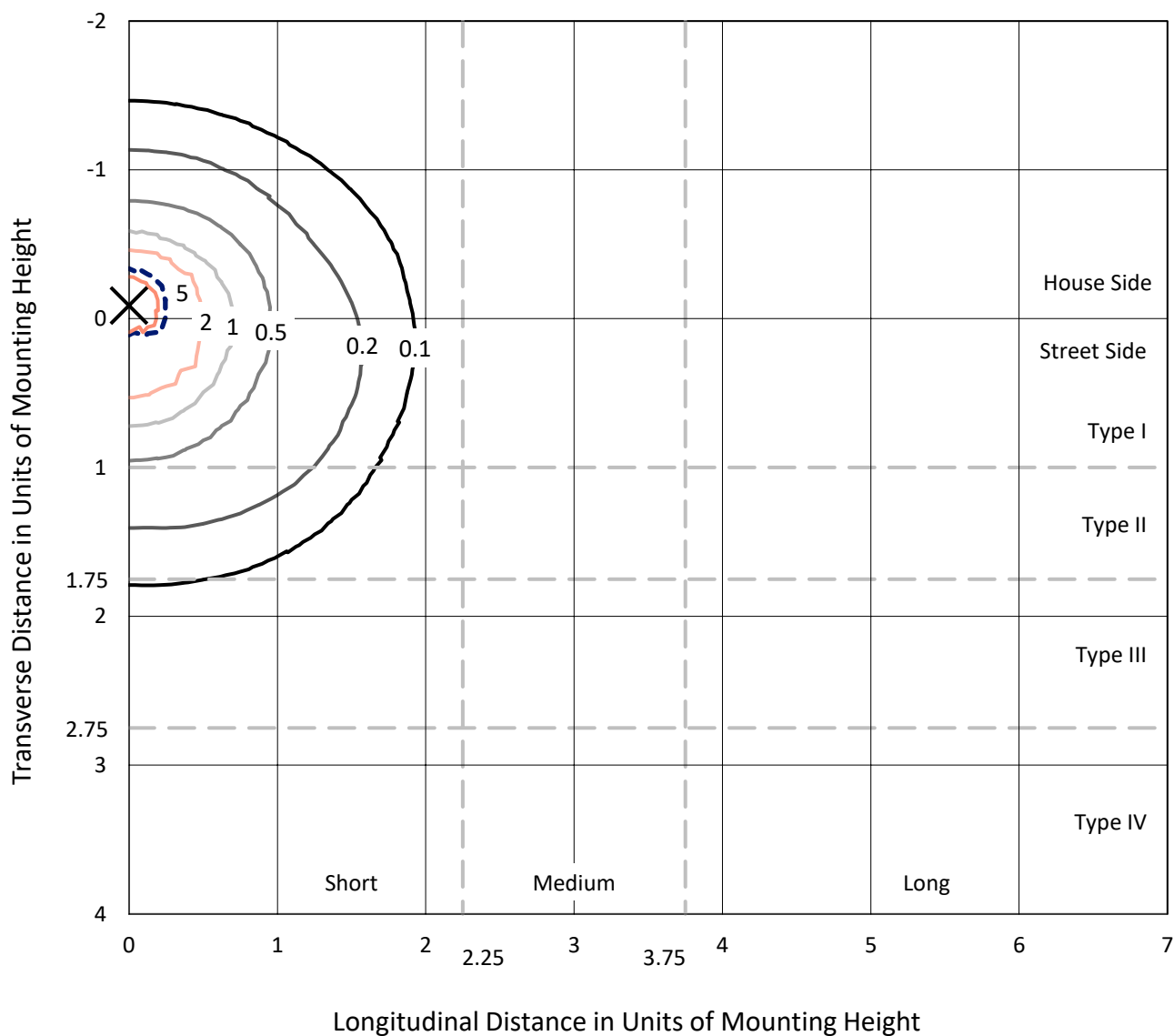


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

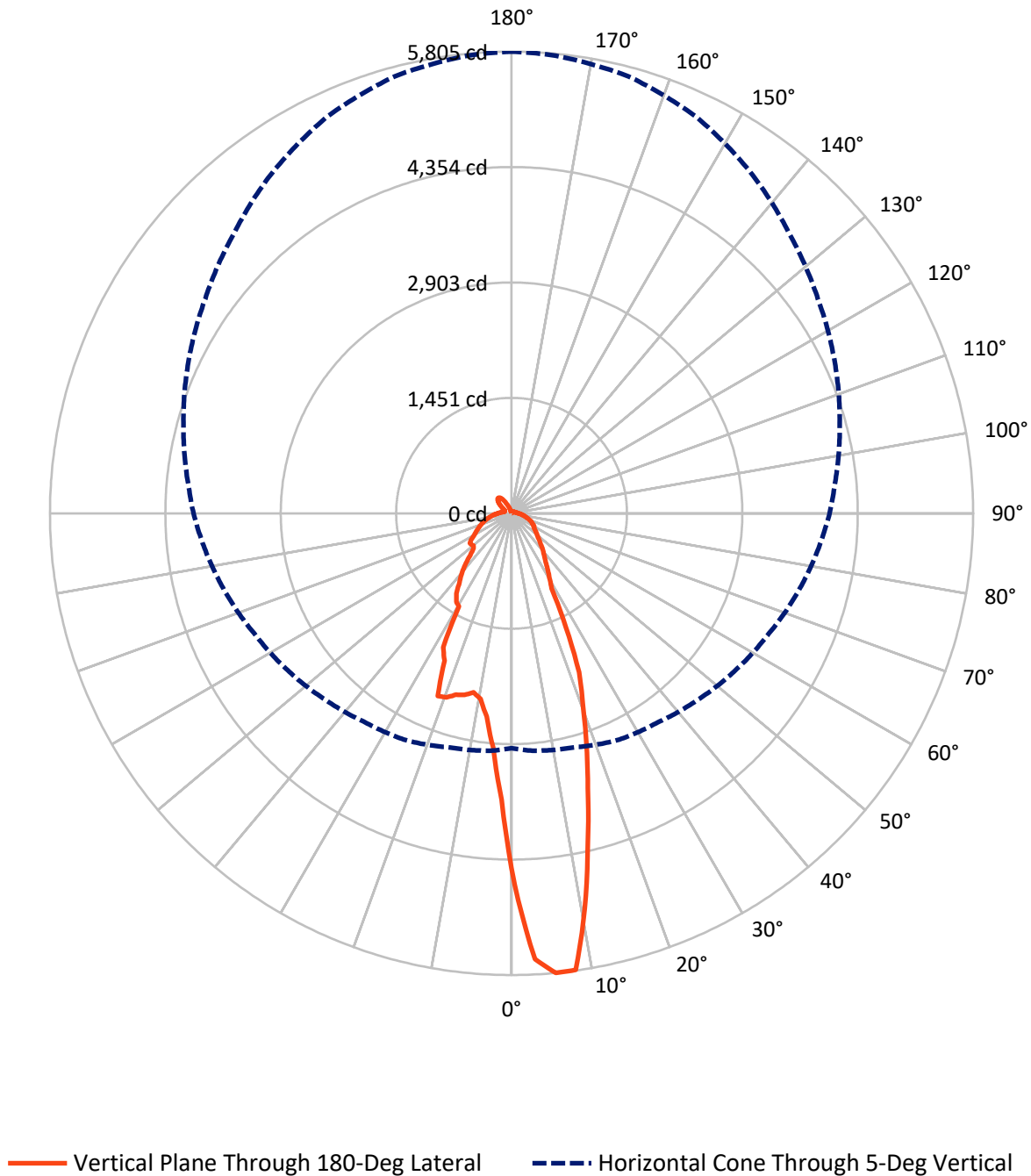


Based on 25 foot mounting height. Maximum calculated value = 9.1 fc

Type I - Short - N/A

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Luminous Intensity Polar Plot



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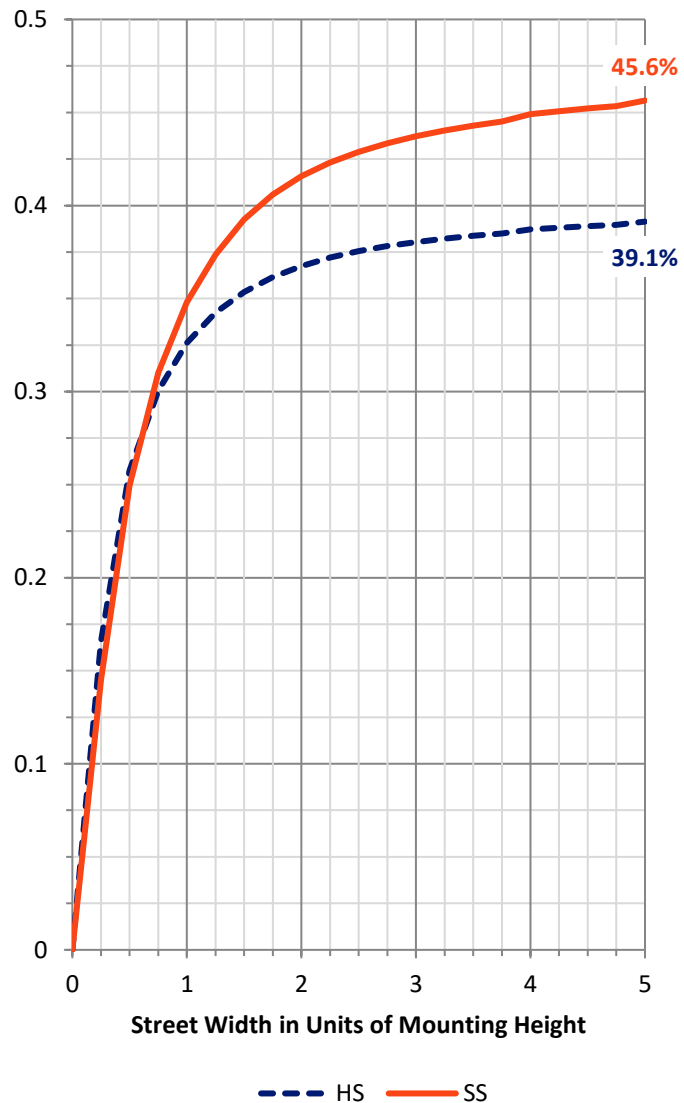
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2245.1	240.7	2485.8
	% Fixture	40.2	4.3	44.5
Street Side	Lumens	2620.0	480.2	3100.2
	% Fixture	46.9	8.6	55.5
Total	Lumens	4865.1	720.9	5586.0
	% Fixture	87.1	12.9	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	375.5	6.7
10°-20°	805.3	14.4
20°-30°	886.7	15.9
30°-40°	651.6	11.7
40°-50°	545.9	9.8
50°-60°	547.7	9.8
60°-70°	469.1	8.4
70°-80°	349.5	6.3
80°-90°	233.9	4.2
90°-100°	138.9	2.5
100°-110°	80.7	1.4
110°-120°	75.0	1.3
120°-130°	108.8	1.9
130°-140°	146.4	2.6
140°-150°	118.6	2.1
150°-160°	46.8	0.8
160°-170°	5.7	0.1
170°-180°	0.0	0.0
0°-90°	4865.1	87.1
0°-180°	5586.0	100.0

Coefficient of Utilization



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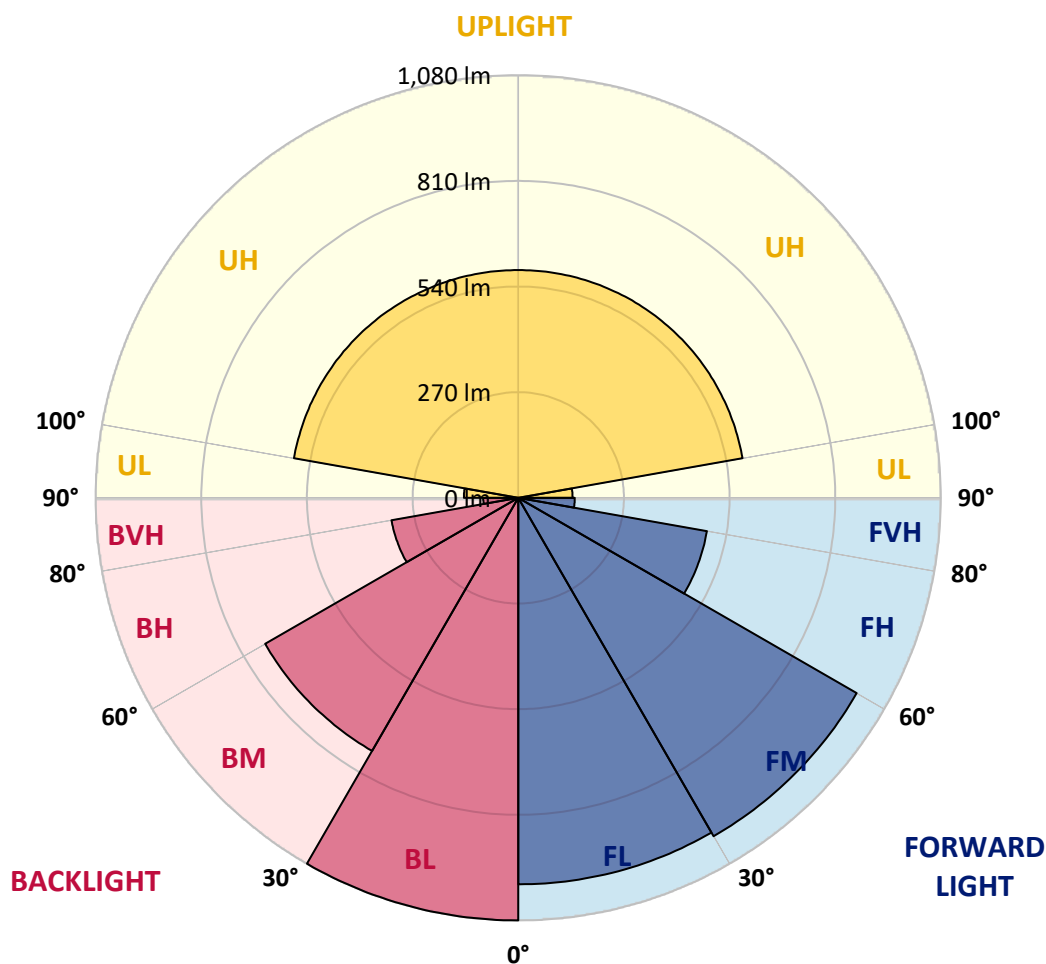
CATALOG NUMBER: CRTK2-C018-D-U-T3-7030-RMARROA5

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	987.6	17.7			
FM	(30°-60°)	998.5	17.9			
FH	(60°-80°)	489.5	8.8			G0/660
FVH	(80°-90°)	144.4	2.6			G2/225
BL	(0°-30°)	1079.8	19.3	B3/2500		
BM	(30°-60°)	746.7	13.4	B1/1000		
BH	(60°-80°)	329.1	5.9	B1/500		G1/500
BVH	(80°-90°)	89.5	1.6			G1/100
UL	(90°-100°)	138.9	2.5		U3/500	
UH	(100°-180°)	582.0	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°	4676.0	4676.0	4676.0	4676.0	4676.0	4676.0	4676.0	4676.0	4676.0	4676.0	4676.0
2.5°	3602.4	3655.6	3682.3	3762.1	3788.7	3839.7	3917.4	3995.0	4125.9	4223.5	4298.9
5°	2952.5	2996.8	3045.6	3147.7	3207.6	3314.0	3438.2	3571.3	3739.9	3910.7	3999.5
7.5°	2573.1	2584.2	2655.2	2779.4	2888.1	3001.3	3136.6	3251.9	3367.3	3507.0	3595.7
10°	2364.6	2380.2	2426.7	2522.1	2615.3	2708.5	2814.9	2903.7	3021.2	3138.8	3192.0
12.5°	2302.5	2309.2	2349.1	2404.6	2464.4	2524.3	2606.4	2686.3	2790.5	2892.6	2928.1
15°	2358.0	2358.0	2364.6	2386.8	2417.9	2464.4	2526.6	2595.3	2690.7	2766.1	2803.8
17.5°	2384.6	2386.8	2404.6	2409.0	2437.8	2457.8	2513.2	2566.5	2657.4	2719.5	2739.5
20°	2455.6	2455.6	2457.8	2468.9	2473.3	2484.4	2508.8	2537.6	2613.1	2646.3	2641.9
22.5°	2477.8	2468.9	2504.4	2568.7	2566.5	2568.7	2546.5	2553.2	2595.3	2582.0	2551.0
25°	2034.1	2023.0	2062.9	2102.9	2160.6	2233.8	2415.6	2557.6	2610.9	2568.7	2499.9
27.5°	1892.1	1843.3	1832.3	1736.9	1650.4	1508.4	1495.1	1406.4	1397.5	1452.9	1504.0
30°	1344.2	1346.5	1344.2	1335.4	1328.7	1335.4	1342.0	1326.5	1330.9	1366.4	1350.9
32.5°	1311.0	1311.0	1302.1	1297.7	1277.7	1271.0	1260.0	1231.1	1235.6	1262.2	1255.5
35°	1222.2	1217.8	1220.0	1208.9	1173.4	1144.6	1140.2	1115.8	1115.8	1131.3	1124.6
37.5°	1089.1	1082.5	1109.1	1106.9	1078.1	1067.0	1055.9	1040.3	1040.3	1053.7	1040.3
40°	984.9	980.5	1009.3	1018.2	1000.4	1004.9	1007.1	993.8	1007.1	1009.3	991.5
42.5°	874.0	871.8	896.2	893.9	878.4	876.2	874.0	865.1	887.3	905.0	891.7
45°	743.1	736.5	754.2	760.9	756.4	749.8	747.5	747.5	760.9	769.7	756.4
47.5°	656.6	658.8	672.1	687.6	692.1	696.5	694.3	689.9	698.7	701.0	689.9
50°	627.8	630.0	649.9	667.7	681.0	689.9	689.9	683.2	689.9	683.2	667.7
52.5°	641.1	641.1	667.7	694.3	716.5	732.0	734.2	725.4	725.4	707.6	683.2
55°	645.5	649.9	685.4	729.8	769.7	811.9	831.8	825.2	831.8	794.1	754.2
57.5°	603.4	614.4	649.9	703.2	756.4	823.0	865.1	869.5	867.3	834.1	785.3
60°	547.9	556.8	581.2	627.8	678.8	732.0	774.2	783.0	791.9	776.4	732.0
62.5°	510.2	514.6	534.6	567.9	603.4	632.2	647.7	645.5	654.4	649.9	616.7
65°	476.9	479.1	501.3	527.9	550.1	579.0	583.4	583.4	590.0	581.2	554.6
67.5°	441.4	441.4	459.2	483.6	510.2	534.6	541.2	543.5	552.3	543.5	523.5
70°	410.4	410.4	425.9	445.9	465.8	490.2	496.9	499.1	510.2	499.1	479.1
72.5°	381.5	381.5	394.8	412.6	430.3	450.3	457.0	459.2	468.0	457.0	441.4
75°	350.5	352.7	363.8	379.3	394.8	412.6	421.5	421.5	428.1	414.8	401.5
77.5°	319.4	321.6	332.7	346.0	359.4	377.1	381.5	383.8	390.4	377.1	363.8
80°	288.4	292.8	301.7	312.8	326.1	339.4	348.3	348.3	352.7	339.4	330.5
82.5°	259.5	264.0	270.6	279.5	292.8	306.1	315.0	315.0	317.2	306.1	295.0
85°	230.7	235.1	241.8	248.4	259.5	272.8	281.7	281.7	283.9	272.8	264.0
87.5°	204.1	208.5	212.9	219.6	228.5	241.8	250.7	250.7	250.7	241.8	232.9
90°	177.5	179.7	184.1	190.8	199.6	210.7	217.4	219.6	219.6	208.5	204.1
92.5°	157.5	157.5	161.9	166.4	175.2	184.1	190.8	193.0	193.0	186.3	179.7
95°	135.3	137.5	139.7	144.2	150.8	157.5	166.4	166.4	166.4	161.9	157.5
97.5°	119.8	117.6	119.8	122.0	128.7	133.1	139.7	142.0	142.0	137.5	135.3
100°	102.0	104.3	104.3	106.5	108.7	110.9	115.3	117.6	117.6	115.3	115.3
102.5°	95.4	93.2	93.2	93.2	93.2	93.2	95.4	95.4	97.6	95.4	93.2
105°	88.7	88.7	88.7	88.7	86.5	86.5	86.5	86.5	84.3	82.1	82.1
107.5°	86.5	86.5	86.5	86.5	84.3	84.3	82.1	82.1	79.9	77.6	75.4
110°	86.5	86.5	86.5	86.5	84.3	82.1	82.1	79.9	77.6	75.4	73.2



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	90.9	90.9	90.9	90.9	86.5	84.3	82.1	82.1	77.6	75.4	73.2
115°	99.8	99.8	97.6	97.6	95.4	90.9	88.7	86.5	84.3	79.9	77.6
117.5°	108.7	108.7	108.7	108.7	106.5	102.0	97.6	95.4	93.2	86.5	84.3
120°	124.2	124.2	124.2	126.4	122.0	117.6	113.1	108.7	106.5	99.8	95.4
122.5°	144.2	142.0	146.4	148.6	146.4	139.7	133.1	128.7	124.2	115.3	110.9
125°	164.1	164.1	168.6	175.2	175.2	168.6	159.7	153.1	148.6	135.3	128.7
127.5°	188.5	188.5	195.2	206.3	208.5	201.9	193.0	184.1	177.5	159.7	153.1
130°	210.7	210.7	224.0	237.4	244.0	237.4	228.5	217.4	208.5	188.5	177.5
132.5°	228.5	230.7	246.2	264.0	272.8	270.6	259.5	250.7	241.8	217.4	204.1
135°	246.2	248.4	266.2	288.4	299.5	299.5	290.6	279.5	268.4	241.8	226.3
137.5°	255.1	257.3	279.5	301.7	315.0	319.4	315.0	303.9	292.8	264.0	244.0
140°	255.1	259.5	281.7	303.9	317.2	323.9	323.9	312.8	301.7	275.1	255.1
142.5°	248.4	252.9	272.8	295.0	308.3	317.2	319.4	310.6	299.5	272.8	252.9
145°	235.1	237.4	257.3	277.3	290.6	301.7	306.1	299.5	286.2	264.0	244.0
147.5°	212.9	212.9	230.7	246.2	264.0	275.1	281.7	277.3	266.2	246.2	228.5
150°	181.9	181.9	195.2	210.7	226.3	239.6	246.2	246.2	235.1	219.6	201.9
152.5°	144.2	146.4	155.3	168.6	184.1	195.2	204.1	204.1	197.4	184.1	168.6
155°	110.9	110.9	117.6	126.4	139.7	150.8	157.5	157.5	153.1	142.0	133.1
157.5°	79.9	79.9	84.3	93.2	102.0	110.9	117.6	117.6	113.1	106.5	99.8
160°	53.2	53.2	55.5	62.1	68.8	75.4	79.9	82.1	79.9	75.4	68.8
162.5°	28.8	28.8	31.1	35.5	39.9	46.6	48.8	51.0	51.0	46.6	44.4
165°	8.9	8.9	8.9	13.3	15.5	20.0	22.2	24.4	24.4	24.4	22.2
167.5°	2.2	2.2	2.2	2.2	2.2	2.2	4.4	6.7	6.7	6.7	6.7
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	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°	4676.0	4676.0	4676.0	4676.0	4676.0	4676.0	4676.0	4676.0	4676.0	4676.0	4676.0
2.5°	4369.9	4534.1	4715.9	4902.3	5093.0	5272.7	5423.6	5543.3	5607.7	5623.2	5614.3
5°	4079.3	4272.3	4485.3	4702.6	4951.1	5237.2	5499.0	5687.5	5785.1	5800.7	5805.1
7.5°	3664.5	3833.1	4041.6	4292.3	4605.0	4911.1	5314.9	5596.6	5754.1	5796.2	5796.2
10°	3227.5	3376.1	3507.0	3726.6	3999.5	4285.6	4629.4	4889.0	5048.7	5099.7	5055.3
12.5°	2981.3	3045.6	3134.4	3296.3	3467.1	3684.5	3981.7	4150.3	4254.6	4285.6	4259.0
15°	2823.8	2857.1	2894.8	2963.5	3083.3	3218.6	3393.9	3498.1	3562.5	3600.2	3586.9
17.5°	2748.4	2748.4	2741.7	2757.3	2788.3	2850.4	2970.2	3007.9	3036.7	3052.3	3043.4
20°	2633.0	2597.5	2568.7	2524.3	2506.6	2504.4	2533.2	2573.1	2570.9	2573.1	2555.4
22.5°	2517.7	2444.5	2373.5	2307.0	2231.5	2193.8	2167.2	2180.5	2169.4	2180.5	2169.4
25°	2462.2	2313.6	2171.6	2009.7	1874.4	1770.1	1701.4	1659.2	1588.2	1614.9	1590.5
27.5°	1528.4	1466.2	1406.4	1286.6	1173.4	1133.5	1100.2	1082.5	1069.2	1075.8	1071.4
30°	1324.3	1273.3	1226.7	1164.6	1078.1	1024.8	984.9	949.4	938.3	940.5	938.3
32.5°	1228.9	1189.0	1131.3	1067.0	989.3	922.8	876.2	842.9	825.2	836.3	827.4
35°	1100.2	1060.3	1011.5	951.6	885.1	825.2	780.8	749.8	729.8	734.2	732.0
37.5°	1015.9	978.2	936.1	871.8	814.1	756.4	712.1	681.0	661.0	665.5	661.0
40°	967.1	925.0	880.6	823.0	765.3	705.4	663.2	627.8	607.8	607.8	607.8
42.5°	867.3	834.1	796.3	736.5	685.4	634.4	592.3	565.6	543.5	545.7	541.2
45°	740.9	716.5	687.6	647.7	605.6	565.6	530.2	510.2	492.4	494.7	492.4
47.5°	676.6	654.4	621.1	590.0	552.3	516.8	485.8	461.4	448.1	450.3	445.9
50°	652.2	625.5	587.8	545.7	510.2	474.7	443.6	425.9	412.6	414.8	412.6
52.5°	661.0	618.9	565.6	514.6	472.5	437.0	412.6	392.6	383.8	386.0	381.5
55°	718.7	645.5	565.6	501.3	448.1	408.2	383.8	361.6	352.7	352.7	352.7
57.5°	738.7	658.8	559.0	485.8	428.1	388.2	359.4	337.2	328.3	328.3	328.3
60°	692.1	623.3	532.4	463.6	410.4	372.7	348.3	332.7	326.1	326.1	326.1
62.5°	592.3	547.9	479.1	423.7	383.8	350.5	326.1	306.1	299.5	297.2	297.2
65°	536.8	494.7	437.0	390.4	354.9	328.3	306.1	290.6	281.7	281.7	281.7
67.5°	501.3	461.4	408.2	363.8	330.5	301.7	281.7	266.2	261.8	259.5	259.5
70°	461.4	423.7	370.4	330.5	299.5	275.1	255.1	241.8	237.4	237.4	235.1
72.5°	421.5	386.0	335.0	297.2	268.4	246.2	228.5	217.4	212.9	210.7	210.7
75°	383.8	348.3	301.7	266.2	239.6	219.6	204.1	193.0	188.5	188.5	188.5
77.5°	348.3	315.0	270.6	237.4	215.2	195.2	181.9	173.0	168.6	168.6	168.6
80°	315.0	281.7	241.8	210.7	188.5	173.0	161.9	153.1	148.6	150.8	148.6
82.5°	279.5	252.9	215.2	186.3	168.6	153.1	142.0	135.3	130.9	133.1	130.9
85°	250.7	224.0	188.5	164.1	146.4	133.1	124.2	117.6	113.1	115.3	113.1
87.5°	221.8	197.4	166.4	144.2	128.7	117.6	106.5	102.0	99.8	99.8	97.6
90°	190.8	168.6	142.0	124.2	108.7	99.8	90.9	86.5	84.3	82.1	82.1
92.5°	168.6	150.8	126.4	110.9	97.6	90.9	82.1	77.6	75.4	75.4	75.4
95°	148.6	133.1	113.1	99.8	90.9	82.1	75.4	73.2	71.0	71.0	68.8
97.5°	128.7	115.3	102.0	90.9	82.1	75.4	68.8	66.5	64.3	64.3	64.3
100°	108.7	99.8	88.7	79.9	73.2	68.8	62.1	59.9	57.7	57.7	57.7
102.5°	90.9	84.3	75.4	68.8	64.3	59.9	55.5	53.2	51.0	51.0	51.0
105°	79.9	73.2	68.8	62.1	57.7	53.2	51.0	46.6	44.4	44.4	44.4
107.5°	73.2	68.8	64.3	59.9	55.5	51.0	46.6	42.1	39.9	39.9	39.9
110°	71.0	66.5	62.1	57.7	53.2	48.8	46.6	39.9	37.7	37.7	37.7



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CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	179°	180°
112.5°	71.0	68.8	64.3	59.9	55.5	51.0	46.6	37.7	35.5	35.5	35.5
115°	75.4	71.0	66.5	62.1	57.7	53.2	48.8	37.7	35.5	35.5	35.5
117.5°	82.1	77.6	71.0	66.5	62.1	55.5	48.8	39.9	35.5	35.5	35.5
120°	93.2	86.5	79.9	73.2	66.5	59.9	51.0	39.9	33.3	35.5	35.5
122.5°	106.5	99.8	88.7	79.9	73.2	64.3	53.2	42.1	33.3	35.5	35.5
125°	124.2	115.3	102.0	90.9	79.9	68.8	55.5	42.1	33.3	35.5	37.7
127.5°	144.2	130.9	115.3	99.8	86.5	73.2	59.9	44.4	33.3	37.7	37.7
130°	166.4	150.8	130.9	110.9	95.4	77.6	62.1	44.4	35.5	35.5	35.5
132.5°	190.8	168.6	142.0	119.8	99.8	79.9	62.1	44.4	35.5	35.5	35.5
135°	208.5	181.9	153.1	126.4	104.3	82.1	64.3	44.4	33.3	33.3	33.3
137.5°	224.0	193.0	161.9	130.9	106.5	82.1	62.1	42.1	33.3	31.1	31.1
140°	232.9	197.4	161.9	130.9	104.3	79.9	57.7	39.9	28.8	28.8	28.8
142.5°	232.9	195.2	159.7	126.4	97.6	75.4	55.5	35.5	26.6	26.6	26.6
145°	224.0	186.3	150.8	119.8	90.9	68.8	48.8	33.3	24.4	24.4	24.4
147.5°	208.5	170.8	137.5	108.7	79.9	59.9	42.1	26.6	20.0	20.0	20.0
150°	186.3	150.8	119.8	93.2	68.8	48.8	35.5	22.2	15.5	15.5	15.5
152.5°	155.3	126.4	97.6	77.6	55.5	39.9	26.6	17.7	13.3	13.3	13.3
155°	122.0	99.8	77.6	59.9	42.1	28.8	20.0	13.3	8.9	8.9	8.9
157.5°	93.2	75.4	57.7	44.4	31.1	22.2	15.5	8.9	6.7	6.7	6.7
160°	64.3	51.0	39.9	31.1	20.0	15.5	11.1	6.7	4.4	4.4	4.4
162.5°	42.1	33.3	24.4	17.7	13.3	8.9	6.7	4.4	2.2	2.2	2.2
165°	20.0	15.5	13.3	8.9	6.7	4.4	2.2	2.2	0.0	0.0	0.0
167.5°	6.7	4.4	4.4	2.2	2.2	2.2	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)