

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: P677279

Luminaire Tested: **CCW-SA-2C-735-U-SLL-HSS**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P677279
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-2C-735-U-SLL-HSS
Description: INVUE CLEAR CURVE Wall Pack MOUNT Light Square Luminaire @615mA w/
SLL distribution lens and House Side Shield
Light Source: (32) 3500K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

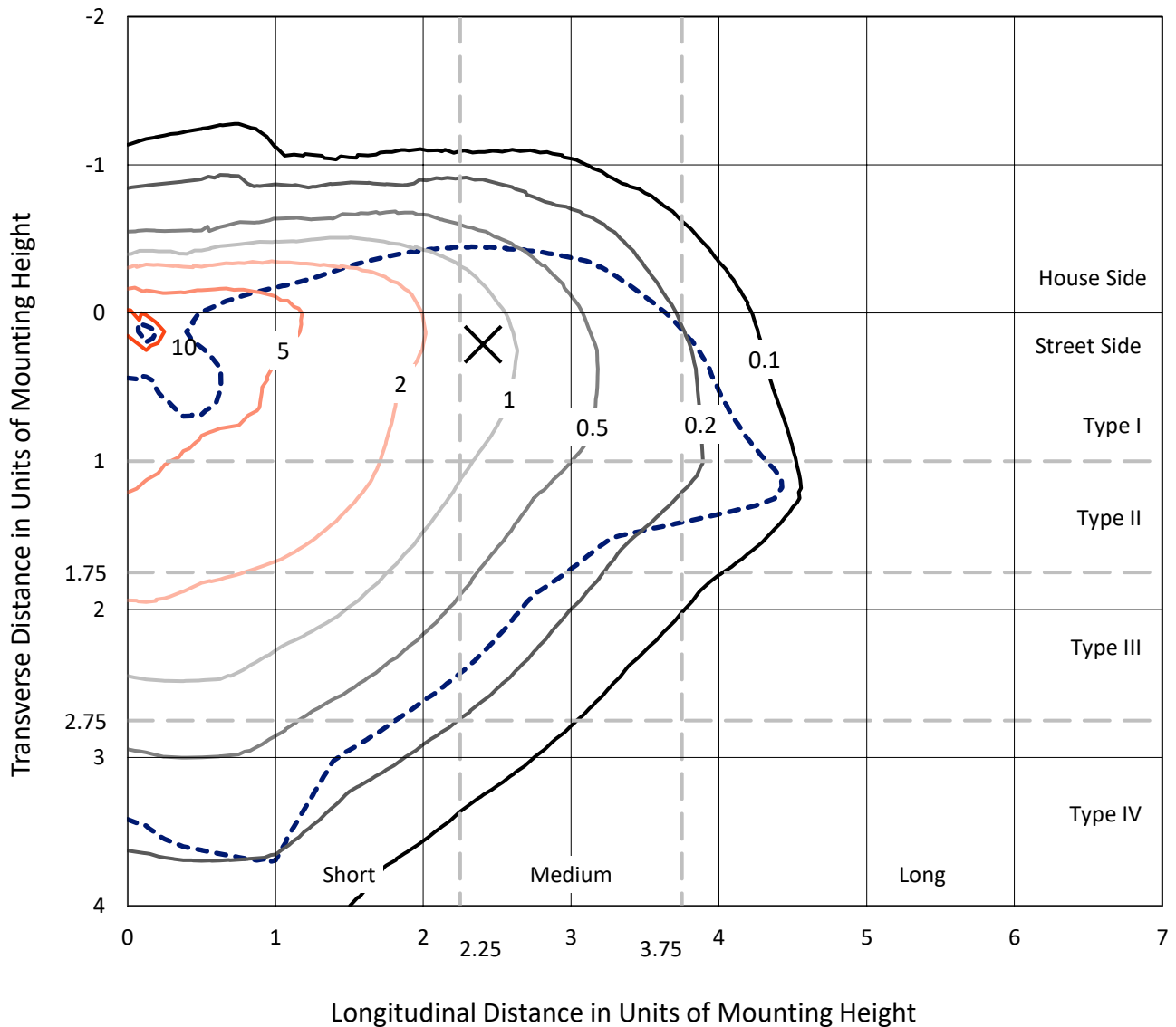
Lumens per Lamp: N/A
Luminaire Lumens: 6470.1 lumens
Efficiency: N/A
Efficacy: 104.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

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

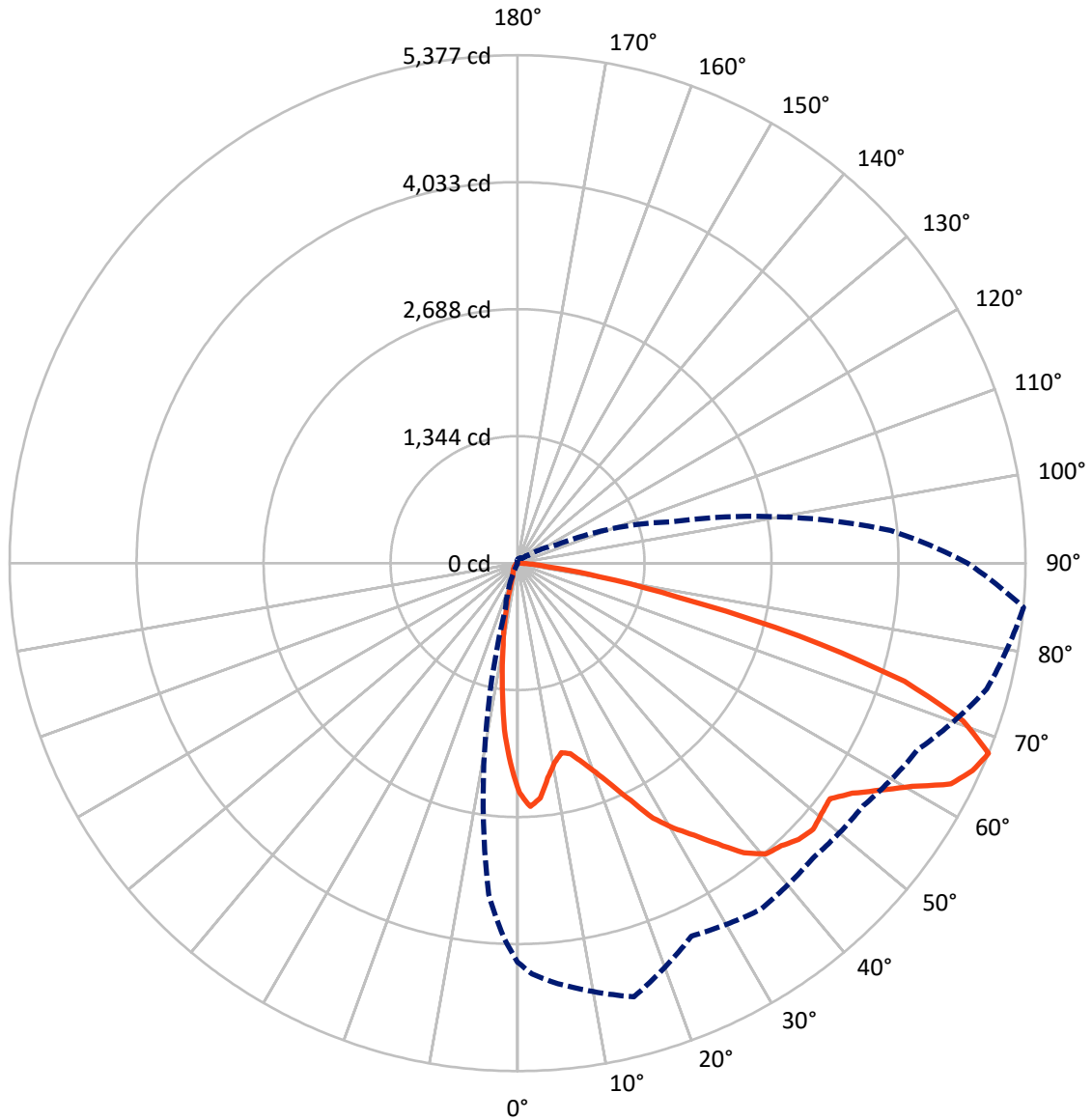
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 12.2 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 85-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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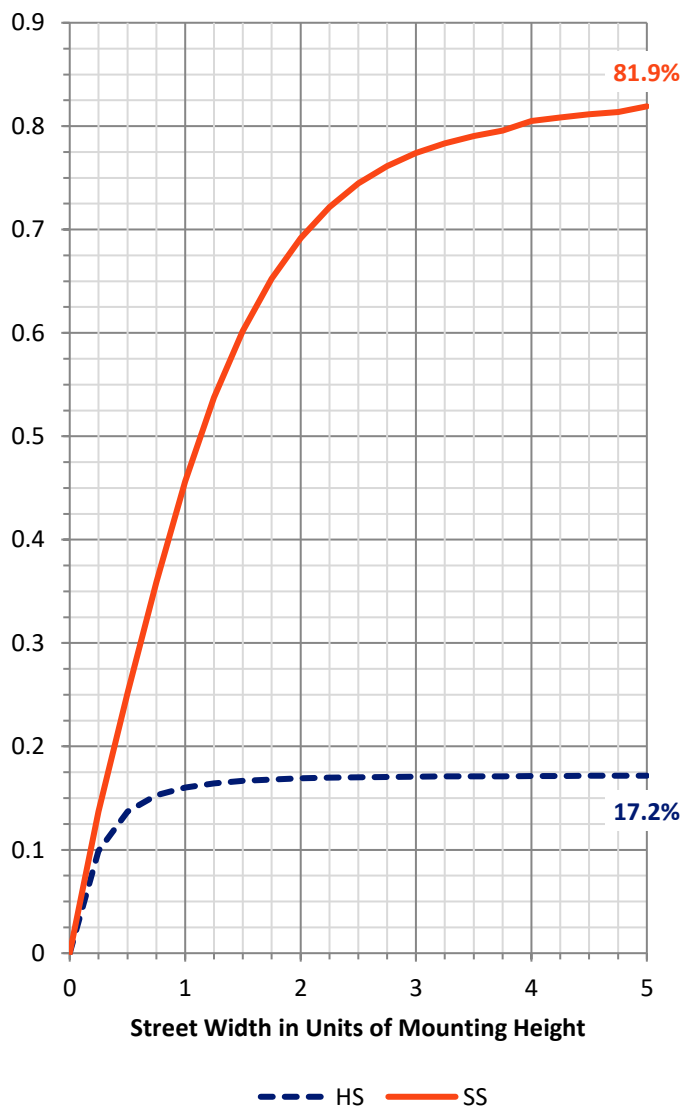
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1123.4	0.0	1123.4
	% Fixture	17.4	0.0	17.4
Street Side	Lumens	5346.7	0.0	5346.7
	% Fixture	82.6	0.0	82.6
Total	Lumens	6470.1	0.0	6470.1
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	184.8	2.9
10°-20°	362.4	5.6
20°-30°	501.5	7.8
30°-40°	708.8	11.0
40°-50°	965.0	14.9
50°-60°	1278.1	19.8
60°-70°	1484.0	22.9
70°-80°	840.4	13.0
80°-90°	145.2	2.2
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°	6470.1	100.0
0°-180°	6470.1	100.0



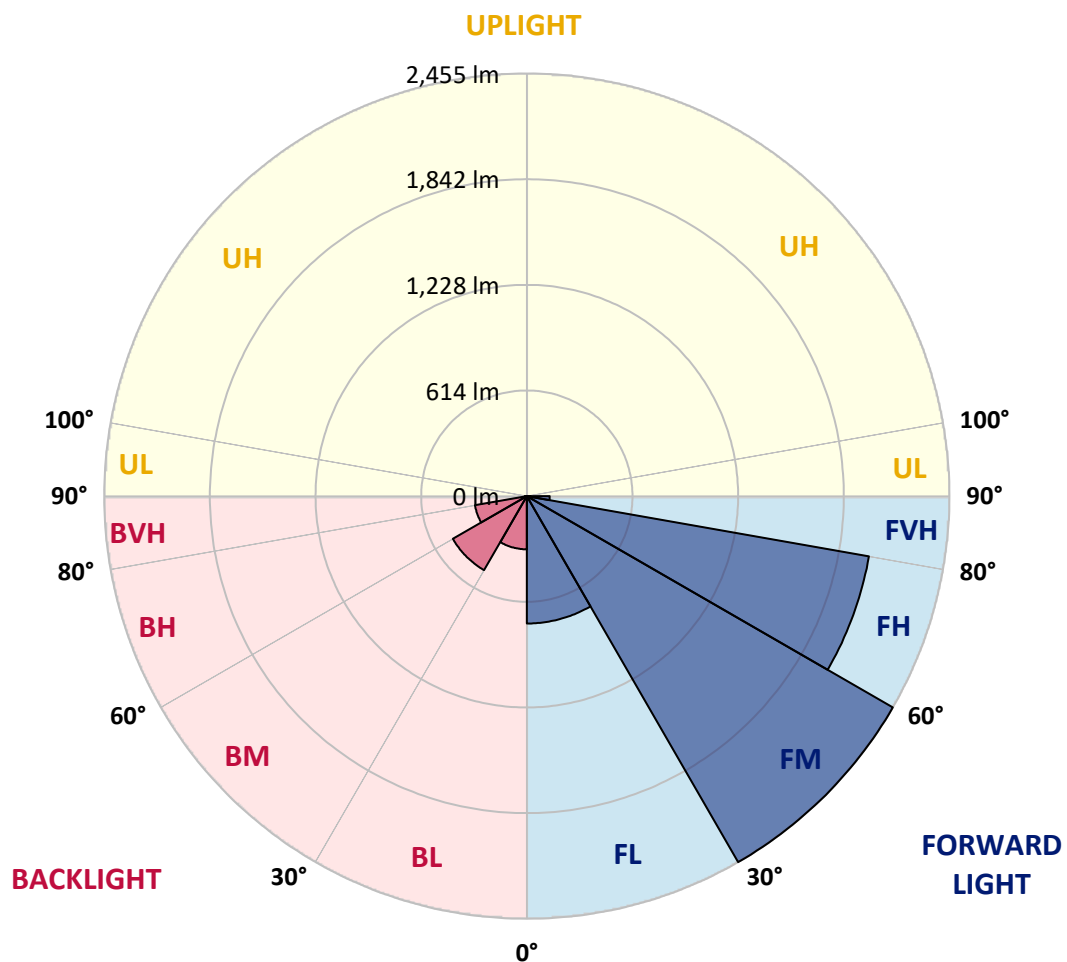
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	739.9	11.4			
FM (30°-60°)	2455.5	38.0			
FH (60°-80°)	2018.4	31.2			G2/5000
FVH (80°-90°)	133.0	2.1			G2/225
BL (0°-30°)	308.8	4.8	B1/500		
BM (30°-60°)	496.4	7.7	B1/1000		
BH (60°-80°)	306.0	4.7	B1/500		G1/500
BVH (80°-90°)	12.2	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	2°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	2432.7	2432.7	2432.7	2432.7	2432.7	2432.7	2432.7	2432.7	2432.7	2432.7	2432.7
2.5°	2527.7	2581.3	2583.0	2607.2	2631.4	2631.4	2688.4	2674.6	2624.5	2615.9	2579.6
5°	2546.8	2565.8	2579.6	2702.3	2805.9	2795.6	2826.7	2805.9	2709.2	2584.8	2500.1
7.5°	2382.6	2403.3	2458.6	2667.7	2807.6	2854.3	2913.0	2783.5	2681.5	2456.9	2294.5
10°	2164.9	2204.6	2306.6	2545.0	2717.8	2866.4	2866.4	2762.7	2565.8	2346.3	2147.6
12.5°	2044.0	2123.4	2178.7	2420.6	2645.2	2747.2	2743.7	2688.4	2560.6	2284.1	2059.5
15°	2064.7	2087.2	2204.6	2393.0	2541.6	2536.4	2598.6	2581.3	2491.5	2339.4	2092.3
17.5°	2159.7	2194.3	2296.2	2393.0	2463.8	2443.1	2441.4	2524.3	2529.5	2432.7	2215.0
20°	2315.2	2417.2	2465.5	2494.9	2408.5	2320.4	2310.0	2425.8	2515.7	2551.9	2361.9
22.5°	2564.0	2631.4	2729.9	2579.6	2355.0	2244.4	2223.7	2351.5	2532.9	2693.6	2551.9
25°	2807.6	2859.5	2954.5	2761.0	2415.4	2228.8	2192.6	2303.1	2598.6	2890.6	2781.7
27.5°	3065.1	3110.0	3120.4	2894.0	2448.3	2197.7	2154.5	2303.1	2653.9	2994.2	3056.4
30°	3222.3	3275.9	3286.2	3011.5	2501.8	2223.7	2202.9	2313.5	2691.9	3082.4	3253.4
32.5°	3398.5	3412.4	3403.7	3032.3	2560.6	2299.7	2213.3	2382.6	2735.1	3187.8	3433.1
35°	3609.3	3633.5	3545.4	3127.3	2691.9	2348.1	2317.0	2467.3	2809.4	3236.1	3650.8
37.5°	3770.0	3846.0	3647.3	3163.6	2717.8	2450.0	2455.2	2643.5	2861.2	3294.9	3891.0
40°	4072.4	3944.5	3820.1	3288.0	2816.3	2622.8	2595.1	2824.9	3035.7	3332.9	4048.2
42.5°	4238.2	4170.9	3887.5	3300.1	2968.3	2861.2	2868.1	3030.5	3127.3	3440.0	4091.4
45°	4279.7	4208.9	3979.1	3308.7	3118.6	3142.8	3262.1	3293.2	3262.1	3510.9	4172.6
47.5°	4385.1	4231.3	3968.7	3424.5	3362.3	3455.6	3607.6	3675.0	3445.2	3484.9	4210.6
50°	4364.4	4276.3	3946.3	3472.8	3659.4	3906.5	4008.5	3980.8	3649.1	3431.4	4169.1
52.5°	4278.0	4183.0	4015.4	3604.2	3937.6	4236.5	4378.2	4309.1	3830.5	3552.3	4141.5
55°	4404.1	4331.5	4105.2	3782.1	4146.7	4526.8	4627.0	4575.2	4053.4	3664.6	4298.7
57.5°	4540.6	4525.1	4348.8	3991.2	4393.7	4825.7	4825.7	4761.8	4246.9	3827.0	4532.0
60°	4737.6	4772.1	4528.5	4129.4	4478.4	4808.4	5058.9	4984.7	4442.1	4112.1	4796.3
62.5°	4673.6	4784.2	4760.0	4426.6	4575.2	4893.1	5029.6	5084.9	4684.0	4459.4	5148.8
65°	4468.0	4585.5	4758.3	4621.8	4502.6	4687.5	4756.6	4924.2	4805.0	4786.0	5293.9
67.5°	4222.7	4350.6	4457.7	4753.1	4355.7	4478.4	4417.9	4471.5	4673.6	5143.6	5376.9
70°	3687.1	3809.8	3979.1	4461.1	3967.0	3856.4	3840.9	3814.9	4129.4	5015.8	5000.2
72.5°	3032.3	3089.3	3369.2	3626.6	2935.5	2914.8	2939.0	2909.6	3274.1	4540.6	4283.2
75°	2270.3	2327.3	2486.3	2785.2	1999.0	1879.8	2018.0	2154.5	2500.1	3524.7	3077.2
77.5°	1707.0	1779.6	1879.8	2083.7	1466.9	1280.3	1299.3	1428.9	1807.3	2823.2	1724.3
80°	1107.5	1098.9	1292.4	1434.1	1104.1	1138.6	1090.2	1185.3	1309.7	1510.1	881.2
82.5°	639.3	647.9	729.1	822.4	768.9	879.4	634.1	1059.1	934.7	615.1	328.3
85°	359.4	374.9	449.2	570.2	482.1	323.1	264.4	525.2	587.4	252.3	159.0
87.5°	36.3	31.1	60.5	216.0	131.3	53.6	79.5	126.1	141.7	95.0	46.7
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°	2432.7	2432.7	2432.7	2432.7	2432.7	2432.7	2432.7	2432.7	2432.7	2432.7	2432.7
2.5°	2527.7	2527.7	2484.6	2412.0	2382.6	2330.8	2259.9	2282.4	2258.2	2170.1	2147.6
5°	2424.1	2341.1	2251.3	2140.7	2076.8	1945.5	1904.0	1829.7	1841.8	1767.5	1771.0
7.5°	2208.1	2142.4	1990.4	1845.3	1719.1	1605.1	1444.4	1384.0	1325.2	1295.8	1330.4
10°	2082.0	1959.3	1752.0	1561.9	1394.3	1292.4	1185.3	1102.3	1026.3	969.3	957.2
12.5°	1990.4	1881.6	1631.0	1399.5	1268.2	1185.3	1086.8	972.7	898.4	800.0	770.6
15°	1962.8	1829.7	1565.4	1335.6	1207.7	1071.2	958.9	846.6	749.9	646.2	609.9
17.5°	2057.8	1904.0	1563.6	1283.7	1104.1	957.2	801.7	675.6	577.1	482.1	459.6
20°	2218.5	1983.5	1613.7	1252.6	1005.6	808.6	632.4	506.2	395.7	333.5	317.9
22.5°	2401.6	2118.3	1618.9	1169.7	907.1	660.0	461.3	333.5	271.3	241.9	233.3
25°	2626.2	2334.2	1681.1	1102.3	791.3	501.1	328.3	255.7	219.4	202.2	198.7
27.5°	2811.1	2484.6	1748.5	1031.5	677.3	371.5	257.4	209.1	190.1	172.8	171.1
30°	3002.9	2657.3	1767.5	988.3	578.8	305.8	221.2	184.9	164.1	155.5	153.8
32.5°	3170.5	2845.7	1828.0	917.5	485.5	269.5	200.4	165.9	152.0	138.2	136.5
35°	3386.5	2954.5	1857.4	879.4	451.0	243.6	183.1	152.0	131.3	122.7	119.2
37.5°	3618.0	3059.9	1876.4	850.1	421.6	228.1	172.8	143.4	124.4	112.3	108.9
40°	3833.9	3208.5	1848.7	813.8	399.1	209.1	165.9	133.0	115.8	103.7	98.5
42.5°	3999.8	3353.6	1840.1	779.2	374.9	202.2	157.2	127.9	108.9	95.0	93.3
45°	4093.1	3452.1	1779.6	751.6	355.9	205.6	153.8	120.9	103.7	91.6	84.7
47.5°	4070.7	3528.1	1795.2	742.9	330.0	191.8	152.0	115.8	95.0	84.7	79.5
50°	4195.1	3681.9	1769.2	715.3	311.0	172.8	165.9	115.8	93.3	81.2	76.0
52.5°	4215.8	3821.9	1824.5	665.2	281.6	159.0	164.1	114.0	89.8	77.8	70.8
55°	4388.6	3984.3	1931.7	637.6	257.4	138.2	150.3	110.6	81.2	70.8	67.4
57.5°	4623.5	4321.2	2000.8	611.6	224.6	120.9	126.1	108.9	74.3	65.7	60.5
60°	4849.9	4455.9	2006.0	565.0	193.5	108.9	98.5	108.9	69.1	58.7	53.6
62.5°	5019.2	4455.9	1971.4	525.2	169.3	96.8	86.4	103.7	62.2	51.8	48.4
65°	4927.6	4336.7	1881.6	492.4	153.8	84.7	74.3	79.5	55.3	44.9	41.5
67.5°	4763.5	3965.3	1682.9	452.7	152.0	74.3	63.9	58.7	48.4	39.7	36.3
70°	4500.9	3464.2	1401.2	407.8	148.6	67.4	57.0	50.1	43.2	34.6	31.1
72.5°	3626.6	2861.2	1150.7	381.8	145.1	58.7	48.4	43.2	36.3	29.4	25.9
75°	2512.2	1828.0	886.4	326.6	141.7	53.6	44.9	38.0	31.1	24.2	22.5
77.5°	1506.6	1221.5	571.9	245.3	93.3	43.2	38.0	29.4	25.9	20.7	19.0
80°	704.9	577.1	231.5	95.0	44.9	31.1	25.9	22.5	20.7	17.3	15.6
82.5°	276.4	243.6	112.3	55.3	36.3	24.2	20.7	19.0	17.3	13.8	12.1
85°	148.6	131.3	53.6	38.0	25.9	17.3	17.3	15.6	13.8	12.1	10.4
87.5°	32.8	24.2	22.5	22.5	19.0	13.8	13.8	12.1	10.4	8.6	6.9
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°	2432.7	2432.7	2432.7	2432.7	2432.7	2432.7	2432.7	2432.7	2432.7	2432.7	2432.7
2.5°	2135.5	2161.5	2120.0	2145.9	2109.6	2137.3	2140.7	2114.8	2121.7	2156.3	2171.8
5°	1819.4	1802.1	1764.1	1752.0	1753.7	1731.2	1739.9	1752.0	1771.0	1781.3	1812.4
7.5°	1311.4	1351.1	1349.4	1378.8	1380.5	1377.0	1352.9	1301.0	1318.3	1304.5	1321.8
10°	938.2	955.5	988.3	1007.3	1041.9	1022.8	967.6	946.8	936.5	934.7	952.0
12.5°	749.9	708.4	704.9	711.8	729.1	706.7	679.0	654.8	666.9	691.1	710.1
15°	580.5	546.0	501.1	494.1	497.6	487.2	457.9	426.8	435.4	459.6	473.4
17.5°	445.8	406.0	374.9	354.2	347.3	311.0	267.8	241.9	235.0	233.3	245.3
20°	300.6	293.7	288.5	262.6	262.6	210.8	174.5	155.5	155.5	159.0	160.7
22.5°	224.6	216.0	217.7	212.5	198.7	157.2	138.2	133.0	133.0	136.5	136.5
25°	195.2	183.1	179.7	178.0	164.1	134.8	120.9	115.8	115.8	119.2	119.2
27.5°	165.9	162.4	157.2	150.3	138.2	115.8	107.1	101.9	103.7	105.4	103.7
30°	152.0	143.4	136.5	136.5	122.7	103.7	96.8	93.3	89.8	93.3	95.0
32.5°	134.8	129.6	126.1	120.9	105.4	91.6	84.7	81.2	79.5	79.5	81.2
35°	115.8	115.8	112.3	105.4	91.6	82.9	74.3	70.8	69.1	70.8	70.8
37.5°	103.7	98.5	100.2	93.3	81.2	72.6	63.9	60.5	60.5	58.7	60.5
40°	96.8	88.1	82.9	79.5	72.6	62.2	55.3	51.8	50.1	50.1	50.1
42.5°	86.4	79.5	69.1	67.4	65.7	53.6	44.9	43.2	41.5	39.7	39.7
45°	81.2	70.8	62.2	53.6	53.6	44.9	38.0	34.6	32.8	31.1	32.8
47.5°	74.3	63.9	53.6	44.9	43.2	36.3	29.4	25.9	24.2	24.2	24.2
50°	70.8	57.0	46.7	38.0	32.8	29.4	22.5	19.0	17.3	17.3	17.3
52.5°	65.7	53.6	41.5	32.8	25.9	22.5	17.3	13.8	12.1	12.1	12.1
55°	58.7	48.4	36.3	27.6	22.5	17.3	12.1	8.6	6.9	6.9	6.9
57.5°	55.3	43.2	31.1	24.2	17.3	12.1	6.9	5.2	5.2	3.5	5.2
60°	50.1	38.0	25.9	19.0	13.8	8.6	5.2	1.7	1.7	1.7	1.7
62.5°	43.2	32.8	22.5	15.6	10.4	5.2	1.7	0.0	0.0	0.0	0.0
65°	36.3	25.9	17.3	12.1	6.9	1.7	0.0	0.0	0.0	0.0	0.0
67.5°	31.1	22.5	13.8	8.6	5.2	0.0	0.0	0.0	0.0	0.0	0.0
70°	27.6	19.0	10.4	6.9	1.7	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	22.5	15.6	8.6	3.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	19.0	12.1	5.2	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	15.6	8.6	3.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	12.1	6.9	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	10.4	5.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	6.9	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	5.2	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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°	358°	360°
0°	2432.7	2432.7	2432.7	2432.7	2432.7	2432.7	2432.7	2432.7	2432.7	2432.7
2.5°	2194.3	2183.9	2235.7	2320.4	2363.6	2448.3	2469.0	2522.6	2508.7	2527.7
5°	1815.9	1836.6	1912.7	2037.1	2082.0	2204.6	2320.4	2436.2	2510.5	2546.8
7.5°	1347.7	1416.8	1510.1	1624.1	1739.9	1900.6	2097.5	2232.3	2304.9	2382.6
10°	1003.8	1078.1	1185.3	1297.6	1485.9	1665.6	1862.5	2030.1	2092.3	2164.9
12.5°	789.6	905.4	1029.8	1150.7	1263.0	1434.1	1677.7	1921.3	1988.7	2044.0
15°	549.4	691.1	869.1	1026.3	1183.5	1332.1	1584.4	1879.8	1971.4	2064.7
17.5°	304.1	416.4	620.3	841.4	1073.0	1301.0	1615.5	1955.8	2094.1	2159.7
20°	176.2	221.2	366.3	628.9	934.7	1233.6	1631.0	2099.3	2282.4	2315.2
22.5°	145.1	160.7	207.3	393.9	765.4	1190.4	1710.5	2299.7	2486.3	2564.0
25°	124.4	136.5	160.7	236.7	578.8	1098.9	1760.6	2550.2	2723.0	2807.6
27.5°	110.6	122.7	141.7	174.5	393.9	972.7	1843.5	2776.5	2949.3	3065.1
30°	96.8	107.1	126.1	148.6	273.0	831.1	1914.4	2942.4	3186.0	3222.3
32.5°	86.4	95.0	108.9	127.9	202.2	630.6	1971.4	3113.5	3319.1	3398.5
35°	74.3	84.7	93.3	108.9	153.8	475.1	1936.8	3246.5	3514.3	3609.3
37.5°	65.7	72.6	81.2	91.6	129.6	371.5	1866.0	3405.5	3681.9	3770.0
40°	55.3	60.5	70.8	81.2	117.5	286.8	1784.8	3597.2	3916.9	4072.4
42.5°	46.7	51.8	58.7	76.0	96.8	212.5	1620.7	3745.8	4106.9	4238.2
45°	36.3	43.2	53.6	76.0	77.8	157.2	1451.3	3856.4	4214.1	4279.7
47.5°	27.6	34.6	51.8	65.7	62.2	108.9	1250.9	3982.5	4324.6	4385.1
50°	20.7	27.6	58.7	57.0	51.8	82.9	1124.8	4070.7	4331.5	4364.4
52.5°	13.8	20.7	48.4	43.2	43.2	72.6	1090.2	4067.2	4348.8	4278.0
55°	10.4	15.6	27.6	31.1	38.0	63.9	1059.1	4196.8	4354.0	4404.1
57.5°	6.9	12.1	19.0	24.2	32.8	55.3	995.2	4352.3	4514.7	4540.6
60°	3.5	8.6	13.8	19.0	27.6	48.4	905.4	4466.3	4709.9	4737.6
62.5°	1.7	5.2	10.4	15.6	22.5	38.0	812.1	4284.9	4625.3	4673.6
65°	0.0	3.5	6.9	10.4	13.8	27.6	660.0	3868.5	4290.1	4468.0
67.5°	0.0	0.0	3.5	6.9	8.6	20.7	497.6	3519.5	3980.8	4222.7
70°	0.0	0.0	1.7	1.7	5.2	15.6	317.9	2914.8	3554.0	3687.1
72.5°	0.0	0.0	0.0	0.0	1.7	10.4	184.9	2164.9	2785.2	3032.3
75°	0.0	0.0	0.0	0.0	0.0	8.6	93.3	1392.6	1938.6	2270.3
77.5°	0.0	0.0	0.0	0.0	0.0	6.9	50.1	898.4	1428.9	1707.0
80°	0.0	0.0	0.0	0.0	0.0	1.7	29.4	521.8	914.0	1107.5
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	12.1	255.7	546.0	639.3
85°	0.0	0.0	0.0	0.0	0.0	0.0	3.5	136.5	273.0	359.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.2	19.0	36.3
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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