

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: P691698

Luminaire Tested: **CRTK2-C018-D-U-T3-7040-RMARROA5**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691698
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-T3-7040-RMARROA5
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 4000K LED WITH TYPE III OPTIC AND NEMA REFRACTOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5751 lumens
Efficiency: N/A
Efficacy: 114.1 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): 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



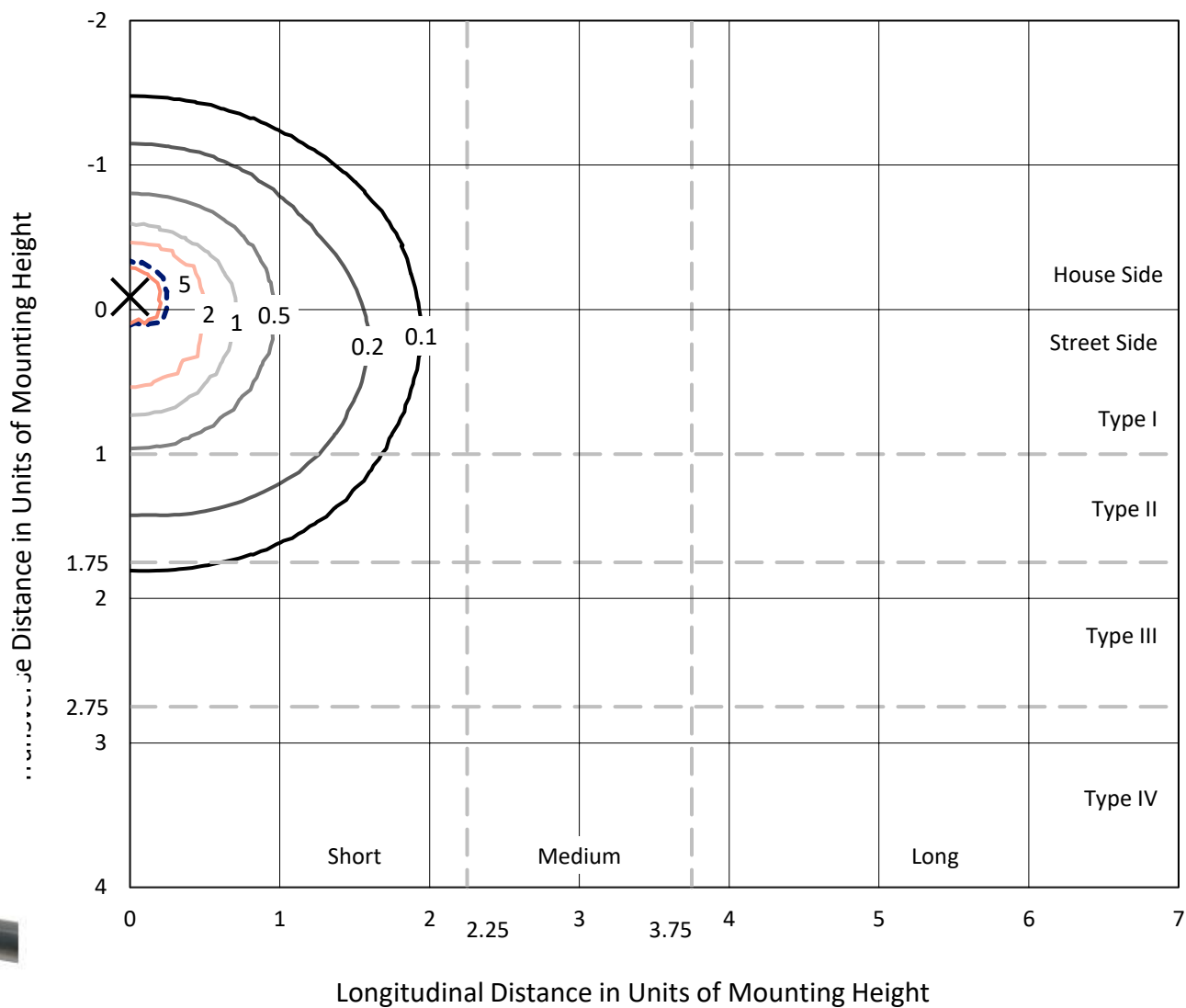
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

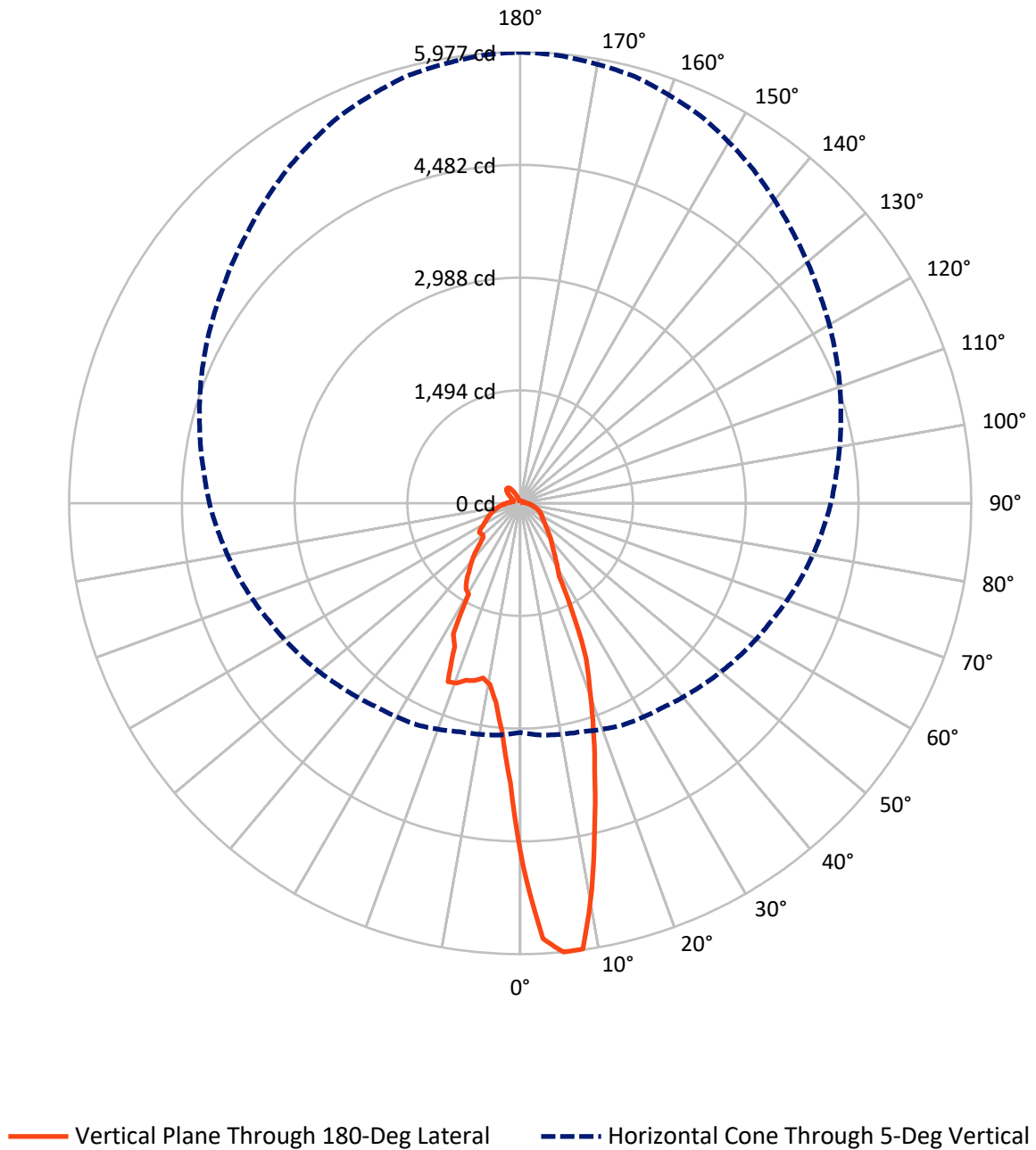


Based on 25 foot mounting height. Maximum calculated value = 9.3 fc

Type I - Short - N/A

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Luminous Intensity Polar Plot



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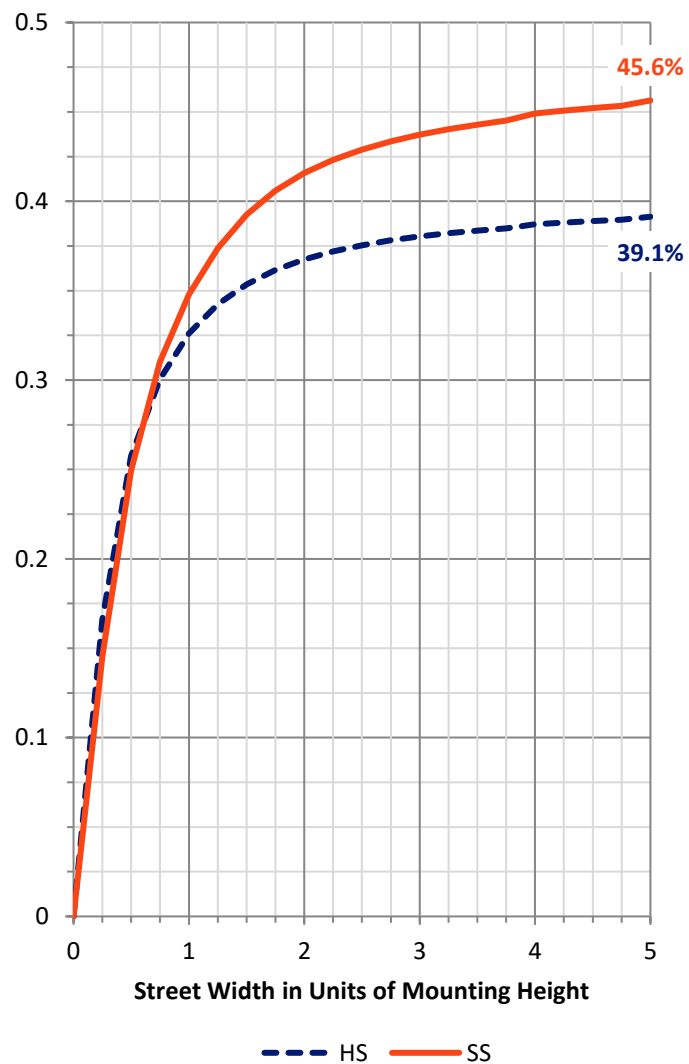
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2311.4	247.8	2559.3
	% Fixture	40.2	4.3	44.5
Street Side	Lumens	2697.4	494.3	3191.7
	% Fixture	46.9	8.6	55.5
Total	Lumens	5008.8	742.2	5751.0
	% Fixture	87.1	12.9	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	386.6	6.7
10°-20°	829.1	14.4
20°-30°	912.9	15.9
30°-40°	670.8	11.7
40°-50°	562.0	9.8
50°-60°	563.9	9.8
60°-70°	482.9	8.4
70°-80°	359.8	6.3
80°-90°	240.8	4.2
90°-100°	143.0	2.5
100°-110°	83.0	1.4
110°-120°	77.2	1.3
120°-130°	112.0	1.9
130°-140°	150.7	2.6
140°-150°	122.1	2.1
150°-160°	48.2	0.8
160°-170°	5.9	0.1
170°-180°	0.0	0.0
0°-90°	5008.8	87.1
0°-180°	5751.0	100.0

Coefficient of Utilization



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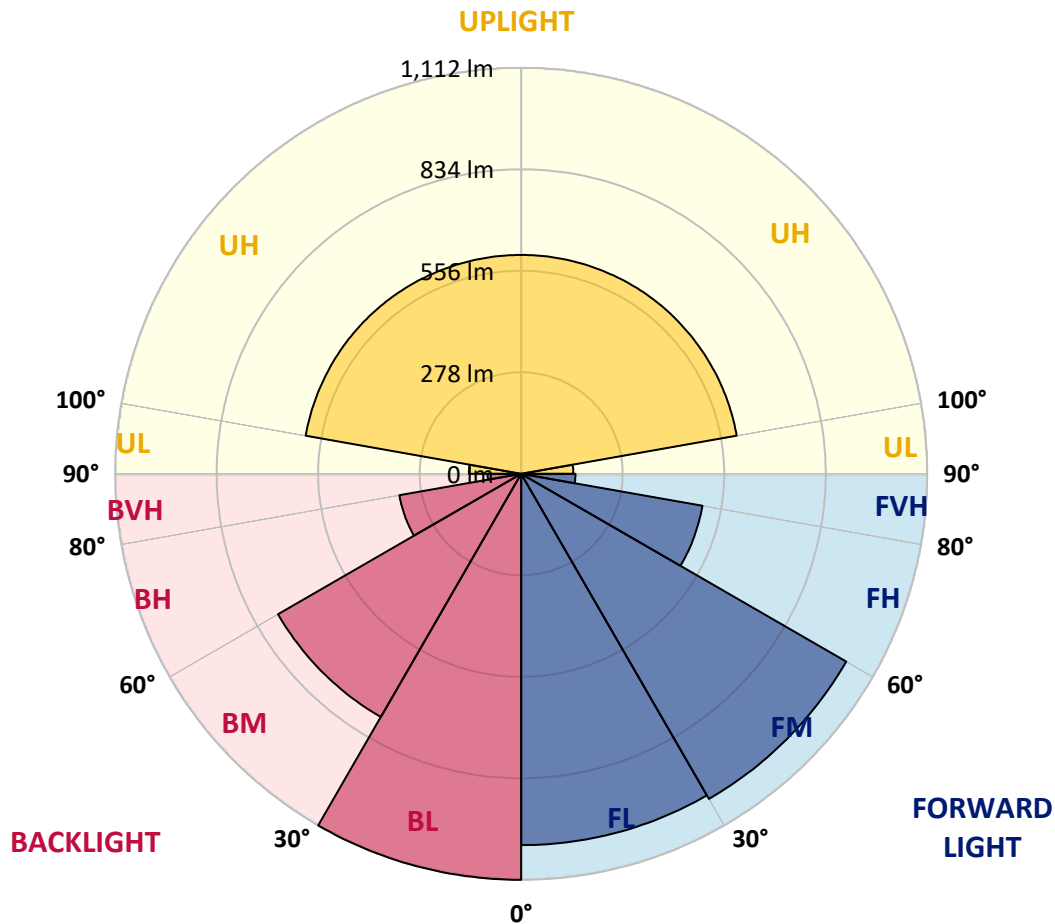
CATALOG NUMBER: CRTK2-C018-D-U-T3-7040-RMARROA5

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1016.8	17.7			
FM	(30°-60°)	1028.0	17.9			
FH	(60°-80°)	504.0	8.8			G0/660
FVH	(80°-90°)	148.6	2.6			G2/225
BL	(0°-30°)	1111.7	19.3	B3/2500		
BM	(30°-60°)	768.8	13.4	B1/1000		
BH	(60°-80°)	338.8	5.9	B1/500		G1/500
BVH	(80°-90°)	92.1	1.6			G1/100
UL	(90°-100°)	143.0	2.5		U3/500	
UH	(100°-180°)	599.2	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°	4814.1	4814.1	4814.1	4814.1	4814.1	4814.1	4814.1	4814.1	4814.1	4814.1	4814.1
2.5°	3708.8	3763.6	3791.0	3873.2	3900.6	3953.2	4033.1	4113.0	4247.8	4348.3	4425.9
5°	3039.7	3085.3	3135.6	3240.6	3302.3	3411.9	3539.8	3676.8	3850.4	4026.2	4117.6
7.5°	2649.1	2660.6	2733.6	2861.5	2973.4	3089.9	3229.2	3348.0	3466.7	3610.6	3702.0
10°	2434.5	2450.5	2498.4	2596.6	2692.5	2788.5	2898.1	2989.4	3110.5	3231.5	3286.3
12.5°	2370.5	2377.4	2418.5	2475.6	2537.2	2598.9	2683.4	2765.6	2873.0	2978.0	3014.5
15°	2427.6	2427.6	2434.5	2457.3	2489.3	2537.2	2601.2	2672.0	2770.2	2847.8	2886.7
17.5°	2455.0	2457.3	2475.6	2480.1	2509.8	2530.4	2587.5	2642.3	2735.9	2799.9	2820.4
20°	2528.1	2528.1	2530.4	2541.8	2546.4	2557.8	2582.9	2612.6	2690.3	2724.5	2719.9
22.5°	2550.9	2541.8	2578.4	2644.6	2642.3	2644.6	2621.7	2628.6	2672.0	2658.3	2626.3
25°	2094.2	2082.8	2123.9	2165.0	2224.4	2299.7	2487.0	2633.2	2688.0	2644.6	2573.8
27.5°	1948.0	1897.8	1886.4	1788.2	1699.1	1552.9	1539.2	1447.9	1438.8	1495.9	1548.4
30°	1384.0	1386.2	1384.0	1374.8	1368.0	1374.8	1381.7	1365.7	1370.2	1406.8	1390.8
32.5°	1349.7	1349.7	1340.6	1336.0	1315.4	1308.6	1297.2	1267.5	1272.0	1299.5	1292.6
35°	1258.3	1253.8	1256.1	1244.6	1208.1	1178.4	1173.8	1148.7	1148.7	1164.7	1157.9
37.5°	1121.3	1114.5	1141.9	1139.6	1109.9	1098.5	1087.1	1071.1	1071.1	1084.8	1071.1
40°	1014.0	1009.4	1039.1	1048.2	1030.0	1034.5	1036.8	1023.1	1036.8	1039.1	1020.8
42.5°	899.8	897.5	922.6	920.4	904.4	902.1	899.8	890.7	913.5	931.8	918.1
45°	765.1	758.2	776.5	783.3	778.8	771.9	769.6	769.6	783.3	792.5	778.8
47.5°	676.0	678.3	692.0	708.0	712.5	717.1	714.8	710.2	719.4	721.7	710.2
50°	646.3	648.6	669.1	687.4	701.1	710.2	710.2	703.4	710.2	703.4	687.4
52.5°	660.0	660.0	687.4	714.8	737.7	753.6	755.9	746.8	746.8	728.5	703.4
55°	664.6	669.1	705.7	751.4	792.5	835.9	856.4	849.6	856.4	817.6	776.5
57.5°	621.2	632.6	669.1	723.9	778.8	847.3	890.7	895.2	892.9	858.7	808.4
60°	564.1	573.2	598.3	646.3	698.8	753.6	797.0	806.2	815.3	799.3	753.6
62.5°	525.3	529.8	550.4	584.6	621.2	650.9	666.9	664.6	673.7	669.1	634.9
65°	491.0	493.3	516.1	543.5	566.4	596.1	600.6	600.6	607.5	598.3	570.9
67.5°	454.5	454.5	472.7	497.9	525.3	550.4	557.2	559.5	568.7	559.5	539.0
70°	422.5	422.5	438.5	459.0	479.6	504.7	511.6	513.8	525.3	513.8	493.3
72.5°	392.8	392.8	406.5	424.8	443.0	463.6	470.5	472.7	481.9	470.5	454.5
75°	360.8	363.1	374.5	390.5	406.5	424.8	433.9	433.9	440.8	427.1	413.4
77.5°	328.9	331.1	342.6	356.3	370.0	388.2	392.8	395.1	401.9	388.2	374.5
80°	296.9	301.5	310.6	322.0	335.7	349.4	358.5	358.5	363.1	349.4	340.3
82.5°	267.2	271.8	278.6	287.8	301.5	315.2	324.3	324.3	326.6	315.2	303.7
85°	237.5	242.1	248.9	255.8	267.2	280.9	290.0	290.0	292.3	280.9	271.8
87.5°	210.1	214.7	219.2	226.1	235.2	248.9	258.1	258.1	258.1	248.9	239.8
90°	182.7	185.0	189.6	196.4	205.5	217.0	223.8	226.1	226.1	214.7	210.1
92.5°	162.1	162.1	166.7	171.3	180.4	189.6	196.4	198.7	198.7	191.8	185.0
95°	139.3	141.6	143.9	148.4	155.3	162.1	171.3	171.3	171.3	166.7	162.1
97.5°	123.3	121.0	123.3	125.6	132.5	137.0	143.9	146.2	146.2	141.6	139.3
100°	105.1	107.3	107.3	109.6	111.9	114.2	118.8	121.0	121.0	118.8	118.8
102.5°	98.2	95.9	95.9	95.9	95.9	95.9	98.2	98.2	100.5	98.2	95.9
105°	91.3	91.3	91.3	91.3	89.1	89.1	89.1	89.1	86.8	84.5	84.5
107.5°	89.1	89.1	89.1	89.1	86.8	86.8	84.5	84.5	82.2	79.9	77.6
110°	89.1	89.1	89.1	89.1	86.8	84.5	84.5	82.2	79.9	77.6	75.4

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	93.6	93.6	93.6	93.6	89.1	86.8	84.5	84.5	79.9	77.6	75.4
115°	102.8	102.8	100.5	100.5	98.2	93.6	91.3	89.1	86.8	82.2	79.9
117.5°	111.9	111.9	111.9	111.9	109.6	105.1	100.5	98.2	95.9	89.1	86.8
120°	127.9	127.9	127.9	130.2	125.6	121.0	116.5	111.9	109.6	102.8	98.2
122.5°	148.4	146.2	150.7	153.0	150.7	143.9	137.0	132.5	127.9	118.8	114.2
125°	169.0	169.0	173.6	180.4	180.4	173.6	164.4	157.6	153.0	139.3	132.5
127.5°	194.1	194.1	201.0	212.4	214.7	207.8	198.7	189.6	182.7	164.4	157.6
130°	217.0	217.0	230.7	244.4	251.2	244.4	235.2	223.8	214.7	194.1	182.7
132.5°	235.2	237.5	253.5	271.8	280.9	278.6	267.2	258.1	248.9	223.8	210.1
135°	253.5	255.8	274.0	296.9	308.3	308.3	299.2	287.8	276.3	248.9	232.9
137.5°	262.6	264.9	287.8	310.6	324.3	328.9	324.3	312.9	301.5	271.8	251.2
140°	262.6	267.2	290.0	312.9	326.6	333.4	333.4	322.0	310.6	283.2	262.6
142.5°	255.8	260.3	280.9	303.7	317.4	326.6	328.9	319.7	308.3	280.9	260.3
145°	242.1	244.4	264.9	285.5	299.2	310.6	315.2	308.3	294.6	271.8	251.2
147.5°	219.2	219.2	237.5	253.5	271.8	283.2	290.0	285.5	274.0	253.5	235.2
150°	187.3	187.3	201.0	217.0	232.9	246.6	253.5	253.5	242.1	226.1	207.8
152.5°	148.4	150.7	159.9	173.6	189.6	201.0	210.1	210.1	203.3	189.6	173.6
155°	114.2	114.2	121.0	130.2	143.9	155.3	162.1	162.1	157.6	146.2	137.0
157.5°	82.2	82.2	86.8	95.9	105.1	114.2	121.0	121.0	116.5	109.6	102.8
160°	54.8	54.8	57.1	63.9	70.8	77.6	82.2	84.5	82.2	77.6	70.8
162.5°	29.7	29.7	32.0	36.5	41.1	48.0	50.2	52.5	52.5	48.0	45.7
165°	9.1	9.1	9.1	13.7	16.0	20.6	22.8	25.1	25.1	25.1	22.8
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°	4814.1	4814.1	4814.1	4814.1	4814.1	4814.1	4814.1	4814.1	4814.1	4814.1	4814.1
2.5°	4499.0	4668.0	4855.2	5047.1	5243.5	5428.5	5583.8	5707.1	5773.3	5789.3	5780.2
5°	4199.8	4398.5	4617.7	4841.5	5097.3	5391.9	5661.4	5855.5	5956.0	5972.0	5976.6
7.5°	3772.8	3946.3	4161.0	4419.1	4741.1	5056.2	5471.9	5761.9	5924.0	5967.4	5967.4
10°	3322.9	3475.9	3610.6	3836.7	4117.6	4412.2	4766.2	5033.4	5197.8	5250.3	5204.7
12.5°	3069.4	3135.6	3226.9	3393.6	3569.5	3793.3	4099.3	4272.9	4380.2	4412.2	4384.8
15°	2907.2	2941.5	2980.3	3051.1	3174.4	3313.7	3494.1	3601.5	3667.7	3706.5	3692.8
17.5°	2829.6	2829.6	2822.7	2838.7	2870.7	2934.6	3057.9	3096.8	3126.4	3142.4	3133.3
20°	2710.8	2674.3	2644.6	2598.9	2580.6	2578.4	2608.0	2649.1	2646.9	2649.1	2630.9
22.5°	2592.1	2516.7	2443.6	2375.1	2297.4	2258.6	2231.2	2244.9	2233.5	2244.9	2233.5
25°	2535.0	2381.9	2235.8	2069.1	1929.8	1822.4	1751.6	1708.2	1635.2	1662.6	1637.4
27.5°	1573.5	1509.6	1447.9	1324.6	1208.1	1167.0	1132.7	1114.5	1100.8	1107.6	1103.0
30°	1363.4	1310.9	1262.9	1199.0	1109.9	1055.1	1014.0	977.4	966.0	968.3	966.0
32.5°	1265.2	1224.1	1164.7	1098.5	1018.6	950.0	902.1	867.8	849.6	861.0	851.8
35°	1132.7	1091.6	1041.4	979.7	911.2	849.6	803.9	771.9	751.4	755.9	753.6
37.5°	1046.0	1007.1	963.7	897.5	838.1	778.8	733.1	701.1	680.6	685.1	680.6
40°	995.7	952.3	906.6	847.3	787.9	726.2	682.8	646.3	625.7	625.7	625.7
42.5°	892.9	858.7	819.9	758.2	705.7	653.2	609.8	582.4	559.5	561.8	557.2
45°	762.8	737.7	708.0	666.9	623.5	582.4	545.8	525.3	507.0	509.3	507.0
47.5°	696.5	673.7	639.4	607.5	568.7	532.1	500.1	475.0	461.3	463.6	459.0
50°	671.4	644.0	605.2	561.8	525.3	488.7	456.7	438.5	424.8	427.1	424.8
52.5°	680.6	637.2	582.4	529.8	486.4	449.9	424.8	404.2	395.1	397.4	392.8
55°	739.9	664.6	582.4	516.1	461.3	420.2	395.1	372.3	363.1	363.1	363.1
57.5°	760.5	678.3	575.5	500.1	440.8	399.7	370.0	347.1	338.0	338.0	338.0
60°	712.5	641.7	548.1	477.3	422.5	383.7	358.5	342.6	335.7	335.7	335.7
62.5°	609.8	564.1	493.3	436.2	395.1	360.8	335.7	315.2	308.3	306.0	306.0
65°	552.7	509.3	449.9	401.9	365.4	338.0	315.2	299.2	290.0	290.0	290.0
67.5°	516.1	475.0	420.2	374.5	340.3	310.6	290.0	274.0	269.5	267.2	267.2
70°	475.0	436.2	381.4	340.3	308.3	283.2	262.6	248.9	244.4	244.4	242.1
72.5°	433.9	397.4	344.8	306.0	276.3	253.5	235.2	223.8	219.2	217.0	217.0
75°	395.1	358.5	310.6	274.0	246.6	226.1	210.1	198.7	194.1	194.1	194.1
77.5°	358.5	324.3	278.6	244.4	221.5	201.0	187.3	178.1	173.6	173.6	173.6
80°	324.3	290.0	248.9	217.0	194.1	178.1	166.7	157.6	153.0	155.3	153.0
82.5°	287.8	260.3	221.5	191.8	173.6	157.6	146.2	139.3	134.7	137.0	134.7
85°	258.1	230.7	194.1	169.0	150.7	137.0	127.9	121.0	116.5	118.8	116.5
87.5°	228.4	203.3	171.3	148.4	132.5	121.0	109.6	105.1	102.8	102.8	100.5
90°	196.4	173.6	146.2	127.9	111.9	102.8	93.6	89.1	86.8	84.5	84.5
92.5°	173.6	155.3	130.2	114.2	100.5	93.6	84.5	79.9	77.6	77.6	77.6
95°	153.0	137.0	116.5	102.8	93.6	84.5	77.6	75.4	73.1	73.1	70.8
97.5°	132.5	118.8	105.1	93.6	84.5	77.6	70.8	68.5	66.2	66.2	66.2
100°	111.9	102.8	91.3	82.2	75.4	70.8	63.9	61.7	59.4	59.4	59.4
102.5°	93.6	86.8	77.6	70.8	66.2	61.7	57.1	54.8	52.5	52.5	52.5
105°	82.2	75.4	70.8	63.9	59.4	54.8	52.5	48.0	45.7	45.7	45.7
107.5°	75.4	70.8	66.2	61.7	57.1	52.5	48.0	43.4	41.1	41.1	41.1
110°	73.1	68.5	63.9	59.4	54.8	50.2	48.0	41.1	38.8	38.8	38.8

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CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	179°	180°
112.5°	73.1	70.8	66.2	61.7	57.1	52.5	48.0	38.8	36.5	36.5	36.5
115°	77.6	73.1	68.5	63.9	59.4	54.8	50.2	38.8	36.5	36.5	36.5
117.5°	84.5	79.9	73.1	68.5	63.9	57.1	50.2	41.1	36.5	36.5	36.5
120°	95.9	89.1	82.2	75.4	68.5	61.7	52.5	41.1	34.3	36.5	36.5
122.5°	109.6	102.8	91.3	82.2	75.4	66.2	54.8	43.4	34.3	36.5	36.5
125°	127.9	118.8	105.1	93.6	82.2	70.8	57.1	43.4	34.3	36.5	38.8
127.5°	148.4	134.7	118.8	102.8	89.1	75.4	61.7	45.7	34.3	38.8	38.8
130°	171.3	155.3	134.7	114.2	98.2	79.9	63.9	45.7	36.5	36.5	36.5
132.5°	196.4	173.6	146.2	123.3	102.8	82.2	63.9	45.7	36.5	36.5	36.5
135°	214.7	187.3	157.6	130.2	107.3	84.5	66.2	45.7	34.3	34.3	34.3
137.5°	230.7	198.7	166.7	134.7	109.6	84.5	63.9	43.4	34.3	32.0	32.0
140°	239.8	203.3	166.7	134.7	107.3	82.2	59.4	41.1	29.7	29.7	29.7
142.5°	239.8	201.0	164.4	130.2	100.5	77.6	57.1	36.5	27.4	27.4	27.4
145°	230.7	191.8	155.3	123.3	93.6	70.8	50.2	34.3	25.1	25.1	25.1
147.5°	214.7	175.8	141.6	111.9	82.2	61.7	43.4	27.4	20.6	20.6	20.6
150°	191.8	155.3	123.3	95.9	70.8	50.2	36.5	22.8	16.0	16.0	16.0
152.5°	159.9	130.2	100.5	79.9	57.1	41.1	27.4	18.3	13.7	13.7	13.7
155°	125.6	102.8	79.9	61.7	43.4	29.7	20.6	13.7	9.1	9.1	9.1
157.5°	95.9	77.6	59.4	45.7	32.0	22.8	16.0	9.1	6.9	6.9	6.9
160°	66.2	52.5	41.1	32.0	20.6	16.0	11.4	6.9	4.6	4.6	4.6
162.5°	43.4	34.3	25.1	18.3	13.7	9.1	6.9	4.6	2.3	2.3	2.3
165°	20.6	16.0	13.7	9.1	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)