

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: P691598

Luminaire Tested: **CRTK2-C018-5TLD-U-T3-7030-RMARROA5**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691598
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-T3-7030-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: 6451 lumens
Efficiency: N/A
Efficacy: 120.1 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



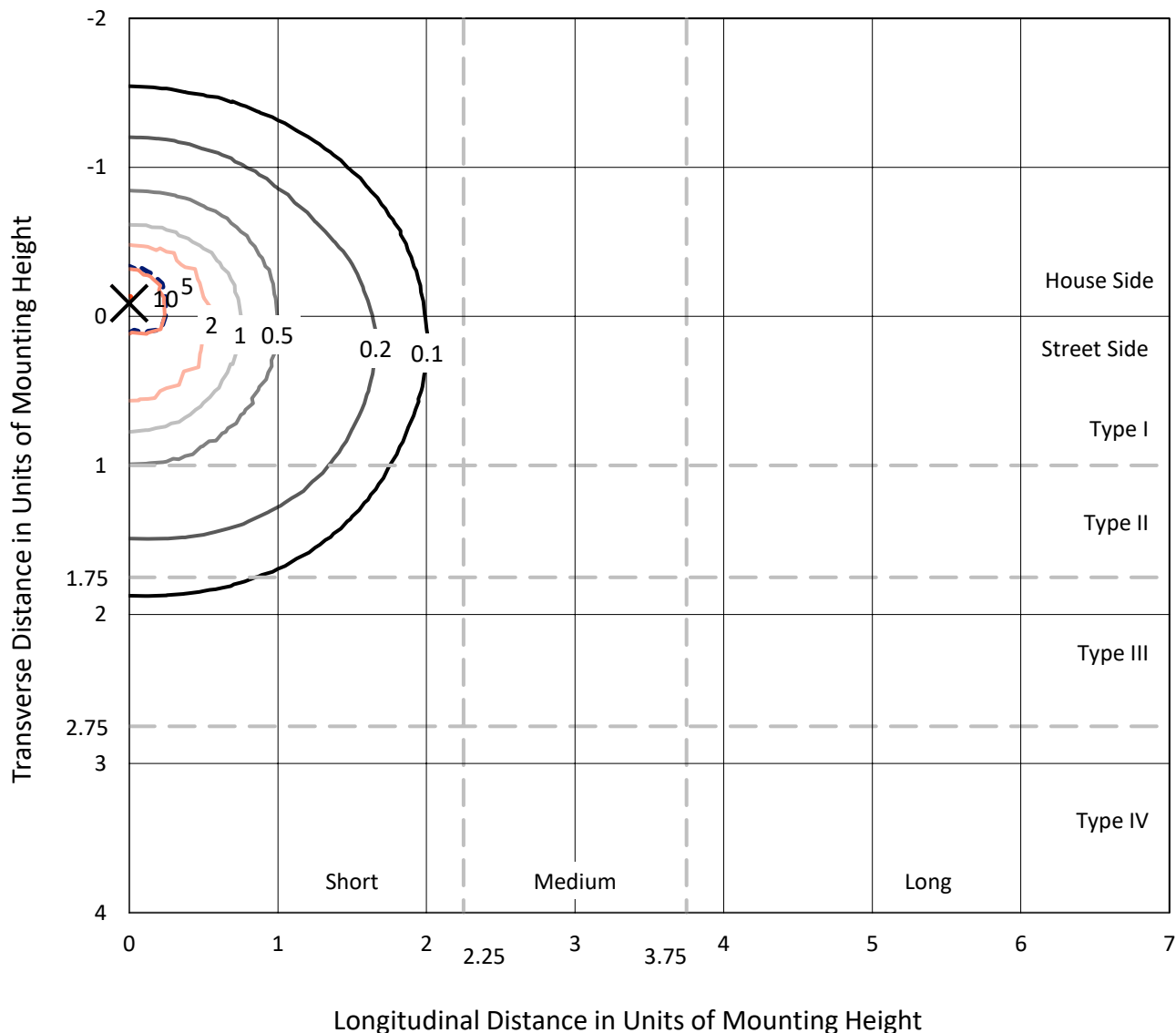
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

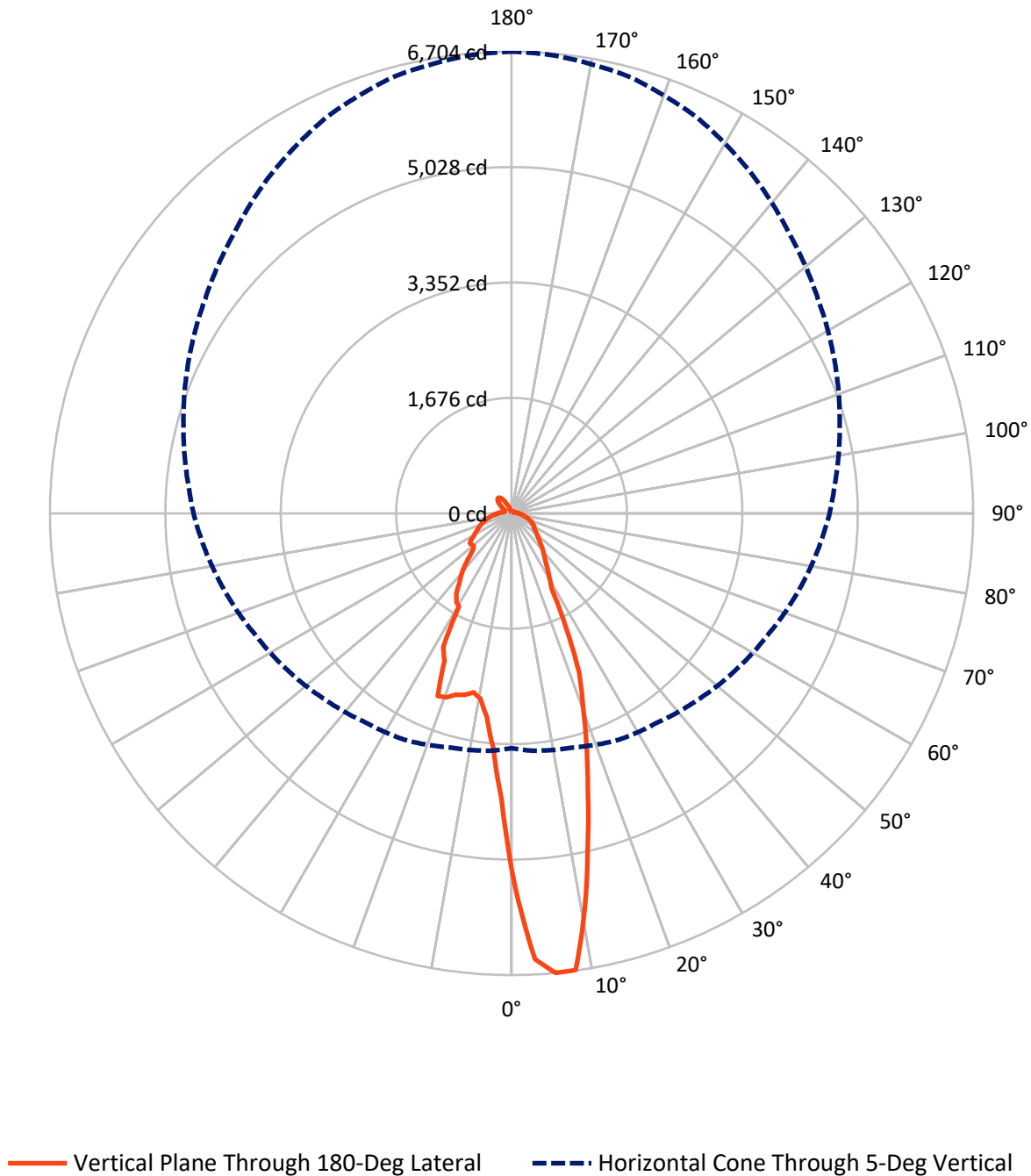


Based on 25 foot mounting height. Maximum calculated value = 10.5 fc

Type I - Short - N/A

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Luminous Intensity Polar Plot



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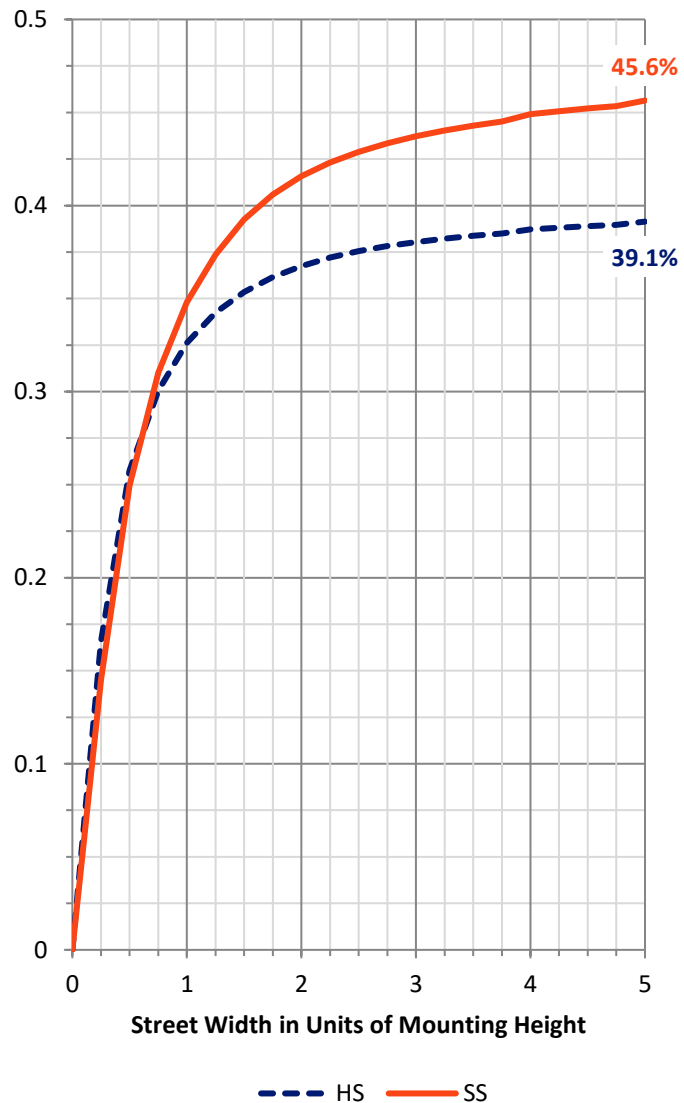
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2592.8	278.0	2870.8
	% Fixture	40.2	4.3	44.5
Street Side	Lumens	3025.7	554.5	3580.2
	% Fixture	46.9	8.6	55.5
Total	Lumens	5618.5	832.5	6451.0
	% Fixture	87.1	12.9	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	433.6	6.7
10°-20°	930.0	14.4
20°-30°	1024.0	15.9
30°-40°	752.4	11.7
40°-50°	630.5	9.8
50°-60°	632.5	9.8
60°-70°	541.7	8.4
70°-80°	403.6	6.3
80°-90°	270.1	4.2
90°-100°	160.4	2.5
100°-110°	93.1	1.4
110°-120°	86.6	1.3
120°-130°	125.6	1.9
130°-140°	169.1	2.6
140°-150°	136.9	2.1
150°-160°	54.1	0.8
160°-170°	6.6	0.1
170°-180°	0.0	0.0
0°-90°	5618.5	87.1
0°-180°	6451.0	100.0

Coefficient of Utilization



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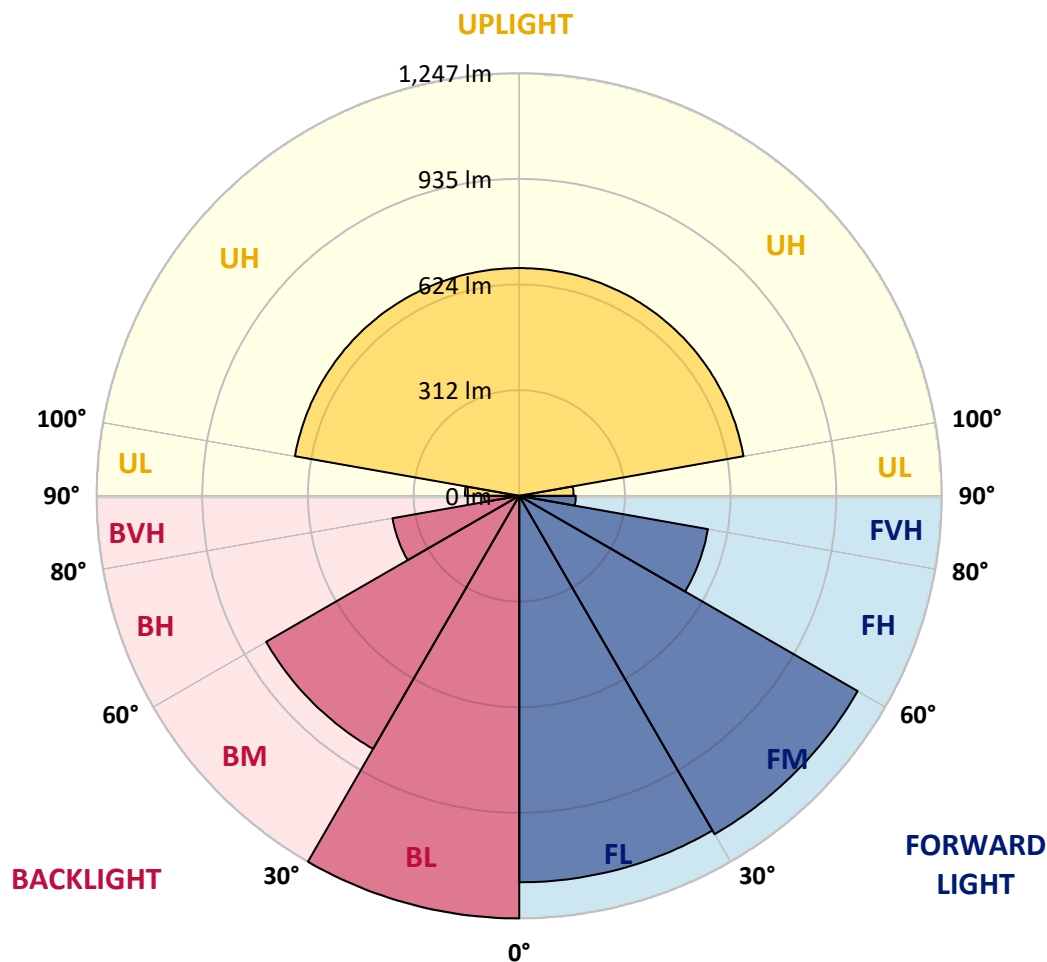
CATALOG NUMBER: CRTK2-C018-5TLD-U-T3-7030-RMARROA5

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1140.6	17.7			
FM	(30°-60°)	1153.1	17.9			
FH	(60°-80°)	565.3	8.8			G0/660
FVH	(80°-90°)	166.7	2.6			G2/225
BL	(0°-30°)	1247.0	19.3	B3/2500		
BM	(30°-60°)	862.4	13.4	B1/1000		
BH	(60°-80°)	380.0	5.9	B1/500		G1/500
BVH	(80°-90°)	103.4	1.6			G2/225
UL	(90°-100°)	160.4	2.5		U3/500	
UH	(100°-180°)	672.1	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°	5400.1	5400.1	5400.1	5400.1	5400.1	5400.1	5400.1	5400.1	5400.1	5400.1	5400.1
2.5°	4160.2	4221.7	4252.5	4344.7	4375.4	4434.3	4524.0	4613.7	4764.8	4877.5	4964.6
5°	3409.6	3460.9	3517.2	3635.1	3704.2	3827.2	3970.7	4124.4	4319.1	4516.3	4618.8
7.5°	2971.6	2984.4	3066.4	3209.8	3335.4	3466.0	3622.3	3755.5	3888.7	4050.1	4152.5
10°	2730.8	2748.7	2802.5	2912.7	3020.3	3127.9	3250.8	3353.3	3489.1	3624.8	3686.3
12.5°	2659.1	2666.8	2712.9	2776.9	2846.1	2915.2	3010.0	3102.2	3222.6	3340.5	3381.5
15°	2723.1	2723.1	2730.8	2756.4	2792.3	2846.1	2917.8	2997.2	3107.4	3194.5	3238.0
17.5°	2753.8	2756.4	2776.9	2782.0	2815.3	2838.4	2902.4	2963.9	3068.9	3140.7	3163.7
20°	2835.8	2835.8	2838.4	2851.2	2856.3	2869.1	2897.3	2930.6	3017.7	3056.1	3051.0
22.5°	2861.4	2851.2	2892.2	2966.5	2963.9	2966.5	2940.9	2948.5	2997.2	2981.8	2946.0
25°	2349.1	2336.3	2382.4	2428.5	2495.1	2579.7	2789.7	2953.7	3015.1	2966.5	2887.1
27.5°	2185.1	2128.8	2116.0	2005.8	1905.9	1742.0	1726.6	1624.1	1613.9	1677.9	1736.8
30°	1552.4	1555.0	1552.4	1542.2	1534.5	1542.2	1549.8	1531.9	1537.0	1578.0	1560.1
32.5°	1514.0	1514.0	1503.7	1498.6	1475.6	1467.9	1455.1	1421.8	1426.9	1457.6	1449.9
35°	1411.5	1406.4	1408.9	1396.1	1355.1	1321.8	1316.7	1288.5	1288.5	1306.5	1298.8
37.5°	1257.8	1250.1	1280.9	1278.3	1245.0	1232.2	1219.4	1201.4	1201.4	1216.8	1201.4
40°	1137.4	1132.3	1165.6	1175.8	1155.3	1160.5	1163.0	1147.7	1163.0	1165.6	1145.1
42.5°	1009.3	1006.8	1034.9	1032.4	1014.4	1011.9	1009.3	999.1	1024.7	1045.2	1029.8
45°	858.2	850.5	871.0	878.7	873.5	865.9	863.3	863.3	878.7	888.9	873.5
47.5°	758.3	760.8	776.2	794.1	799.3	804.4	801.8	796.7	806.9	809.5	796.7
50°	725.0	727.5	750.6	771.1	786.4	796.7	796.7	789.0	796.7	789.0	771.1
52.5°	740.3	740.3	771.1	801.8	827.4	845.4	847.9	837.7	837.7	817.2	789.0
55°	745.5	750.6	791.6	842.8	888.9	937.6	960.6	953.0	960.6	917.1	871.0
57.5°	696.8	709.6	750.6	812.1	873.5	950.4	999.1	1004.2	1001.6	963.2	906.8
60°	632.7	643.0	671.2	725.0	783.9	845.4	894.0	904.3	914.5	896.6	845.4
62.5°	589.2	594.3	617.4	655.8	696.8	730.1	748.0	745.5	755.7	750.6	712.2
65°	550.8	553.3	578.9	609.7	635.3	668.6	673.7	673.7	681.4	671.2	640.4
67.5°	509.8	509.8	530.3	558.5	589.2	617.4	625.1	627.6	637.9	627.6	604.6
70°	473.9	473.9	491.9	514.9	538.0	566.1	573.8	576.4	589.2	576.4	553.3
72.5°	440.6	440.6	456.0	476.5	497.0	520.0	527.7	530.3	540.5	527.7	509.8
75°	404.8	407.3	420.1	438.1	456.0	476.5	486.7	486.7	494.4	479.0	463.7
77.5°	368.9	371.4	384.3	399.6	415.0	435.5	440.6	443.2	450.9	435.5	420.1
80°	333.0	338.1	348.4	361.2	376.6	391.9	402.2	402.2	407.3	391.9	381.7
82.5°	299.7	304.8	312.5	322.8	338.1	353.5	363.8	363.8	366.3	353.5	340.7
85°	266.4	271.5	279.2	286.9	299.7	315.1	325.3	325.3	327.9	315.1	304.8
87.5°	235.7	240.8	245.9	253.6	263.9	279.2	289.5	289.5	289.5	279.2	269.0
90°	204.9	207.5	212.6	220.3	230.6	243.4	251.0	253.6	253.6	240.8	235.7
92.5°	181.9	181.9	187.0	192.1	202.4	212.6	220.3	222.9	222.9	215.2	207.5
95°	156.3	158.8	161.4	166.5	174.2	181.9	192.1	192.1	192.1	187.0	181.9
97.5°	138.3	135.8	138.3	140.9	148.6	153.7	161.4	164.0	164.0	158.8	156.3
100°	117.8	120.4	120.4	123.0	125.5	128.1	133.2	135.8	135.8	133.2	133.2
102.5°	110.2	107.6	107.6	107.6	107.6	107.6	110.2	110.2	112.7	110.2	107.6
105°	102.5	102.5	102.5	102.5	99.9	99.9	99.9	99.9	97.3	94.8	94.8
107.5°	99.9	99.9	99.9	99.9	97.3	97.3	94.8	94.8	92.2	89.7	87.1
110°	99.9	99.9	99.9	99.9	97.3	94.8	94.8	92.2	89.7	87.1	84.5



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	105.0	105.0	105.0	105.0	99.9	97.3	94.8	94.8	89.7	87.1	84.5
115°	115.3	115.3	112.7	112.7	110.2	105.0	102.5	99.9	97.3	92.2	89.7
117.5°	125.5	125.5	125.5	125.5	123.0	117.8	112.7	110.2	107.6	99.9	97.3
120°	143.5	143.5	143.5	146.0	140.9	135.8	130.6	125.5	123.0	115.3	110.2
122.5°	166.5	164.0	169.1	171.6	169.1	161.4	153.7	148.6	143.5	133.2	128.1
125°	189.6	189.6	194.7	202.4	202.4	194.7	184.4	176.8	171.6	156.3	148.6
127.5°	217.7	217.7	225.4	238.2	240.8	233.1	222.9	212.6	204.9	184.4	176.8
130°	243.4	243.4	258.7	274.1	281.8	274.1	263.9	251.0	240.8	217.7	204.9
132.5°	263.9	266.4	284.4	304.8	315.1	312.5	299.7	289.5	279.2	251.0	235.7
135°	284.4	286.9	307.4	333.0	345.8	345.8	335.6	322.8	310.0	279.2	261.3
137.5°	294.6	297.2	322.8	348.4	363.8	368.9	363.8	351.0	338.1	304.8	281.8
140°	294.6	299.7	325.3	351.0	366.3	374.0	374.0	361.2	348.4	317.7	294.6
142.5°	286.9	292.0	315.1	340.7	356.1	366.3	368.9	358.6	345.8	315.1	292.0
145°	271.5	274.1	297.2	320.2	335.6	348.4	353.5	345.8	330.5	304.8	281.8
147.5°	245.9	245.9	266.4	284.4	304.8	317.7	325.3	320.2	307.4	284.4	263.9
150°	210.1	210.1	225.4	243.4	261.3	276.7	284.4	284.4	271.5	253.6	233.1
152.5°	166.5	169.1	179.3	194.7	212.6	225.4	235.7	235.7	228.0	212.6	194.7
155°	128.1	128.1	135.8	146.0	161.4	174.2	181.9	181.9	176.8	164.0	153.7
157.5°	92.2	92.2	97.3	107.6	117.8	128.1	135.8	135.8	130.6	123.0	115.3
160°	61.5	61.5	64.0	71.7	79.4	87.1	92.2	94.8	92.2	87.1	79.4
162.5°	33.3	33.3	35.9	41.0	46.1	53.8	56.4	58.9	58.9	53.8	51.2
165°	10.2	10.2	10.2	15.4	17.9	23.1	25.6	28.2	28.2	28.2	25.6
167.5°	2.6	2.6	2.6	2.6	2.6	2.6	5.1	7.7	7.7	7.7	7.7
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	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°	5400.1	5400.1	5400.1	5400.1	5400.1	5400.1	5400.1	5400.1	5400.1	5400.1	5400.1
2.5°	5046.6	5236.2	5446.2	5661.4	5881.7	6089.2	6263.4	6401.7	6476.0	6494.0	6483.7
5°	4711.0	4933.9	5179.8	5430.8	5717.8	6048.2	6350.5	6568.3	6681.0	6698.9	6704.0
7.5°	4232.0	4426.7	4667.5	4956.9	5318.1	5671.6	6137.9	6463.2	6645.1	6693.8	6693.8
10°	3727.3	3898.9	4050.1	4303.7	4618.8	4949.2	5346.3	5646.0	5830.5	5889.4	5838.2
12.5°	3443.0	3517.2	3619.7	3806.7	4004.0	4255.0	4598.3	4793.0	4913.4	4949.2	4918.5
15°	3261.1	3299.5	3343.0	3422.5	3560.8	3717.1	3919.4	4039.8	4114.1	4157.7	4142.3
17.5°	3174.0	3174.0	3166.3	3184.2	3220.1	3291.8	3430.1	3473.7	3507.0	3524.9	3514.7
20°	3040.8	2999.8	2966.5	2915.2	2894.7	2892.2	2925.5	2971.6	2969.0	2971.6	2951.1
22.5°	2907.6	2823.0	2741.0	2664.2	2577.1	2533.5	2502.8	2518.2	2505.4	2518.2	2505.4
25°	2843.5	2671.9	2507.9	2320.9	2164.7	2044.3	1964.8	1916.2	1834.2	1864.9	1836.8
27.5°	1765.0	1693.3	1624.1	1485.8	1355.1	1309.0	1270.6	1250.1	1234.7	1242.4	1237.3
30°	1529.3	1470.4	1416.6	1344.9	1245.0	1183.5	1137.4	1096.4	1083.6	1086.2	1083.6
32.5°	1419.2	1373.1	1306.5	1232.2	1142.5	1065.7	1011.9	973.5	953.0	965.8	955.5
35°	1270.6	1224.5	1168.1	1099.0	1022.1	953.0	901.7	865.9	842.8	847.9	845.4
37.5°	1173.3	1129.7	1081.0	1006.8	940.2	873.5	822.3	786.4	763.4	768.5	763.4
40°	1116.9	1068.2	1017.0	950.4	883.8	814.6	766.0	725.0	701.9	701.9	701.9
42.5°	1001.6	963.2	919.7	850.5	791.6	732.7	684.0	653.2	627.6	630.2	625.1
45°	855.6	827.4	794.1	748.0	699.3	653.2	612.3	589.2	568.7	571.3	568.7
47.5°	781.3	755.7	717.3	681.4	637.9	596.9	561.0	532.8	517.5	520.0	514.9
50°	753.1	722.4	678.9	630.2	589.2	548.2	512.3	491.9	476.5	479.0	476.5
52.5°	763.4	714.7	653.2	594.3	545.6	504.7	476.5	453.4	443.2	445.7	440.6
55°	830.0	745.5	653.2	578.9	517.5	471.4	443.2	417.6	407.3	407.3	407.3
57.5°	853.1	760.8	645.6	561.0	494.4	448.3	415.0	389.4	379.1	379.1	379.1
60°	799.3	719.8	614.8	535.4	473.9	430.4	402.2	384.3	376.6	376.6	376.6
62.5°	684.0	632.7	553.3	489.3	443.2	404.8	376.6	353.5	345.8	343.3	343.3
65°	619.9	571.3	504.7	450.9	409.9	379.1	353.5	335.6	325.3	325.3	325.3
67.5°	578.9	532.8	471.4	420.1	381.7	348.4	325.3	307.4	302.3	299.7	299.7
70°	532.8	489.3	427.8	381.7	345.8	317.7	294.6	279.2	274.1	274.1	271.5
72.5°	486.7	445.7	386.8	343.3	310.0	284.4	263.9	251.0	245.9	243.4	243.4
75°	443.2	402.2	348.4	307.4	276.7	253.6	235.7	222.9	217.7	217.7	217.7
77.5°	402.2	363.8	312.5	274.1	248.5	225.4	210.1	199.8	194.7	194.7	194.7
80°	363.8	325.3	279.2	243.4	217.7	199.8	187.0	176.8	171.6	174.2	171.6
82.5°	322.8	292.0	248.5	215.2	194.7	176.8	164.0	156.3	151.1	153.7	151.1
85°	289.5	258.7	217.7	189.6	169.1	153.7	143.5	135.8	130.6	133.2	130.6
87.5°	256.2	228.0	192.1	166.5	148.6	135.8	123.0	117.8	115.3	115.3	112.7
90°	220.3	194.7	164.0	143.5	125.5	115.3	105.0	99.9	97.3	94.8	94.8
92.5°	194.7	174.2	146.0	128.1	112.7	105.0	94.8	89.7	87.1	87.1	87.1
95°	171.6	153.7	130.6	115.3	105.0	94.8	87.1	84.5	82.0	82.0	79.4
97.5°	148.6	133.2	117.8	105.0	94.8	87.1	79.4	76.9	74.3	74.3	74.3
100°	125.5	115.3	102.5	92.2	84.5	79.4	71.7	69.2	66.6	66.6	66.6
102.5°	105.0	97.3	87.1	79.4	74.3	69.2	64.0	61.5	58.9	58.9	58.9
105°	92.2	84.5	79.4	71.7	66.6	61.5	58.9	53.8	51.2	51.2	51.2
107.5°	84.5	79.4	74.3	69.2	64.0	58.9	53.8	48.7	46.1	46.1	46.1
110°	82.0	76.9	71.7	66.6	61.5	56.4	53.8	46.1	43.5	43.5	43.5



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CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	179°	180°
112.5°	82.0	79.4	74.3	69.2	64.0	58.9	53.8	43.5	41.0	41.0	41.0
115°	87.1	82.0	76.9	71.7	66.6	61.5	56.4	43.5	41.0	41.0	41.0
117.5°	94.8	89.7	82.0	76.9	71.7	64.0	56.4	46.1	41.0	41.0	41.0
120°	107.6	99.9	92.2	84.5	76.9	69.2	58.9	46.1	38.4	41.0	41.0
122.5°	123.0	115.3	102.5	92.2	84.5	74.3	61.5	48.7	38.4	41.0	41.0
125°	143.5	133.2	117.8	105.0	92.2	79.4	64.0	48.7	38.4	41.0	43.5
127.5°	166.5	151.1	133.2	115.3	99.9	84.5	69.2	51.2	38.4	43.5	43.5
130°	192.1	174.2	151.1	128.1	110.2	89.7	71.7	51.2	41.0	41.0	41.0
132.5°	220.3	194.7	164.0	138.3	115.3	92.2	71.7	51.2	41.0	41.0	41.0
135°	240.8	210.1	176.8	146.0	120.4	94.8	74.3	51.2	38.4	38.4	38.4
137.5°	258.7	222.9	187.0	151.1	123.0	94.8	71.7	48.7	38.4	35.9	35.9
140°	269.0	228.0	187.0	151.1	120.4	92.2	66.6	46.1	33.3	33.3	33.3
142.5°	269.0	225.4	184.4	146.0	112.7	87.1	64.0	41.0	30.7	30.7	30.7
145°	258.7	215.2	174.2	138.3	105.0	79.4	56.4	38.4	28.2	28.2	28.2
147.5°	240.8	197.3	158.8	125.5	92.2	69.2	48.7	30.7	23.1	23.1	23.1
150°	215.2	174.2	138.3	107.6	79.4	56.4	41.0	25.6	17.9	17.9	17.9
152.5°	179.3	146.0	112.7	89.7	64.0	46.1	30.7	20.5	15.4	15.4	15.4
155°	140.9	115.3	89.7	69.2	48.7	33.3	23.1	15.4	10.2	10.2	10.2
157.5°	107.6	87.1	66.6	51.2	35.9	25.6	17.9	10.2	7.7	7.7	7.7
160°	74.3	58.9	46.1	35.9	23.1	17.9	12.8	7.7	5.1	5.1	5.1
162.5°	48.7	38.4	28.2	20.5	15.4	10.2	7.7	5.1	2.6	2.6	2.6
165°	23.1	17.9	15.4	10.2	7.7	5.1	2.6	2.6	0.0	0.0	0.0
167.5°	7.7	5.1	5.1	2.6	2.6	2.6	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)