

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: P691261

Luminaire Tested: **CRTK2-C015-5TLD-U-T5R-7030-RMARROA5**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691261
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-23)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C015-5TLD-U-T5R-7030-RMARROA5
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K LED WITH TYPE V ROUND OPTIC AND NEMA REFRACTOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4205 lumens
Efficiency: N/A
Efficacy: 128.6 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.54')
IES Classification: Type V - Short
BUG Rating: B2 - U3 - G1

Input Watts (W): 32.7
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



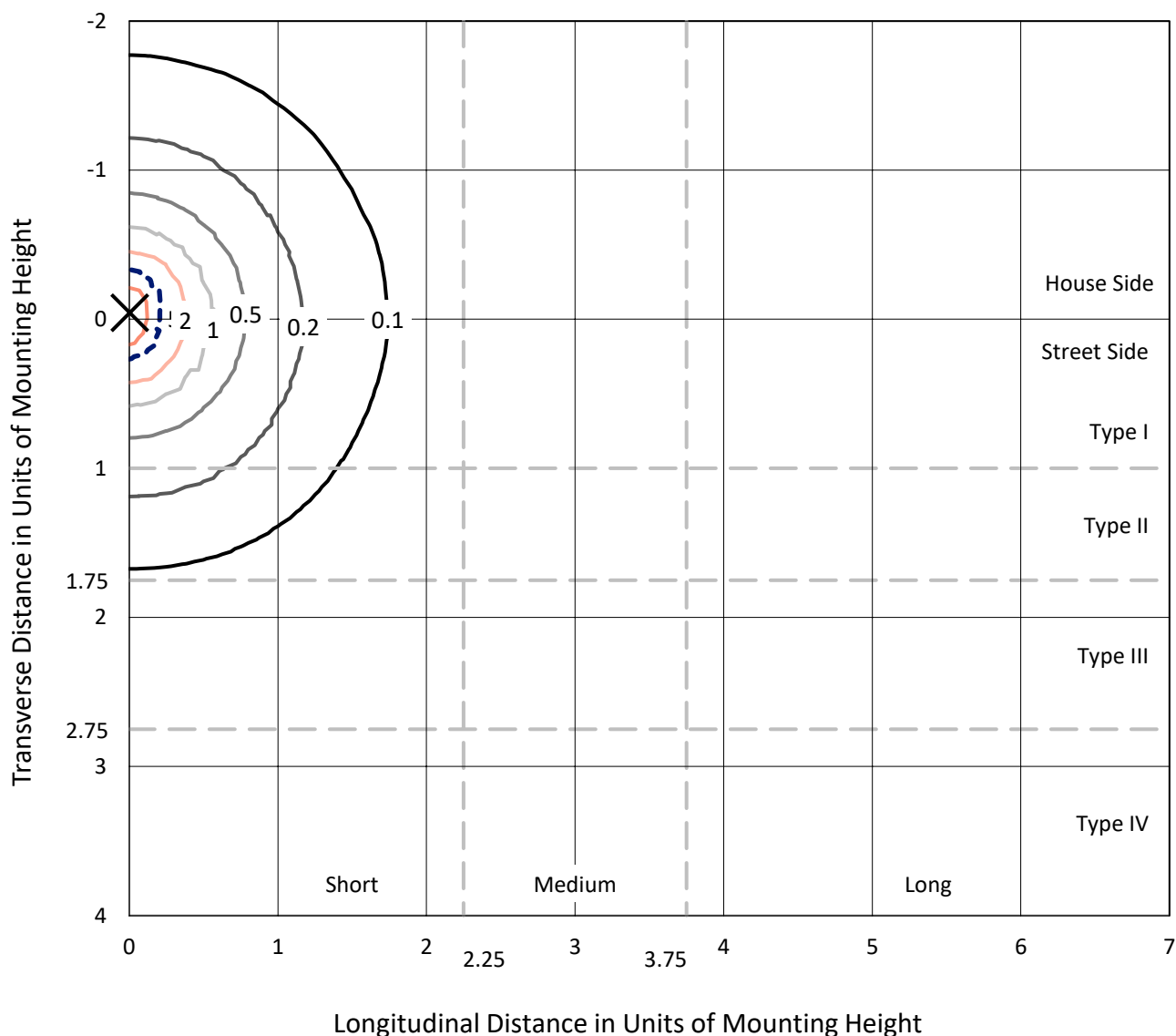
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

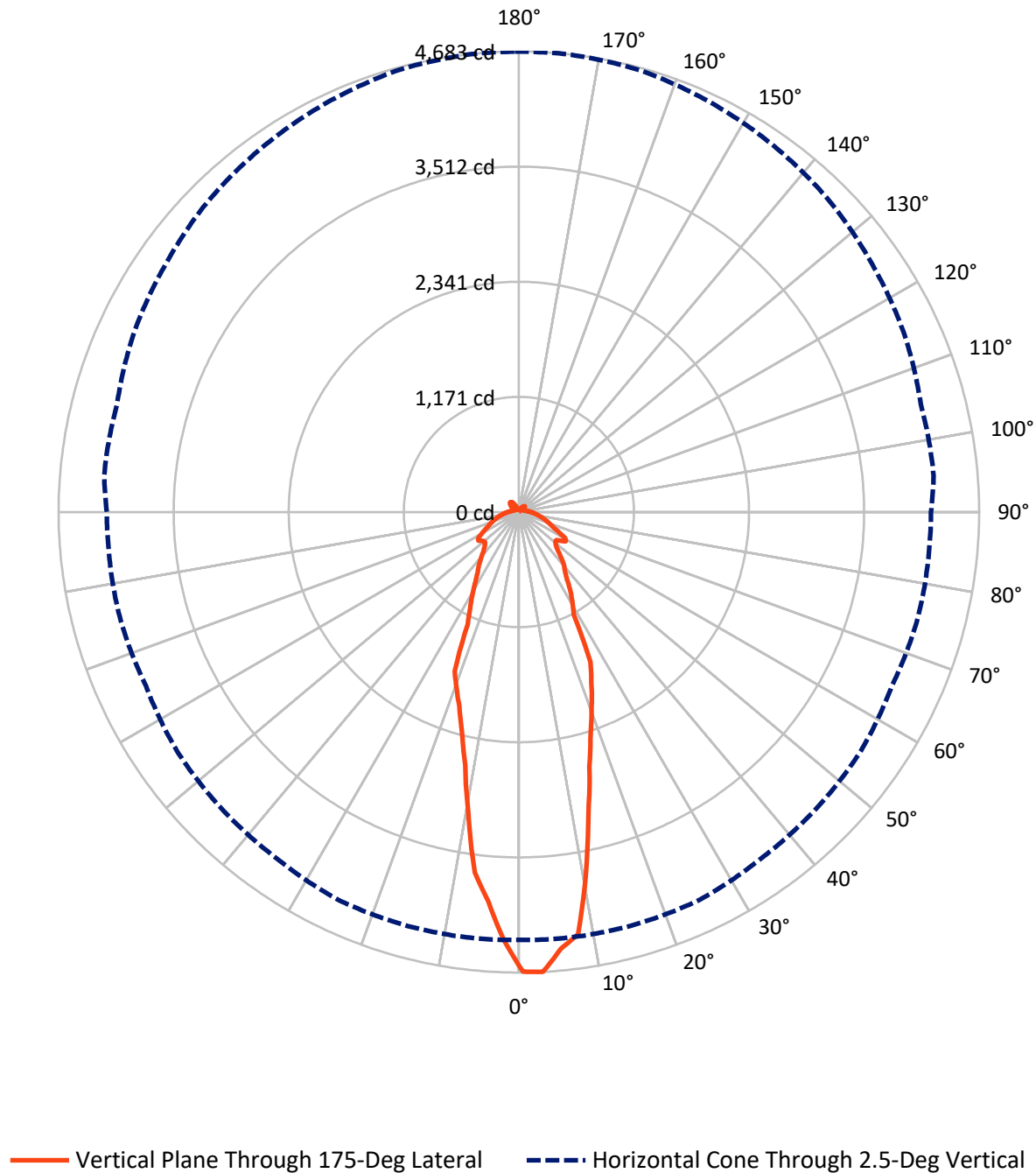


Based on 25 foot mounting height. Maximum calculated value = 7.5 fc

Type V - Short - N/A

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Luminous Intensity Polar Plot



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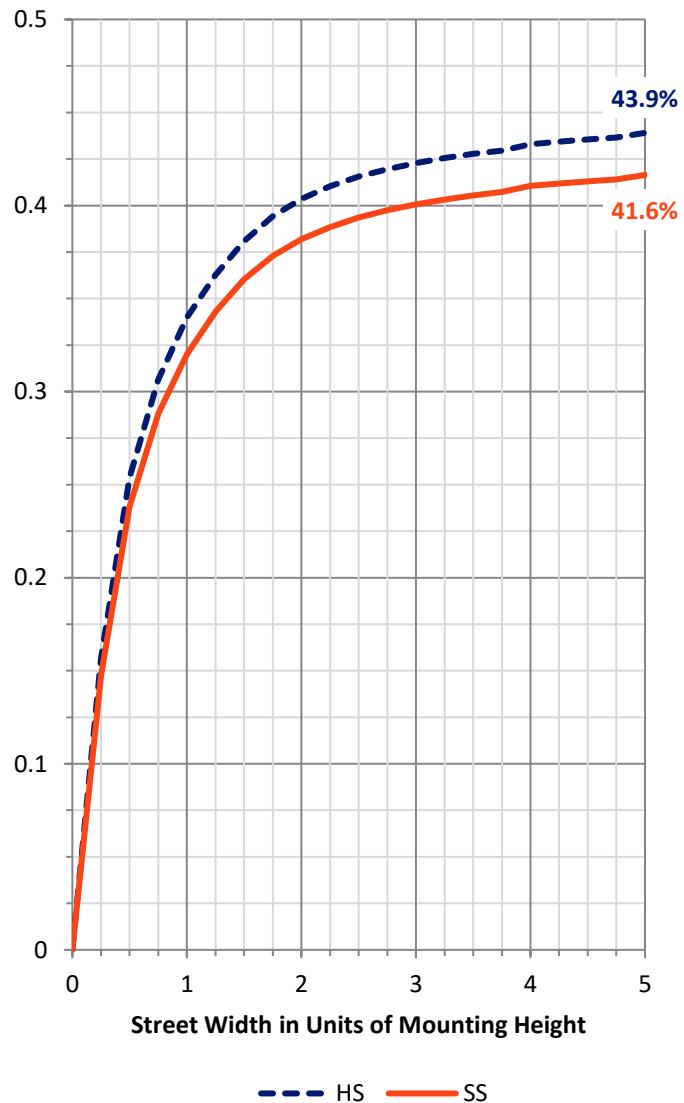
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1903.1	251.4	2154.5
	% Fixture	45.3	6.0	51.2
Street Side	Lumens	1792.4	258.0	2050.5
	% Fixture	42.6	6.1	48.8
Total	Lumens	3695.6	509.4	4205.0
	% Fixture	87.9	12.1	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	347.9	8.3
10°-20°	610.6	14.5
20°-30°	605.5	14.4
30°-40°	466.8	11.1
40°-50°	400.2	9.5
50°-60°	447.5	10.6
60°-70°	383.4	9.1
70°-80°	263.9	6.3
80°-90°	169.8	4.0
90°-100°	101.8	2.4
100°-110°	60.5	1.4
110°-120°	56.0	1.3
120°-130°	80.0	1.9
130°-140°	103.4	2.5
140°-150°	76.5	1.8
150°-160°	28.0	0.7
160°-170°	3.3	0.1
170°-180°	0.0	0.0
0°-90°	3695.6	87.9
0°-180°	4205.0	100.0

Coefficient of Utilization



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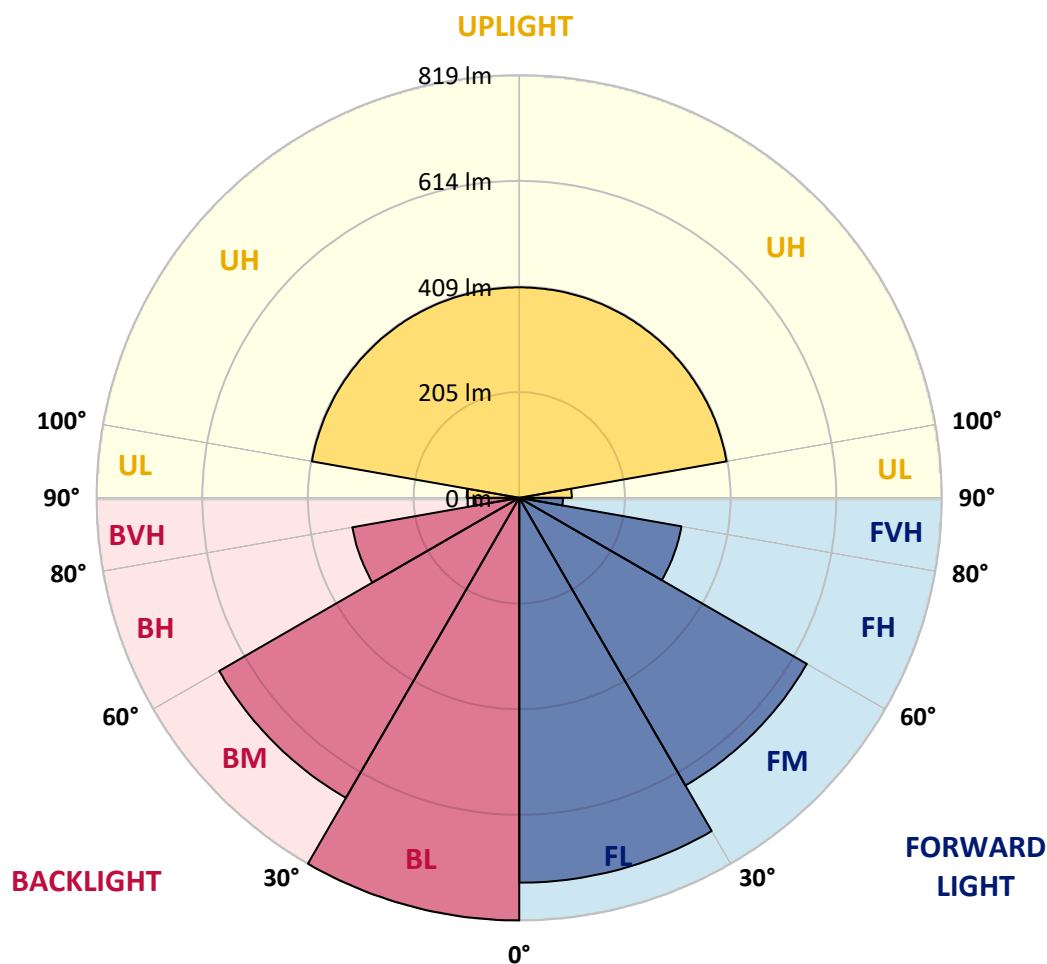
CATALOG NUMBER: CRTK2-C015-5TLD-U-T5R-7030-RMARROA5

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	745.5	17.7			
FM	(30°-60°)	643.4	15.3			
FH	(60°-80°)	319.0	7.6			G0/660
FVH	(80°-90°)	84.7	2.0			G1/100
BL	(0°-30°)	818.5	19.5	B2/1000		
BM	(30°-60°)	671.1	16.0	B1/1000		
BH	(60°-80°)	328.3	7.8	B1/500		G0/660
BVH	(80°-90°)	85.2	2.0			G1/100
UL	(90°-100°)	101.8	2.4		U3/500	
UH	(100°-180°)	407.7	9.7		U3/500	

BUG Rating: B2-U3-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4673.0	4673.0	4673.0	4673.0	4673.0	4673.0	4673.0	4673.0	4673.0	4673.0	4673.0
2.5°	4350.3	4356.6	4358.2	4350.3	4298.1	4271.2	4242.7	4185.8	4198.4	4190.5	4192.1
5°	3945.3	3970.6	3931.1	3920.0	3840.9	3782.4	3725.4	3663.7	3649.5	3624.2	3633.7
7.5°	3676.4	3690.6	3625.8	3559.3	3432.8	3342.6	3247.7	3152.8	3081.6	3054.7	3065.8
10°	3061.0	3108.5	3043.6	2975.6	2855.4	2747.8	2648.1	2554.8	2490.0	2469.4	2472.6
12.5°	2602.3	2629.2	2573.8	2527.9	2393.5	2290.6	2198.9	2111.9	2059.7	2037.5	2037.5
15°	2298.5	2309.6	2266.9	2178.3	2077.1	1983.7	1906.2	1842.9	1800.2	1792.3	1795.5
17.5°	2069.2	2069.2	2026.5	1956.8	1879.3	1797.1	1743.3	1695.8	1676.8	1683.2	1684.8
20°	1896.7	1898.3	1860.3	1792.3	1725.9	1651.5	1607.2	1574.0	1562.9	1574.0	1575.6
22.5°	1733.8	1741.7	1700.6	1650.0	1577.2	1518.7	1482.3	1445.9	1439.6	1444.3	1444.3
25°	1254.5	1254.5	1240.2	1200.7	1216.5	1222.8	1265.5	1357.3	1338.3	1355.7	1354.1
27.5°	1082.0	1088.4	1059.9	1025.1	988.7	946.0	938.1	930.2	922.3	958.6	971.3
30°	955.5	958.6	934.9	911.2	881.1	857.4	851.1	851.1	843.2	871.6	870.1
32.5°	835.3	830.5	824.2	802.0	783.1	762.5	767.2	764.1	764.1	789.4	791.0
35°	740.3	738.8	734.0	718.2	699.2	683.4	688.1	691.3	689.7	705.5	705.5
37.5°	670.7	672.3	669.2	662.8	643.8	631.2	634.4	631.2	635.9	647.0	647.0
40°	602.7	602.7	604.3	602.7	590.1	585.3	594.8	590.1	601.1	609.0	605.9
42.5°	537.9	539.4	542.6	539.4	531.5	526.8	531.5	533.1	548.9	560.0	558.4
45°	496.7	496.7	498.3	496.7	490.4	485.7	485.7	480.9	492.0	498.3	496.7
47.5°	469.8	469.8	473.0	471.4	468.3	463.5	460.3	454.0	458.8	463.5	458.8
50°	460.3	460.3	466.7	466.7	465.1	460.3	455.6	447.7	449.3	452.4	446.1
52.5°	474.6	474.6	485.7	490.4	490.4	482.5	476.2	465.1	465.1	468.3	458.8
55°	504.6	504.6	522.0	531.5	533.1	533.1	525.2	514.1	515.7	522.0	512.5
57.5°	493.6	495.1	509.4	522.0	529.9	534.7	534.7	528.4	533.1	548.9	544.2
60°	441.4	444.5	454.0	465.1	479.3	484.1	484.1	482.5	490.4	509.4	509.4
62.5°	392.3	393.9	398.6	408.1	416.0	419.2	419.2	412.9	422.4	431.9	428.7
65°	354.4	352.8	362.3	370.2	374.9	379.7	374.9	368.6	373.3	379.7	378.1
67.5°	322.7	322.7	330.6	337.0	340.1	344.9	341.7	338.5	344.9	348.0	344.9
70°	292.7	294.2	300.6	305.3	308.5	313.2	308.5	306.9	313.2	316.4	314.8
72.5°	262.6	264.2	268.9	275.3	278.4	280.0	278.4	276.8	281.6	284.7	284.7
75°	235.7	237.3	240.5	246.8	246.8	249.9	248.4	246.8	251.5	254.7	254.7
77.5°	210.4	213.6	215.1	219.9	221.5	223.1	221.5	221.5	224.6	227.8	229.4
80°	188.2	189.8	191.4	196.2	196.2	197.7	196.2	196.2	199.3	204.1	204.1
82.5°	167.7	169.3	170.8	174.0	172.4	174.0	174.0	174.0	177.2	181.9	181.9
85°	147.1	150.3	150.3	153.4	153.4	153.4	153.4	155.0	156.6	161.4	161.4
87.5°	129.7	131.3	132.9	134.5	134.5	136.0	136.0	137.6	139.2	142.4	144.0
90°	112.3	113.9	115.5	115.5	115.5	117.1	117.1	118.6	120.2	123.4	125.0
92.5°	99.7	101.2	101.2	102.8	102.8	102.8	104.4	106.0	107.6	110.7	110.7
95°	88.6	90.2	90.2	90.2	90.2	91.8	91.8	93.3	94.9	98.1	98.1
97.5°	79.1	79.1	79.1	79.1	79.1	80.7	80.7	82.3	83.8	85.4	85.4
100°	69.6	69.6	69.6	69.6	69.6	69.6	69.6	71.2	71.2	74.4	74.4
102.5°	61.7	61.7	60.1	60.1	60.1	58.5	58.5	60.1	60.1	61.7	61.7
105°	55.4	55.4	55.4	55.4	53.8	53.8	53.8	53.8	53.8	55.4	55.4
107.5°	53.8	53.8	52.2	52.2	52.2	50.6	50.6	50.6	50.6	52.2	52.2
110°	52.2	52.2	52.2	52.2	50.6	50.6	49.0	49.0	49.0	50.6	50.6



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	53.8	53.8	53.8	52.2	52.2	50.6	50.6	50.6	50.6	50.6	52.2
115°	56.9	55.4	55.4	55.4	55.4	53.8	52.2	52.2	53.8	53.8	53.8
117.5°	61.7	60.1	60.1	61.7	60.1	58.5	56.9	56.9	58.5	58.5	60.1
120°	68.0	66.4	68.0	68.0	68.0	66.4	64.9	63.3	64.9	66.4	66.4
122.5°	75.9	74.4	75.9	77.5	77.5	75.9	72.8	72.8	74.4	75.9	77.5
125°	85.4	85.4	87.0	88.6	90.2	87.0	85.4	83.8	87.0	88.6	88.6
127.5°	96.5	94.9	98.1	102.8	104.4	101.2	98.1	96.5	99.7	102.8	102.8
130°	107.6	106.0	110.7	115.5	118.6	115.5	112.3	110.7	113.9	117.1	117.1
132.5°	117.1	115.5	121.8	128.1	131.3	129.7	126.6	123.4	128.1	131.3	129.7
135°	125.0	125.0	132.9	139.2	142.4	140.8	137.6	134.5	140.8	144.0	140.8
137.5°	129.7	129.7	139.2	145.5	148.7	148.7	147.1	144.0	150.3	151.9	147.1
140°	129.7	131.3	139.2	145.5	147.1	148.7	148.7	147.1	153.4	153.4	148.7
142.5°	125.0	126.6	134.5	140.8	142.4	144.0	145.5	144.0	148.7	148.7	145.5
145°	117.1	118.6	126.6	132.9	132.9	134.5	137.6	136.0	139.2	140.8	137.6
147.5°	106.0	107.6	113.9	117.1	118.6	121.8	125.0	125.0	126.6	128.1	126.6
150°	91.8	91.8	96.5	99.7	101.2	104.4	107.6	109.2	109.2	110.7	109.2
152.5°	72.8	72.8	75.9	79.1	80.7	85.4	87.0	88.6	90.2	91.8	90.2
155°	55.4	55.4	56.9	58.5	60.1	64.9	66.4	68.0	69.6	71.2	69.6
157.5°	39.5	39.5	41.1	42.7	44.3	47.5	49.0	50.6	50.6	52.2	52.2
160°	25.3	26.9	26.9	28.5	28.5	31.6	33.2	33.2	34.8	36.4	36.4
162.5°	12.7	14.2	14.2	15.8	17.4	19.0	20.6	20.6	22.1	22.1	22.1
165°	3.2	4.7	4.7	6.3	6.3	7.9	9.5	9.5	11.1	11.1	11.1
167.5°	0.0	1.6	1.6	1.6	1.6	1.6	1.6	3.2	3.2	3.2	3.2
170°	0.0	0.0	0.0	0.0	1.6	0.0	0.0	1.6	1.6	1.6	1.6
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°	178°	180°
0°	4673.0	4673.0	4673.0	4673.0	4673.0	4673.0	4673.0	4673.0	4673.0	4673.0	4673.0
2.5°	4234.8	4231.7	4318.7	4388.3	4470.5	4535.4	4598.7	4658.8	4682.5	4680.9	4682.5
5°	3676.4	3731.8	3845.7	3958.0	4090.9	4215.8	4332.9	4410.4	4459.5	4459.5	4464.2
7.5°	3116.4	3205.0	3345.8	3524.5	3723.9	3886.8	4084.5	4223.7	4334.5	4331.3	4351.9
10°	2516.8	2586.5	2727.2	2918.7	3138.5	3326.8	3499.2	3628.9	3736.5	3730.2	3757.1
12.5°	2067.6	2116.6	2238.4	2412.4	2613.3	2795.3	2964.5	3065.8	3141.7	3140.1	3154.4
15°	1803.4	1854.0	1933.1	2053.3	2219.4	2380.8	2550.1	2641.8	2684.5	2679.8	2703.5
17.5°	1695.8	1716.4	1765.4	1846.1	1966.3	2097.6	2232.1	2311.2	2360.2	2353.9	2371.3
20°	1580.3	1599.3	1632.6	1692.7	1778.1	1877.7	1991.6	2078.7	2115.0	2113.5	2124.5
22.5°	1447.5	1457.0	1493.3	1540.8	1602.5	1683.2	1770.2	1849.3	1885.7	1884.1	1895.2
25°	1355.7	1371.5	1393.7	1422.2	1464.9	1528.1	1600.9	1656.3	1689.5	1686.3	1700.6
27.5°	990.3	1006.1	1017.2	1034.6	1036.2	1088.4	1113.7	1159.6	1189.6	1188.0	1197.5
30°	870.1	873.2	882.7	906.4	920.7	961.8	1012.4	1047.2	1072.5	1082.0	1088.4
32.5°	794.1	803.6	814.7	825.8	843.2	868.5	908.0	939.7	966.6	971.3	982.4
35°	707.1	713.4	721.4	732.4	743.5	764.1	794.1	819.4	840.0	847.9	854.2
37.5°	645.4	647.0	654.9	667.6	677.1	694.5	721.4	740.3	760.9	762.5	768.8
40°	604.3	605.9	613.8	624.9	635.9	647.0	670.7	688.1	702.4	704.0	708.7
42.5°	556.8	561.6	564.7	569.5	577.4	586.9	607.5	617.0	626.4	628.0	634.4
45°	492.0	493.6	496.7	501.5	511.0	520.5	534.7	545.8	552.1	552.1	550.5
47.5°	455.6	457.2	457.2	463.5	471.4	480.9	493.6	503.1	506.2	506.2	506.2
50°	442.9	442.9	439.8	444.5	452.4	458.8	471.4	479.3	480.9	482.5	484.1
52.5°	452.4	449.3	439.8	444.5	452.4	458.8	471.4	474.6	474.6	477.7	479.3
55°	504.6	499.9	480.9	484.1	493.6	501.5	511.0	512.5	515.7	520.5	518.9
57.5°	537.9	541.0	518.9	523.6	541.0	547.3	558.4	556.8	563.2	569.5	571.1
60°	506.2	515.7	498.3	504.6	525.2	528.4	539.4	533.1	542.6	542.6	542.6
62.5°	430.3	433.4	424.0	433.4	452.4	452.4	460.3	455.6	458.8	455.6	457.2
65°	376.5	374.9	363.8	376.5	382.8	386.0	392.3	393.9	393.9	390.7	390.7
67.5°	343.3	340.1	330.6	333.8	340.1	341.7	351.2	352.8	351.2	351.2	352.8
70°	313.2	308.5	299.0	300.6	305.3	306.9	314.8	318.0	316.4	314.8	316.4
72.5°	283.2	278.4	268.9	268.9	273.7	276.8	283.2	286.3	283.2	283.2	284.7
75°	254.7	249.9	240.5	240.5	243.6	245.2	253.1	254.7	253.1	251.5	253.1
77.5°	229.4	226.2	216.7	216.7	218.3	219.9	224.6	226.2	224.6	223.1	224.6
80°	205.7	200.9	194.6	193.0	194.6	194.6	199.3	200.9	197.7	197.7	199.3
82.5°	183.5	178.8	172.4	172.4	170.8	172.4	175.6	177.2	175.6	174.0	175.6
85°	162.9	159.8	153.4	151.9	151.9	151.9	155.0	155.0	153.4	153.4	153.4
87.5°	144.0	140.8	134.5	134.5	132.9	134.5	136.0	136.0	134.5	134.5	134.5
90°	125.0	121.8	117.1	117.1	115.5	117.1	118.6	118.6	117.1	117.1	117.1
92.5°	110.7	109.2	104.4	104.4	102.8	104.4	104.4	104.4	102.8	102.8	102.8
95°	98.1	96.5	93.3	91.8	91.8	91.8	91.8	91.8	90.2	90.2	90.2
97.5°	85.4	83.8	80.7	80.7	79.1	80.7	80.7	80.7	79.1	79.1	79.1
100°	74.4	72.8	71.2	71.2	69.6	69.6	69.6	69.6	69.6	69.6	69.6
102.5°	61.7	61.7	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
105°	55.4	55.4	55.4	55.4	56.9	56.9	56.9	55.4	55.4	55.4	55.4
107.5°	52.2	52.2	52.2	53.8	53.8	53.8	55.4	52.2	50.6	50.6	50.6
110°	50.6	50.6	52.2	52.2	53.8	53.8	55.4	49.0	47.5	47.5	47.5



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CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	178°	180°
112.5°	52.2	52.2	52.2	53.8	55.4	55.4	56.9	49.0	47.5	47.5	47.5
115°	55.4	55.4	55.4	56.9	58.5	60.1	60.1	52.2	49.0	49.0	50.6
117.5°	60.1	60.1	60.1	61.7	64.9	64.9	64.9	55.4	53.8	53.8	53.8
120°	66.4	68.0	68.0	69.6	72.8	74.4	71.2	63.3	53.8	58.5	58.5
122.5°	75.9	77.5	79.1	80.7	85.4	85.4	80.7	72.8	58.5	64.9	66.4
125°	88.6	90.2	91.8	94.9	99.7	99.7	93.3	82.3	66.4	72.8	74.4
127.5°	101.2	104.4	106.0	110.7	117.1	117.1	109.2	94.9	74.4	79.1	80.7
130°	115.5	118.6	121.8	128.1	136.0	132.9	126.6	107.6	80.7	83.8	83.8
132.5°	128.1	132.9	134.5	144.0	151.9	148.7	140.8	115.5	83.8	83.8	82.3
135°	137.6	140.8	142.4	151.9	159.8	155.0	145.5	118.6	82.3	79.1	79.1
137.5°	144.0	147.1	148.7	155.0	161.4	153.4	140.8	112.3	79.1	77.5	75.9
140°	147.1	147.1	147.1	151.9	155.0	145.5	129.7	101.2	71.2	74.4	74.4
142.5°	144.0	142.4	140.8	144.0	145.5	134.5	120.2	90.2	64.9	68.0	68.0
145°	136.0	132.9	131.3	132.9	132.9	120.2	104.4	77.5	56.9	58.5	58.5
147.5°	125.0	120.2	117.1	117.1	115.5	102.8	88.6	64.9	49.0	47.5	47.5
150°	107.6	102.8	99.7	99.7	94.9	83.8	71.2	50.6	39.5	39.5	39.5
152.5°	88.6	83.8	80.7	80.7	75.9	64.9	53.8	38.0	30.1	30.1	30.1
155°	69.6	64.9	61.7	60.1	56.9	49.0	39.5	28.5	22.1	22.1	22.1
157.5°	52.2	49.0	45.9	44.3	41.1	36.4	28.5	20.6	14.2	15.8	15.8
160°	36.4	33.2	31.6	30.1	28.5	23.7	19.0	12.7	7.9	7.9	7.9
162.5°	22.1	20.6	20.6	19.0	17.4	15.8	11.1	6.3	3.2	3.2	3.2
165°	11.1	11.1	9.5	9.5	7.9	6.3	4.7	1.6	0.0	0.0	0.0
167.5°	3.2	3.2	3.2	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0
170°	1.6	1.6	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)