

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: P675858

Luminaire Tested: **CCW-SA-1F-750-U-SLL**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P675858
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-1F-750-U-SLL
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @1200mA w/
SLL distribution lens
Light Source: (16) 5000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

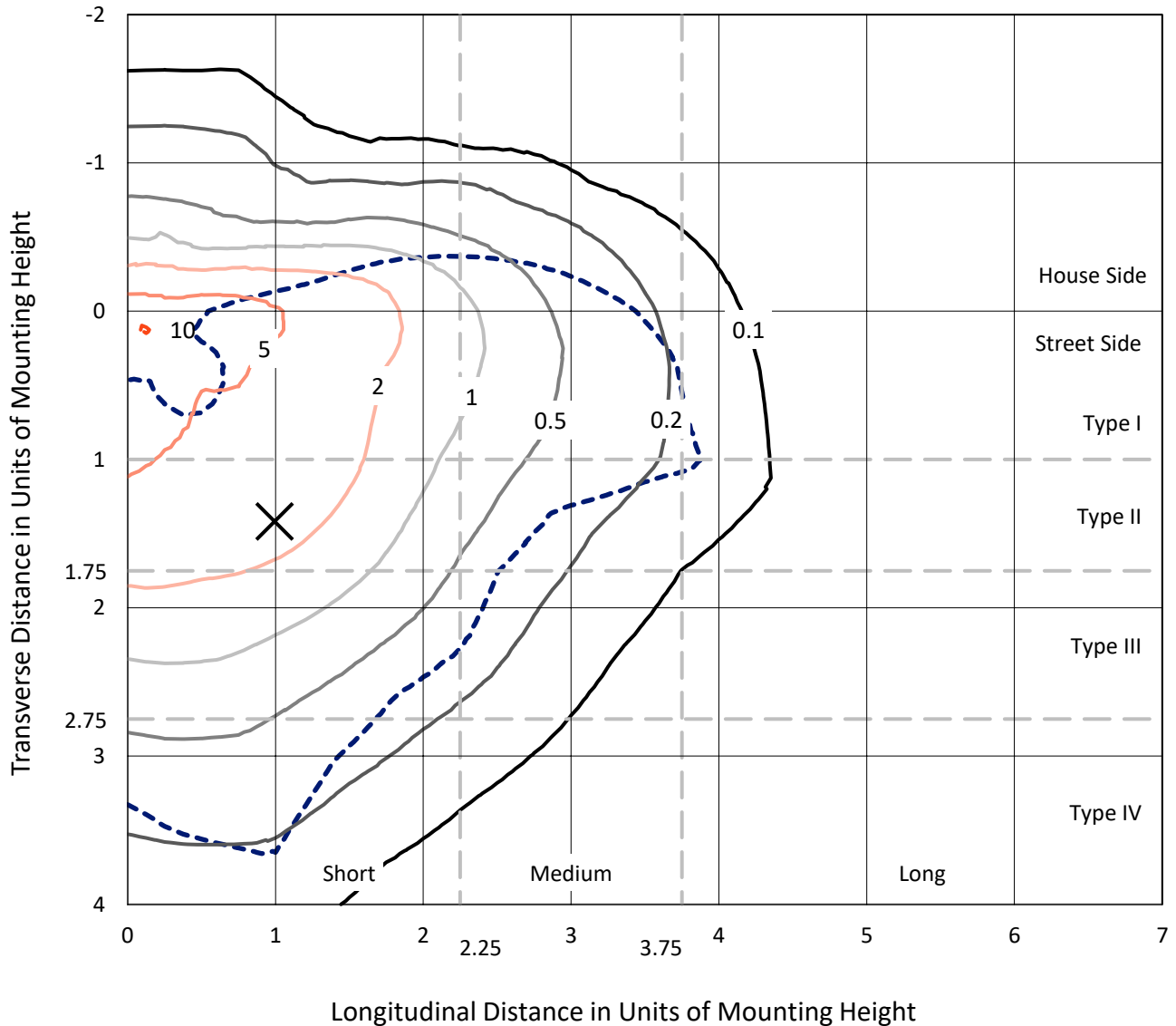
Lumens per Lamp: N/A
Luminaire Lumens: 6363.5 lumens
Efficiency: N/A
Efficacy: 95.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

Input Watts (W): 67
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

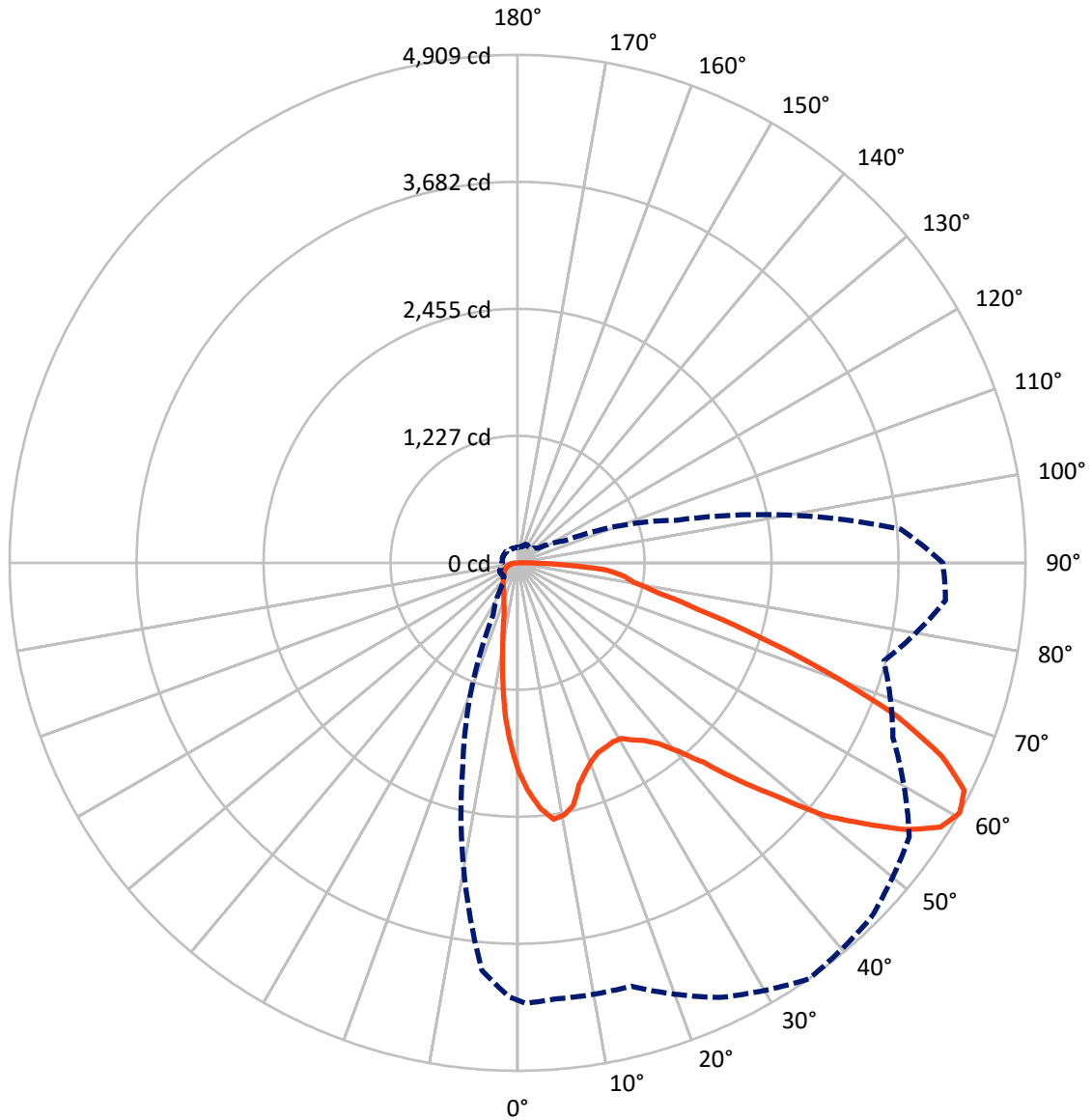
✕ Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 10.3 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	1211.1	0.0	1211.1
	% Fixture	19.0	0.0	19.0
Street Side	Lumens	5152.4	0.0	5152.4
	% Fixture	81.0	0.0	81.0
Total	Lumens	6363.5	0.0	6363.5
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	157.9	2.5
10°-20°	333.4	5.2
20°-30°	487.8	7.7
30°-40°	687.2	10.8
40°-50°	944.4	14.8
50°-60°	1287.2	20.2
60°-70°	1408.7	22.1
70°-80°	813.3	12.8
80°-90°	243.6	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°	6363.5	100.0
0°-180°	6363.5	100.0

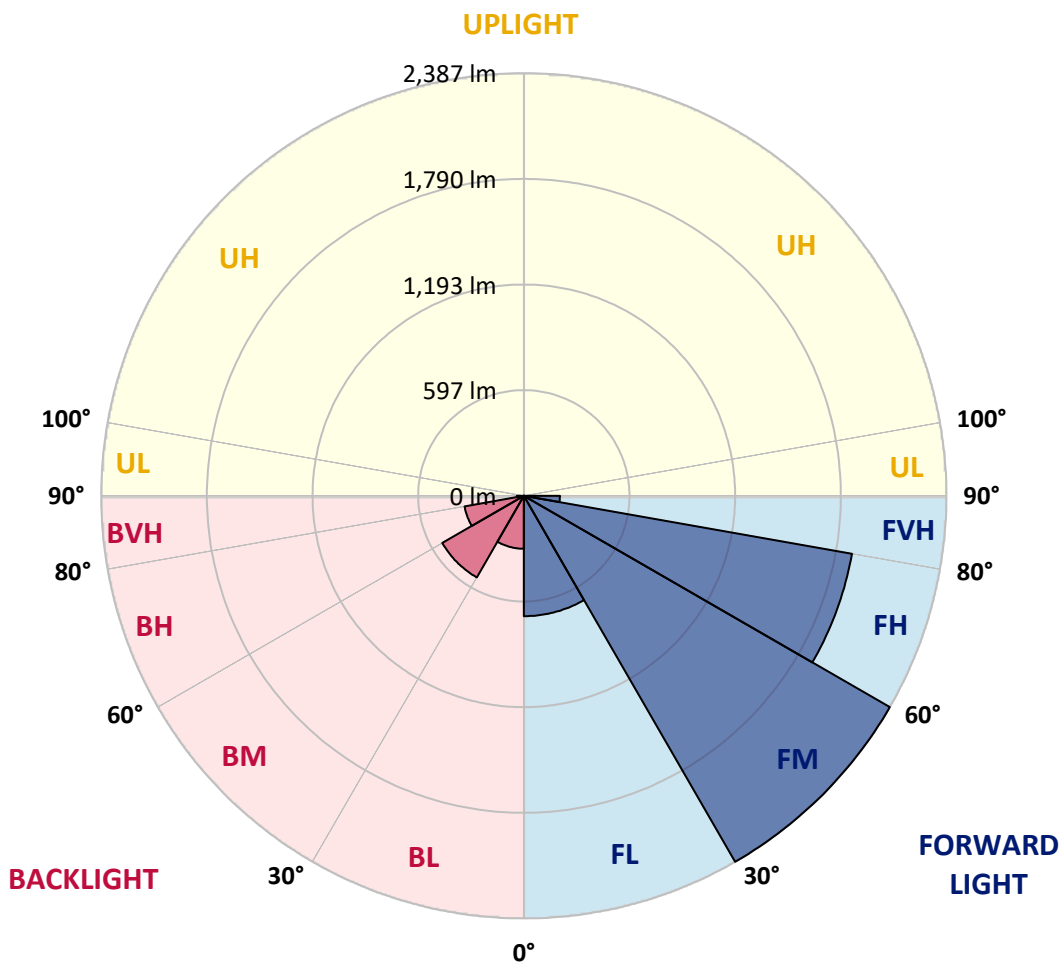


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	679.8	10.7			
FM (30°-60°)	2386.8	37.5			
FH (60°-80°)	1881.9	29.6			G2/5000
FVH (80°-90°)	203.9	3.2			G2/225
BL (0°-30°)	299.2	4.7	B1/500		
BM (30°-60°)	532.0	8.4	B1/1000		
BH (60°-80°)	340.2	5.3	B1/500		G1/500
BVH (80°-90°)	39.7	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-G2
 Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	2032.5	2032.5	2032.5	2032.5	2032.5	2032.5	2032.5	2032.5	2032.5	2032.5	2032.5
2.5°	2176.4	2168.0	2176.4	2207.5	2215.9	2230.1	2230.1	2210.3	2173.6	2156.7	2128.4
5°	2224.4	2210.3	2280.9	2345.8	2396.6	2391.0	2343.0	2303.5	2230.1	2120.0	2015.5
7.5°	2128.4	2142.6	2193.4	2362.7	2481.3	2503.9	2427.7	2348.6	2190.5	2038.1	1897.0
10°	1947.8	1967.5	2077.6	2252.6	2439.0	2475.6	2427.7	2331.7	2142.6	1953.4	1789.7
12.5°	1860.3	1905.4	1970.4	2182.1	2314.7	2402.3	2379.7	2317.6	2105.9	1882.8	1724.8
15°	1860.3	1871.6	1967.5	2145.4	2221.6	2224.4	2232.9	2244.2	2117.1	1913.9	1702.2
17.5°	1919.5	1950.6	2032.5	2142.6	2156.7	2122.8	2122.8	2170.8	2139.7	2001.4	1784.0
20°	2063.5	2052.2	2159.5	2204.7	2128.4	2043.8	2035.3	2117.1	2165.1	2094.6	1933.7
22.5°	2207.5	2258.3	2345.8	2244.2	2103.0	1990.1	1978.8	2080.4	2241.4	2255.5	2105.9
25°	2424.8	2475.6	2520.8	2396.6	2100.2	1976.0	1984.5	2063.5	2334.5	2484.1	2393.8
27.5°	2659.1	2690.2	2755.1	2563.2	2168.0	1959.1	1967.5	2086.1	2422.0	2633.7	2619.6
30°	2791.8	2825.7	2811.6	2594.2	2213.1	1970.4	1947.8	2117.1	2374.0	2633.7	2766.4
32.5°	2921.7	2901.9	2893.4	2645.0	2269.6	2040.9	1984.5	2182.1	2402.3	2676.1	2955.5
35°	3079.7	3051.5	3028.9	2743.8	2362.7	2108.7	2083.3	2266.8	2464.4	2763.6	3108.0
37.5°	3254.8	3254.8	3144.7	2817.2	2472.8	2218.8	2190.5	2388.1	2563.2	2817.2	3316.9
40°	3460.8	3469.3	3274.5	2916.0	2597.0	2393.8	2385.3	2546.2	2659.1	2896.3	3517.3
42.5°	3613.3	3618.9	3387.4	2952.7	2741.0	2636.6	2673.2	2800.3	2769.2	2966.8	3531.4
45°	3717.7	3689.5	3466.5	3057.2	2899.1	3000.7	3012.0	3048.7	2913.2	3009.2	3587.9
47.5°	3768.5	3762.9	3500.3	3178.5	3232.2	3370.5	3435.4	3384.6	3045.9	2964.0	3587.9
50°	3819.3	3771.3	3531.4	3345.1	3556.8	3836.3	3822.2	3729.0	3229.4	3020.5	3534.2
52.5°	3853.2	3810.9	3593.5	3494.7	3867.3	4183.5	4239.9	4067.7	3443.9	3124.9	3559.6
55°	3974.6	3940.7	3779.8	3697.9	4225.8	4550.5	4558.9	4319.0	3669.7	3297.1	3726.2
57.5°	4121.4	4141.1	4036.7	3985.9	4499.6	4818.6	4787.6	4505.3	3861.7	3506.0	3918.1
60°	4225.8	4256.9	4231.5	4237.1	4635.1	4909.0	4838.4	4621.0	4002.8	3664.1	4152.4
62.5°	4169.4	4231.5	4335.9	4313.3	4640.8	4844.0	4745.2	4468.6	4019.8	3870.1	4330.3
65°	4014.1	4019.8	4223.0	4347.2	4386.7	4508.1	4378.3	4149.6	3844.7	3997.2	4304.9
67.5°	3616.1	3661.3	3844.7	4087.5	3921.0	3949.2	3937.9	3607.6	3579.4	3909.7	4110.1
70°	3192.7	3223.7	3424.1	3709.2	3311.2	3178.5	3203.9	2958.4	3074.1	3638.7	3717.7
72.5°	2639.4	2659.1	2887.8	3139.0	2656.3	2419.2	2478.5	2278.0	2441.8	3184.2	3136.2
75°	1992.9	2029.6	2207.5	2503.9	1956.2	1803.8	1863.1	1781.2	1933.7	2622.4	2433.3
77.5°	1417.1	1388.8	1609.0	1959.1	1470.7	1380.4	1386.0	1400.1	1563.9	2210.3	1747.4
80°	965.4	973.9	1171.5	1436.8	1154.6	1140.4	1126.3	1239.2	1312.6	1750.2	1270.3
82.5°	573.0	573.0	790.4	1021.9	911.8	1027.5	962.6	1064.2	1027.5	1287.2	832.7
85°	268.2	268.2	406.5	736.8	705.7	846.9	719.8	804.5	759.3	897.7	375.4
87.5°	45.2	39.5	81.9	361.3	290.8	330.3	129.9	429.1	477.1	626.7	93.2
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°	2032.5	2032.5	2032.5	2032.5	2032.5	2032.5	2032.5	2032.5	2032.5	2032.5	2032.5
2.5°	2097.4	2077.6	2038.1	1987.3	1945.0	1891.3	1874.4	1837.7	1786.9	1781.2	1758.6
5°	1976.0	1908.3	1823.6	1719.1	1648.6	1575.2	1513.1	1476.4	1434.0	1428.4	1417.1
7.5°	1843.3	1758.6	1617.5	1493.3	1371.9	1256.2	1199.7	1129.1	1081.2	1044.5	1027.5
10°	1719.1	1640.1	1465.1	1295.7	1188.4	1112.2	1044.5	971.1	911.8	866.6	849.7
12.5°	1637.3	1544.1	1355.0	1194.1	1115.0	1027.5	951.3	872.3	796.0	736.8	705.7
15°	1600.6	1513.1	1321.1	1143.3	1027.5	906.1	818.6	739.6	646.4	604.1	590.0
17.5°	1688.1	1558.2	1309.8	1084.0	920.3	781.9	674.7	590.0	522.2	479.9	462.9
20°	1801.0	1640.1	1329.6	1013.4	818.6	663.4	544.8	454.5	409.3	378.3	375.4
22.5°	1945.0	1761.5	1360.6	962.6	705.7	533.5	426.3	372.6	341.6	338.7	333.1
25°	2201.8	1981.6	1411.4	894.8	615.4	440.4	364.1	333.1	319.0	310.5	316.2
27.5°	2422.0	2125.6	1448.1	852.5	578.7	415.0	352.9	319.0	304.9	302.0	304.9
30°	2551.9	2258.3	1436.8	773.5	505.3	395.2	375.4	364.1	335.9	313.3	313.3
32.5°	2670.4	2343.0	1434.0	702.9	431.9	330.3	313.3	304.9	321.8	333.1	324.6
35°	2834.2	2475.6	1425.5	663.4	400.8	304.9	276.6	254.1	242.8	237.1	245.6
37.5°	3009.2	2566.0	1403.0	657.7	383.9	290.8	268.2	245.6	234.3	228.7	225.8
40°	3201.1	2662.0	1377.6	629.5	375.4	282.3	259.7	239.9	225.8	217.4	214.5
42.5°	3325.3	2738.2	1352.2	615.4	358.5	276.6	251.2	234.3	220.2	208.9	208.9
45°	3395.9	2828.5	1326.7	601.3	338.7	279.5	251.2	228.7	211.7	206.1	200.4
47.5°	3427.0	2896.3	1318.3	578.7	321.8	268.2	245.6	223.0	206.1	194.8	192.0
50°	3508.8	3040.2	1349.3	561.7	302.0	256.9	259.7	220.2	203.2	189.1	186.3
52.5°	3556.8	3156.0	1417.1	536.3	287.9	242.8	254.1	214.5	194.8	180.7	180.7
55°	3731.8	3347.9	1490.5	516.6	271.0	223.0	234.3	203.2	180.7	172.2	172.2
57.5°	3954.8	3551.2	1552.6	508.1	259.7	208.9	208.9	197.6	172.2	160.9	158.1
60°	4110.1	3717.7	1589.3	502.5	248.4	194.8	186.3	197.6	163.7	152.4	149.6
62.5°	4127.0	3621.7	1552.6	499.6	245.6	180.7	169.4	189.1	155.3	144.0	138.3
65°	4019.8	3427.0	1451.0	488.4	242.8	166.5	158.1	163.7	144.0	135.5	129.9
67.5°	3805.2	3110.8	1304.2	482.7	239.9	155.3	144.0	141.1	132.7	124.2	118.6
70°	3305.6	2698.7	1132.0	457.3	234.3	146.8	129.9	127.0	118.6	112.9	110.1
72.5°	2774.9	2207.5	934.4	423.4	223.0	132.7	118.6	112.9	110.1	101.6	98.8
75°	2125.6	1699.4	748.1	375.4	194.8	118.6	104.4	98.8	96.0	90.3	87.5
77.5°	1493.3	1264.6	553.3	304.9	163.7	107.3	93.2	87.5	84.7	76.2	76.2
80°	1013.4	886.4	375.4	211.7	127.0	87.5	81.9	76.2	70.6	64.9	64.9
82.5°	629.5	621.0	271.0	138.3	93.2	70.6	64.9	64.9	56.5	50.8	50.8
85°	287.9	381.1	189.1	96.0	70.6	53.6	53.6	50.8	45.2	36.7	36.7
87.5°	90.3	127.0	98.8	42.3	39.5	31.1	31.1	28.2	28.2	22.6	22.6
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°	2032.5	2032.5	2032.5	2032.5	2032.5	2032.5	2032.5	2032.5	2032.5	2032.5	2032.5
2.5°	1781.2	1778.4	1778.4	1767.1	1795.3	1795.3	1812.3	1798.2	1806.6	1809.5	1832.0
5°	1414.3	1436.8	1453.8	1487.6	1507.4	1515.9	1515.9	1538.5	1530.0	1546.9	1580.8
7.5°	1036.0	1064.2	1115.0	1157.4	1191.2	1202.5	1199.7	1205.4	1213.8	1194.1	1199.7
10°	838.4	818.6	835.6	875.1	906.1	942.8	914.6	911.8	920.3	911.8	928.7
12.5°	700.1	677.5	663.4	663.4	686.0	702.9	694.4	708.5	739.6	748.1	767.8
15°	567.4	547.6	536.3	522.2	544.8	550.5	558.9	578.7	601.3	612.6	635.1
17.5°	454.5	454.5	454.5	443.2	451.7	460.1	462.9	488.4	491.2	502.5	510.9
20°	372.6	381.1	395.2	400.8	409.3	409.3	403.7	417.8	406.5	415.0	420.6
22.5°	335.9	347.2	352.9	355.7	367.0	369.8	355.7	358.5	361.3	352.9	355.7
25°	316.2	321.8	316.2	319.0	321.8	316.2	319.0	324.6	321.8	327.5	324.6
27.5°	307.7	302.0	299.2	296.4	296.4	290.8	293.6	293.6	299.2	302.0	302.0
30°	307.7	299.2	287.9	279.5	279.5	271.0	276.6	282.3	285.1	290.8	290.8
32.5°	316.2	299.2	279.5	271.0	262.5	256.9	262.5	271.0	282.3	285.1	287.9
35°	251.2	259.7	256.9	245.6	242.8	242.8	239.9	239.9	231.5	231.5	228.7
37.5°	225.8	223.0	228.7	231.5	234.3	225.8	225.8	214.5	211.7	214.5	214.5
40°	211.7	211.7	211.7	220.2	223.0	217.4	208.9	203.2	203.2	203.2	206.1
42.5°	206.1	200.4	197.6	203.2	211.7	206.1	197.6	194.8	194.8	197.6	197.6
45°	197.6	194.8	192.0	189.1	200.4	192.0	189.1	186.3	186.3	186.3	189.1
47.5°	189.1	186.3	180.7	180.7	183.5	180.7	177.8	177.8	177.8	183.5	183.5
50°	183.5	180.7	175.0	175.0	175.0	175.0	172.2	172.2	172.2	175.0	177.8
52.5°	175.0	172.2	169.4	166.5	166.5	166.5	166.5	166.5	166.5	169.4	172.2
55°	166.5	163.7	160.9	160.9	163.7	163.7	160.9	163.7	160.9	163.7	166.5
57.5°	158.1	155.3	152.4	155.3	158.1	155.3	155.3	155.3	155.3	155.3	158.1
60°	146.8	146.8	146.8	146.8	152.4	152.4	152.4	152.4	146.8	149.6	152.4
62.5°	141.1	138.3	138.3	141.1	144.0	144.0	146.8	144.0	141.1	144.0	144.0
65°	129.9	129.9	129.9	132.7	132.7	135.5	135.5	135.5	132.7	135.5	135.5
67.5°	121.4	121.4	121.4	121.4	127.0	127.0	127.0	127.0	124.2	124.2	127.0
70°	107.3	110.1	107.3	112.9	118.6	115.7	118.6	118.6	115.7	112.9	118.6
72.5°	98.8	98.8	98.8	98.8	107.3	107.3	107.3	110.1	107.3	104.4	107.3
75°	87.5	87.5	87.5	90.3	96.0	96.0	96.0	96.0	96.0	93.2	93.2
77.5°	76.2	79.0	76.2	79.0	84.7	81.9	84.7	87.5	84.7	81.9	81.9
80°	64.9	64.9	64.9	67.7	70.6	70.6	70.6	73.4	70.6	67.7	67.7
82.5°	50.8	50.8	53.6	53.6	56.5	56.5	56.5	59.3	56.5	53.6	53.6
85°	39.5	39.5	39.5	42.3	42.3	45.2	45.2	48.0	48.0	45.2	45.2
87.5°	25.4	22.6	25.4	25.4	28.2	28.2	25.4	22.6	25.4	22.6	19.8
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):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	2032.5	2032.5	2032.5	2032.5	2032.5	2032.5	2032.5	2032.5	2032.5	2032.5
2.5°	1854.6	1905.4	1942.1	1967.5	2004.2	2074.8	2103.0	2153.8	2168.0	2176.4
5°	1594.9	1648.6	1727.6	1784.0	1849.0	1981.6	2083.3	2159.5	2193.4	2224.4
7.5°	1250.5	1321.1	1403.0	1476.4	1583.6	1747.4	1880.0	2038.1	2097.4	2128.4
10°	976.7	1041.6	1132.0	1222.3	1371.9	1510.2	1699.4	1843.3	1925.2	1947.8
12.5°	824.3	900.5	1007.8	1117.9	1211.0	1369.1	1561.0	1769.9	1846.2	1860.3
15°	700.1	804.5	914.6	1027.5	1134.8	1273.1	1479.2	1733.2	1846.2	1860.3
17.5°	578.7	671.8	801.7	923.1	1047.3	1236.4	1493.3	1764.3	1877.2	1919.5
20°	460.1	550.5	652.1	804.5	973.9	1174.3	1524.3	1868.7	2018.3	2063.5
22.5°	381.1	420.6	519.4	666.2	866.6	1132.0	1555.4	2032.5	2190.5	2207.5
25°	333.1	361.3	423.4	561.7	781.9	1103.7	1628.8	2221.6	2424.8	2424.8
27.5°	310.5	321.8	364.1	488.4	722.7	1078.3	1702.2	2430.5	2619.6	2659.1
30°	304.9	333.1	355.7	434.7	657.7	1007.8	1769.9	2594.2	2789.0	2791.8
32.5°	299.2	293.6	310.5	378.3	578.7	934.4	1826.4	2760.8	2913.2	2921.7
35°	234.3	245.6	273.8	333.1	519.4	880.7	1854.6	2851.1	3071.3	3079.7
37.5°	220.2	234.3	256.9	307.7	479.9	835.6	1863.1	3026.1	3237.8	3254.8
40°	214.5	225.8	242.8	285.1	448.8	779.1	1880.0	3206.8	3483.4	3460.8
42.5°	203.2	217.4	234.3	273.8	423.4	736.8	1882.8	3305.6	3613.3	3613.3
45°	200.4	208.9	228.7	273.8	395.2	700.1	1837.7	3404.4	3762.9	3717.7
47.5°	189.1	206.1	223.0	265.3	361.3	663.4	1784.0	3455.2	3782.6	3768.5
50°	186.3	203.2	231.5	251.2	341.6	646.4	1772.8	3582.2	3822.2	3819.3
52.5°	180.7	197.6	239.9	239.9	316.2	623.9	1826.4	3638.7	3830.6	3853.2
55°	172.2	197.6	223.0	220.2	293.6	595.6	1885.7	3785.5	3980.2	3974.6
57.5°	166.5	192.0	211.7	200.4	268.2	575.9	1973.2	3926.6	4160.9	4121.4
60°	158.1	192.0	189.1	186.3	248.4	558.9	2046.6	3954.8	4200.4	4225.8
62.5°	152.4	200.4	166.5	172.2	231.5	550.5	2015.5	3743.1	4146.8	4169.4
65°	146.8	172.2	152.4	158.1	225.8	533.5	1894.1	3489.1	3915.3	4014.1
67.5°	135.5	141.1	141.1	146.8	220.2	494.0	1645.7	3031.8	3562.5	3616.1
70°	124.2	127.0	127.0	135.5	214.5	448.8	1357.8	2622.4	3091.0	3192.7
72.5°	112.9	112.9	112.9	124.2	197.6	412.1	1117.9	2015.5	2568.8	2639.4
75°	98.8	98.8	98.8	110.1	177.8	375.4	880.7	1498.9	1891.3	1992.9
77.5°	87.5	87.5	84.7	98.8	155.3	304.9	635.1	1058.6	1332.4	1417.1
80°	73.4	70.6	70.6	79.0	121.4	220.2	409.3	748.1	928.7	965.4
82.5°	59.3	56.5	53.6	59.3	87.5	138.3	254.1	522.2	595.6	573.0
85°	56.5	59.3	48.0	45.2	62.1	90.3	160.9	321.8	268.2	268.2
87.5°	22.6	19.8	19.8	16.9	31.1	33.9	70.6	59.3	45.2	45.2
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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