

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: P676271

Luminaire Tested: **CCW-SA-2C-735-U-T2-HSS**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P676271
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-T2-HSS
Description: INVUE CLEAR CURVE Wall Pack MOUNT Light Square Luminaire @615mA w/
T2 distribution lens and House Side Shield
Light Source: (32) 3500K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

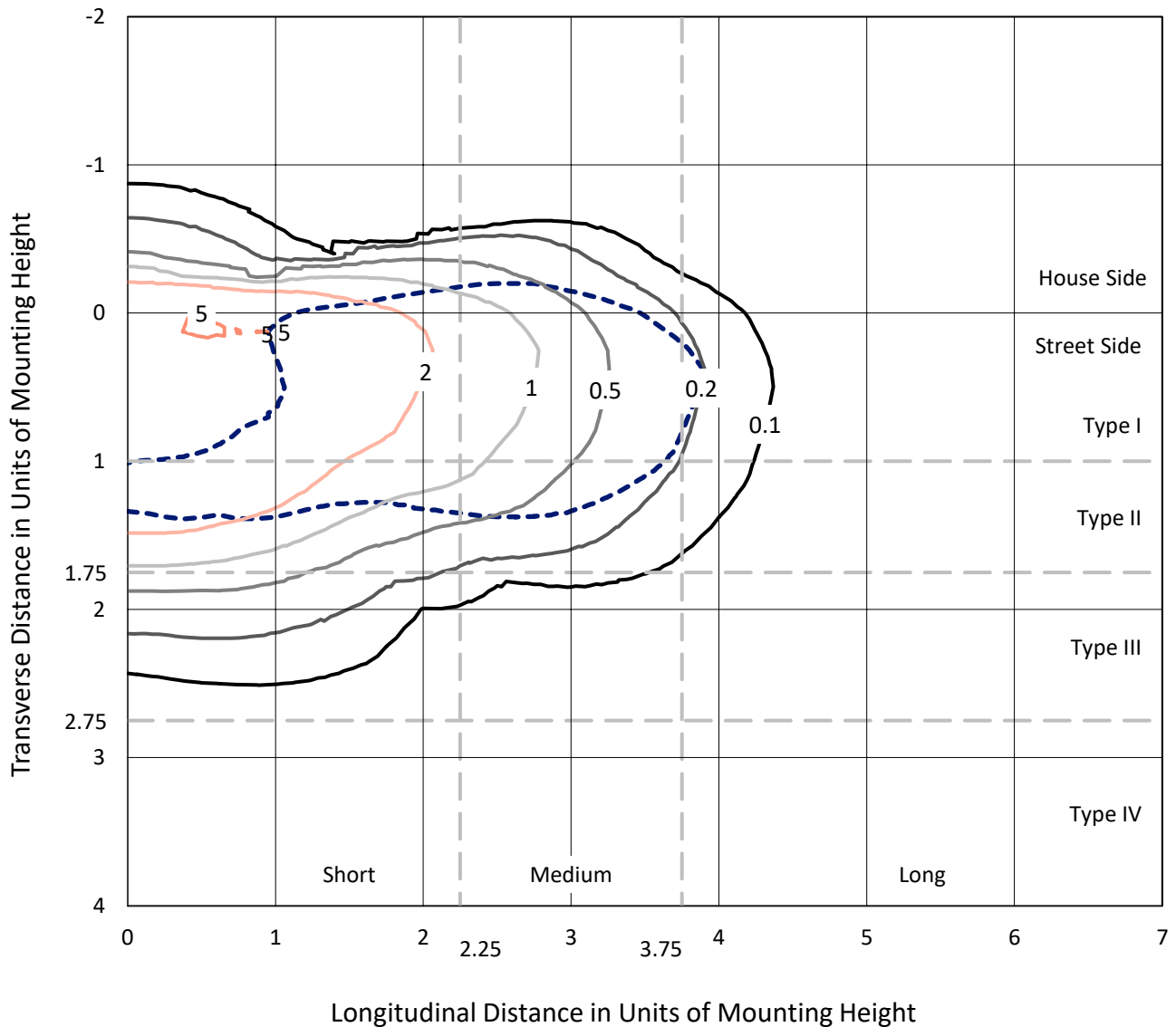
Lumens per Lamp: N/A
Luminaire Lumens: 6884.8 lumens
Efficiency: N/A
Efficacy: 110.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G2

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

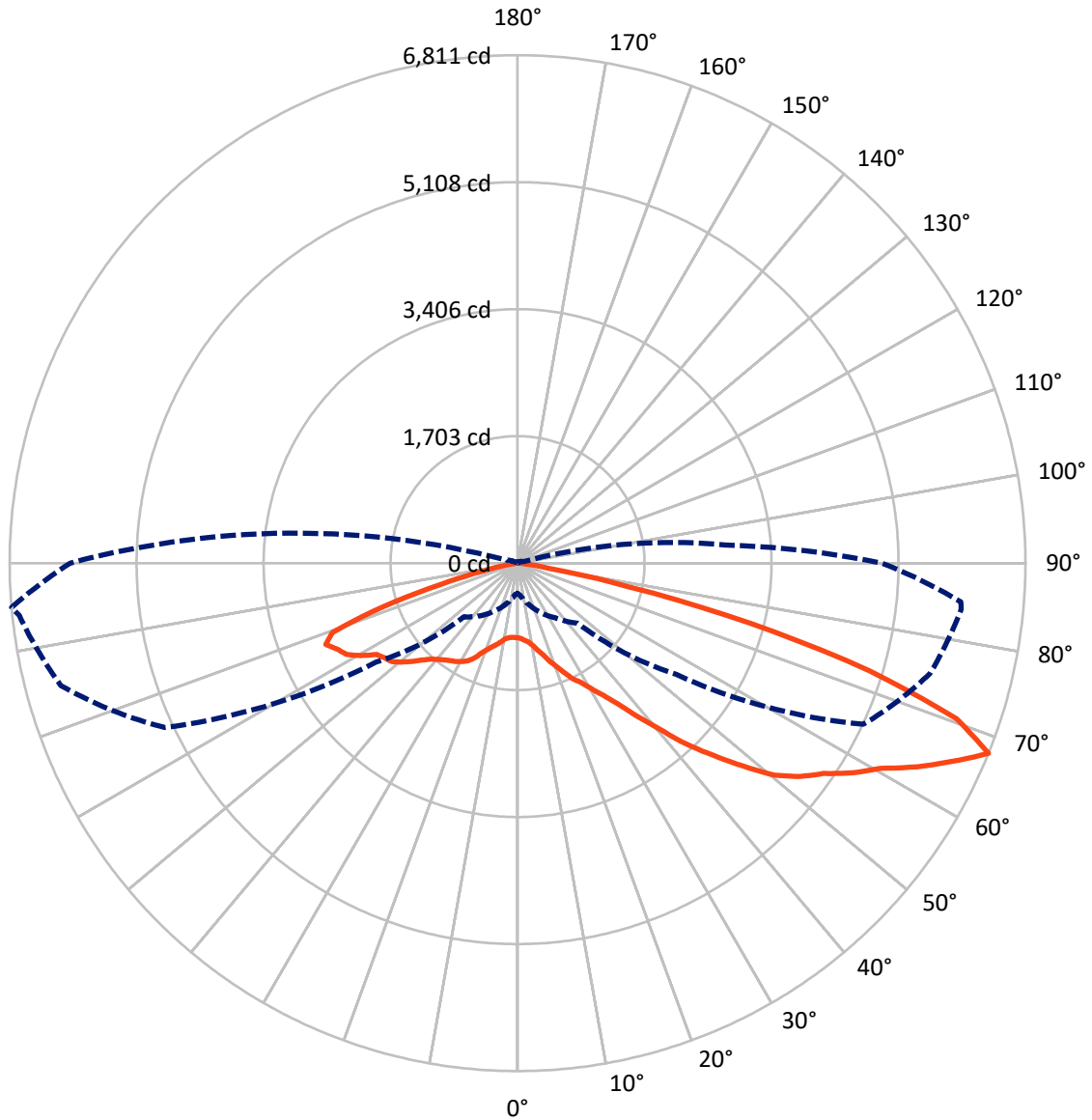
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 5.3 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 275-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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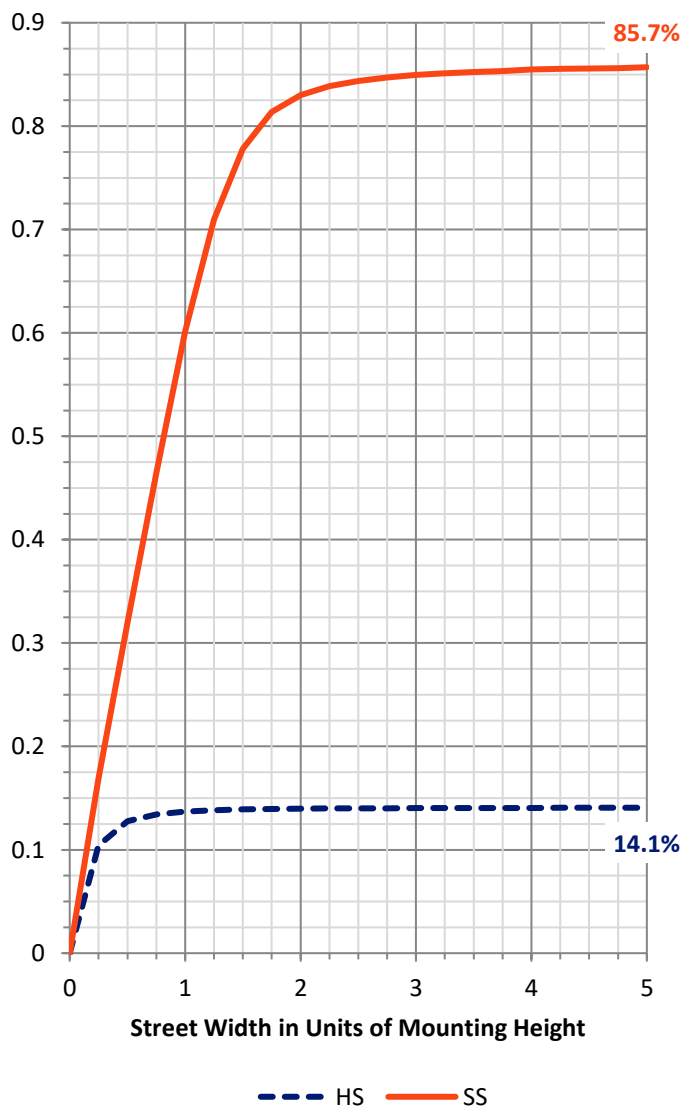
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	978.1	0.0	978.1
	% Fixture	14.2	0.0	14.2
Street Side	Lumens	5906.7	0.0	5906.7
	% Fixture	85.8	0.0	85.8
Total	Lumens	6884.8	0.0	6884.8
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	91.3	1.3
10°-20°	245.5	3.6
20°-30°	407.7	5.9
30°-40°	701.4	10.2
40°-50°	1260.4	18.3
50°-60°	1794.3	26.1
60°-70°	1635.8	23.8
70°-80°	696.6	10.1
80°-90°	51.9	0.8
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°	6884.8	100.0
0°-180°	6884.8	100.0



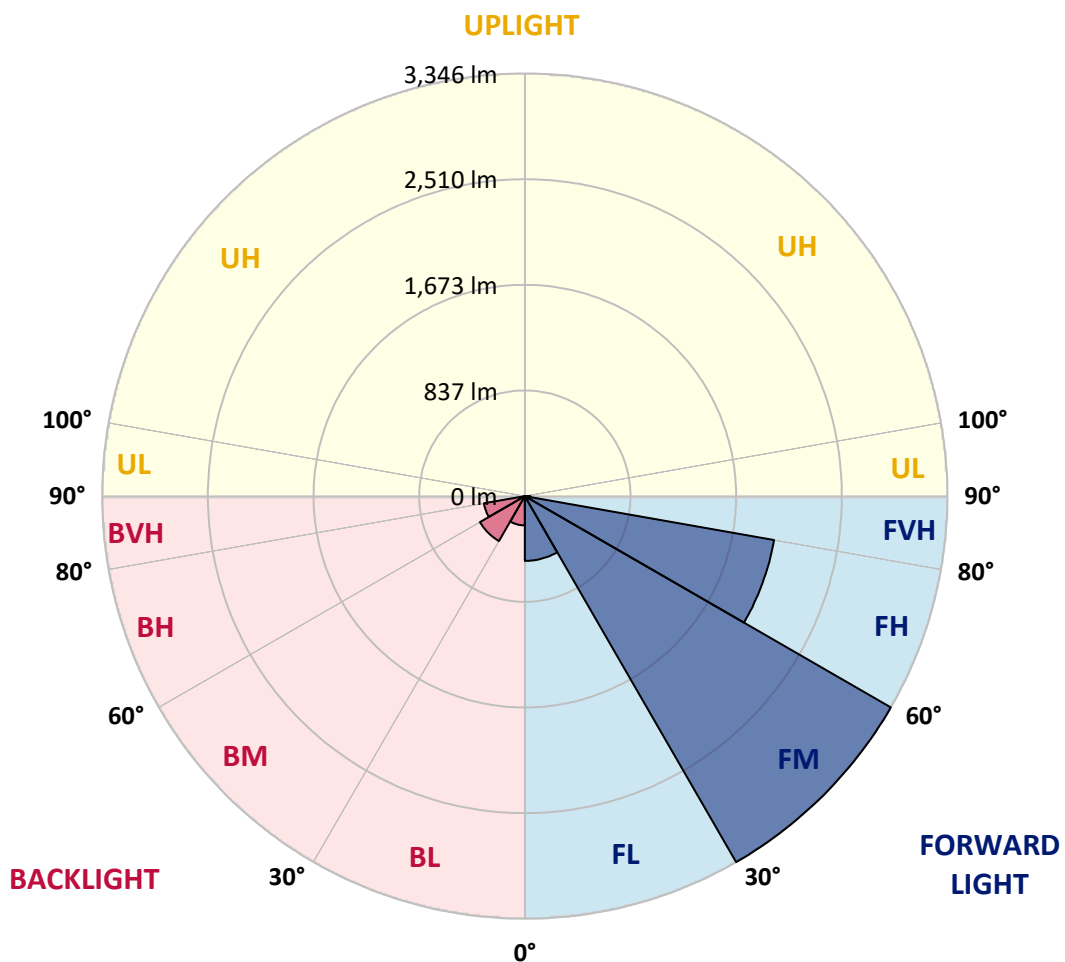
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	512.9	7.4			
FM (30°-60°)	3346.0	48.6			
FH (60°-80°)	2003.8	29.1			G2/5000
FVH (80°-90°)	44.0	0.6			G1/100
BL (0°-30°)	231.5	3.4	B1/500		
BM (30°-60°)	410.1	6.0	B1/1000		
BH (60°-80°)	328.7	4.8	B1/500		G1/500
BVH (80°-90°)	7.8	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	84°	85°
0°	1001.1	1001.1	1001.1	1001.1	1001.1	1001.1	1001.1	1001.1	1001.1	1001.1	1001.1
2.5°	1037.3	1047.1	1047.1	1043.8	1034.0	1027.4	1024.1	1017.6	1011.0	1011.0	1014.3
5°	1047.1	1037.3	1050.4	1034.0	1034.0	1034.0	1047.1	1040.5	1037.3	1020.8	1020.8
7.5°	1047.1	1037.3	1037.3	1047.1	1037.3	1043.8	1060.2	1053.7	1066.8	1037.3	1043.8
10°	1017.6	1014.3	1020.8	1034.0	1037.3	1050.4	1066.8	1099.6	1102.9	1083.2	1079.9
12.5°	958.5	955.2	978.2	984.7	1024.1	1056.9	1106.2	1132.4	1162.0	1152.1	1132.4
15°	915.8	922.4	938.8	965.0	1001.1	1060.2	1116.0	1175.1	1227.6	1214.5	1207.9
17.5°	932.2	928.9	932.2	948.6	994.6	1053.7	1148.9	1217.8	1293.3	1293.3	1299.8
20°	981.5	991.3	988.0	978.2	1001.1	1050.4	1148.9	1270.3	1395.0	1385.2	1385.2
22.5°	1066.8	1070.1	1050.4	1043.8	1040.5	1070.1	1168.6	1336.0	1480.4	1500.1	1493.5
25°	1155.4	1158.7	1152.1	1132.4	1106.2	1112.7	1204.7	1388.5	1598.6	1631.4	1624.8
27.5°	1303.1	1299.8	1283.4	1260.5	1221.1	1191.5	1260.5	1427.9	1690.5	1746.3	1729.8
30°	1450.8	1441.0	1418.0	1388.5	1352.4	1296.6	1329.4	1503.4	1805.3	1857.9	1821.8
32.5°	1631.4	1611.7	1618.2	1572.3	1496.8	1408.2	1401.6	1572.3	1897.3	1972.8	1943.2
35°	1861.1	1838.2	1805.3	1762.7	1690.5	1572.3	1536.2	1683.9	2051.5	2107.3	2107.3
37.5°	2163.1	2186.1	2146.7	1969.5	1890.7	1779.1	1703.6	1798.8	2186.1	2320.7	2287.9
40°	2471.7	2491.4	2419.2	2287.9	2117.2	1979.3	1933.4	1985.9	2389.6	2550.5	2488.1
42.5°	2721.1	2747.4	2721.1	2550.5	2415.9	2238.6	2156.6	2205.8	2652.2	2845.9	2763.8
45°	2983.7	3010.0	2980.5	2868.9	2737.6	2635.8	2429.0	2491.4	2927.9	3216.8	3124.9
47.5°	3180.7	3213.5	3161.0	3138.0	3033.0	3016.6	2665.3	2734.3	3216.8	3591.0	3476.1
50°	3226.6	3262.8	3308.7	3335.0	3298.9	3338.2	2983.7	3042.8	3518.8	3935.7	3824.1
52.5°	3118.3	3154.4	3256.2	3377.6	3545.0	3663.2	3305.4	3354.7	3833.9	4221.2	4162.1
55°	2799.9	2832.8	3039.5	3203.7	3604.1	3797.8	3614.0	3820.8	4060.4	4519.9	4375.5
57.5°	2264.9	2304.3	2576.7	2829.5	3407.2	3722.3	3797.8	4208.1	4434.6	4739.9	4572.4
60°	1608.4	1631.4	1867.7	2314.1	2862.3	3344.8	3761.7	4497.0	4730.0	5035.3	4946.6
62.5°	925.7	945.3	1191.5	1611.7	2159.9	2793.4	3600.8	4769.4	5048.4	5360.2	5311.0
65°	613.8	620.4	787.8	1017.6	1404.9	2058.1	3193.8	5012.3	5363.5	5619.5	5563.7
67.5°	403.7	439.8	571.1	728.7	899.4	1139.0	2603.0	5114.1	5724.6	5980.6	5967.5
70°	288.9	302.0	410.3	561.3	676.2	640.1	1523.1	4395.2	5708.2	6079.1	5970.8
72.5°	170.7	183.8	272.4	420.2	531.8	407.0	712.3	3108.5	4730.0	4851.5	4821.9
75°	124.7	124.7	167.4	302.0	387.3	292.1	334.8	1966.2	3141.3	3410.5	3407.2
77.5°	88.6	91.9	114.9	180.5	298.7	213.4	183.8	1093.1	1716.7	1877.6	1788.9
80°	52.5	55.8	78.8	108.3	216.6	154.3	121.5	498.9	659.8	666.3	633.5
82.5°	39.4	39.4	52.5	75.5	151.0	105.0	75.5	190.4	213.4	193.7	164.1
85°	23.0	19.7	39.4	55.8	88.6	59.1	52.5	88.6	98.5	72.2	65.6
87.5°	6.6	6.6	16.4	19.7	39.4	32.8	23.0	32.8	46.0	26.3	19.7
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°	1001.1	1001.1	1001.1	1001.1	1001.1	1001.1	1001.1	1001.1	1001.1	1001.1	1001.1
2.5°	1007.7	997.9	981.5	974.9	951.9	942.1	935.5	919.1	922.4	912.5	912.5
5°	997.9	997.9	965.0	928.9	892.8	869.8	843.6	810.8	810.8	797.6	800.9
7.5°	1034.0	1007.7	965.0	899.4	840.3	787.8	764.8	732.0	712.3	702.4	702.4
10°	1056.9	1030.7	958.5	879.7	804.2	738.6	689.3	643.4	617.1	617.1	613.8
12.5°	1119.3	1079.9	984.7	876.4	764.8	666.3	590.8	538.3	502.2	476.0	482.5
15°	1171.8	1129.2	997.9	850.2	695.9	558.0	466.1	367.6	318.4	292.1	282.3
17.5°	1253.9	1175.1	1027.4	804.2	590.8	436.6	302.0	219.9	200.2	196.9	196.9
20°	1322.8	1230.9	1030.7	715.6	485.8	279.0	193.7	180.5	170.7	167.4	164.1
22.5°	1418.0	1303.1	1017.6	613.8	347.9	187.1	164.1	151.0	144.4	134.6	134.6
25°	1516.5	1398.3	991.3	518.6	213.4	160.8	144.4	131.3	118.2	111.6	114.9
27.5°	1621.5	1470.5	915.8	403.7	164.1	141.1	118.2	108.3	101.8	98.5	98.5
30°	1706.9	1516.5	804.2	269.2	147.7	124.7	105.0	95.2	88.6	85.3	85.3
32.5°	1769.2	1555.9	679.5	180.5	134.6	111.6	95.2	85.3	78.8	75.5	75.5
35°	1874.3	1585.4	564.6	154.3	121.5	98.5	82.1	75.5	68.9	68.9	68.9
37.5°	2035.1	1624.8	449.7	141.1	111.6	88.6	78.8	68.9	65.6	62.4	62.4
40°	2176.3	1674.0	321.7	128.0	101.8	82.1	68.9	62.4	59.1	55.8	55.8
42.5°	2379.8	1729.8	210.1	114.9	91.9	75.5	62.4	55.8	52.5	49.2	49.2
45°	2639.1	1821.8	164.1	101.8	82.1	68.9	59.1	52.5	46.0	46.0	42.7
47.5°	2914.8	1933.4	147.7	95.2	75.5	62.4	52.5	46.0	42.7	39.4	39.4
50°	3170.8	2041.7	137.9	88.6	68.9	59.1	49.2	42.7	36.1	32.8	32.8
52.5°	3400.6	2143.4	131.3	82.1	65.6	52.5	42.7	36.1	32.8	29.5	29.5
55°	3522.1	2189.4	128.0	78.8	59.1	49.2	39.4	32.8	29.5	26.3	26.3
57.5°	3712.4	2248.5	124.7	75.5	55.8	42.7	36.1	29.5	26.3	23.0	23.0
60°	4021.0	2442.1	121.5	72.2	52.5	42.7	32.8	26.3	19.7	16.4	16.4
62.5°	4277.0	2603.0	108.3	62.4	46.0	36.1	26.3	19.7	13.1	9.8	9.8
65°	4569.2	2678.5	95.2	55.8	39.4	29.5	19.7	13.1	9.8	3.3	3.3
67.5°	4887.6	2793.4	78.8	49.2	36.1	23.0	16.4	9.8	3.3	0.0	0.0
70°	4720.2	2648.9	65.6	42.7	32.8	19.7	13.1	6.6	0.0	0.0	0.0
72.5°	3699.3	1897.3	52.5	39.4	29.5	19.7	13.1	3.3	0.0	0.0	0.0
75°	2471.7	1073.4	46.0	32.8	23.0	16.4	9.8	3.3	0.0	0.0	0.0
77.5°	1342.5	482.5	39.4	29.5	19.7	13.1	9.8	3.3	0.0	0.0	0.0
80°	436.6	190.4	32.8	26.3	19.7	13.1	9.8	3.3	0.0	0.0	0.0
82.5°	118.2	59.1	32.8	26.3	19.7	13.1	9.8	3.3	0.0	0.0	0.0
85°	49.2	39.4	32.8	26.3	19.7	13.1	9.8	3.3	0.0	0.0	0.0
87.5°	19.7	13.1	13.1	16.4	13.1	9.8	6.6	3.3	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):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	1001.1	1001.1	1001.1	1001.1	1001.1	1001.1	1001.1	1001.1	1001.1	1001.1	1001.1
2.5°	915.8	922.4	925.7	925.7	942.1	958.5	978.2	994.6	994.6	1004.4	1014.3
5°	804.2	810.8	820.6	850.2	883.0	919.1	955.2	981.5	1017.6	1034.0	1043.8
7.5°	712.3	718.9	745.1	774.7	820.6	883.0	945.3	1004.4	1040.5	1056.9	1070.1
10°	617.1	626.9	656.5	709.0	768.1	843.6	915.8	1017.6	1076.6	1109.5	1122.6
12.5°	479.2	505.5	544.9	600.7	676.2	791.1	925.7	1030.7	1132.4	1171.8	1198.1
15°	302.0	325.0	387.3	476.0	577.7	712.3	899.4	1050.4	1191.5	1230.9	1273.6
17.5°	193.7	196.9	216.6	311.8	443.1	613.8	860.0	1079.9	1257.2	1313.0	1378.6
20°	164.1	170.7	174.0	187.1	295.4	505.5	777.9	1116.0	1336.0	1411.5	1473.8
22.5°	137.9	141.1	147.7	157.6	177.3	367.6	666.3	1116.0	1404.9	1516.5	1588.7
25°	111.6	118.2	124.7	134.6	154.3	229.8	551.5	1096.3	1486.9	1624.8	1716.7
27.5°	98.5	98.5	105.0	114.9	131.3	160.8	436.6	1037.3	1549.3	1690.5	1811.9
30°	85.3	88.6	91.9	101.8	118.2	141.1	302.0	942.1	1615.0	1818.5	1956.3
32.5°	75.5	75.5	82.1	88.6	105.0	128.0	193.7	797.6	1700.3	1916.9	2110.6
35°	68.9	68.9	72.2	78.8	95.2	114.9	151.0	676.2	1802.1	2104.0	2317.4
37.5°	62.4	62.4	65.6	72.2	85.3	101.8	137.9	581.0	1907.1	2291.1	2603.0
40°	55.8	55.8	59.1	65.6	75.5	91.9	124.7	469.4	2038.4	2566.9	2914.8
42.5°	49.2	49.2	52.5	59.1	68.9	82.1	108.3	351.2	2212.4	2865.6	3318.6
45°	42.7	42.7	46.0	52.5	59.1	75.5	98.5	269.2	2402.8	3197.1	3673.1
47.5°	36.1	39.4	42.7	49.2	55.8	68.9	88.6	236.3	2589.9	3548.3	4067.0
50°	32.8	32.8	36.1	42.7	52.5	62.4	82.1	233.1	2780.2	3817.5	4470.7
52.5°	29.5	29.5	32.8	39.4	49.2	59.1	78.8	239.6	2937.8	4067.0	4753.0
55°	26.3	26.3	29.5	32.8	42.7	55.8	72.2	246.2	3049.4	4319.7	4979.5
57.5°	23.0	23.0	26.3	32.8	39.4	49.2	65.6	252.7	3229.9	4569.2	5307.7
60°	16.4	16.4	23.0	29.5	36.1	42.7	62.4	259.3	3518.8	4913.8	5586.7
62.5°	9.8	9.8	13.1	23.0	29.5	39.4	55.8	246.2	3787.9	5357.0	6013.4
65°	3.3	6.6	9.8	13.1	23.0	32.8	46.0	223.2	4014.4	5800.1	6407.3
67.5°	0.0	0.0	3.3	9.8	19.7	26.3	39.4	164.1	4050.5	6000.3	6811.1
70°	0.0	0.0	3.3	9.8	16.4	26.3	36.1	91.9	3449.9	5360.2	6243.2
72.5°	0.0	0.0	0.0	6.6	16.4	23.0	32.8	68.9	2543.9	4040.7	4933.5
75°	0.0	0.0	0.0	3.3	13.1	19.7	29.5	52.5	1546.0	2694.9	3220.1
77.5°	0.0	0.0	0.0	3.3	9.8	19.7	29.5	46.0	544.9	1283.4	1513.2
80°	0.0	0.0	0.0	6.6	13.1	19.7	26.3	39.4	131.3	321.7	433.3
82.5°	0.0	0.0	0.0	3.3	9.8	16.4	23.0	32.8	52.5	95.2	151.0
85°	0.0	0.0	0.0	3.3	6.6	16.4	23.0	29.5	36.1	46.0	65.6
87.5°	0.0	0.0	0.0	0.0	3.3	6.6	9.8	13.1	13.1	13.1	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):

	276°	285°	295°	305°	315°	325°	335°	345°	355°	360°
0°	1001.1	1001.1	1001.1	1001.1	1001.1	1001.1	1001.1	1001.1	1001.1	1001.1
2.5°	1011.0	1024.1	1030.7	1043.8	1050.4	1047.1	1043.8	1053.7	1047.1	1037.3
5°	1047.1	1047.1	1056.9	1060.2	1060.2	1050.4	1056.9	1053.7	1047.1	1047.1
7.5°	1086.5	1102.9	1102.9	1083.2	1079.9	1073.4	1073.4	1047.1	1037.3	1047.1
10°	1125.9	1139.0	1142.3	1119.3	1089.8	1076.6	1060.2	1027.4	1011.0	1017.6
12.5°	1207.9	1207.9	1171.8	1145.6	1106.2	1060.2	1020.8	974.9	951.9	958.5
15°	1267.0	1280.2	1230.9	1171.8	1102.9	1017.6	974.9	938.8	925.7	915.8
17.5°	1381.9	1355.7	1276.9	1191.5	1093.1	1004.4	974.9	942.1	932.2	932.2
20°	1480.4	1467.3	1349.1	1194.8	1089.8	1030.7	1011.0	994.6	991.3	981.5
22.5°	1615.0	1555.9	1404.9	1230.9	1125.9	1073.4	1066.8	1083.2	1073.4	1066.8
25°	1716.7	1667.5	1447.6	1283.4	1181.7	1165.3	1175.1	1191.5	1165.3	1155.4
27.5°	1854.6	1762.7	1529.6	1352.4	1257.2	1273.6	1306.4	1309.7	1293.3	1303.1
30°	1982.6	1884.1	1592.0	1431.1	1385.2	1401.6	1450.8	1486.9	1464.0	1450.8
32.5°	2166.4	2015.4	1716.7	1562.4	1546.0	1588.7	1644.5	1667.5	1637.9	1631.4
35°	2360.1	2166.4	1844.7	1710.2	1739.7	1798.8	1848.0	1887.4	1841.5	1861.1
37.5°	2662.1	2409.3	2061.4	1943.2	1956.3	1979.3	2071.2	2179.5	2202.5	2163.1
40°	2977.2	2671.9	2261.6	2169.7	2199.2	2261.6	2369.9	2471.7	2524.2	2471.7
42.5°	3341.5	2924.7	2570.2	2461.8	2491.4	2580.0	2724.4	2806.5	2799.9	2721.1
45°	3791.2	3275.9	2859.0	2724.4	2832.8	2911.5	3056.0	3065.8	3003.4	2983.7
47.5°	4135.9	3571.3	3170.8	3085.5	3233.2	3236.5	3269.3	3272.6	3203.7	3180.7
50°	4516.6	3912.7	3518.8	3394.1	3643.5	3528.6	3440.0	3380.9	3275.9	3226.6
52.5°	4890.8	4155.6	3840.5	3712.4	3971.8	3666.5	3505.7	3325.1	3170.8	3118.3
55°	5091.1	4556.0	4309.9	4011.2	4044.0	3705.9	3302.1	3075.7	2813.1	2799.9
57.5°	5327.4	4825.2	4707.0	4214.7	3922.5	3430.2	2878.7	2580.0	2297.7	2264.9
60°	5606.4	5251.9	5127.2	4181.8	3492.5	2882.0	2281.3	1897.3	1631.4	1608.4
62.5°	5918.3	5757.4	5386.5	3860.2	2773.7	2028.6	1506.6	1185.0	938.8	925.7
65°	6410.6	6180.8	5524.4	3249.6	1834.9	1299.8	1001.1	768.1	620.4	613.8
67.5°	6719.2	6341.7	5215.8	2317.4	1017.6	860.0	702.4	558.0	430.0	403.7
70°	6282.6	5819.8	4126.0	1326.1	590.8	653.2	541.6	374.2	295.4	288.9
72.5°	5018.9	4319.7	2777.0	623.7	367.6	512.1	393.9	252.7	177.3	170.7
75°	3423.6	2717.9	1743.0	288.9	259.3	374.2	288.9	147.7	124.7	124.7
77.5°	1529.6	1385.2	892.8	177.3	193.7	285.6	167.4	101.8	91.9	88.6
80°	466.1	489.1	364.4	121.5	144.4	216.6	101.8	68.9	55.8	52.5
82.5°	157.6	183.8	164.1	72.2	98.5	154.3	68.9	46.0	39.4	39.4
85°	75.5	91.9	82.1	46.0	52.5	75.5	55.8	36.1	23.0	23.0
87.5°	29.5	42.7	29.5	19.7	29.5	39.4	23.0	16.4	6.6	6.6
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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