

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: INVUE

Report Number: P671686

Luminaire Tested: **CCP-SA-2C-740-U-SLL**

Issue Date: 04/16/2023

Test Information

Test Method: LM-79-08
Report Number: P671686
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2C-740-U-SLL
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @615mA w/ SLL
distribution lens
Light Source: (32) 4000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7502 lumens
Efficiency: N/A
Efficacy: 120.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G3

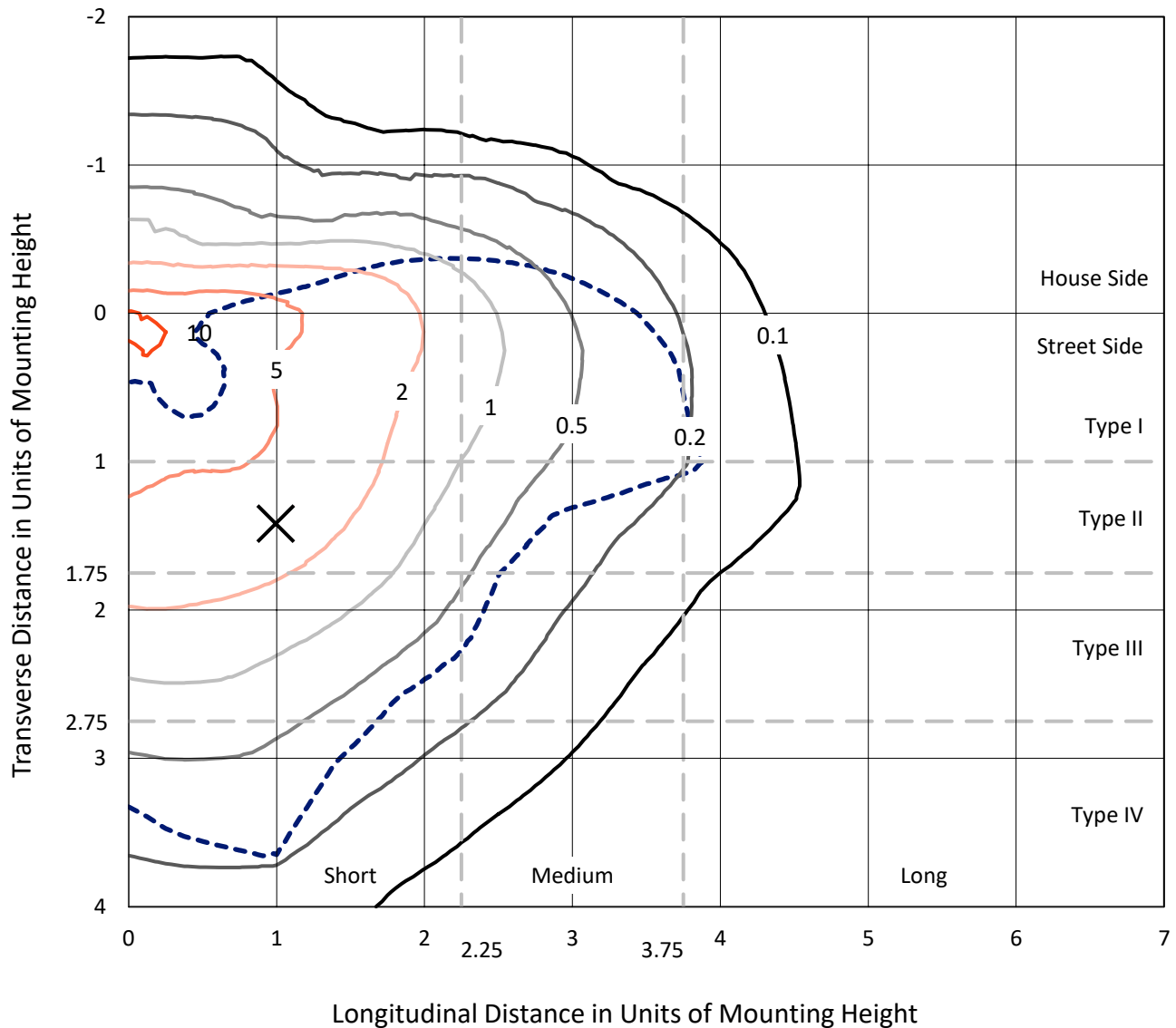
Input Watts (W): 62.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

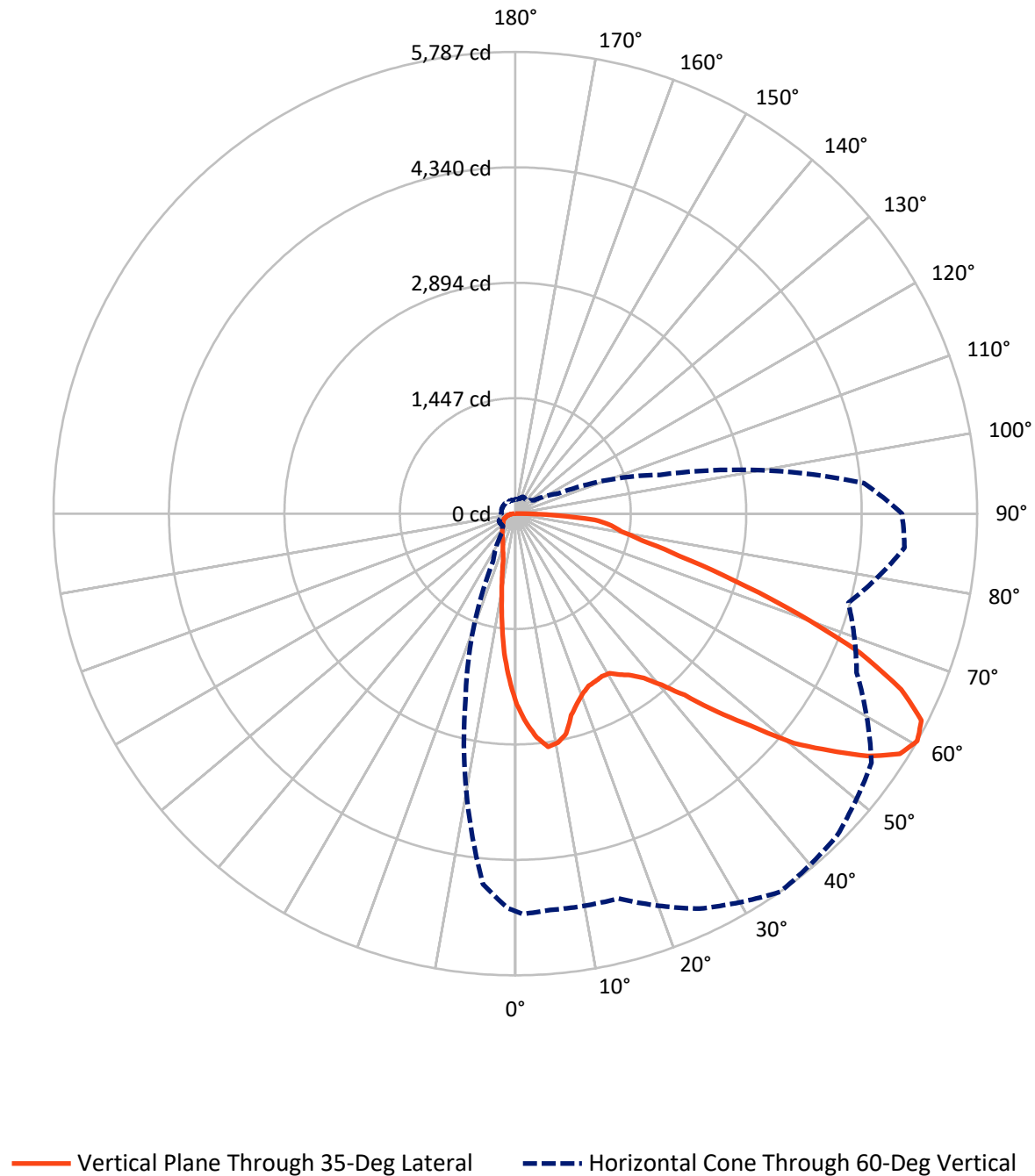


Based on 15 foot mounting height. Maximum calculated value = 12.1 fc

Type IV - Short - N/A

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Luminous Intensity Polar Plot



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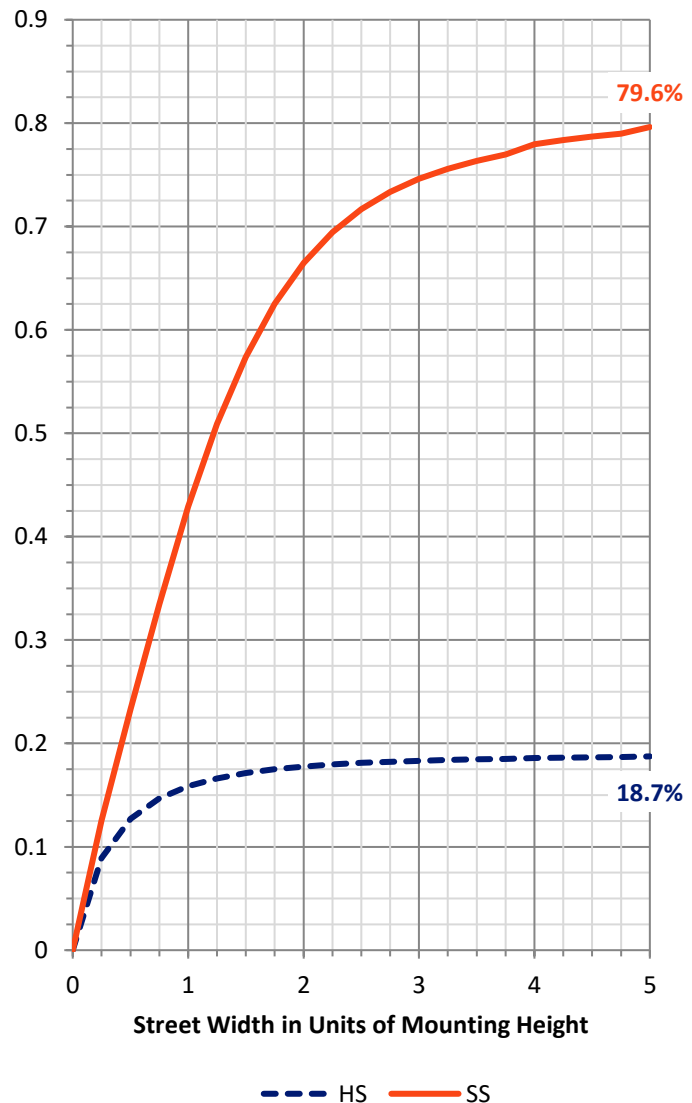
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1427.7	0.0	1427.7
	% Fixture	19.0	0.0	19.0
Street Side	Lumens	6074.3	0.0	6074.3
	% Fixture	81.0	0.0	81.0
Total	Lumens	7502.0	0.0	7502.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	186.1	2.5
10°-20°	393.0	5.2
20°-30°	575.0	7.7
30°-40°	810.2	10.8
40°-50°	1113.4	14.8
50°-60°	1517.5	20.2
60°-70°	1660.8	22.1
70°-80°	958.8	12.8
80°-90°	287.1	3.8
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	7502.0	100.0
0°-180°	7502.0	100.0

Coefficient of Utilization



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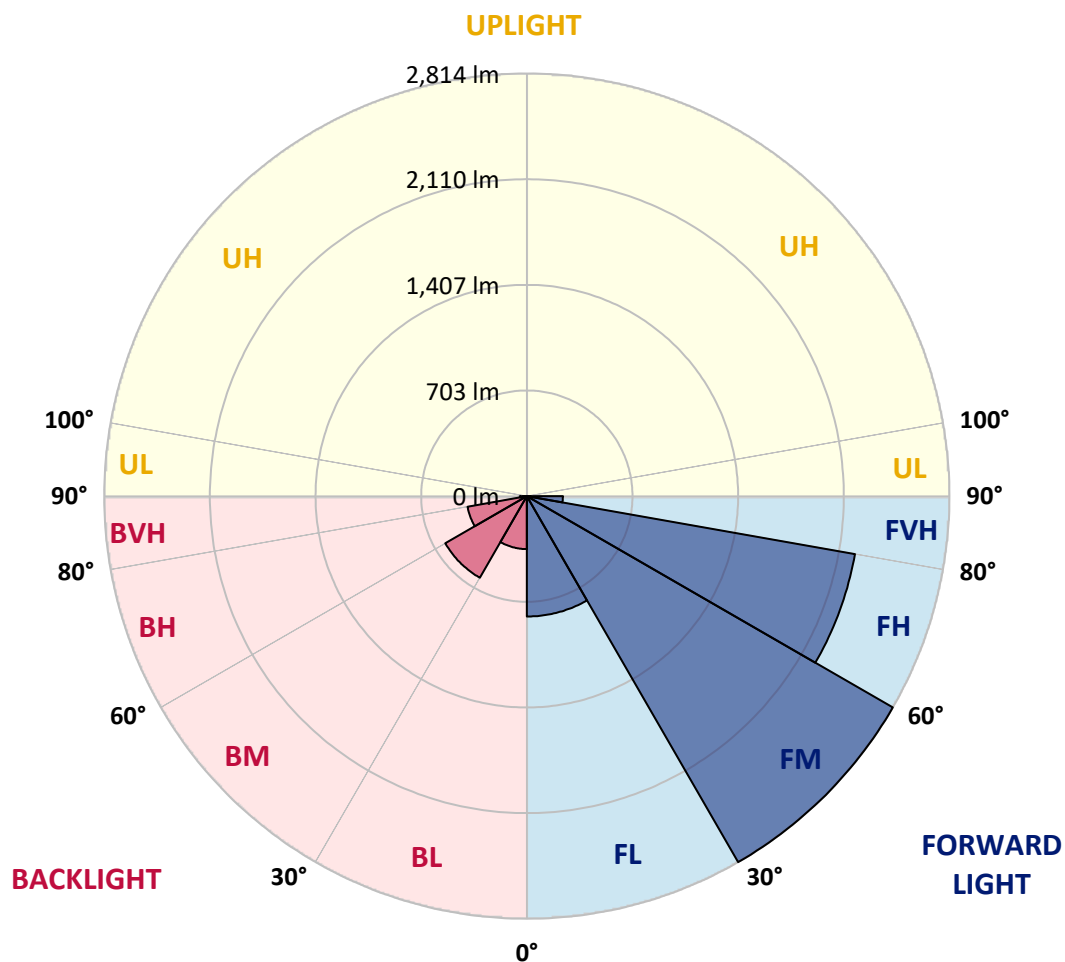
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	801.4	10.7			
FM	(30°-60°)	2813.9	37.5			
FH	(60°-80°)	2218.6	29.6			G2/5000
FVH	(80°-90°)	240.3	3.2			G3/500
BL	(0°-30°)	352.7	4.7	B1/500		
BM	(30°-60°)	627.2	8.4	B1/1000		
BH	(60°-80°)	401.0	5.3	B1/500		G1/500
BVH	(80°-90°)	46.8	0.6			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G3

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	2396.1	2396.1	2396.1	2396.1	2396.1	2396.1	2396.1	2396.1	2396.1	2396.1	2396.1
2.5°	2565.8	2555.8	2565.8	2602.4	2612.4	2629.0	2629.0	2605.8	2562.5	2542.5	2509.2
5°	2622.4	2605.8	2688.9	2765.5	2825.4	2818.7	2762.2	2715.6	2629.0	2499.3	2376.1
7.5°	2509.2	2525.9	2585.8	2785.5	2925.2	2951.9	2862.0	2768.8	2582.5	2402.7	2236.4
10°	2296.3	2319.6	2449.3	2655.7	2875.3	2918.6	2862.0	2748.9	2525.9	2302.9	2109.9
12.5°	2193.1	2246.3	2322.9	2572.5	2728.9	2832.0	2805.4	2732.2	2482.6	2219.7	2033.4
15°	2193.1	2206.4	2319.6	2529.2	2619.1	2622.4	2632.4	2645.7	2495.9	2256.3	2006.7
17.5°	2263.0	2299.6	2396.1	2525.9	2542.5	2502.6	2502.6	2559.2	2522.6	2359.5	2103.2
20°	2432.7	2419.4	2545.8	2599.1	2509.2	2409.4	2399.4	2495.9	2552.5	2469.3	2279.6
22.5°	2602.4	2662.3	2765.5	2645.7	2479.3	2346.2	2332.9	2452.7	2642.4	2659.0	2482.6
25°	2858.7	2918.6	2971.8	2825.4	2476.0	2329.5	2339.5	2432.7	2752.2	2928.6	2822.1
27.5°	3134.9	3171.5	3248.0	3021.7	2555.8	2309.6	2319.6	2459.3	2855.3	3104.9	3088.3
30°	3291.3	3331.2	3314.6	3058.3	2609.1	2322.9	2296.3	2495.9	2798.8	3104.9	3261.3
32.5°	3444.4	3421.1	3411.1	3118.2	2675.6	2406.1	2339.5	2572.5	2832.0	3154.9	3484.3
35°	3630.7	3597.5	3570.8	3234.7	2785.5	2485.9	2456.0	2672.3	2905.3	3258.0	3664.0
37.5°	3837.1	3837.1	3707.3	3321.3	2915.2	2615.7	2582.5	2815.4	3021.7	3321.3	3910.3
40°	4080.0	4090.0	3860.4	3437.7	3061.7	2822.1	2812.1	3001.8	3134.9	3414.4	4146.6
42.5°	4259.7	4266.4	3993.5	3481.0	3231.4	3108.3	3151.5	3301.3	3264.7	3497.6	4163.2
45°	4382.9	4349.6	4086.7	3604.1	3417.8	3537.6	3550.9	3594.1	3434.4	3547.5	4229.8
47.5°	4442.8	4436.1	4126.6	3747.2	3810.5	3973.5	4050.1	3990.2	3590.8	3494.3	4229.8
50°	4502.7	4446.1	4163.2	3943.6	4193.2	4522.6	4506.0	4396.2	3807.1	3560.9	4166.5
52.5°	4542.6	4492.7	4236.4	4119.9	4559.2	4932.0	4998.5	4795.5	4060.0	3684.0	4196.5
55°	4685.7	4645.8	4456.1	4359.6	4981.9	5364.6	5374.6	5091.7	4326.3	3887.0	4392.8
57.5°	4858.7	4882.0	4758.9	4699.0	5304.7	5680.7	5644.1	5311.3	4552.6	4133.3	4619.1
60°	4981.9	5018.5	4988.5	4995.2	5464.4	5787.2	5704.0	5447.8	4719.0	4319.6	4895.4
62.5°	4915.3	4988.5	5111.7	5085.0	5471.1	5710.7	5594.2	5268.1	4738.9	4562.6	5105.0
65°	4732.3	4738.9	4978.5	5125.0	5171.6	5314.7	5161.6	4892.0	4532.6	4712.3	5075.1
67.5°	4263.0	4316.3	4532.6	4818.8	4622.5	4655.7	4642.4	4253.1	4219.8	4609.2	4845.4
70°	3763.9	3800.5	4036.8	4372.9	3903.6	3747.2	3777.2	3487.6	3624.1	4289.7	4382.9
72.5°	3111.6	3134.9	3404.4	3700.6	3131.6	2852.0	2921.9	2685.6	2878.6	3753.9	3697.3
75°	2349.5	2392.8	2602.4	2951.9	2306.2	2126.5	2196.4	2099.9	2279.6	3091.6	2868.7
77.5°	1670.6	1637.3	1896.9	2309.6	1733.8	1627.3	1634.0	1650.6	1843.7	2605.8	2060.0
80°	1138.1	1148.1	1381.1	1693.9	1361.1	1344.5	1327.8	1461.0	1547.5	2063.3	1497.6
82.5°	675.6	675.6	931.8	1204.7	1074.9	1211.4	1134.8	1254.6	1211.4	1517.5	981.7
85°	316.2	316.2	479.2	868.6	832.0	998.4	848.6	948.5	895.2	1058.3	442.6
87.5°	53.2	46.6	96.5	426.0	342.8	389.4	153.1	505.8	562.4	738.8	109.8
90°	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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2396.1	2396.1	2396.1	2396.1	2396.1	2396.1	2396.1	2396.1	2396.1	2396.1	2396.1
2.5°	2472.6	2449.3	2402.7	2342.8	2292.9	2229.7	2209.7	2166.5	2106.6	2099.9	2073.3
5°	2329.5	2249.7	2149.8	2026.7	1943.5	1857.0	1783.8	1740.5	1690.6	1683.9	1670.6
7.5°	2173.1	2073.3	1906.9	1760.5	1617.4	1480.9	1414.4	1331.2	1274.6	1231.3	1211.4
10°	2026.7	1933.5	1727.2	1527.5	1401.0	1311.2	1231.3	1144.8	1074.9	1021.7	1001.7
12.5°	1930.2	1820.4	1597.4	1407.7	1314.5	1211.4	1121.5	1028.3	938.5	868.6	832.0
15°	1886.9	1783.8	1557.5	1347.8	1211.4	1068.3	965.1	871.9	762.1	712.2	695.5
17.5°	1990.1	1837.0	1544.1	1277.9	1084.9	921.8	795.4	695.5	615.7	565.7	545.8
20°	2123.2	1933.5	1567.4	1194.7	965.1	782.1	642.3	535.8	482.5	445.9	442.6
22.5°	2292.9	2076.6	1604.1	1134.8	832.0	629.0	502.5	439.3	402.7	399.3	392.7
25°	2595.8	2336.2	1664.0	1054.9	725.5	519.2	429.3	392.7	376.1	366.1	372.7
27.5°	2855.3	2505.9	1707.2	1005.0	682.2	489.2	416.0	376.1	359.4	356.1	359.4
30°	3008.4	2662.3	1693.9	911.8	595.7	465.9	442.6	429.3	396.0	369.4	369.4
32.5°	3148.2	2762.2	1690.6	828.6	509.2	389.4	369.4	359.4	379.4	392.7	382.7
35°	3341.2	2918.6	1680.6	782.1	472.6	359.4	326.1	299.5	286.2	279.5	289.5
37.5°	3547.5	3025.1	1654.0	775.4	452.6	342.8	316.2	289.5	276.2	269.6	266.2
40°	3773.8	3138.2	1624.0	742.1	442.6	332.8	306.2	282.9	266.2	256.2	252.9
42.5°	3920.3	3228.1	1594.1	725.5	422.6	326.1	296.2	276.2	259.6	246.3	246.3
45°	4003.5	3334.6	1564.1	708.8	399.3	329.5	296.2	269.6	249.6	242.9	236.3
47.5°	4040.1	3414.4	1554.1	682.2	379.4	316.2	289.5	262.9	242.9	229.6	226.3
50°	4136.6	3584.2	1590.7	662.3	356.1	302.8	306.2	259.6	239.6	223.0	219.6
52.5°	4193.2	3720.6	1670.6	632.3	339.4	286.2	299.5	252.9	229.6	213.0	213.0
55°	4399.5	3946.9	1757.1	609.0	319.5	262.9	276.2	239.6	213.0	203.0	203.0
57.5°	4662.4	4186.5	1830.3	599.0	306.2	246.3	246.3	233.0	203.0	189.7	186.4
60°	4845.4	4382.9	1873.6	592.4	292.9	229.6	219.6	233.0	193.0	179.7	176.4
62.5°	4865.4	4269.7	1830.3	589.0	289.5	213.0	199.7	223.0	183.0	169.7	163.1
65°	4738.9	4040.1	1710.5	575.7	286.2	196.3	186.4	193.0	169.7	159.7	153.1
67.5°	4486.0	3667.4	1537.5	569.1	282.9	183.0	169.7	166.4	156.4	146.4	139.8
70°	3897.0	3181.5	1334.5	539.1	276.2	173.1	153.1	149.8	139.8	133.1	129.8
72.5°	3271.3	2602.4	1101.5	499.2	262.9	156.4	139.8	133.1	129.8	119.8	116.5
75°	2505.9	2003.4	881.9	442.6	229.6	139.8	123.1	116.5	113.1	106.5	103.2
77.5°	1760.5	1490.9	652.3	359.4	193.0	126.5	109.8	103.2	99.8	89.9	89.9
80°	1194.7	1045.0	442.6	249.6	149.8	103.2	96.5	89.9	83.2	76.5	76.5
82.5°	742.1	732.1	319.5	163.1	109.8	83.2	76.5	76.5	66.6	59.9	59.9
85°	339.4	449.3	223.0	113.1	83.2	63.2	63.2	59.9	53.2	43.3	43.3
87.5°	106.5	149.8	116.5	49.9	46.6	36.6	36.6	33.3	33.3	26.6	26.6
90°	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):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	2396.1	2396.1	2396.1	2396.1	2396.1	2396.1	2396.1	2396.1	2396.1	2396.1	2396.1
2.5°	2099.9	2096.6	2096.6	2083.3	2116.5	2116.5	2136.5	2119.9	2129.9	2133.2	2159.8
5°	1667.3	1693.9	1713.9	1753.8	1777.1	1787.1	1787.1	1813.7	1803.7	1823.7	1863.6
7.5°	1221.3	1254.6	1314.5	1364.4	1404.4	1417.7	1414.4	1421.0	1431.0	1407.7	1414.4
10°	988.4	965.1	985.1	1031.7	1068.3	1111.5	1078.2	1074.9	1084.9	1074.9	1094.9
12.5°	825.3	798.7	782.1	782.1	808.7	828.6	818.7	835.3	871.9	881.9	905.2
15°	668.9	645.6	632.3	615.7	642.3	648.9	658.9	682.2	708.8	722.2	748.8
17.5°	535.8	535.8	535.8	522.5	532.5	542.4	545.8	575.7	579.1	592.4	602.4
20°	439.3	449.3	465.9	472.6	482.5	482.5	475.9	492.5	479.2	489.2	495.9
22.5°	396.0	409.3	416.0	419.3	432.6	436.0	419.3	422.6	426.0	416.0	419.3
25°	372.7	379.4	372.7	376.1	379.4	372.7	376.1	382.7	379.4	386.0	382.7
27.5°	362.7	356.1	352.8	349.4	349.4	342.8	346.1	346.1	352.8	356.1	356.1
30°	362.7	352.8	339.4	329.5	329.5	319.5	326.1	332.8	336.1	342.8	342.8
32.5°	372.7	352.8	329.5	319.5	309.5	302.8	309.5	319.5	332.8	336.1	339.4
35°	296.2	306.2	302.8	289.5	286.2	286.2	282.9	282.9	272.9	272.9	269.6
37.5°	266.2	262.9	269.6	272.9	276.2	266.2	266.2	252.9	249.6	252.9	252.9
40°	249.6	249.6	249.6	259.6	262.9	256.2	246.3	239.6	239.6	239.6	242.9
42.5°	242.9	236.3	233.0	239.6	249.6	242.9	233.0	229.6	229.6	233.0	233.0
45°	233.0	229.6	226.3	223.0	236.3	226.3	223.0	219.6	219.6	219.6	223.0
47.5°	223.0	219.6	213.0	213.0	216.3	213.0	209.7	209.7	209.7	216.3	216.3
50°	216.3	213.0	206.3	206.3	206.3	206.3	203.0	203.0	203.0	206.3	209.7
52.5°	206.3	203.0	199.7	196.3	196.3	196.3	196.3	196.3	196.3	199.7	203.0
55°	196.3	193.0	189.7	189.7	193.0	193.0	189.7	193.0	189.7	193.0	196.3
57.5°	186.4	183.0	179.7	183.0	186.4	183.0	183.0	183.0	183.0	183.0	186.4
60°	173.1	173.1	173.1	173.1	179.7	179.7	179.7	179.7	173.1	176.4	179.7
62.5°	166.4	163.1	163.1	166.4	169.7	169.7	173.1	169.7	166.4	169.7	169.7
65°	153.1	153.1	153.1	156.4	156.4	159.7	159.7	159.7	156.4	159.7	159.7
67.5°	143.1	143.1	143.1	143.1	149.8	149.8	149.8	149.8	146.4	146.4	149.8
70°	126.5	129.8	126.5	133.1	139.8	136.4	139.8	139.8	136.4	133.1	139.8
72.5°	116.5	116.5	116.5	116.5	126.5	126.5	126.5	129.8	126.5	123.1	126.5
75°	103.2	103.2	103.2	106.5	113.1	113.1	113.1	113.1	113.1	109.8	109.8
77.5°	89.9	93.2	89.9	93.2	99.8	96.5	99.8	103.2	99.8	96.5	96.5
80°	76.5	76.5	76.5	79.9	83.2	83.2	83.2	86.5	83.2	79.9	79.9
82.5°	59.9	59.9	63.2	63.2	66.6	66.6	66.6	69.9	66.6	63.2	63.2
85°	46.6	46.6	46.6	49.9	49.9	53.2	53.2	56.6	56.6	53.2	53.2
87.5°	30.0	26.6	30.0	30.0	33.3	33.3	30.0	26.6	30.0	26.6	23.3
90°	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):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	2396.1	2396.1	2396.1	2396.1	2396.1	2396.1	2396.1	2396.1	2396.1	2396.1
2.5°	2186.4	2246.3	2289.6	2319.6	2362.8	2446.0	2479.3	2539.2	2555.8	2565.8
5°	1880.3	1943.5	2036.7	2103.2	2179.8	2336.2	2456.0	2545.8	2585.8	2622.4
7.5°	1474.3	1557.5	1654.0	1740.5	1867.0	2060.0	2216.4	2402.7	2472.6	2509.2
10°	1151.5	1228.0	1334.5	1441.0	1617.4	1780.4	2003.4	2173.1	2269.6	2296.3
12.5°	971.7	1061.6	1188.1	1317.9	1427.7	1614.0	1840.3	2086.6	2176.5	2193.1
15°	825.3	948.5	1078.2	1211.4	1337.8	1500.9	1743.8	2043.3	2176.5	2193.1
17.5°	682.2	792.0	945.1	1088.2	1234.7	1457.6	1760.5	2079.9	2213.1	2263.0
20°	542.4	648.9	768.7	948.5	1148.1	1384.4	1797.1	2203.1	2379.5	2432.7
22.5°	449.3	495.9	612.3	785.4	1021.7	1334.5	1833.7	2396.1	2582.5	2602.4
25°	392.7	426.0	499.2	662.3	921.8	1301.2	1920.2	2619.1	2858.7	2858.7
27.5°	366.1	379.4	429.3	575.7	851.9	1271.3	2006.7	2865.3	3088.3	3134.9
30°	359.4	392.7	419.3	512.5	775.4	1188.1	2086.6	3058.3	3288.0	3291.3
32.5°	352.8	346.1	366.1	445.9	682.2	1101.5	2153.2	3254.7	3434.4	3444.4
35°	276.2	289.5	322.8	392.7	612.3	1038.3	2186.4	3361.2	3620.8	3630.7
37.5°	259.6	276.2	302.8	362.7	565.7	985.1	2196.4	3567.5	3817.1	3837.1
40°	252.9	266.2	286.2	336.1	529.1	918.5	2216.4	3780.5	4106.6	4080.0
42.5°	239.6	256.2	276.2	322.8	499.2	868.6	2219.7	3897.0	4259.7	4259.7
45°	236.3	246.3	269.6	322.8	465.9	825.3	2166.5	4013.5	4436.1	4382.9
47.5°	223.0	242.9	262.9	312.8	426.0	782.1	2103.2	4073.4	4459.4	4442.8
50°	219.6	239.6	272.9	296.2	402.7	762.1	2089.9	4223.1	4506.0	4502.7
52.5°	213.0	233.0	282.9	282.9	372.7	735.5	2153.2	4289.7	4516.0	4542.6
55°	203.0	233.0	262.9	259.6	346.1	702.2	2223.0	4462.7	4692.3	4685.7
57.5°	196.3	226.3	249.6	236.3	316.2	678.9	2326.2	4629.1	4905.3	4858.7
60°	186.4	226.3	223.0	219.6	292.9	658.9	2412.7	4662.4	4951.9	4981.9
62.5°	179.7	236.3	196.3	203.0	272.9	648.9	2376.1	4412.8	4888.7	4915.3
65°	173.1	203.0	179.7	186.4	266.2	629.0	2233.0	4113.3	4615.8	4732.3
67.5°	159.7	166.4	166.4	173.1	259.6	582.4	1940.2	3574.2	4199.8	4263.0
70°	146.4	149.8	149.8	159.7	252.9	529.1	1600.7	3091.6	3644.1	3763.9
72.5°	133.1	133.1	133.1	146.4	233.0	485.9	1317.9	2376.1	3028.4	3111.6
75°	116.5	116.5	116.5	129.8	209.7	442.6	1038.3	1767.1	2229.7	2349.5
77.5°	103.2	103.2	99.8	116.5	183.0	359.4	748.8	1248.0	1570.8	1670.6
80°	86.5	83.2	83.2	93.2	143.1	259.6	482.5	881.9	1094.9	1138.1
82.5°	69.9	66.6	63.2	69.9	103.2	163.1	299.5	615.7	702.2	675.6
85°	66.6	69.9	56.6	53.2	73.2	106.5	189.7	379.4	316.2	316.2
87.5°	26.6	23.3	23.3	20.0	36.6	39.9	83.2	69.9	53.2	53.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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