

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: P675817

Luminaire Tested: **CCW-SA-2C-727-U-SLL**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P675817
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-2C-727-U-SLL
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @615mA w/
SLL distribution lens
Light Source: (32) 2700K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

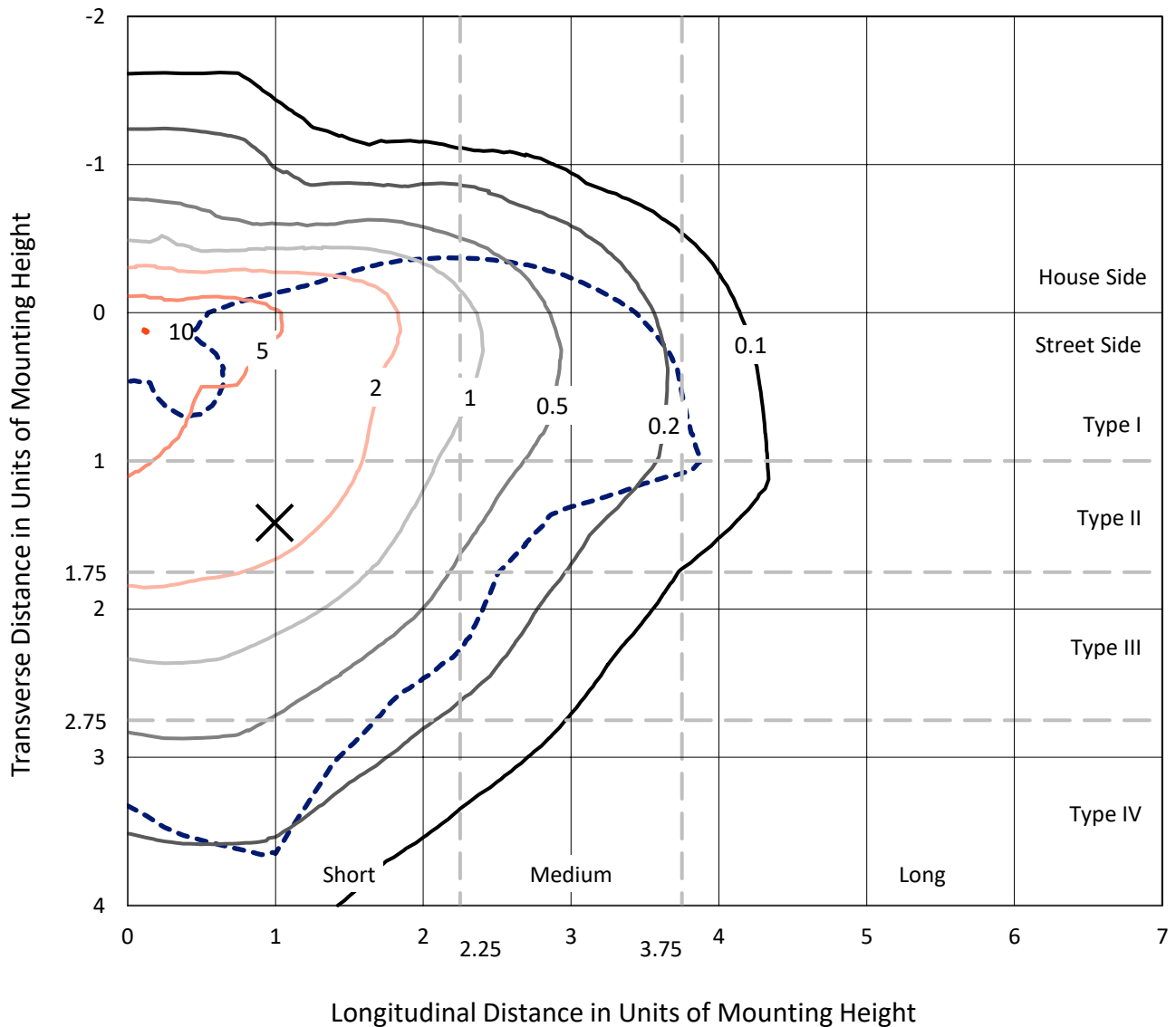
Lumens per Lamp: N/A
Luminaire Lumens: 6273.9 lumens
Efficiency: N/A
Efficacy: 101.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

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

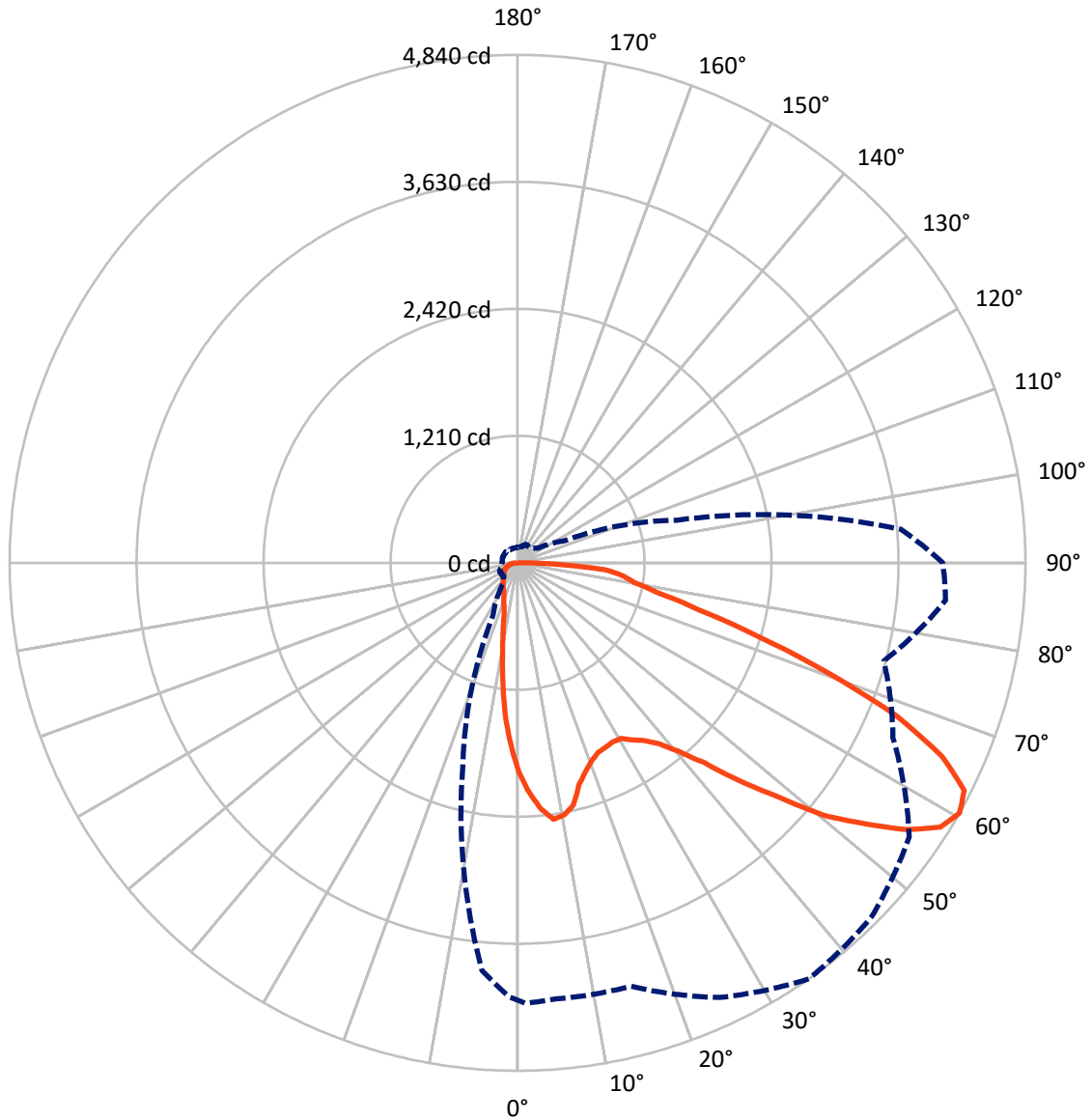
✕ Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 10.2 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	1194.0	0.0	1194.0
	% Fixture	19.0	0.0	19.0
Street Side	Lumens	5079.9	0.0	5079.9
	% Fixture	81.0	0.0	81.0
Total	Lumens	6273.9	0.0	6273.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	155.7	2.5
10°-20°	328.7	5.2
20°-30°	480.9	7.7
30°-40°	677.5	10.8
40°-50°	931.2	14.8
50°-60°	1269.1	20.2
60°-70°	1388.9	22.1
70°-80°	801.9	12.8
80°-90°	240.1	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°	6273.9	100.0
0°-180°	6273.9	100.0

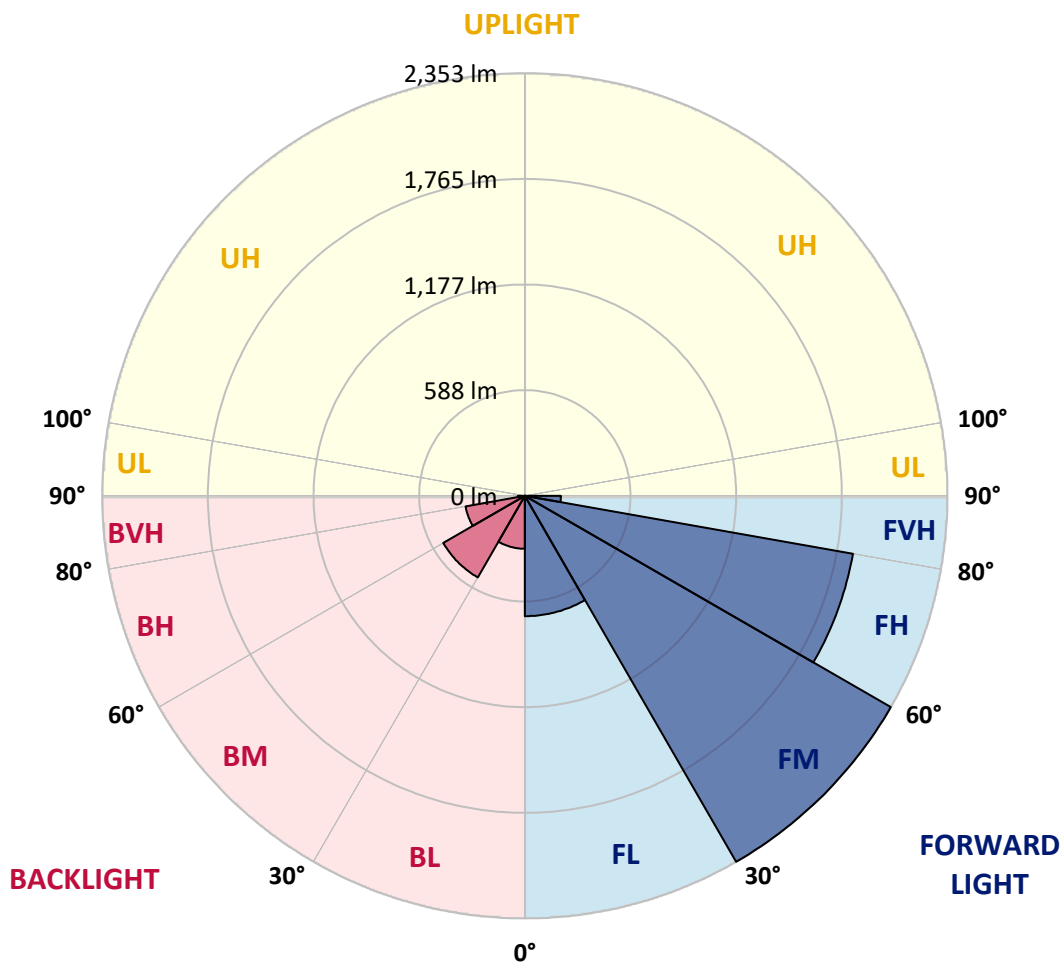


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	670.2	10.7			
FM (30°-60°)	2353.2	37.5			
FH (60°-80°)	1855.4	29.6			G2/5000
FVH (80°-90°)	201.0	3.2			G2/225
BL (0°-30°)	295.0	4.7	B1/500		
BM (30°-60°)	524.5	8.4	B1/1000		
BH (60°-80°)	335.4	5.3	B1/500		G1/500
BVH (80°-90°)	39.1	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-G2
 Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	2003.9	2003.9	2003.9	2003.9	2003.9	2003.9	2003.9	2003.9	2003.9	2003.9	2003.9
2.5°	2145.8	2137.4	2145.8	2176.4	2184.8	2198.7	2198.7	2179.2	2143.0	2126.3	2098.5
5°	2193.1	2179.2	2248.8	2312.8	2362.9	2357.3	2310.0	2271.0	2198.7	2090.1	1987.2
7.5°	2098.5	2112.4	2162.5	2329.5	2446.4	2468.6	2393.5	2315.6	2159.7	2009.4	1870.3
10°	1920.4	1939.8	2048.4	2220.9	2404.6	2440.8	2393.5	2298.9	2112.4	1925.9	1764.5
12.5°	1834.1	1878.6	1942.6	2151.4	2282.2	2368.4	2346.2	2284.9	2076.2	1856.3	1700.5
15°	1834.1	1845.2	1939.8	2115.2	2190.3	2193.1	2201.5	2212.6	2087.3	1887.0	1678.2
17.5°	1892.5	1923.1	2003.9	2112.4	2126.3	2092.9	2092.9	2140.2	2109.6	1973.2	1758.9
20°	2034.5	2023.3	2129.1	2173.6	2098.5	2015.0	2006.6	2087.3	2134.7	2065.1	1906.4
22.5°	2176.4	2226.5	2312.8	2212.6	2073.4	1962.1	1951.0	2051.2	2209.8	2223.7	2076.2
25°	2390.7	2440.8	2485.3	2362.9	2070.6	1948.2	1956.5	2034.5	2301.6	2449.2	2360.1
27.5°	2621.7	2652.3	2716.3	2527.1	2137.4	1931.5	1939.8	2056.7	2387.9	2596.7	2582.7
30°	2752.5	2785.9	2772.0	2557.7	2182.0	1942.6	1920.4	2087.3	2340.6	2596.7	2727.5
32.5°	2880.5	2861.1	2852.7	2607.8	2237.6	2012.2	1956.5	2151.4	2368.4	2638.4	2913.9
35°	3036.4	3008.6	2986.3	2705.2	2329.5	2079.0	2053.9	2234.9	2429.7	2724.7	3064.2
37.5°	3208.9	3208.9	3100.4	2777.6	2438.0	2187.5	2159.7	2354.5	2527.1	2777.6	3270.2
40°	3412.1	3420.5	3228.4	2875.0	2560.5	2360.1	2351.7	2510.4	2621.7	2855.5	3467.8
42.5°	3562.4	3568.0	3339.8	2911.2	2702.4	2599.4	2635.6	2760.9	2730.2	2925.1	3481.7
45°	3665.4	3637.5	3417.7	3014.1	2858.3	2958.5	2969.6	3005.8	2872.2	2966.8	3537.4
47.5°	3715.5	3709.9	3451.1	3133.8	3186.7	3323.1	3387.1	3337.0	3003.0	2922.3	3537.4
50°	3765.6	3718.3	3481.7	3298.0	3506.7	3782.3	3768.4	3676.5	3183.9	2977.9	3484.5
52.5°	3799.0	3757.2	3542.9	3445.5	3812.9	4124.6	4180.3	4010.5	3395.4	3080.9	3509.5
55°	3918.6	3885.2	3726.6	3645.9	4166.3	4486.4	4494.8	4258.2	3618.1	3250.7	3673.7
57.5°	4063.4	4082.8	3979.9	3929.8	4436.3	4750.8	4720.2	4441.9	3807.3	3456.6	3863.0
60°	4166.3	4197.0	4171.9	4177.5	4569.9	4839.9	4770.3	4556.0	3946.5	3612.5	4094.0
62.5°	4110.7	4171.9	4274.9	4252.6	4575.5	4775.8	4678.4	4405.7	3963.2	3815.7	4269.3
65°	3957.6	3963.2	4163.6	4286.0	4325.0	4444.7	4316.6	4091.2	3790.6	3940.9	4244.3
67.5°	3565.2	3609.7	3790.6	4030.0	3865.8	3893.6	3882.5	3556.8	3529.0	3854.6	4052.2
70°	3147.7	3178.3	3375.9	3657.0	3264.6	3133.8	3158.9	2916.7	3030.8	3587.5	3665.4
72.5°	2602.2	2621.7	2847.1	3094.8	2618.9	2385.1	2443.6	2246.0	2407.4	3139.4	3092.1
75°	1964.9	2001.1	2176.4	2468.6	1928.7	1778.4	1836.9	1756.2	1906.4	2585.5	2399.1
77.5°	1397.1	1369.3	1586.4	1931.5	1450.0	1360.9	1366.5	1380.4	1541.9	2179.2	1722.8
80°	951.8	960.2	1155.0	1416.6	1138.3	1124.4	1110.5	1221.8	1294.2	1725.5	1252.4
82.5°	565.0	565.0	779.3	1007.5	899.0	1013.1	949.0	1049.2	1013.1	1269.1	821.0
85°	264.4	264.4	400.8	726.4	695.8	834.9	709.7	793.2	748.7	885.0	370.2
87.5°	44.5	39.0	80.7	356.2	286.7	325.6	128.0	423.0	470.3	617.9	91.8
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°	2003.9	2003.9	2003.9	2003.9	2003.9	2003.9	2003.9	2003.9	2003.9	2003.9	2003.9
2.5°	2067.9	2048.4	2009.4	1959.3	1917.6	1864.7	1848.0	1811.8	1761.7	1756.2	1733.9
5°	1948.2	1881.4	1797.9	1694.9	1625.3	1553.0	1491.8	1455.6	1413.8	1408.3	1397.1
7.5°	1817.4	1733.9	1594.7	1472.3	1352.6	1238.5	1182.8	1113.3	1065.9	1029.8	1013.1
10°	1694.9	1617.0	1444.4	1277.5	1171.7	1096.6	1029.8	957.4	899.0	854.4	837.7
12.5°	1614.2	1522.4	1335.9	1177.3	1099.3	1013.1	937.9	860.0	784.8	726.4	695.8
15°	1578.0	1491.8	1302.5	1127.2	1013.1	893.4	807.1	729.2	637.3	595.6	581.7
17.5°	1664.3	1536.3	1291.4	1068.7	907.3	770.9	665.2	581.7	514.9	473.1	456.4
20°	1775.6	1617.0	1310.9	999.1	807.1	654.0	537.1	448.1	403.6	372.9	370.2
22.5°	1917.6	1736.7	1341.5	949.0	695.8	526.0	420.3	367.4	336.8	334.0	328.4
25°	2170.8	1953.8	1391.6	882.3	606.7	434.2	359.0	328.4	314.5	306.1	311.7
27.5°	2387.9	2095.7	1427.7	840.5	570.5	409.1	347.9	314.5	300.6	297.8	300.6
30°	2515.9	2226.5	1416.6	762.6	498.2	389.6	370.2	359.0	331.2	308.9	308.9
32.5°	2632.8	2310.0	1413.8	693.0	425.8	325.6	308.9	300.6	317.3	328.4	320.1
35°	2794.3	2440.8	1405.5	654.0	395.2	300.6	272.7	250.5	239.3	233.8	242.1
37.5°	2966.8	2529.9	1383.2	648.5	378.5	286.7	264.4	242.1	231.0	225.4	222.7
40°	3156.1	2624.5	1358.2	620.6	370.2	278.3	256.0	236.6	222.7	214.3	211.5
42.5°	3278.5	2699.6	1333.1	606.7	353.5	272.7	247.7	231.0	217.1	206.0	206.0
45°	3348.1	2788.7	1308.1	592.8	334.0	275.5	247.7	225.4	208.7	203.2	197.6
47.5°	3378.7	2855.5	1299.7	570.5	317.3	264.4	242.1	219.9	203.2	192.0	189.3
50°	3459.4	2997.4	1330.3	553.8	297.8	253.3	256.0	217.1	200.4	186.5	183.7
52.5°	3506.7	3111.5	1397.1	528.8	283.9	239.3	250.5	211.5	192.0	178.1	178.1
55°	3679.3	3300.8	1469.5	509.3	267.2	219.9	231.0	200.4	178.1	169.8	169.8
57.5°	3899.2	3501.2	1530.7	501.0	256.0	206.0	206.0	194.8	169.8	158.6	155.9
60°	4052.2	3665.4	1566.9	495.4	244.9	192.0	183.7	194.8	161.4	150.3	147.5
62.5°	4068.9	3570.8	1530.7	492.6	242.1	178.1	167.0	186.5	153.1	141.9	136.4
65°	3963.2	3378.7	1430.5	481.5	239.3	164.2	155.9	161.4	141.9	133.6	128.0
67.5°	3751.7	3067.0	1285.8	475.9	236.6	153.1	141.9	139.2	130.8	122.5	116.9
70°	3259.0	2660.7	1116.0	450.9	231.0	144.7	128.0	125.2	116.9	111.3	108.5
72.5°	2735.8	2176.4	921.2	417.5	219.9	130.8	116.9	111.3	108.5	100.2	97.4
75°	2095.7	1675.4	737.5	370.2	192.0	116.9	103.0	97.4	94.6	89.1	86.3
77.5°	1472.3	1246.8	545.5	300.6	161.4	105.8	91.8	86.3	83.5	75.1	75.1
80°	999.1	873.9	370.2	208.7	125.2	86.3	80.7	75.1	69.6	64.0	64.0
82.5°	620.6	612.3	267.2	136.4	91.8	69.6	64.0	64.0	55.7	50.1	50.1
85°	283.9	375.7	186.5	94.6	69.6	52.9	52.9	50.1	44.5	36.2	36.2
87.5°	89.1	125.2	97.4	41.7	39.0	30.6	30.6	27.8	27.8	22.3	22.3
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°	2003.9	2003.9	2003.9	2003.9	2003.9	2003.9	2003.9	2003.9	2003.9	2003.9	2003.9
2.5°	1756.2	1753.4	1753.4	1742.2	1770.1	1770.1	1786.8	1772.9	1781.2	1784.0	1806.3
5°	1394.3	1416.6	1433.3	1466.7	1486.2	1494.5	1494.5	1516.8	1508.5	1525.2	1558.6
7.5°	1021.4	1049.2	1099.3	1141.1	1174.5	1185.6	1182.8	1188.4	1196.7	1177.3	1182.8
10°	826.6	807.1	823.8	862.8	893.4	929.6	901.7	899.0	907.3	899.0	915.6
12.5°	690.2	668.0	654.0	654.0	676.3	693.0	684.6	698.6	729.2	737.5	757.0
15°	559.4	539.9	528.8	514.9	537.1	542.7	551.1	570.5	592.8	603.9	626.2
17.5°	448.1	448.1	448.1	437.0	445.3	453.6	456.4	481.5	484.3	495.4	503.7
20°	367.4	375.7	389.6	395.2	403.6	403.6	398.0	411.9	400.8	409.1	414.7
22.5°	331.2	342.3	347.9	350.7	361.8	364.6	350.7	353.5	356.2	347.9	350.7
25°	311.7	317.3	311.7	314.5	317.3	311.7	314.5	320.1	317.3	322.8	320.1
27.5°	303.4	297.8	295.0	292.2	292.2	286.7	289.4	289.4	295.0	297.8	297.8
30°	303.4	295.0	283.9	275.5	275.5	267.2	272.7	278.3	281.1	286.7	286.7
32.5°	311.7	295.0	275.5	267.2	258.8	253.3	258.8	267.2	278.3	281.1	283.9
35°	247.7	256.0	253.3	242.1	239.3	239.3	236.6	236.6	228.2	228.2	225.4
37.5°	222.7	219.9	225.4	228.2	231.0	222.7	222.7	211.5	208.7	211.5	211.5
40°	208.7	208.7	208.7	217.1	219.9	214.3	206.0	200.4	200.4	200.4	203.2
42.5°	203.2	197.6	194.8	200.4	208.7	203.2	194.8	192.0	192.0	194.8	194.8
45°	194.8	192.0	189.3	186.5	197.6	189.3	186.5	183.7	183.7	183.7	186.5
47.5°	186.5	183.7	178.1	178.1	180.9	178.1	175.3	175.3	175.3	180.9	180.9
50°	180.9	178.1	172.6	172.6	172.6	172.6	169.8	169.8	169.8	172.6	175.3
52.5°	172.6	169.8	167.0	164.2	164.2	164.2	164.2	164.2	164.2	167.0	169.8
55°	164.2	161.4	158.6	158.6	161.4	161.4	158.6	161.4	158.6	161.4	164.2
57.5°	155.9	153.1	150.3	153.1	155.9	153.1	153.1	153.1	153.1	153.1	155.9
60°	144.7	144.7	144.7	144.7	150.3	150.3	150.3	150.3	144.7	147.5	150.3
62.5°	139.2	136.4	136.4	139.2	141.9	141.9	144.7	141.9	139.2	141.9	141.9
65°	128.0	128.0	128.0	130.8	130.8	133.6	133.6	133.6	130.8	133.6	133.6
67.5°	119.7	119.7	119.7	119.7	125.2	125.2	125.2	125.2	122.5	122.5	125.2
70°	105.8	108.5	105.8	111.3	116.9	114.1	116.9	116.9	114.1	111.3	116.9
72.5°	97.4	97.4	97.4	97.4	105.8	105.8	105.8	108.5	105.8	103.0	105.8
75°	86.3	86.3	86.3	89.1	94.6	94.6	94.6	94.6	94.6	91.8	91.8
77.5°	75.1	77.9	75.1	77.9	83.5	80.7	83.5	86.3	83.5	80.7	80.7
80°	64.0	64.0	64.0	66.8	69.6	69.6	69.6	72.4	69.6	66.8	66.8
82.5°	50.1	50.1	52.9	52.9	55.7	55.7	55.7	58.4	55.7	52.9	52.9
85°	39.0	39.0	39.0	41.7	41.7	44.5	44.5	47.3	47.3	44.5	44.5
87.5°	25.0	22.3	25.0	25.0	27.8	27.8	25.0	22.3	25.0	22.3	19.5
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°	2003.9	2003.9	2003.9	2003.9	2003.9	2003.9	2003.9	2003.9	2003.9	2003.9
2.5°	1828.5	1878.6	1914.8	1939.8	1976.0	2045.6	2073.4	2123.5	2137.4	2145.8
5°	1572.5	1625.3	1703.3	1758.9	1822.9	1953.8	2053.9	2129.1	2162.5	2193.1
7.5°	1232.9	1302.5	1383.2	1455.6	1561.3	1722.8	1853.6	2009.4	2067.9	2098.5
10°	963.0	1027.0	1116.0	1205.1	1352.6	1489.0	1675.4	1817.4	1898.1	1920.4
12.5°	812.7	887.8	993.6	1102.1	1194.0	1349.8	1539.1	1745.0	1820.2	1834.1
15°	690.2	793.2	901.7	1013.1	1118.8	1255.2	1458.4	1708.8	1820.2	1834.1
17.5°	570.5	662.4	790.4	910.1	1032.5	1219.0	1472.3	1739.5	1850.8	1892.5
20°	453.6	542.7	642.9	793.2	960.2	1157.8	1502.9	1842.4	1989.9	2034.5
22.5°	375.7	414.7	512.1	656.8	854.4	1116.0	1533.5	2003.9	2159.7	2176.4
25°	328.4	356.2	417.5	553.8	770.9	1088.2	1605.9	2190.3	2390.7	2390.7
27.5°	306.1	317.3	359.0	481.5	712.5	1063.2	1678.2	2396.3	2582.7	2621.7
30°	300.6	328.4	350.7	428.6	648.5	993.6	1745.0	2557.7	2749.7	2752.5
32.5°	295.0	289.4	306.1	372.9	570.5	921.2	1800.7	2721.9	2872.2	2880.5
35°	231.0	242.1	270.0	328.4	512.1	868.3	1828.5	2811.0	3028.0	3036.4
37.5°	217.1	231.0	253.3	303.4	473.1	823.8	1836.9	2983.5	3192.2	3208.9
40°	211.5	222.7	239.3	281.1	442.5	768.1	1853.6	3161.6	3434.4	3412.1
42.5°	200.4	214.3	231.0	270.0	417.5	726.4	1856.3	3259.0	3562.4	3562.4
45°	197.6	206.0	225.4	270.0	389.6	690.2	1811.8	3356.5	3709.9	3665.4
47.5°	186.5	203.2	219.9	261.6	356.2	654.0	1758.9	3406.5	3729.4	3715.5
50°	183.7	200.4	228.2	247.7	336.8	637.3	1747.8	3531.8	3768.4	3765.6
52.5°	178.1	194.8	236.6	236.6	311.7	615.1	1800.7	3587.5	3776.7	3799.0
55°	169.8	194.8	219.9	217.1	289.4	587.2	1859.1	3732.2	3924.2	3918.6
57.5°	164.2	189.3	208.7	197.6	264.4	567.8	1945.4	3871.3	4102.3	4063.4
60°	155.9	189.3	186.5	183.7	244.9	551.1	2017.8	3899.2	4141.3	4166.3
62.5°	150.3	197.6	164.2	169.8	228.2	542.7	1987.2	3690.4	4088.4	4110.7
65°	144.7	169.8	150.3	155.9	222.7	526.0	1867.5	3439.9	3860.2	3957.6
67.5°	133.6	139.2	139.2	144.7	217.1	487.0	1622.6	2989.1	3512.3	3565.2
70°	122.5	125.2	125.2	133.6	211.5	442.5	1338.7	2585.5	3047.5	3147.7
72.5°	111.3	111.3	111.3	122.5	194.8	406.3	1102.1	1987.2	2532.6	2602.2
75°	97.4	97.4	97.4	108.5	175.3	370.2	868.3	1477.8	1864.7	1964.9
77.5°	86.3	86.3	83.5	97.4	153.1	300.6	626.2	1043.7	1313.6	1397.1
80°	72.4	69.6	69.6	77.9	119.7	217.1	403.6	737.5	915.6	951.8
82.5°	58.4	55.7	52.9	58.4	86.3	136.4	250.5	514.9	587.2	565.0
85°	55.7	58.4	47.3	44.5	61.2	89.1	158.6	317.3	264.4	264.4
87.5°	22.3	19.5	19.5	16.7	30.6	33.4	69.6	58.4	44.5	44.5
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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