

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: P675839

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

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P675839
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
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @615mA w/
SLL distribution lens
Light Source: (32) 3500K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

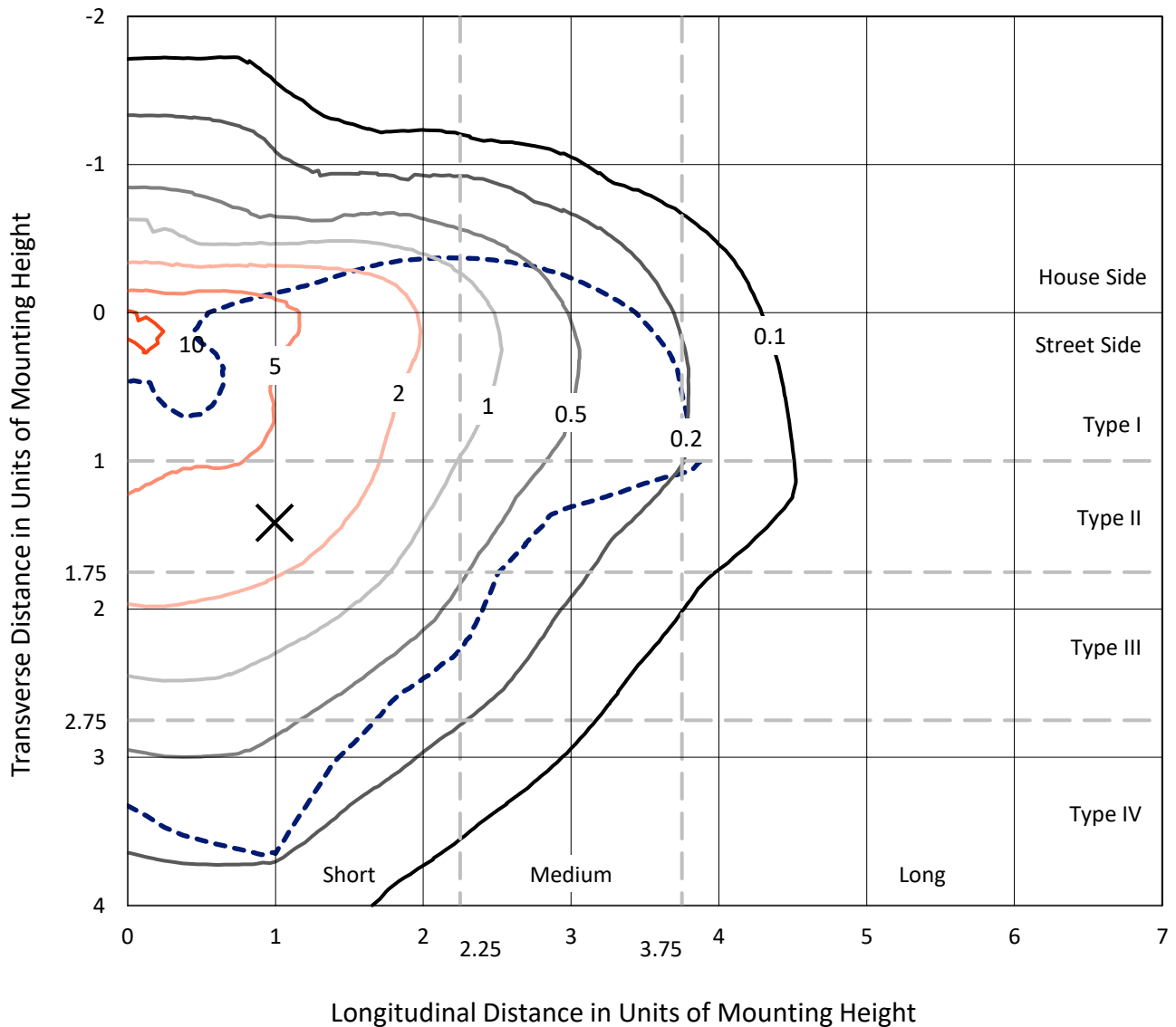
Lumens per Lamp: N/A
Luminaire Lumens: 7399.2 lumens
Efficiency: N/A
Efficacy: 119.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G3

Input Watts (W): 62.1
Input Voltage (V): 120
Input Current (A_{in}): 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

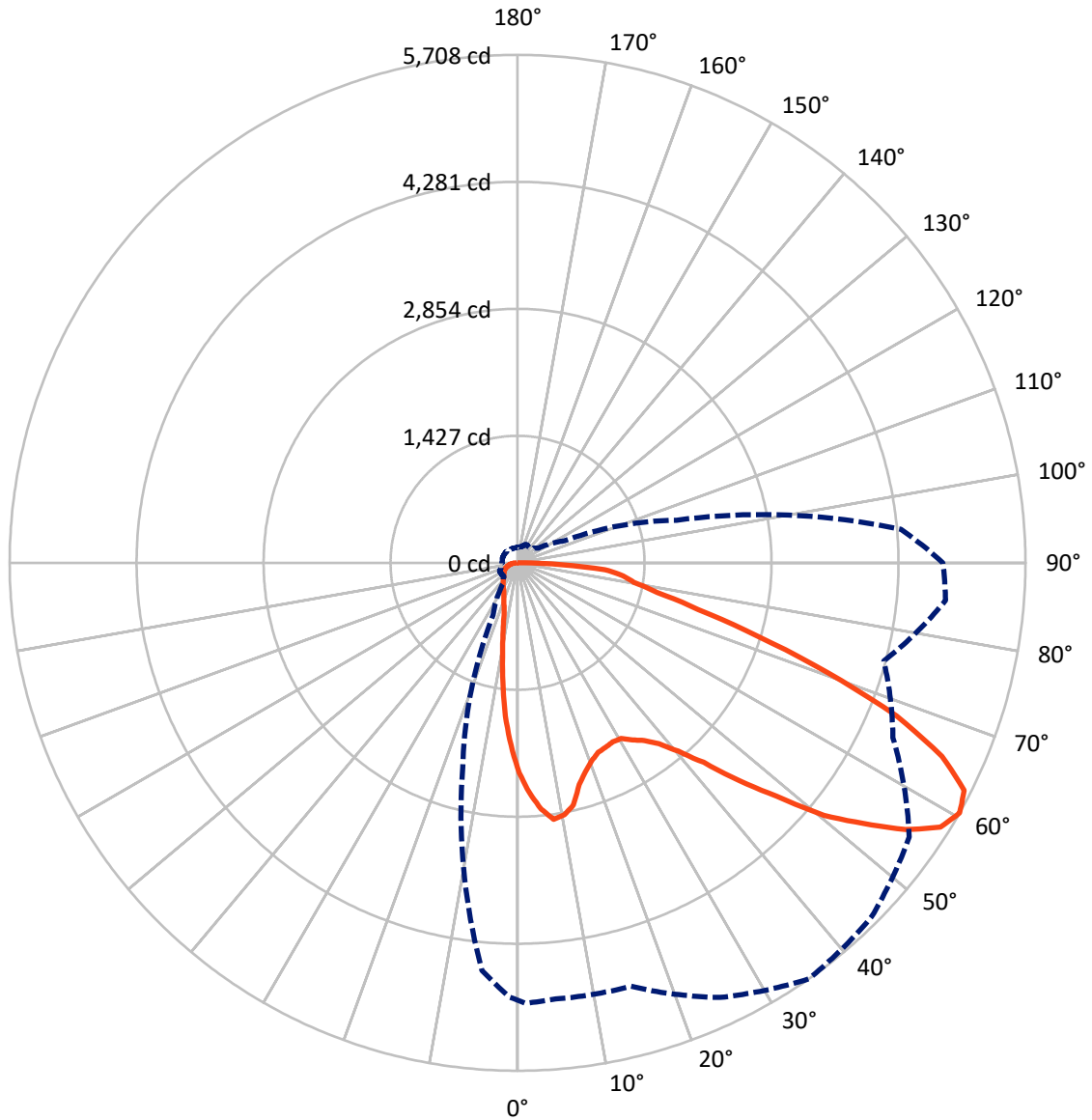
✕ Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 12 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 60-Deg Vertical

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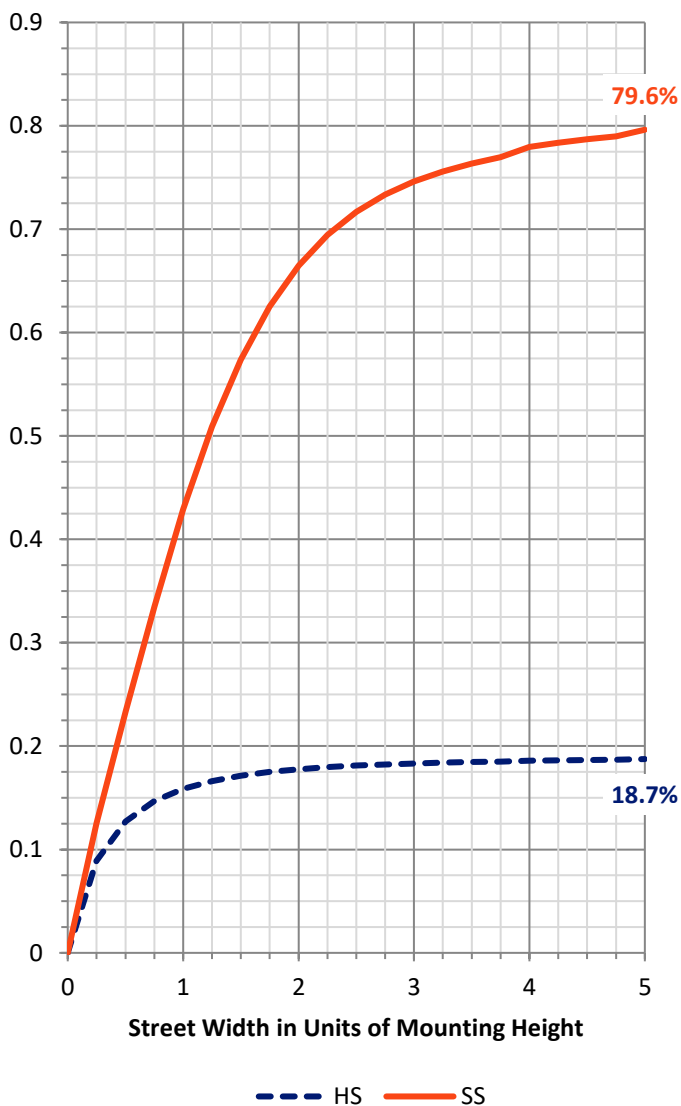
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1408.2	0.0	1408.2
	% Fixture	19.0	0.0	19.0
Street Side	Lumens	5991.0	0.0	5991.0
	% Fixture	81.0	0.0	81.0
Total	Lumens	7399.2	0.0	7399.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	183.6	2.5
10°-20°	387.6	5.2
20°-30°	567.1	7.7
30°-40°	799.1	10.8
40°-50°	1098.2	14.8
50°-60°	1496.7	20.2
60°-70°	1638.0	22.1
70°-80°	945.7	12.8
80°-90°	283.2	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°	7399.2	100.0
0°-180°	7399.2	100.0



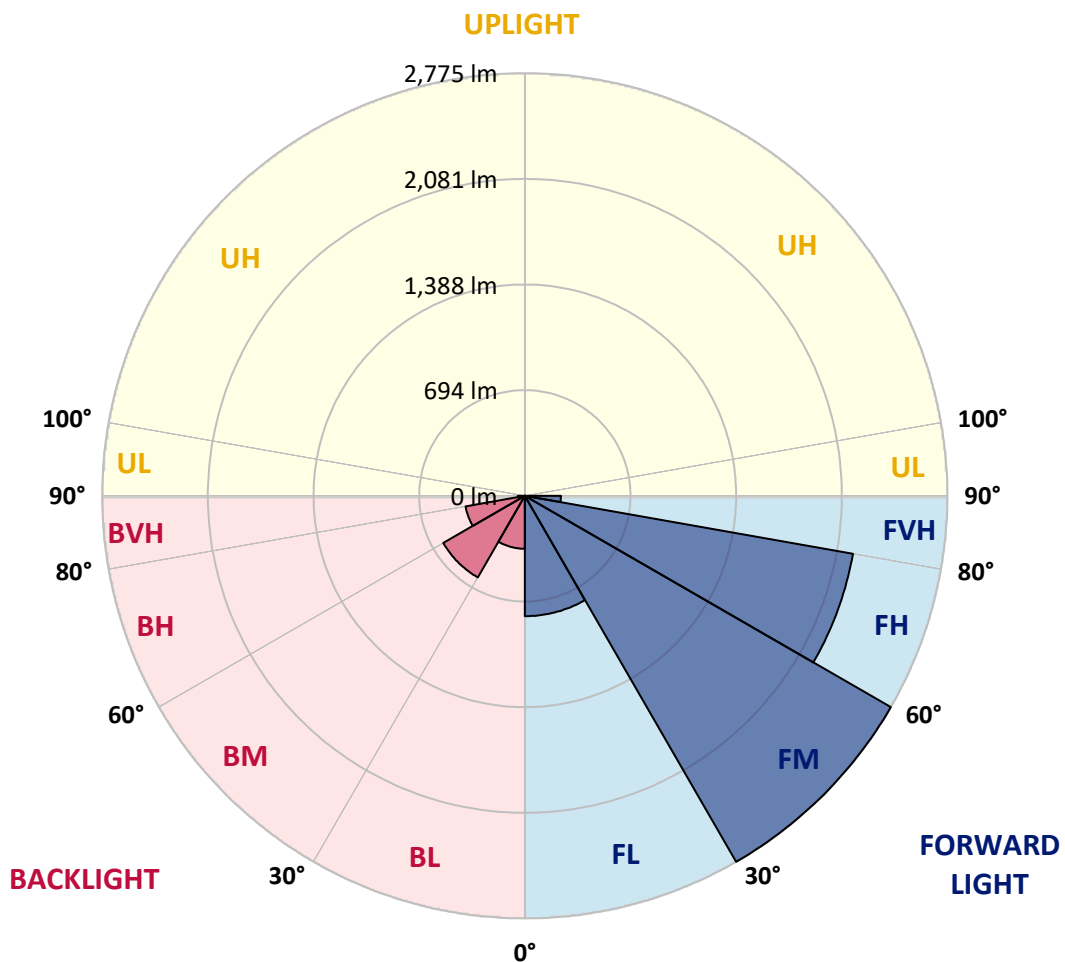
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	790.5	10.7			
FM (30°-60°)	2775.3	37.5			
FH (60°-80°)	2188.2	29.6			G2/5000
FVH (80°-90°)	237.1	3.2			G3/500
BL (0°-30°)	347.9	4.7	B1/500		
BM (30°-60°)	618.6	8.4	B1/1000		
BH (60°-80°)	395.5	5.3	B1/500		G1/500
BVH (80°-90°)	46.1	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°	2363.3	2363.3	2363.3	2363.3	2363.3	2363.3	2363.3	2363.3	2363.3	2363.3	2363.3
2.5°	2530.7	2520.8	2530.7	2566.8	2576.6	2593.0	2593.0	2570.1	2527.4	2507.7	2474.9
5°	2586.5	2570.1	2652.1	2727.6	2786.7	2780.1	2724.3	2678.4	2593.0	2465.0	2343.6
7.5°	2474.9	2491.3	2550.4	2747.3	2885.2	2911.4	2822.8	2730.9	2547.1	2369.8	2205.7
10°	2264.8	2287.8	2415.8	2619.3	2835.9	2878.6	2822.8	2711.2	2491.3	2271.4	2081.0
12.5°	2163.0	2215.6	2291.1	2537.2	2691.5	2793.2	2767.0	2694.8	2448.6	2189.3	2005.5
15°	2163.0	2176.2	2287.8	2494.6	2583.2	2586.5	2596.3	2609.4	2461.7	2225.4	1979.2
17.5°	2232.0	2268.1	2363.3	2491.3	2507.7	2468.3	2468.3	2524.1	2488.0	2327.2	2074.4
20°	2399.4	2386.2	2511.0	2563.5	2474.9	2376.4	2366.5	2461.7	2517.5	2435.5	2248.4
22.5°	2566.8	2625.9	2727.6	2609.4	2445.3	2314.0	2300.9	2419.1	2606.2	2622.6	2448.6
25°	2819.5	2878.6	2931.1	2786.7	2442.0	2297.6	2307.5	2399.4	2714.5	2888.4	2783.4
27.5°	3091.9	3128.0	3203.5	2980.3	2520.8	2277.9	2287.8	2425.6	2816.2	3062.4	3046.0
30°	3246.2	3285.6	3269.2	3016.4	2573.3	2291.1	2264.8	2461.7	2760.4	3062.4	3216.7
32.5°	3397.2	3374.2	3364.4	3075.5	2639.0	2373.1	2307.5	2537.2	2793.2	3111.6	3436.6
35°	3581.0	3548.2	3521.9	3190.4	2747.3	2451.9	2422.3	2635.7	2865.5	3213.4	3613.8
37.5°	3784.5	3784.5	3656.5	3275.8	2875.3	2579.9	2547.1	2776.8	2980.3	3275.8	3856.7
40°	4024.1	4034.0	3807.5	3390.6	3019.7	2783.4	2773.6	2960.6	3091.9	3367.7	4089.8
42.5°	4201.4	4207.9	3938.8	3433.3	3187.1	3065.7	3108.4	3256.1	3220.0	3449.7	4106.2
45°	4322.8	4290.0	4030.7	3554.7	3370.9	3489.1	3502.2	3544.9	3387.3	3498.9	4171.8
47.5°	4381.9	4375.3	4070.1	3695.9	3758.3	3919.1	3994.6	3935.5	3541.6	3446.4	4171.8
50°	4441.0	4385.2	4106.2	3889.5	4135.7	4460.7	4444.3	4335.9	3755.0	3512.1	4109.5
52.5°	4480.4	4431.1	4178.4	4063.5	4496.8	4864.4	4930.0	4729.8	4004.4	3633.5	4139.0
55°	4621.5	4582.1	4395.0	4299.8	4913.6	5291.1	5300.9	5021.9	4267.0	3833.7	4332.7
57.5°	4792.2	4815.2	4693.7	4634.6	5232.0	5602.9	5566.8	5238.6	4490.2	4076.6	4555.9
60°	4913.6	4949.7	4920.2	4926.8	5389.6	5707.9	5625.9	5373.1	4654.3	4260.4	4828.3
62.5°	4848.0	4920.2	5041.6	5015.4	5396.1	5632.5	5517.6	5195.9	4674.0	4500.1	5035.1
65°	4667.5	4674.0	4910.3	5054.8	5100.7	5241.9	5090.9	4825.0	4470.5	4647.8	5005.5
67.5°	4204.6	4257.2	4470.5	4752.8	4559.1	4592.0	4578.8	4194.8	4162.0	4546.0	4779.1
70°	3712.3	3748.4	3981.4	4313.0	3850.2	3695.9	3725.4	3439.9	3574.4	4230.9	4322.8
72.5°	3069.0	3091.9	3357.8	3649.9	3088.7	2812.9	2881.9	2648.8	2839.2	3702.5	3646.7
75°	2317.3	2360.0	2566.8	2911.4	2274.6	2097.4	2166.3	2071.1	2248.4	3049.3	2829.4
77.5°	1647.7	1614.9	1870.9	2277.9	1710.1	1605.1	1611.6	1628.0	1818.4	2570.1	2031.8
80°	1122.6	1132.4	1362.2	1670.7	1342.5	1326.1	1309.6	1440.9	1526.3	2035.0	1477.0
82.5°	666.3	666.3	919.0	1188.2	1060.2	1194.8	1119.3	1237.4	1194.8	1496.7	968.3
85°	311.8	311.8	472.7	856.7	820.6	984.7	837.0	935.5	882.9	1043.8	436.5
87.5°	52.5	46.0	95.2	420.1	338.1	384.0	151.0	498.9	554.7	728.7	108.3
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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2363.3	2363.3	2363.3	2363.3	2363.3	2363.3	2363.3	2363.3	2363.3	2363.3	2363.3
2.5°	2438.8	2415.8	2369.8	2310.7	2261.5	2199.2	2179.5	2136.8	2077.7	2071.1	2044.9
5°	2297.6	2218.8	2120.4	1998.9	1916.9	1831.5	1759.3	1716.7	1667.4	1660.9	1647.7
7.5°	2143.4	2044.9	1880.8	1736.3	1595.2	1460.6	1395.0	1312.9	1257.1	1214.5	1194.8
10°	1998.9	1907.0	1703.5	1506.6	1381.9	1293.2	1214.5	1129.1	1060.2	1007.7	988.0
12.5°	1903.7	1795.4	1575.5	1388.4	1296.5	1194.8	1106.1	1014.2	925.6	856.7	820.6
15°	1861.1	1759.3	1536.1	1329.3	1194.8	1053.6	951.9	860.0	751.7	702.4	686.0
17.5°	1962.8	1811.8	1523.0	1260.4	1070.0	909.2	784.5	686.0	607.2	558.0	538.3
20°	2094.1	1907.0	1546.0	1178.4	951.9	771.3	633.5	528.5	475.9	439.8	436.5
22.5°	2261.5	2048.2	1582.1	1119.3	820.6	620.4	495.6	433.3	397.2	393.9	387.3
25°	2560.2	2304.2	1641.2	1040.5	715.5	512.0	423.4	387.3	370.9	361.1	367.6
27.5°	2816.2	2471.6	1683.8	991.3	672.9	482.5	410.3	370.9	354.5	351.2	354.5
30°	2967.2	2625.9	1670.7	899.4	587.5	459.5	436.5	423.4	390.6	364.3	364.3
32.5°	3105.1	2724.3	1667.4	817.3	502.2	384.0	364.3	354.5	374.2	387.3	377.5
35°	3295.4	2878.6	1657.6	771.3	466.1	354.5	321.7	295.4	282.3	275.7	285.6
37.5°	3498.9	2983.6	1631.3	764.8	446.4	338.1	311.8	285.6	272.4	265.9	262.6
40°	3722.1	3095.2	1601.8	732.0	436.5	328.2	302.0	279.0	262.6	252.7	249.5
42.5°	3866.6	3183.8	1572.2	715.5	416.9	321.7	292.1	272.4	256.0	242.9	242.9
45°	3948.6	3288.9	1542.7	699.1	393.9	324.9	292.1	265.9	246.2	239.6	233.0
47.5°	3984.7	3367.7	1532.8	672.9	374.2	311.8	285.6	259.3	239.6	226.5	223.2
50°	4079.9	3535.1	1568.9	653.2	351.2	298.7	302.0	256.0	236.3	219.9	216.6
52.5°	4135.7	3669.6	1647.7	623.6	334.8	282.3	295.4	249.5	226.5	210.1	210.1
55°	4339.2	3892.8	1733.1	600.7	315.1	259.3	272.4	236.3	210.1	200.2	200.2
57.5°	4598.5	4129.2	1805.3	590.8	302.0	242.9	242.9	229.8	200.2	187.1	183.8
60°	4779.1	4322.8	1847.9	584.3	288.8	226.5	216.6	229.8	190.4	177.2	174.0
62.5°	4798.7	4211.2	1805.3	581.0	285.6	210.1	196.9	219.9	180.5	167.4	160.8
65°	4674.0	3984.7	1687.1	567.8	282.3	193.7	183.8	190.4	167.4	157.6	151.0
67.5°	4424.6	3617.1	1516.4	561.3	279.0	180.5	167.4	164.1	154.3	144.4	137.9
70°	3843.6	3137.9	1316.2	531.7	272.4	170.7	151.0	147.7	137.9	131.3	128.0
72.5°	3226.5	2566.8	1086.4	492.3	259.3	154.3	137.9	131.3	128.0	118.2	114.9
75°	2471.6	1976.0	869.8	436.5	226.5	137.9	121.4	114.9	111.6	105.0	101.8
77.5°	1736.3	1470.5	643.3	354.5	190.4	124.7	108.3	101.8	98.5	88.6	88.6
80°	1178.4	1030.6	436.5	246.2	147.7	101.8	95.2	88.6	82.1	75.5	75.5
82.5°	732.0	722.1	315.1	160.8	108.3	82.1	75.5	75.5	65.6	59.1	59.1
85°	334.8	443.1	219.9	111.6	82.1	62.4	62.4	59.1	52.5	42.7	42.7
87.5°	105.0	147.7	114.9	49.2	46.0	36.1	36.1	32.8	32.8	26.3	26.3
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):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	2363.3	2363.3	2363.3	2363.3	2363.3	2363.3	2363.3	2363.3	2363.3	2363.3	2363.3
2.5°	2071.1	2067.9	2067.9	2054.7	2087.6	2087.6	2107.2	2090.8	2100.7	2104.0	2130.2
5°	1644.4	1670.7	1690.4	1729.8	1752.8	1762.6	1762.6	1788.9	1779.0	1798.7	1838.1
7.5°	1204.6	1237.4	1296.5	1345.7	1385.1	1398.3	1395.0	1401.5	1411.4	1388.4	1395.0
10°	974.8	951.9	971.6	1017.5	1053.6	1096.3	1063.5	1060.2	1070.0	1060.2	1079.9
12.5°	814.0	787.8	771.3	771.3	797.6	817.3	807.4	823.9	860.0	869.8	892.8
15°	659.7	636.8	623.6	607.2	633.5	640.1	649.9	672.9	699.1	712.3	738.5
17.5°	528.5	528.5	528.5	515.3	525.2	535.0	538.3	567.8	571.1	584.3	594.1
20°	433.3	443.1	459.5	466.1	475.9	475.9	469.4	485.8	472.7	482.5	489.1
22.5°	390.6	403.7	410.3	413.6	426.7	430.0	413.6	416.9	420.1	410.3	413.6
25°	367.6	374.2	367.6	370.9	374.2	367.6	370.9	377.5	374.2	380.7	377.5
27.5°	357.8	351.2	347.9	344.6	344.6	338.1	341.4	341.4	347.9	351.2	351.2
30°	357.8	347.9	334.8	324.9	324.9	315.1	321.7	328.2	331.5	338.1	338.1
32.5°	367.6	347.9	324.9	315.1	305.3	298.7	305.3	315.1	328.2	331.5	334.8
35°	292.1	302.0	298.7	285.6	282.3	282.3	279.0	279.0	269.1	269.1	265.9
37.5°	262.6	259.3	265.9	269.1	272.4	262.6	262.6	249.5	246.2	249.5	249.5
40°	246.2	246.2	246.2	256.0	259.3	252.7	242.9	236.3	236.3	236.3	239.6
42.5°	239.6	233.0	229.8	236.3	246.2	239.6	229.8	226.5	226.5	229.8	229.8
45°	229.8	226.5	223.2	219.9	233.0	223.2	219.9	216.6	216.6	216.6	219.9
47.5°	219.9	216.6	210.1	210.1	213.4	210.1	206.8	206.8	206.8	213.4	213.4
50°	213.4	210.1	203.5	203.5	203.5	203.5	200.2	200.2	200.2	203.5	206.8
52.5°	203.5	200.2	196.9	193.7	193.7	193.7	193.7	193.7	193.7	196.9	200.2
55°	193.7	190.4	187.1	187.1	190.4	190.4	187.1	190.4	187.1	190.4	193.7
57.5°	183.8	180.5	177.2	180.5	183.8	180.5	180.5	180.5	180.5	180.5	183.8
60°	170.7	170.7	170.7	170.7	177.2	177.2	177.2	177.2	170.7	174.0	177.2
62.5°	164.1	160.8	160.8	164.1	167.4	167.4	170.7	167.4	164.1	167.4	167.4
65°	151.0	151.0	151.0	154.3	154.3	157.6	157.6	157.6	154.3	157.6	157.6
67.5°	141.1	141.1	141.1	141.1	147.7	147.7	147.7	147.7	144.4	144.4	147.7
70°	124.7	128.0	124.7	131.3	137.9	134.6	137.9	137.9	134.6	131.3	137.9
72.5°	114.9	114.9	114.9	114.9	124.7	124.7	124.7	128.0	124.7	121.4	124.7
75°	101.8	101.8	101.8	105.0	111.6	111.6	111.6	111.6	111.6	108.3	108.3
77.5°	88.6	91.9	88.6	91.9	98.5	95.2	98.5	101.8	98.5	95.2	95.2
80°	75.5	75.5	75.5	78.8	82.1	82.1	82.1	85.3	82.1	78.8	78.8
82.5°	59.1	59.1	62.4	62.4	65.6	65.6	65.6	68.9	65.6	62.4	62.4
85°	46.0	46.0	46.0	49.2	49.2	52.5	52.5	55.8	55.8	52.5	52.5
87.5°	29.5	26.3	29.5	29.5	32.8	32.8	29.5	26.3	29.5	26.3	23.0
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°	359°	360°
0°	2363.3	2363.3	2363.3	2363.3	2363.3	2363.3	2363.3	2363.3	2363.3	2363.3
2.5°	2156.5	2215.6	2258.2	2287.8	2330.4	2412.5	2445.3	2504.4	2520.8	2530.7
5°	1854.5	1916.9	2008.8	2074.4	2149.9	2304.2	2422.3	2511.0	2550.4	2586.5
7.5°	1454.1	1536.1	1631.3	1716.7	1841.4	2031.8	2186.0	2369.8	2438.8	2474.9
10°	1135.7	1211.2	1316.2	1421.2	1595.2	1756.0	1976.0	2143.4	2238.5	2264.8
12.5°	958.4	1047.1	1171.8	1299.8	1408.1	1591.9	1815.1	2058.0	2146.6	2163.0
15°	814.0	935.5	1063.5	1194.8	1319.5	1480.3	1719.9	2015.3	2146.6	2163.0
17.5°	672.9	781.2	932.2	1073.3	1217.7	1437.7	1736.3	2051.4	2182.7	2232.0
20°	535.0	640.1	758.2	935.5	1132.4	1365.4	1772.4	2172.9	2346.9	2399.4
22.5°	443.1	489.1	603.9	774.6	1007.7	1316.2	1808.6	2363.3	2547.1	2566.8
25°	387.3	420.1	492.3	653.2	909.2	1283.4	1893.9	2583.2	2819.5	2819.5
27.5°	361.1	374.2	423.4	567.8	840.3	1253.8	1979.2	2826.1	3046.0	3091.9
30°	354.5	387.3	413.6	505.5	764.8	1171.8	2058.0	3016.4	3242.9	3246.2
32.5°	347.9	341.4	361.1	439.8	672.9	1086.4	2123.7	3210.1	3387.3	3397.2
35°	272.4	285.6	318.4	387.3	603.9	1024.1	2156.5	3315.1	3571.2	3581.0
37.5°	256.0	272.4	298.7	357.8	558.0	971.6	2166.3	3518.6	3764.8	3784.5
40°	249.5	262.6	282.3	331.5	521.9	905.9	2186.0	3728.7	4050.4	4024.1
42.5°	236.3	252.7	272.4	318.4	492.3	856.7	2189.3	3843.6	4201.4	4201.4
45°	233.0	242.9	265.9	318.4	459.5	814.0	2136.8	3958.5	4375.3	4322.8
47.5°	219.9	239.6	259.3	308.5	420.1	771.3	2074.4	4017.6	4398.3	4381.9
50°	216.6	236.3	269.1	292.1	397.2	751.7	2061.3	4165.3	4444.3	4441.0
52.5°	210.1	229.8	279.0	279.0	367.6	725.4	2123.7	4230.9	4454.1	4480.4
55°	200.2	229.8	259.3	256.0	341.4	692.6	2192.6	4401.6	4628.1	4621.5
57.5°	193.7	223.2	246.2	233.0	311.8	669.6	2294.3	4565.7	4838.1	4792.2
60°	183.8	223.2	219.9	216.6	288.8	649.9	2379.7	4598.5	4884.1	4913.6
62.5°	177.2	233.0	193.7	200.2	269.1	640.1	2343.6	4352.3	4821.7	4848.0
65°	170.7	200.2	177.2	183.8	262.6	620.4	2202.4	4056.9	4552.6	4667.5
67.5°	157.6	164.1	164.1	170.7	256.0	574.4	1913.6	3525.2	4142.3	4204.6
70°	144.4	147.7	147.7	157.6	249.5	521.9	1578.8	3049.3	3594.1	3712.3
72.5°	131.3	131.3	131.3	144.4	229.8	479.2	1299.8	2343.6	2986.9	3069.0
75°	114.9	114.9	114.9	128.0	206.8	436.5	1024.1	1742.9	2199.2	2317.3
77.5°	101.8	101.8	98.5	114.9	180.5	354.5	738.5	1230.9	1549.3	1647.7
80°	85.3	82.1	82.1	91.9	141.1	256.0	475.9	869.8	1079.9	1122.6
82.5°	68.9	65.6	62.4	68.9	101.8	160.8	295.4	607.2	692.6	666.3
85°	65.6	68.9	55.8	52.5	72.2	105.0	187.1	374.2	311.8	311.8
87.5°	26.3	23.0	23.0	19.7	36.1	39.4	82.1	68.9	52.5	52.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)