

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: P691622

Luminaire Tested: **CRTK2-C018-5TLD-U-T3-8027-RMARROA5**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691622
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-C018-5TLD-U-T3-8027-RMARROA5
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 2700K LED WITH TYPE III OPTIC AND NEMA REFRACTOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5833 lumens
Efficiency: N/A
Efficacy: 108.6 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): 53.7
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



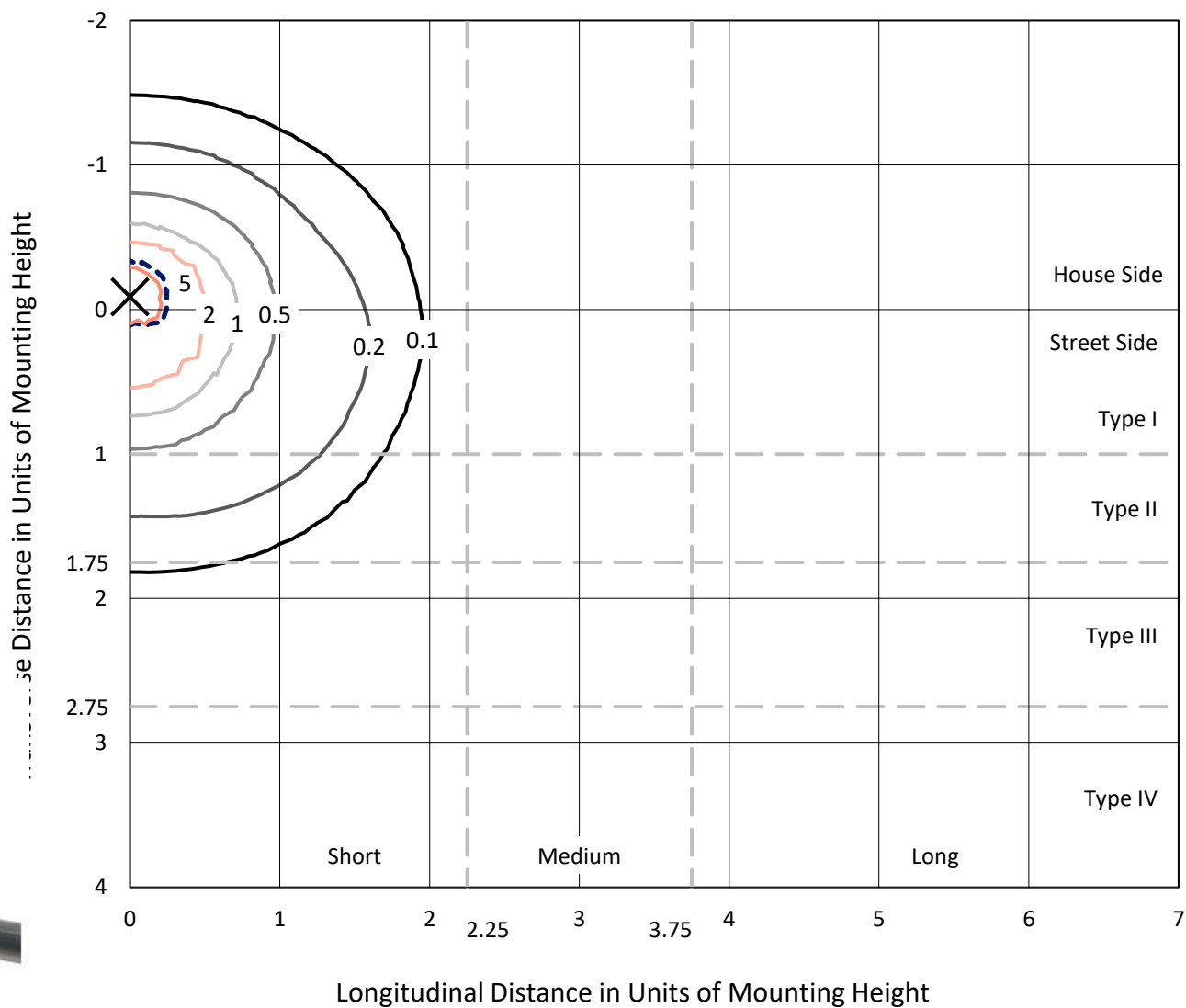
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd



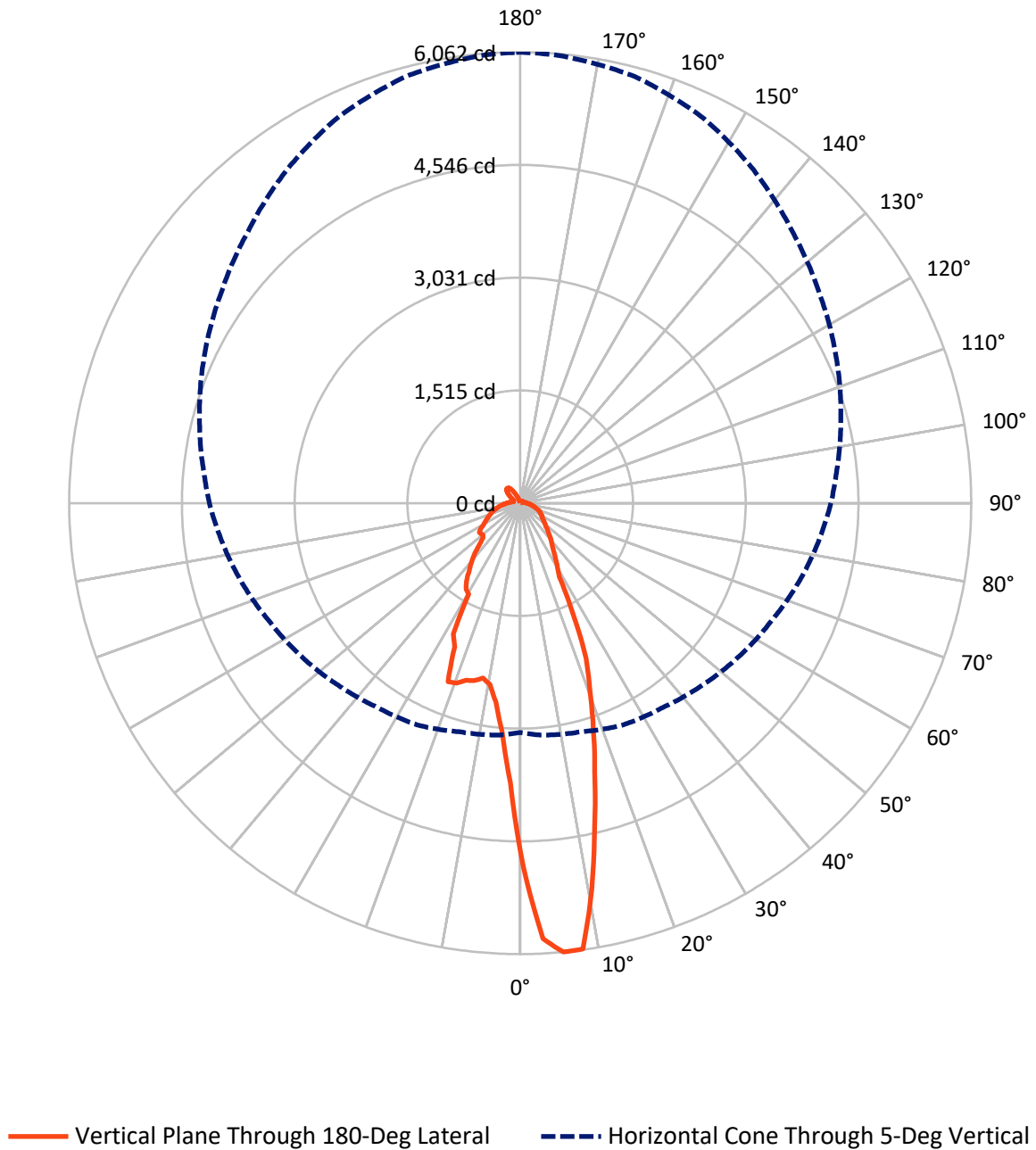
Based on 25 foot mounting height. Maximum calculated value = 9.5 fc

Type I - Short - N/A

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Luminous Intensity Polar Plot



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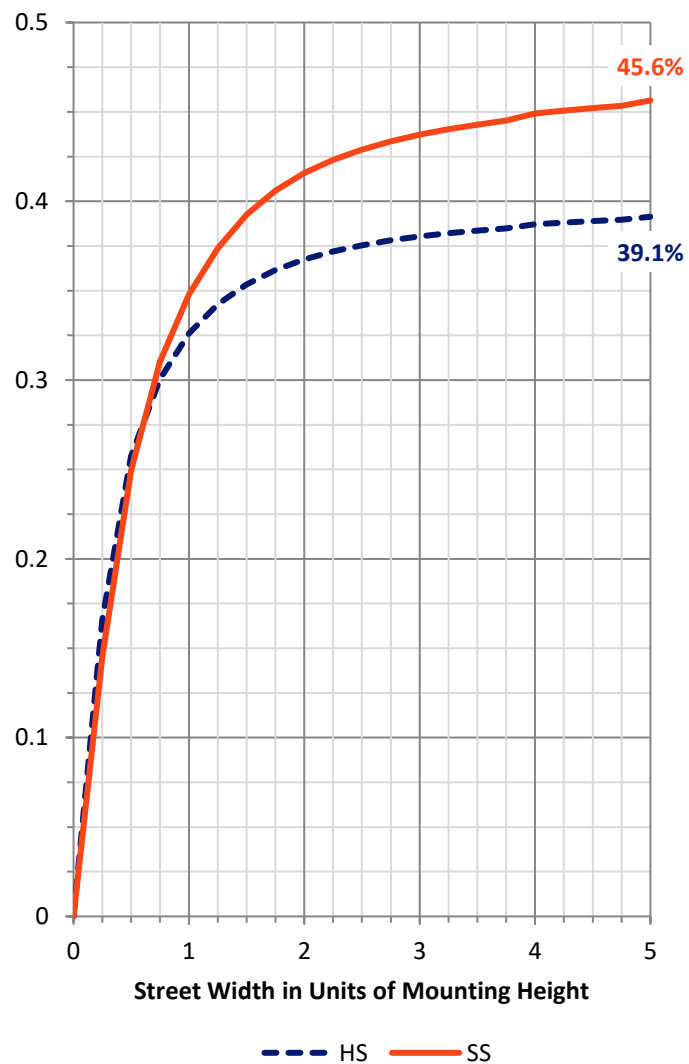
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2344.4	251.4	2595.8
	% Fixture	40.2	4.3	44.5
Street Side	Lumens	2735.9	501.4	3237.2
	% Fixture	46.9	8.6	55.5
Total	Lumens	5080.3	752.7	5833.0
	% Fixture	87.1	12.9	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	392.1	6.7
10°-20°	840.9	14.4
20°-30°	925.9	15.9
30°-40°	680.4	11.7
40°-50°	570.1	9.8
50°-60°	572.0	9.8
60°-70°	489.8	8.4
70°-80°	365.0	6.3
80°-90°	244.2	4.2
90°-100°	145.0	2.5
100°-110°	84.2	1.4
110°-120°	78.3	1.3
120°-130°	113.6	1.9
130°-140°	152.9	2.6
140°-150°	123.8	2.1
150°-160°	48.9	0.8
160°-170°	6.0	0.1
170°-180°	0.0	0.0
0°-90°	5080.3	87.1
0°-180°	5833.0	100.0

Coefficient of Utilization



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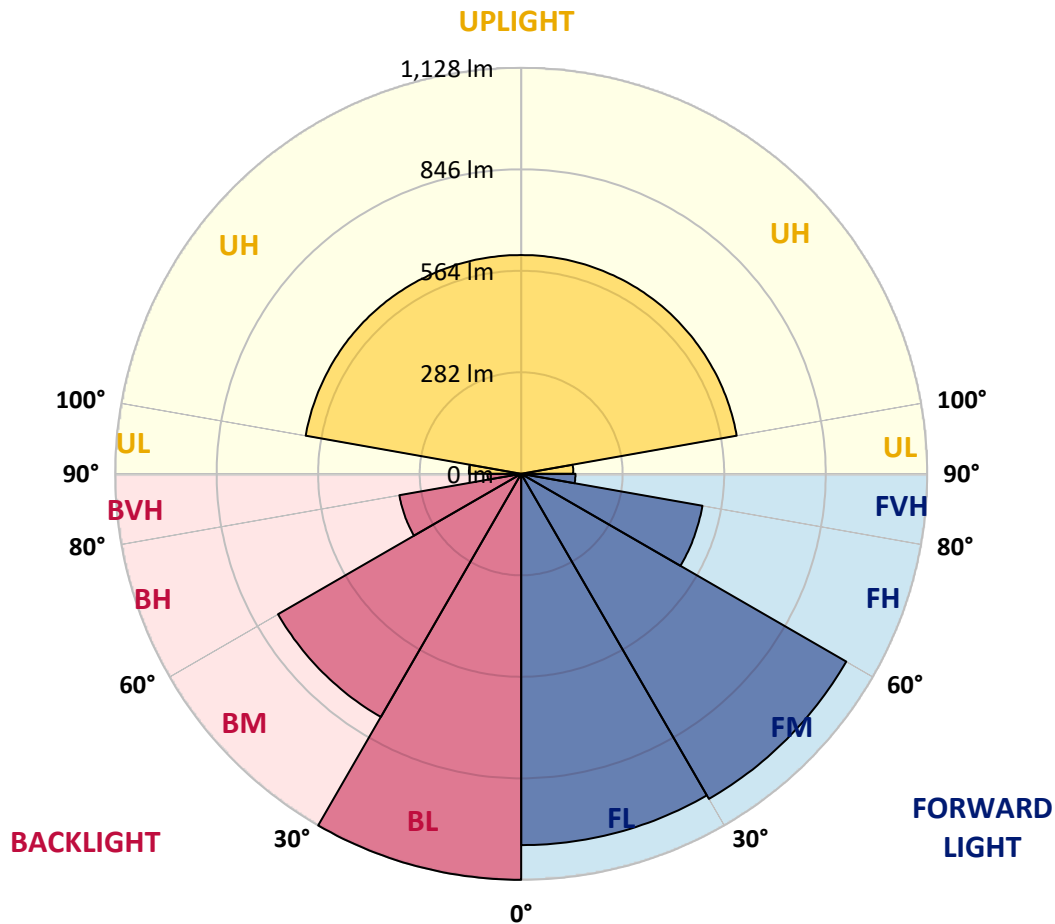
CATALOG NUMBER: CRTK2-C018-5TLD-U-T3-8027-RMARROA5

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1031.3	17.7			
FM	(30°-60°)	1042.6	17.9			
FH	(60°-80°)	511.2	8.8			G0/660
FVH	(80°-90°)	150.7	2.6			G2/225
BL	(0°-30°)	1127.6	19.3	B3/2500		
BM	(30°-60°)	779.8	13.4	B1/1000		
BH	(60°-80°)	343.6	5.9	B1/500		G1/500
BVH	(80°-90°)	93.5	1.6			G1/100
UL	(90°-100°)	145.0	2.5		U3/500	
UH	(100°-180°)	607.7	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°	4882.8	4882.8	4882.8	4882.8	4882.8	4882.8	4882.8	4882.8	4882.8	4882.8	4882.8
2.5°	3761.7	3817.3	3845.1	3928.5	3956.3	4009.5	4090.6	4171.7	4308.3	4410.3	4489.0
5°	3083.0	3129.3	3180.3	3286.8	3349.4	3460.6	3590.3	3729.3	3905.3	4083.7	4176.3
7.5°	2686.9	2698.5	2772.6	2902.3	3015.8	3134.0	3275.3	3395.7	3516.2	3662.1	3754.7
10°	2469.2	2485.4	2534.0	2633.6	2730.9	2828.2	2939.4	3032.0	3154.8	3277.6	3333.2
12.5°	2404.3	2411.3	2453.0	2510.9	2573.4	2636.0	2721.7	2805.1	2913.9	3020.5	3057.5
15°	2462.2	2462.2	2469.2	2492.3	2524.8	2573.4	2638.3	2710.1	2809.7	2888.4	2927.8
17.5°	2490.0	2492.3	2510.9	2515.5	2545.6	2566.5	2624.4	2680.0	2774.9	2839.8	2860.6
20°	2564.2	2564.2	2566.5	2578.1	2582.7	2594.3	2619.7	2649.9	2728.6	2763.4	2758.7
22.5°	2587.3	2578.1	2615.1	2682.3	2680.0	2682.3	2659.1	2666.1	2710.1	2696.2	2663.8
25°	2124.1	2112.5	2154.2	2195.9	2256.1	2332.5	2522.5	2670.7	2726.3	2682.3	2610.5
27.5°	1975.8	1924.9	1913.3	1813.7	1723.3	1575.1	1561.2	1468.5	1459.3	1517.2	1570.5
30°	1403.7	1406.0	1403.7	1394.4	1387.5	1394.4	1401.4	1385.2	1389.8	1426.8	1410.6
32.5°	1368.9	1368.9	1359.7	1355.0	1334.2	1327.2	1315.7	1285.6	1290.2	1318.0	1311.0
35°	1276.3	1271.7	1274.0	1262.4	1225.3	1195.2	1190.6	1165.1	1165.1	1181.3	1174.4
37.5°	1137.3	1130.4	1158.2	1155.8	1125.7	1114.1	1102.6	1086.3	1086.3	1100.2	1086.3
40°	1028.4	1023.8	1053.9	1063.2	1044.7	1049.3	1051.6	1037.7	1051.6	1053.9	1035.4
42.5°	912.6	910.3	935.8	933.5	917.3	914.9	912.6	903.4	926.5	945.1	931.2
45°	776.0	769.0	787.5	794.5	789.9	782.9	780.6	780.6	794.5	803.8	789.9
47.5°	685.6	687.9	701.8	718.1	722.7	727.3	725.0	720.4	729.6	732.0	720.4
50°	655.5	657.8	678.7	697.2	711.1	720.4	720.4	713.4	720.4	713.4	697.2
52.5°	669.4	669.4	697.2	725.0	748.2	764.4	766.7	757.4	757.4	738.9	713.4
55°	674.0	678.7	715.7	762.1	803.8	847.8	868.6	861.7	868.6	829.2	787.5
57.5°	630.0	641.6	678.7	734.3	789.9	859.4	903.4	908.0	905.7	870.9	820.0
60°	572.1	581.4	606.9	655.5	708.8	764.4	808.4	817.7	826.9	810.7	764.4
62.5°	532.8	537.4	558.2	593.0	630.0	660.1	676.4	674.0	683.3	678.7	643.9
65°	498.0	500.3	523.5	551.3	574.4	604.6	609.2	609.2	616.1	606.9	579.1
67.5°	460.9	460.9	479.5	505.0	532.8	558.2	565.2	567.5	576.8	567.5	546.6
70°	428.5	428.5	444.7	465.6	486.4	511.9	518.9	521.2	532.8	521.2	500.3
72.5°	398.4	398.4	412.3	430.8	449.4	470.2	477.2	479.5	488.7	477.2	460.9
75°	366.0	368.3	379.9	396.1	412.3	430.8	440.1	440.1	447.0	433.1	419.3
77.5°	333.5	335.9	347.4	361.3	375.2	393.8	398.4	400.7	407.7	393.8	379.9
80°	301.1	305.8	315.0	326.6	340.5	354.4	363.7	363.7	368.3	354.4	345.1
82.5°	271.0	275.6	282.6	291.9	305.8	319.7	328.9	328.9	331.2	319.7	308.1
85°	240.9	245.5	252.5	259.4	271.0	284.9	294.2	294.2	296.5	284.9	275.6
87.5°	213.1	217.7	222.4	229.3	238.6	252.5	261.7	261.7	261.7	252.5	243.2
90°	185.3	187.6	192.3	199.2	208.5	220.0	227.0	229.3	229.3	217.7	213.1
92.5°	164.5	164.5	169.1	173.7	183.0	192.3	199.2	201.5	201.5	194.6	187.6
95°	141.3	143.6	145.9	150.6	157.5	164.5	173.7	173.7	173.7	169.1	164.5
97.5°	125.1	122.8	125.1	127.4	134.3	139.0	145.9	148.2	148.2	143.6	141.3
100°	106.6	108.9	108.9	111.2	113.5	115.8	120.4	122.8	122.8	120.4	120.4
102.5°	99.6	97.3	97.3	97.3	97.3	97.3	99.6	99.6	101.9	99.6	97.3
105°	92.7	92.7	92.7	92.7	90.3	90.3	90.3	90.3	88.0	85.7	85.7
107.5°	90.3	90.3	90.3	90.3	88.0	88.0	85.7	85.7	83.4	81.1	78.8
110°	90.3	90.3	90.3	90.3	88.0	85.7	85.7	83.4	81.1	78.8	76.4

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	95.0	95.0	95.0	95.0	90.3	88.0	85.7	85.7	81.1	78.8	76.4
115°	104.2	104.2	101.9	101.9	99.6	95.0	92.7	90.3	88.0	83.4	81.1
117.5°	113.5	113.5	113.5	113.5	111.2	106.6	101.9	99.6	97.3	90.3	88.0
120°	129.7	129.7	129.7	132.0	127.4	122.8	118.1	113.5	111.2	104.2	99.6
122.5°	150.6	148.2	152.9	155.2	152.9	145.9	139.0	134.3	129.7	120.4	115.8
125°	171.4	171.4	176.0	183.0	183.0	176.0	166.8	159.8	155.2	141.3	134.3
127.5°	196.9	196.9	203.8	215.4	217.7	210.8	201.5	192.3	185.3	166.8	159.8
130°	220.0	220.0	233.9	247.8	254.8	247.8	238.6	227.0	217.7	196.9	185.3
132.5°	238.6	240.9	257.1	275.6	284.9	282.6	271.0	261.7	252.5	227.0	213.1
135°	257.1	259.4	278.0	301.1	312.7	312.7	303.4	291.9	280.3	252.5	236.3
137.5°	266.4	268.7	291.9	315.0	328.9	333.5	328.9	317.3	305.8	275.6	254.8
140°	266.4	271.0	294.2	317.3	331.2	338.2	338.2	326.6	315.0	287.2	266.4
142.5°	259.4	264.1	284.9	308.1	322.0	331.2	333.5	324.3	312.7	284.9	264.1
145°	245.5	247.8	268.7	289.5	303.4	315.0	319.7	312.7	298.8	275.6	254.8
147.5°	222.4	222.4	240.9	257.1	275.6	287.2	294.2	289.5	278.0	257.1	238.6
150°	189.9	189.9	203.8	220.0	236.3	250.2	257.1	257.1	245.5	229.3	210.8
152.5°	150.6	152.9	162.1	176.0	192.3	203.8	213.1	213.1	206.2	192.3	176.0
155°	115.8	115.8	122.8	132.0	145.9	157.5	164.5	164.5	159.8	148.2	139.0
157.5°	83.4	83.4	88.0	97.3	106.6	115.8	122.8	122.8	118.1	111.2	104.2
160°	55.6	55.6	57.9	64.9	71.8	78.8	83.4	85.7	83.4	78.8	71.8
162.5°	30.1	30.1	32.4	37.1	41.7	48.6	51.0	53.3	53.3	48.6	46.3
165°	9.3	9.3	9.3	13.9	16.2	20.8	23.2	25.5	25.5	25.5	23.2
167.5°	2.3	2.3	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	2.3	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°	4882.8	4882.8	4882.8	4882.8	4882.8	4882.8	4882.8	4882.8	4882.8	4882.8	4882.8
2.5°	4563.1	4734.5	4924.5	5119.0	5318.2	5505.9	5663.4	5788.5	5855.6	5871.8	5862.6
5°	4259.7	4461.2	4683.6	4910.6	5170.0	5468.8	5742.1	5939.0	6040.9	6057.1	6061.8
7.5°	3826.5	4002.6	4220.3	4482.1	4808.7	5128.3	5549.9	5844.0	6008.5	6052.5	6052.5
10°	3370.2	3525.4	3662.1	3891.4	4176.3	4475.1	4834.1	5105.1	5271.9	5325.2	5278.9
12.5°	3113.1	3180.3	3272.9	3442.0	3620.4	3847.4	4157.8	4333.8	4442.7	4475.1	4447.3
15°	2948.7	2983.4	3022.8	3094.6	3219.7	3361.0	3544.0	3652.8	3720.0	3759.4	3745.5
17.5°	2869.9	2869.9	2863.0	2879.2	2911.6	2976.5	3101.5	3140.9	3171.0	3187.2	3178.0
20°	2749.5	2712.4	2682.3	2636.0	2617.4	2615.1	2645.2	2686.9	2684.6	2686.9	2668.4
22.5°	2629.0	2552.6	2478.5	2409.0	2330.2	2290.8	2263.0	2276.9	2265.4	2276.9	2265.4
25°	2571.1	2415.9	2267.7	2098.6	1957.3	1848.4	1776.6	1732.6	1658.5	1686.3	1660.8
27.5°	1595.9	1531.1	1468.5	1343.5	1225.3	1183.6	1148.9	1130.4	1116.5	1123.4	1118.8
30°	1382.8	1329.6	1280.9	1216.1	1125.7	1070.1	1028.4	991.4	979.8	982.1	979.8
32.5°	1283.2	1241.5	1181.3	1114.1	1033.1	963.6	914.9	880.2	861.7	873.2	864.0
35°	1148.9	1107.2	1056.2	993.7	924.2	861.7	815.3	782.9	762.1	766.7	764.4
37.5°	1060.9	1021.5	977.5	910.3	850.1	789.9	743.5	711.1	690.3	694.9	690.3
40°	1009.9	965.9	919.6	859.4	799.1	736.6	692.6	655.5	634.7	634.7	634.7
42.5°	905.7	870.9	831.6	769.0	715.7	662.5	618.5	590.7	567.5	569.8	565.2
45°	773.6	748.2	718.1	676.4	632.4	590.7	553.6	532.8	514.2	516.5	514.2
47.5°	706.5	683.3	648.6	616.1	576.8	539.7	507.3	481.8	467.9	470.2	465.6
50°	681.0	653.2	613.8	569.8	532.8	495.7	463.3	444.7	430.8	433.1	430.8
52.5°	690.3	646.3	590.7	537.4	493.4	456.3	430.8	410.0	400.7	403.0	398.4
55°	750.5	674.0	590.7	523.5	467.9	426.2	400.7	377.6	368.3	368.3	368.3
57.5°	771.3	687.9	583.7	507.3	447.0	405.4	375.2	352.1	342.8	342.8	342.8
60°	722.7	650.9	555.9	484.1	428.5	389.1	363.7	347.4	340.5	340.5	340.5
62.5°	618.5	572.1	500.3	442.4	400.7	366.0	340.5	319.7	312.7	310.4	310.4
65°	560.5	516.5	456.3	407.7	370.6	342.8	319.7	303.4	294.2	294.2	294.2
67.5°	523.5	481.8	426.2	379.9	345.1	315.0	294.2	278.0	273.3	271.0	271.0
70°	481.8	442.4	386.8	345.1	312.7	287.2	266.4	252.5	247.8	247.8	245.5
72.5°	440.1	403.0	349.8	310.4	280.3	257.1	238.6	227.0	222.4	220.0	220.0
75°	400.7	363.7	315.0	278.0	250.2	229.3	213.1	201.5	196.9	196.9	196.9
77.5°	363.7	328.9	282.6	247.8	224.7	203.8	189.9	180.7	176.0	176.0	176.0
80°	328.9	294.2	252.5	220.0	196.9	180.7	169.1	159.8	155.2	157.5	155.2
82.5°	291.9	264.1	224.7	194.6	176.0	159.8	148.2	141.3	136.7	139.0	136.7
85°	261.7	233.9	196.9	171.4	152.9	139.0	129.7	122.8	118.1	120.4	118.1
87.5°	231.6	206.2	173.7	150.6	134.3	122.8	111.2	106.6	104.2	104.2	101.9
90°	199.2	176.0	148.2	129.7	113.5	104.2	95.0	90.3	88.0	85.7	85.7
92.5°	176.0	157.5	132.0	115.8	101.9	95.0	85.7	81.1	78.8	78.8	78.8
95°	155.2	139.0	118.1	104.2	95.0	85.7	78.8	76.4	74.1	74.1	71.8
97.5°	134.3	120.4	106.6	95.0	85.7	78.8	71.8	69.5	67.2	67.2	67.2
100°	113.5	104.2	92.7	83.4	76.4	71.8	64.9	62.5	60.2	60.2	60.2
102.5°	95.0	88.0	78.8	71.8	67.2	62.5	57.9	55.6	53.3	53.3	53.3
105°	83.4	76.4	71.8	64.9	60.2	55.6	53.3	48.6	46.3	46.3	46.3
107.5°	76.4	71.8	67.2	62.5	57.9	53.3	48.6	44.0	41.7	41.7	41.7
110°	74.1	69.5	64.9	60.2	55.6	51.0	48.6	41.7	39.4	39.4	39.4

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CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	179°	180°
112.5°	74.1	71.8	67.2	62.5	57.9	53.3	48.6	39.4	37.1	37.1	37.1
115°	78.8	74.1	69.5	64.9	60.2	55.6	51.0	39.4	37.1	37.1	37.1
117.5°	85.7	81.1	74.1	69.5	64.9	57.9	51.0	41.7	37.1	37.1	37.1
120°	97.3	90.3	83.4	76.4	69.5	62.5	53.3	41.7	34.7	37.1	37.1
122.5°	111.2	104.2	92.7	83.4	76.4	67.2	55.6	44.0	34.7	37.1	37.1
125°	129.7	120.4	106.6	95.0	83.4	71.8	57.9	44.0	34.7	37.1	39.4
127.5°	150.6	136.7	120.4	104.2	90.3	76.4	62.5	46.3	34.7	39.4	39.4
130°	173.7	157.5	136.7	115.8	99.6	81.1	64.9	46.3	37.1	37.1	37.1
132.5°	199.2	176.0	148.2	125.1	104.2	83.4	64.9	46.3	37.1	37.1	37.1
135°	217.7	189.9	159.8	132.0	108.9	85.7	67.2	46.3	34.7	34.7	34.7
137.5°	233.9	201.5	169.1	136.7	111.2	85.7	64.9	44.0	34.7	32.4	32.4
140°	243.2	206.2	169.1	136.7	108.9	83.4	60.2	41.7	30.1	30.1	30.1
142.5°	243.2	203.8	166.8	132.0	101.9	78.8	57.9	37.1	27.8	27.8	27.8
145°	233.9	194.6	157.5	125.1	95.0	71.8	51.0	34.7	25.5	25.5	25.5
147.5°	217.7	178.4	143.6	113.5	83.4	62.5	44.0	27.8	20.8	20.8	20.8
150°	194.6	157.5	125.1	97.3	71.8	51.0	37.1	23.2	16.2	16.2	16.2
152.5°	162.1	132.0	101.9	81.1	57.9	41.7	27.8	18.5	13.9	13.9	13.9
155°	127.4	104.2	81.1	62.5	44.0	30.1	20.8	13.9	9.3	9.3	9.3
157.5°	97.3	78.8	60.2	46.3	32.4	23.2	16.2	9.3	6.9	6.9	6.9
160°	67.2	53.3	41.7	32.4	20.8	16.2	11.6	6.9	4.6	4.6	4.6
162.5°	44.0	34.7	25.5	18.5	13.9	9.3	6.9	4.6	2.3	2.3	2.3
165°	20.8	16.2	13.9	9.3	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	2.3	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)