

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: P675883

Luminaire Tested: **CCW-SA-2C-827-U-SLL**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P675883
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-2C-827-U-SLL
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @615mA w/
SLL distribution lens
Light Source: (32) 2700K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

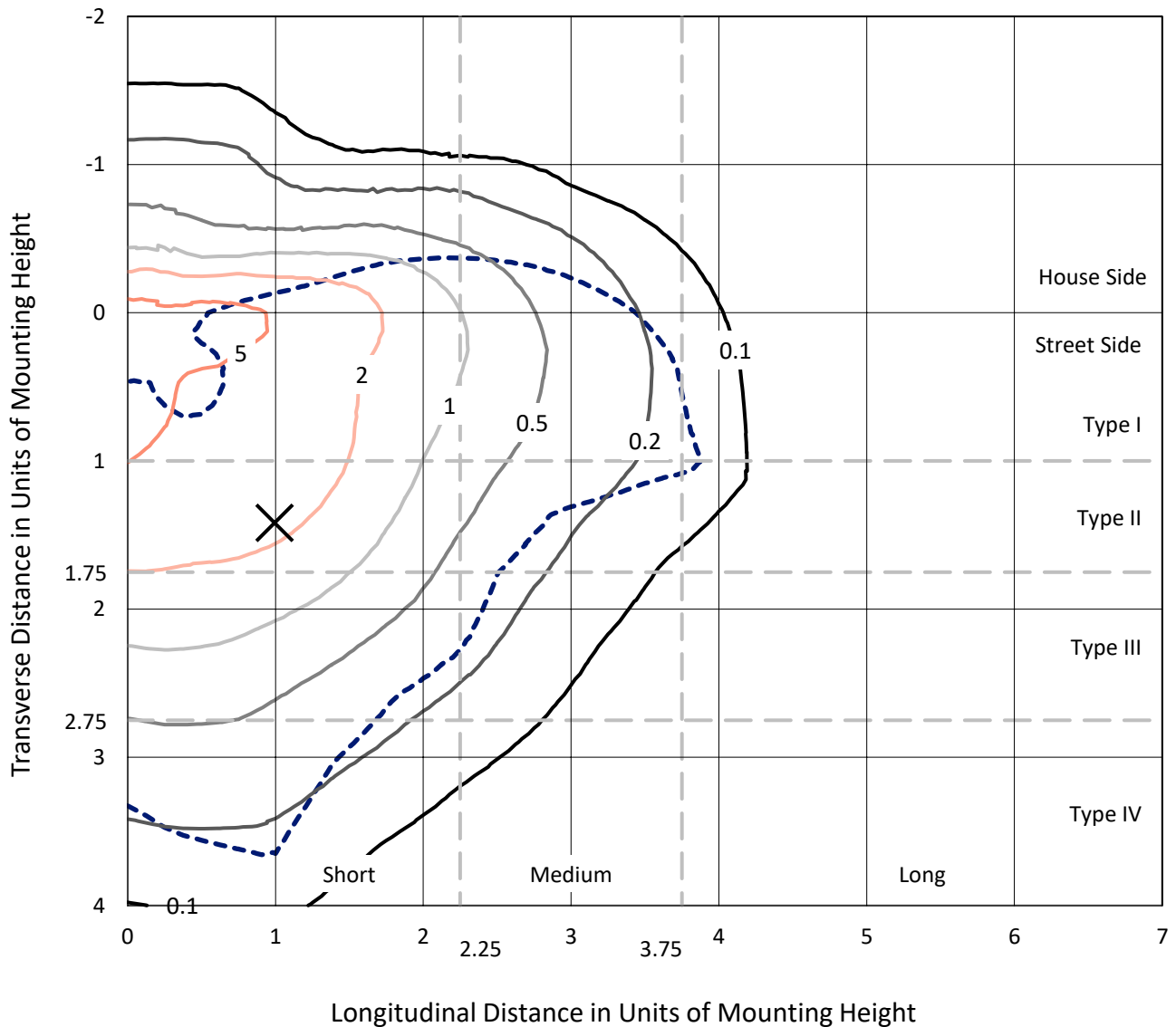
Lumens per Lamp: N/A
Luminaire Lumens: 5514.7 lumens
Efficiency: N/A
Efficacy: 88.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

Input Watts (W): 62.1
Input Voltage (V): 120
Input Current (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

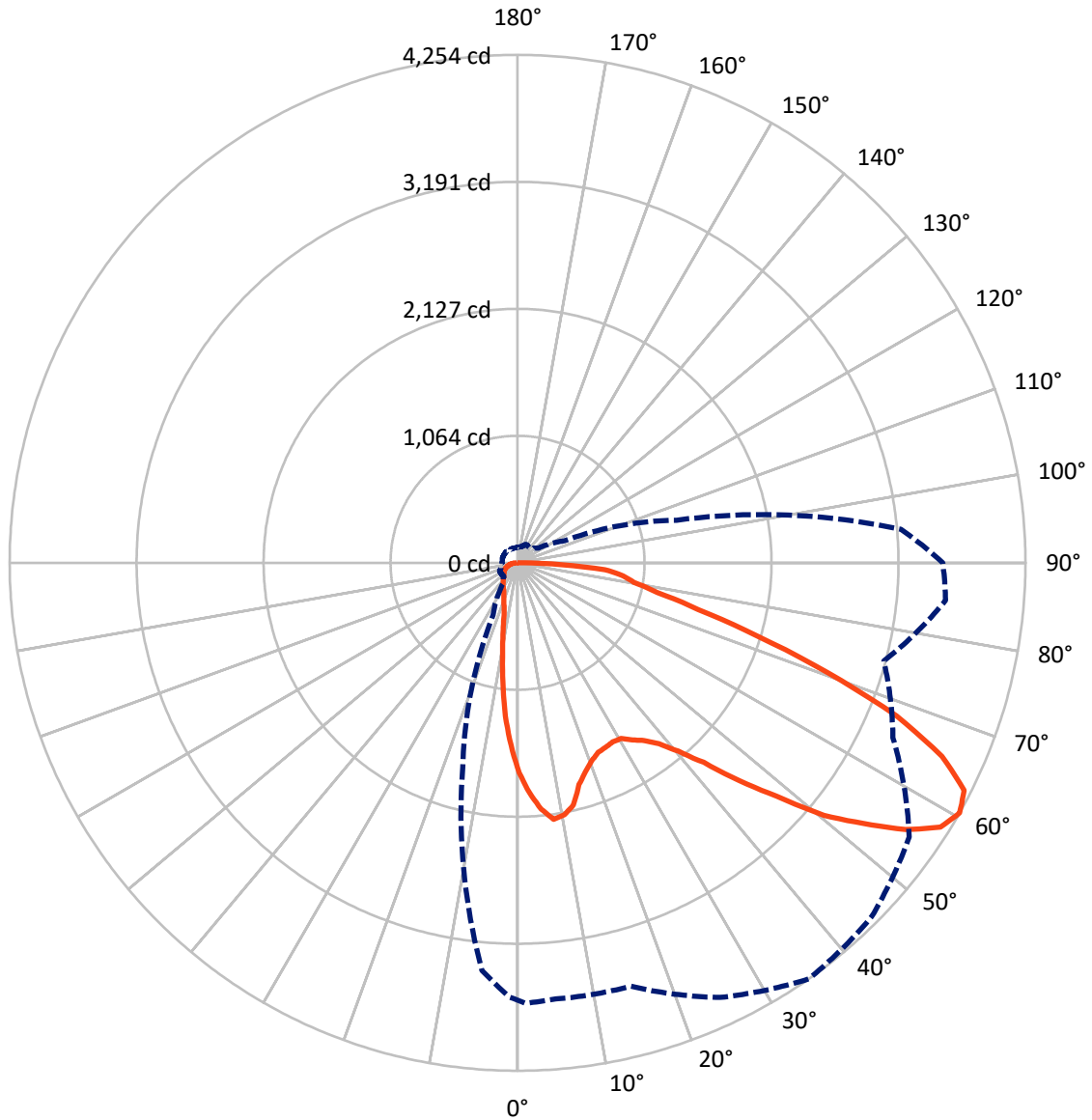
✕ Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 8.9 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	1049.5	0.0	1049.5
	% Fixture	19.0	0.0	19.0
Street Side	Lumens	4465.2	0.0	4465.2
	% Fixture	81.0	0.0	81.0
Total	Lumens	5514.7	0.0	5514.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	136.8	2.5
10°-20°	288.9	5.2
20°-30°	422.7	7.7
30°-40°	595.6	10.8
40°-50°	818.5	14.8
50°-60°	1115.5	20.2
60°-70°	1220.8	22.1
70°-80°	704.8	12.8
80°-90°	211.1	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°	5514.7	100.0
0°-180°	5514.7	100.0

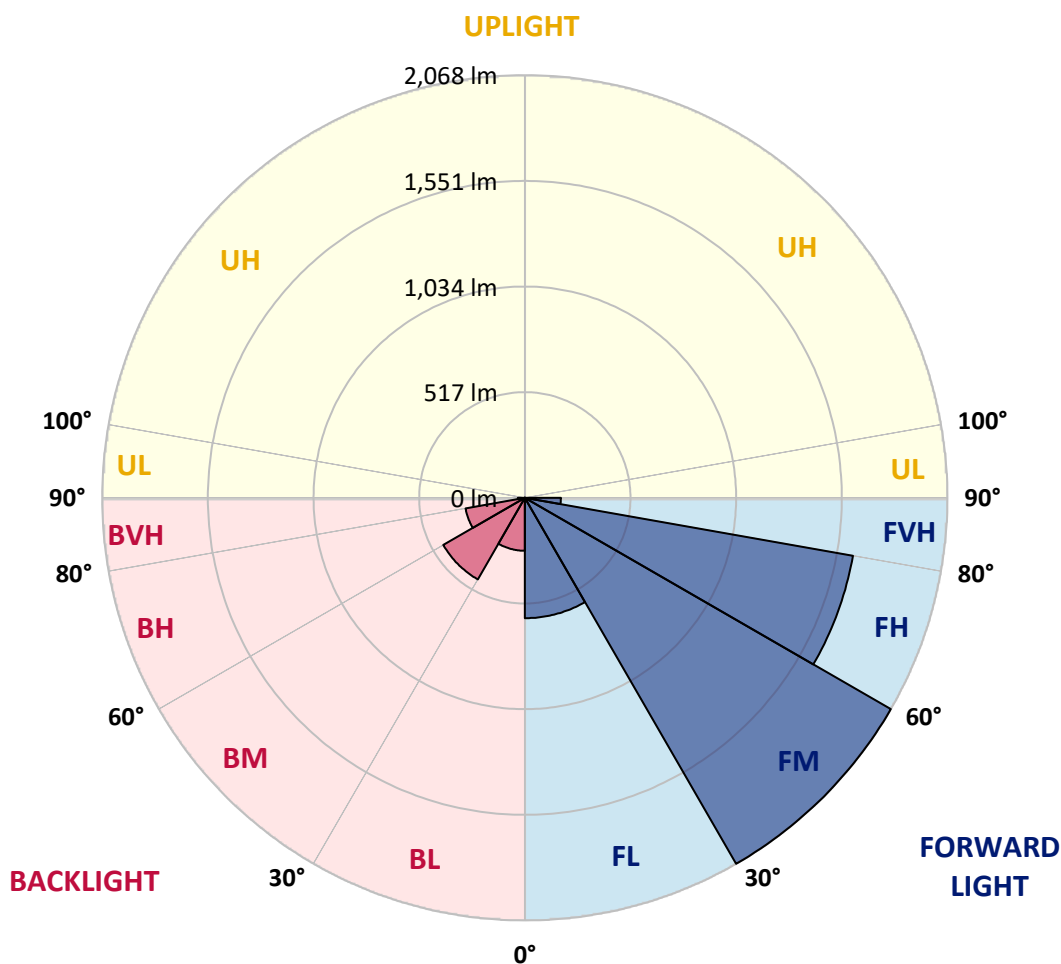


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	589.1	10.7			
FM	(30°-60°)	2068.5	37.5			
FH	(60°-80°)	1630.9	29.6			G1/1800
FVH	(80°-90°)	176.7	3.2			G2/225
BL	(0°-30°)	259.3	4.7	B1/500		
BM	(30°-60°)	461.0	8.4	B1/1000		
BH	(60°-80°)	294.8	5.3	B1/500		G1/500
BVH	(80°-90°)	34.4	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°	1761.4	1761.4	1761.4	1761.4	1761.4	1761.4	1761.4	1761.4	1761.4	1761.4	1761.4
2.5°	1886.1	1878.8	1886.1	1913.0	1920.4	1932.6	1932.6	1915.5	1883.7	1869.0	1844.5
5°	1927.7	1915.5	1976.6	2032.9	2076.9	2072.1	2030.5	1996.2	1932.6	1837.2	1746.7
7.5°	1844.5	1856.8	1900.8	2047.6	2150.3	2169.9	2103.9	2035.4	1898.4	1766.3	1643.9
10°	1688.0	1705.1	1800.5	1952.2	2113.6	2145.4	2103.9	2020.7	1856.8	1692.9	1551.0
12.5°	1612.1	1651.3	1707.5	1891.0	2006.0	2081.8	2062.3	2008.4	1825.0	1631.7	1494.7
15°	1612.1	1621.9	1705.1	1859.2	1925.3	1927.7	1935.1	1944.8	1834.8	1658.6	1475.1
17.5°	1663.5	1690.4	1761.4	1856.8	1869.0	1839.7	1839.7	1881.2	1854.3	1734.5	1546.1
20°	1788.3	1778.5	1871.5	1910.6	1844.5	1771.2	1763.8	1834.8	1876.3	1815.2	1675.7
22.5°	1913.0	1957.1	2032.9	1944.8	1822.5	1724.7	1714.9	1803.0	1942.4	1954.6	1825.0
25°	2101.4	2145.4	2184.6	2076.9	1820.1	1712.4	1719.8	1788.3	2023.1	2152.8	2074.5
27.5°	2304.5	2331.4	2387.6	2221.3	1878.8	1697.8	1705.1	1807.8	2099.0	2282.4	2270.2
30°	2419.4	2448.8	2436.6	2248.2	1917.9	1707.5	1688.0	1834.8	2057.4	2282.4	2397.4
32.5°	2532.0	2514.8	2507.5	2292.2	1966.9	1768.7	1719.8	1891.0	2081.8	2319.1	2561.3
35°	2669.0	2644.5	2624.9	2377.8	2047.6	1827.4	1805.4	1964.4	2135.7	2395.0	2693.4
37.5°	2820.6	2820.6	2725.2	2441.5	2143.0	1922.8	1898.4	2069.6	2221.3	2441.5	2874.5
40°	2999.2	3006.6	2837.8	2527.1	2250.6	2074.5	2067.2	2206.6	2304.5	2509.9	3048.1
42.5°	3131.3	3136.2	2935.6	2558.9	2375.4	2284.9	2316.7	2426.8	2399.9	2571.1	3060.4
45°	3221.8	3197.4	3004.1	2649.4	2512.4	2600.5	2610.2	2642.1	2524.6	2607.8	3109.3
47.5°	3265.9	3261.0	3033.5	2754.6	2801.1	2920.9	2977.2	2933.2	2639.6	2568.7	3109.3
50°	3309.9	3268.3	3060.4	2898.9	3082.4	3324.6	3312.4	3231.6	2798.6	2617.6	3062.8
52.5°	3339.3	3302.6	3114.2	3028.6	3351.5	3625.5	3674.4	3525.2	2984.5	2708.1	3084.8
55°	3444.5	3415.1	3275.7	3204.7	3662.2	3943.5	3950.8	3742.9	3180.2	2857.3	3229.2
57.5°	3571.7	3588.8	3498.3	3454.2	3899.5	4175.9	4149.0	3904.4	3346.6	3038.4	3395.5
60°	3662.2	3689.1	3667.1	3672.0	4016.9	4254.2	4193.0	4004.7	3468.9	3175.4	3598.6
62.5°	3613.3	3667.1	3757.6	3738.0	4021.8	4197.9	4112.3	3872.6	3483.6	3353.9	3752.7
65°	3478.7	3483.6	3659.7	3767.4	3801.6	3906.8	3794.3	3596.1	3331.9	3464.0	3730.7
67.5°	3133.8	3172.9	3331.9	3542.3	3398.0	3422.4	3412.7	3126.4	3102.0	3388.2	3561.9
70°	2766.8	2793.7	2967.4	3214.5	2869.6	2754.6	2776.6	2563.8	2664.1	3153.3	3221.8
72.5°	2287.3	2304.5	2502.6	2720.3	2302.0	2096.5	2147.9	1974.2	2116.1	2759.5	2717.9
75°	1727.1	1758.9	1913.0	2169.9	1695.3	1563.2	1614.6	1543.6	1675.7	2272.7	2108.7
77.5°	1228.1	1203.6	1394.4	1697.8	1274.5	1196.3	1201.2	1213.4	1355.3	1915.5	1514.3
80°	836.6	844.0	1015.2	1245.2	1000.6	988.3	976.1	1073.9	1137.6	1516.7	1100.9
82.5°	496.6	496.6	685.0	885.6	790.2	890.5	834.2	922.3	890.5	1115.5	721.7
85°	232.4	232.4	352.3	638.5	611.6	733.9	623.8	697.2	658.1	777.9	325.4
87.5°	39.1	34.2	70.9	313.1	252.0	286.2	112.5	371.8	413.4	543.1	80.7
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°	1761.4	1761.4	1761.4	1761.4	1761.4	1761.4	1761.4	1761.4	1761.4	1761.4	1761.4
2.5°	1817.6	1800.5	1766.3	1722.2	1685.5	1639.1	1624.4	1592.6	1548.5	1543.6	1524.1
5°	1712.4	1653.7	1580.3	1489.8	1428.7	1365.1	1311.2	1279.4	1242.7	1237.9	1228.1
7.5°	1597.5	1524.1	1401.8	1294.1	1188.9	1088.6	1039.7	978.5	936.9	905.1	890.5
10°	1489.8	1421.3	1269.7	1122.9	1029.9	963.9	905.1	841.5	790.2	751.0	736.3
12.5°	1418.9	1338.2	1174.2	1034.8	966.3	890.5	824.4	755.9	689.9	638.5	611.6
15°	1387.1	1311.2	1144.9	990.8	890.5	785.3	709.4	640.9	560.2	523.5	511.3
17.5°	1462.9	1350.4	1135.1	939.4	797.5	677.6	584.7	511.3	452.6	415.9	401.2
20°	1560.8	1421.3	1152.2	878.2	709.4	574.9	472.1	393.9	354.7	327.8	325.4
22.5°	1685.5	1526.5	1179.1	834.2	611.6	462.4	369.4	322.9	296.0	293.6	288.7
25°	1908.1	1717.3	1223.2	775.5	533.3	381.6	315.6	288.7	276.4	269.1	274.0
27.5°	2099.0	1842.1	1255.0	738.8	501.5	359.6	305.8	276.4	264.2	261.8	264.2
30°	2211.5	1957.1	1245.2	670.3	437.9	342.5	325.4	315.6	291.1	271.5	271.5
32.5°	2314.2	2030.5	1242.7	609.1	374.3	286.2	271.5	264.2	278.9	288.7	281.3
35°	2456.1	2145.4	1235.4	574.9	347.4	264.2	239.7	220.2	210.4	205.5	212.8
37.5°	2607.8	2223.7	1215.8	570.0	332.7	252.0	232.4	212.8	203.0	198.2	195.7
40°	2774.2	2306.9	1193.8	545.5	325.4	244.6	225.1	207.9	195.7	188.4	185.9
42.5°	2881.8	2373.0	1171.8	533.3	310.7	239.7	217.7	203.0	190.8	181.0	181.0
45°	2943.0	2451.2	1149.8	521.1	293.6	242.2	217.7	198.2	183.5	178.6	173.7
47.5°	2969.9	2509.9	1142.4	501.5	278.9	232.4	212.8	193.3	178.6	168.8	166.4
50°	3040.8	2634.7	1169.4	486.8	261.8	222.6	225.1	190.8	176.1	163.9	161.5
52.5°	3082.4	2735.0	1228.1	464.8	249.5	210.4	220.2	185.9	168.8	156.6	156.6
55°	3234.1	2901.4	1291.7	447.7	234.8	193.3	203.0	176.1	156.6	149.2	149.2
57.5°	3427.3	3077.5	1345.5	440.3	225.1	181.0	181.0	171.2	149.2	139.4	137.0
60°	3561.9	3221.8	1377.3	435.4	215.3	168.8	161.5	171.2	141.9	132.1	129.7
62.5°	3576.6	3138.7	1345.5	433.0	212.8	156.6	146.8	163.9	134.5	124.8	119.9
65°	3483.6	2969.9	1257.4	423.2	210.4	144.3	137.0	141.9	124.8	117.4	112.5
67.5°	3297.7	2695.9	1130.2	418.3	207.9	134.5	124.8	122.3	115.0	107.6	102.7
70°	2864.7	2338.7	981.0	396.3	203.0	127.2	112.5	110.1	102.7	97.9	95.4
72.5°	2404.8	1913.0	809.7	367.0	193.3	115.0	102.7	97.9	95.4	88.1	85.6
75°	1842.1	1472.7	648.3	325.4	168.8	102.7	90.5	85.6	83.2	78.3	75.8
77.5°	1294.1	1096.0	479.5	264.2	141.9	93.0	80.7	75.8	73.4	66.1	66.1
80°	878.2	768.2	325.4	183.5	110.1	75.8	70.9	66.1	61.2	56.3	56.3
82.5°	545.5	538.2	234.8	119.9	80.7	61.2	56.3	56.3	48.9	44.0	44.0
85°	249.5	330.3	163.9	83.2	61.2	46.5	46.5	44.0	39.1	31.8	31.8
87.5°	78.3	110.1	85.6	36.7	34.2	26.9	26.9	24.5	24.5	19.6	19.6
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°	1761.4	1761.4	1761.4	1761.4	1761.4	1761.4	1761.4	1761.4	1761.4	1761.4	1761.4
2.5°	1543.6	1541.2	1541.2	1531.4	1555.9	1555.9	1570.6	1558.3	1565.7	1568.1	1587.7
5°	1225.6	1245.2	1259.9	1289.2	1306.3	1313.7	1313.7	1333.3	1325.9	1340.6	1370.0
7.5°	897.8	922.3	966.3	1003.0	1032.4	1042.1	1039.7	1044.6	1051.9	1034.8	1039.7
10°	726.6	709.4	724.1	758.4	785.3	817.1	792.6	790.2	797.5	790.2	804.8
12.5°	606.7	587.1	574.9	574.9	594.5	609.1	601.8	614.0	640.9	648.3	665.4
15°	491.7	474.6	464.8	452.6	472.1	477.0	484.4	501.5	521.1	530.9	550.4
17.5°	393.9	393.9	393.9	384.1	391.4	398.8	401.2	423.2	425.7	435.4	442.8
20°	322.9	330.3	342.5	347.4	354.7	354.7	349.8	362.1	352.3	359.6	364.5
22.5°	291.1	300.9	305.8	308.2	318.0	320.5	308.2	310.7	313.1	305.8	308.2
25°	274.0	278.9	274.0	276.4	278.9	274.0	276.4	281.3	278.9	283.8	281.3
27.5°	266.7	261.8	259.3	256.9	256.9	252.0	254.4	254.4	259.3	261.8	261.8
30°	266.7	259.3	249.5	242.2	242.2	234.8	239.7	244.6	247.1	252.0	252.0
32.5°	274.0	259.3	242.2	234.8	227.5	222.6	227.5	234.8	244.6	247.1	249.5
35°	217.7	225.1	222.6	212.8	210.4	210.4	207.9	207.9	200.6	200.6	198.2
37.5°	195.7	193.3	198.2	200.6	203.0	195.7	195.7	185.9	183.5	185.9	185.9
40°	183.5	183.5	183.5	190.8	193.3	188.4	181.0	176.1	176.1	176.1	178.6
42.5°	178.6	173.7	171.2	176.1	183.5	178.6	171.2	168.8	168.8	171.2	171.2
45°	171.2	168.8	166.4	163.9	173.7	166.4	163.9	161.5	161.5	161.5	163.9
47.5°	163.9	161.5	156.6	156.6	159.0	156.6	154.1	154.1	154.1	159.0	159.0
50°	159.0	156.6	151.7	151.7	151.7	151.7	149.2	149.2	149.2	151.7	154.1
52.5°	151.7	149.2	146.8	144.3	144.3	144.3	144.3	144.3	144.3	146.8	149.2
55°	144.3	141.9	139.4	139.4	141.9	141.9	139.4	141.9	139.4	141.9	144.3
57.5°	137.0	134.5	132.1	134.5	137.0	134.5	134.5	134.5	134.5	134.5	137.0
60°	127.2	127.2	127.2	127.2	132.1	132.1	132.1	132.1	127.2	129.7	132.1
62.5°	122.3	119.9	119.9	122.3	124.8	124.8	127.2	124.8	122.3	124.8	124.8
65°	112.5	112.5	112.5	115.0	115.0	117.4	117.4	117.4	115.0	117.4	117.4
67.5°	105.2	105.2	105.2	105.2	110.1	110.1	110.1	110.1	107.6	107.6	110.1
70°	93.0	95.4	93.0	97.9	102.7	100.3	102.7	102.7	100.3	97.9	102.7
72.5°	85.6	85.6	85.6	85.6	93.0	93.0	93.0	95.4	93.0	90.5	93.0
75°	75.8	75.8	75.8	78.3	83.2	83.2	83.2	83.2	83.2	80.7	80.7
77.5°	66.1	68.5	66.1	68.5	73.4	70.9	73.4	75.8	73.4	70.9	70.9
80°	56.3	56.3	56.3	58.7	61.2	61.2	61.2	63.6	61.2	58.7	58.7
82.5°	44.0	44.0	46.5	46.5	48.9	48.9	48.9	51.4	48.9	46.5	46.5
85°	34.2	34.2	34.2	36.7	36.7	39.1	39.1	41.6	41.6	39.1	39.1
87.5°	22.0	19.6	22.0	22.0	24.5	24.5	22.0	19.6	22.0	19.6	17.1
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°	1761.4	1761.4	1761.4	1761.4	1761.4	1761.4	1761.4	1761.4	1761.4	1761.4
2.5°	1607.2	1651.3	1683.1	1705.1	1736.9	1798.1	1822.5	1866.6	1878.8	1886.1
5°	1382.2	1428.7	1497.2	1546.1	1602.4	1717.3	1805.4	1871.5	1900.8	1927.7
7.5°	1083.7	1144.9	1215.8	1279.4	1372.4	1514.3	1629.3	1766.3	1817.6	1844.5
10°	846.4	902.7	981.0	1059.3	1188.9	1308.8	1472.7	1597.5	1668.4	1688.0
12.5°	714.3	780.4	873.3	968.8	1049.5	1186.5	1352.8	1533.9	1599.9	1612.1
15°	606.7	697.2	792.6	890.5	983.4	1103.3	1281.9	1502.1	1599.9	1612.1
17.5°	501.5	582.2	694.8	800.0	907.6	1071.5	1294.1	1529.0	1626.8	1663.5
20°	398.8	477.0	565.1	697.2	844.0	1017.7	1321.0	1619.5	1749.1	1788.3
22.5°	330.3	364.5	450.1	577.3	751.0	981.0	1347.9	1761.4	1898.4	1913.0
25°	288.7	313.1	367.0	486.8	677.6	956.5	1411.5	1925.3	2101.4	2101.4
27.5°	269.1	278.9	315.6	423.2	626.3	934.5	1475.1	2106.3	2270.2	2304.5
30°	264.2	288.7	308.2	376.7	570.0	873.3	1533.9	2248.2	2417.0	2419.4
32.5°	259.3	254.4	269.1	327.8	501.5	809.7	1582.8	2392.5	2524.6	2532.0
35°	203.0	212.8	237.3	288.7	450.1	763.3	1607.2	2470.8	2661.6	2669.0
37.5°	190.8	203.0	222.6	266.7	415.9	724.1	1614.6	2622.5	2806.0	2820.6
40°	185.9	195.7	210.4	247.1	389.0	675.2	1629.3	2779.0	3018.8	2999.2
42.5°	176.1	188.4	203.0	237.3	367.0	638.5	1631.7	2864.7	3131.3	3131.3
45°	173.7	181.0	198.2	237.3	342.5	606.7	1592.6	2950.3	3261.0	3221.8
47.5°	163.9	178.6	193.3	230.0	313.1	574.9	1546.1	2994.3	3278.1	3265.9
50°	161.5	176.1	200.6	217.7	296.0	560.2	1536.3	3104.4	3312.4	3309.9
52.5°	156.6	171.2	207.9	207.9	274.0	540.6	1582.8	3153.3	3319.7	3339.3
55°	149.2	171.2	193.3	190.8	254.4	516.2	1634.2	3280.5	3449.3	3444.5
57.5°	144.3	166.4	183.5	173.7	232.4	499.1	1710.0	3402.9	3605.9	3571.7
60°	137.0	166.4	163.9	161.5	215.3	484.4	1773.6	3427.3	3640.2	3662.2
62.5°	132.1	173.7	144.3	149.2	200.6	477.0	1746.7	3243.9	3593.7	3613.3
65°	127.2	149.2	132.1	137.0	195.7	462.4	1641.5	3023.7	3393.1	3478.7
67.5°	117.4	122.3	122.3	127.2	190.8	428.1	1426.2	2627.4	3087.3	3133.8
70°	107.6	110.1	110.1	117.4	185.9	389.0	1176.7	2272.7	2678.7	2766.8
72.5°	97.9	97.9	97.9	107.6	171.2	357.2	968.8	1746.7	2226.2	2287.3
75°	85.6	85.6	85.6	95.4	154.1	325.4	763.3	1299.0	1639.1	1727.1
77.5°	75.8	75.8	73.4	85.6	134.5	264.2	550.4	917.4	1154.7	1228.1
80°	63.6	61.2	61.2	68.5	105.2	190.8	354.7	648.3	804.8	836.6
82.5°	51.4	48.9	46.5	51.4	75.8	119.9	220.2	452.6	516.2	496.6
85°	48.9	51.4	41.6	39.1	53.8	78.3	139.4	278.9	232.4	232.4
87.5°	19.6	17.1	17.1	14.7	26.9	29.4	61.2	51.4	39.1	39.1
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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