

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: P675828

Luminaire Tested: **CCW-SA-2C-730-U-SLL**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P675828
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-2C-730-U-SLL
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @615mA w/
SLL distribution lens
Light Source: (32) 3000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

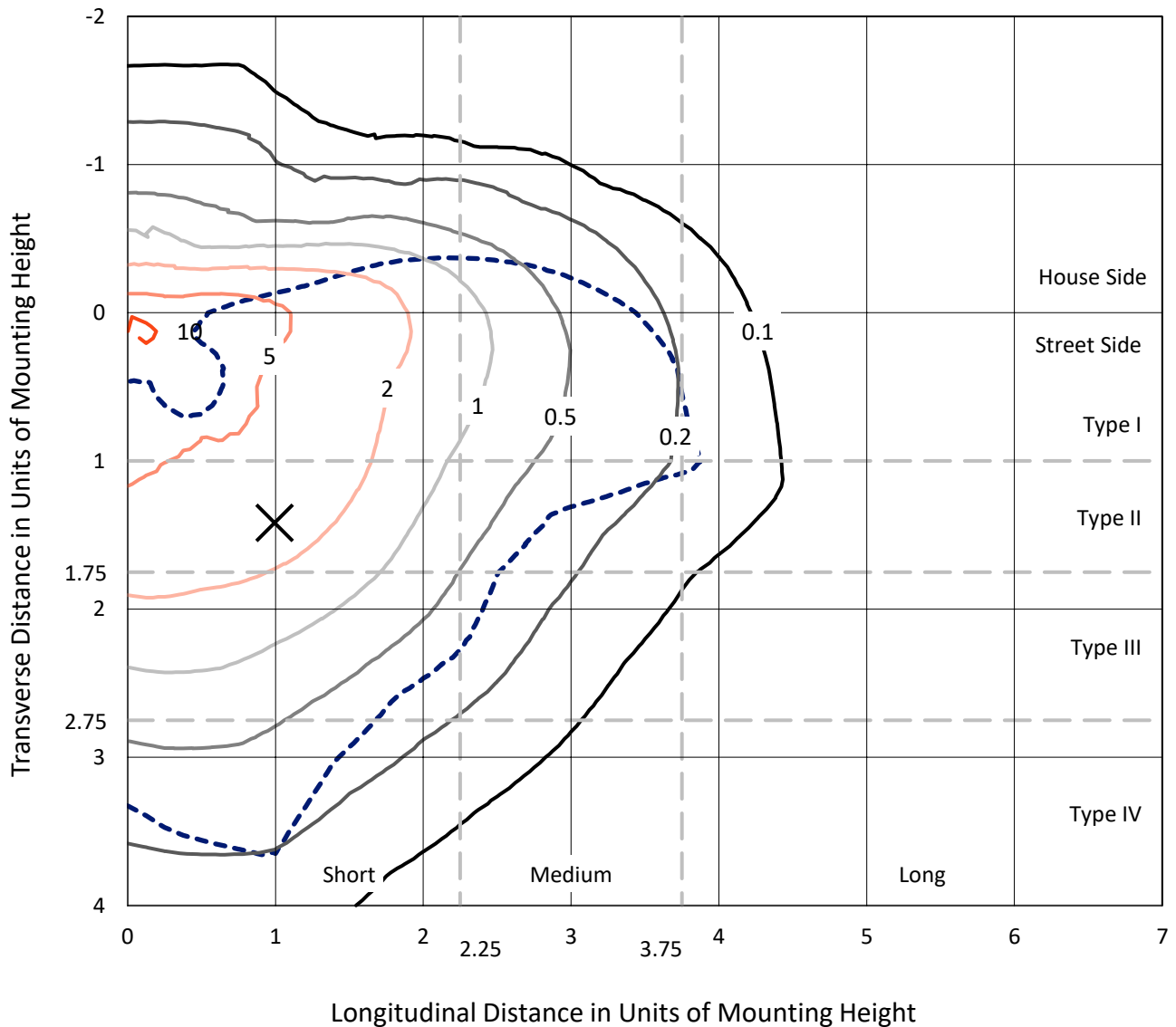
Lumens per Lamp: N/A
Luminaire Lumens: 6831.3 lumens
Efficiency: N/A
Efficacy: 110.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

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

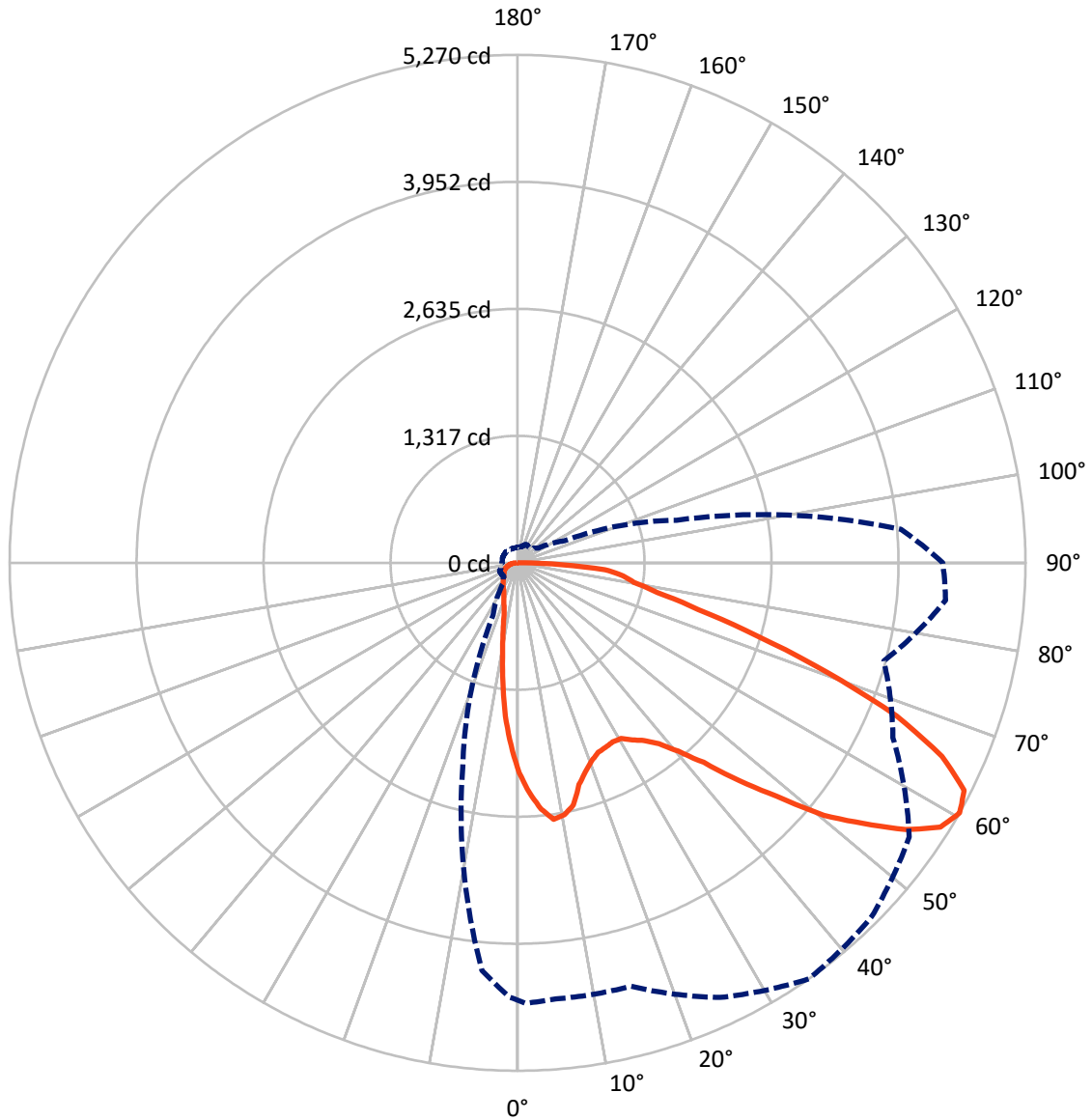
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 11.1 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	1300.1	0.0	1300.1
	% Fixture	19.0	0.0	19.0
Street Side	Lumens	5531.2	0.0	5531.2
	% Fixture	81.0	0.0	81.0
Total	Lumens	6831.3	0.0	6831.3
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	169.5	2.5
10°-20°	357.9	5.2
20°-30°	523.6	7.7
30°-40°	737.7	10.8
40°-50°	1013.9	14.8
50°-60°	1381.8	20.2
60°-70°	1512.3	22.1
70°-80°	873.1	12.8
80°-90°	261.5	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°	6831.3	100.0
0°-180°	6831.3	100.0

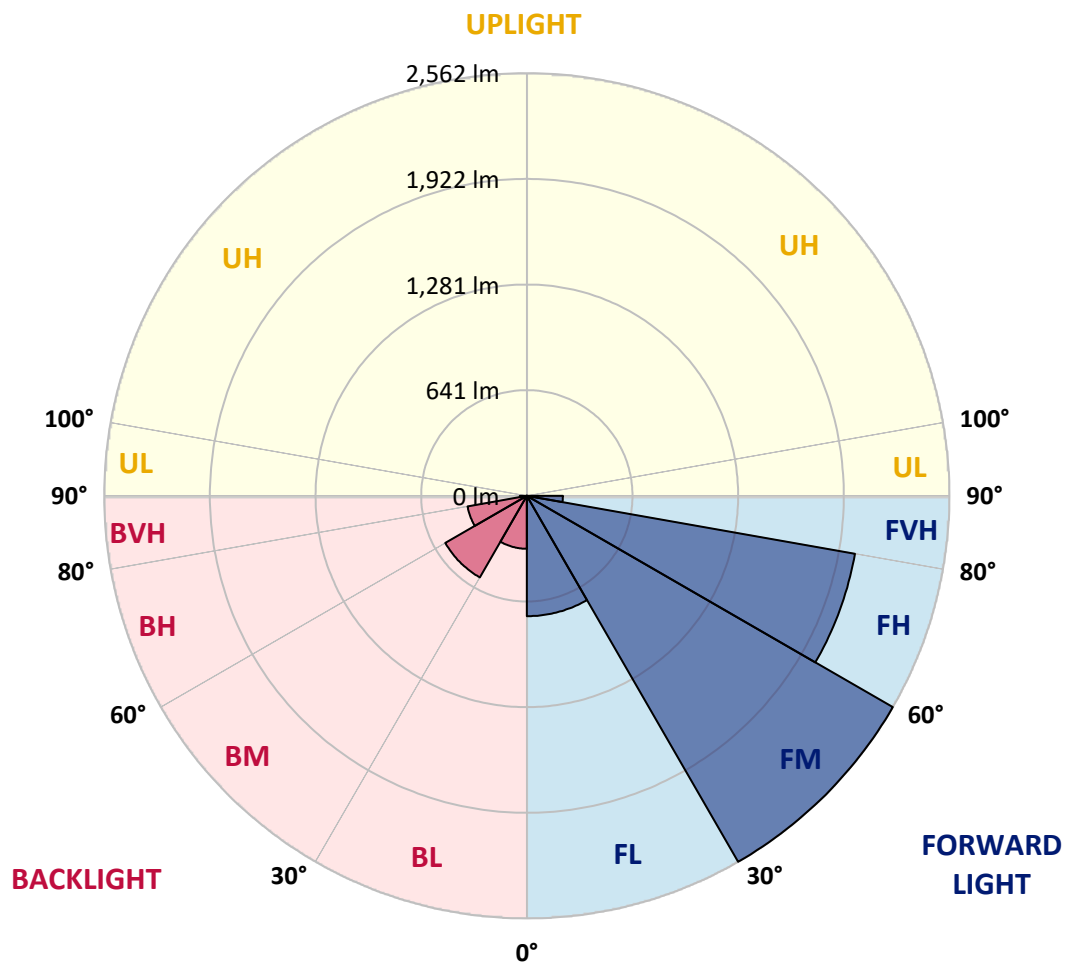


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	729.8	10.7			
FM (30°-60°)	2562.3	37.5			
FH (60°-80°)	2020.3	29.6			G2/5000
FVH (80°-90°)	218.9	3.2			G2/225
BL (0°-30°)	321.2	4.7	B1/500		
BM (30°-60°)	571.1	8.4	B1/1000		
BH (60°-80°)	365.2	5.3	B1/500		G1/500
BVH (80°-90°)	42.6	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°	2181.9	2181.9	2181.9	2181.9	2181.9	2181.9	2181.9	2181.9	2181.9	2181.9	2181.9
2.5°	2336.4	2327.3	2336.4	2369.8	2378.9	2394.0	2394.0	2372.8	2333.4	2315.2	2284.9
5°	2387.9	2372.8	2448.6	2518.3	2572.8	2566.7	2515.2	2472.8	2394.0	2275.8	2163.7
7.5°	2284.9	2300.1	2354.6	2536.4	2663.7	2688.0	2606.1	2521.3	2351.6	2187.9	2036.4
10°	2091.0	2112.2	2230.4	2418.3	2618.3	2657.7	2606.1	2503.1	2300.1	2097.0	1921.3
12.5°	1997.0	2045.5	2115.2	2342.5	2484.9	2578.9	2554.6	2488.0	2260.7	2021.3	1851.6
15°	1997.0	2009.1	2112.2	2303.1	2384.9	2387.9	2397.0	2409.2	2272.8	2054.6	1827.3
17.5°	2060.7	2094.0	2181.9	2300.1	2315.2	2278.9	2278.9	2330.4	2297.0	2148.5	1915.2
20°	2215.2	2203.1	2318.2	2366.7	2284.9	2194.0	2184.9	2272.8	2324.3	2248.6	2075.8
22.5°	2369.8	2424.3	2518.3	2409.2	2257.6	2136.4	2124.3	2233.4	2406.1	2421.3	2260.7
25°	2603.1	2657.7	2706.1	2572.8	2254.6	2121.3	2130.4	2215.2	2506.1	2666.7	2569.8
27.5°	2854.6	2888.0	2957.7	2751.6	2327.3	2103.1	2112.2	2239.5	2600.1	2827.4	2812.2
30°	2997.1	3033.4	3018.3	2784.9	2375.8	2115.2	2091.0	2272.8	2548.6	2827.4	2969.8
32.5°	3136.5	3115.2	3106.2	2839.5	2436.4	2191.0	2130.4	2342.5	2578.9	2872.8	3172.8
35°	3306.2	3275.9	3251.6	2945.5	2536.4	2263.7	2236.4	2433.4	2645.5	2966.8	3336.5
37.5°	3494.0	3494.0	3375.9	3024.3	2654.6	2381.9	2351.6	2563.7	2751.6	3024.3	3560.7
40°	3715.3	3724.4	3515.3	3130.4	2788.0	2569.8	2560.7	2733.4	2854.6	3109.2	3775.9
42.5°	3878.9	3885.0	3636.5	3169.8	2942.5	2830.4	2869.8	3006.1	2972.8	3184.9	3791.0
45°	3991.0	3960.7	3721.3	3281.9	3112.2	3221.3	3233.4	3272.8	3127.4	3230.4	3851.6
47.5°	4045.6	4039.5	3757.7	3412.2	3469.8	3618.3	3688.0	3633.4	3269.8	3181.9	3851.6
50°	4100.1	4048.6	3791.0	3591.0	3818.3	4118.3	4103.2	4003.1	3466.8	3242.5	3794.1
52.5°	4136.5	4091.0	3857.7	3751.6	4151.6	4491.0	4551.6	4366.8	3697.1	3354.6	3821.3
55°	4266.8	4230.4	4057.7	3969.8	4536.5	4885.0	4894.1	4636.5	3939.5	3539.5	4000.1
57.5°	4424.4	4445.6	4333.5	4278.9	4830.4	5172.9	5139.5	4836.5	4145.6	3763.7	4206.2
60°	4536.5	4569.8	4542.6	4548.6	4975.9	5269.9	5194.1	4960.8	4297.1	3933.4	4457.7
62.5°	4475.9	4542.6	4654.7	4630.4	4982.0	5200.2	5094.1	4797.1	4315.3	4154.7	4648.6
65°	4309.2	4315.3	4533.5	4666.8	4709.2	4839.5	4700.1	4454.7	4127.4	4291.0	4621.3
67.5°	3881.9	3930.4	4127.4	4388.0	4209.2	4239.5	4227.4	3872.8	3842.5	4197.1	4412.3
70°	3427.4	3460.7	3675.9	3981.9	3554.6	3412.2	3439.5	3175.9	3300.1	3906.2	3991.0
72.5°	2833.4	2854.6	3100.1	3369.8	2851.6	2597.0	2660.7	2445.5	2621.3	3418.3	3366.8
75°	2139.5	2178.9	2369.8	2688.0	2100.1	1936.4	2000.1	1912.2	2075.8	2815.2	2612.2
77.5°	1521.3	1491.0	1727.3	2103.1	1578.8	1481.9	1487.9	1503.1	1678.8	2372.8	1875.8
80°	1036.4	1045.5	1257.6	1542.5	1239.4	1224.3	1209.1	1330.3	1409.1	1878.8	1363.7
82.5°	615.2	615.2	848.5	1097.0	978.8	1103.1	1033.4	1142.5	1103.1	1381.9	894.0
85°	287.9	287.9	436.4	790.9	757.6	909.1	772.7	863.7	815.2	963.7	403.0
87.5°	48.5	42.4	87.9	387.9	312.1	354.6	139.4	460.6	512.1	672.7	100.0
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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2181.9	2181.9	2181.9	2181.9	2181.9	2181.9	2181.9	2181.9	2181.9	2181.9	2181.9
2.5°	2251.6	2230.4	2187.9	2133.4	2087.9	2030.4	2012.2	1972.8	1918.2	1912.2	1887.9
5°	2121.3	2048.5	1957.6	1845.5	1769.7	1691.0	1624.3	1584.9	1539.4	1533.4	1521.3
7.5°	1978.8	1887.9	1736.4	1603.1	1472.8	1348.5	1287.9	1212.2	1160.6	1121.2	1103.1
10°	1845.5	1760.7	1572.8	1390.9	1275.8	1194.0	1121.2	1042.5	978.8	930.3	912.1
12.5°	1757.6	1657.6	1454.6	1281.9	1197.0	1103.1	1021.2	936.4	854.6	790.9	757.6
15°	1718.2	1624.3	1418.2	1227.3	1103.1	972.8	878.8	794.0	694.0	648.5	633.4
17.5°	1812.2	1672.8	1406.1	1163.7	987.9	839.4	724.3	633.4	560.6	515.2	497.0
20°	1933.4	1760.7	1427.3	1087.9	878.8	712.1	584.9	487.9	439.4	406.1	403.0
22.5°	2087.9	1891.0	1460.6	1033.4	757.6	572.7	457.6	400.0	366.7	363.6	357.6
25°	2363.7	2127.3	1515.2	960.6	660.6	472.7	390.9	357.6	342.4	333.3	339.4
27.5°	2600.1	2281.9	1554.6	915.2	621.2	445.5	378.8	342.4	327.3	324.3	327.3
30°	2739.5	2424.3	1542.5	830.3	542.4	424.3	403.0	390.9	360.6	336.4	336.4
32.5°	2866.8	2515.2	1539.4	754.6	463.6	354.6	336.4	327.3	345.5	357.6	348.5
35°	3042.5	2657.7	1530.3	712.1	430.3	327.3	297.0	272.7	260.6	254.6	263.6
37.5°	3230.4	2754.6	1506.1	706.1	412.1	312.1	287.9	263.6	251.5	245.5	242.4
40°	3436.5	2857.7	1478.8	675.8	403.0	303.0	278.8	257.6	242.4	233.3	230.3
42.5°	3569.8	2939.5	1451.6	660.6	384.9	297.0	269.7	251.5	236.4	224.2	224.2
45°	3645.6	3036.5	1424.3	645.5	363.6	300.0	269.7	245.5	227.3	221.2	215.2
47.5°	3678.9	3109.2	1415.2	621.2	345.5	287.9	263.6	239.4	221.2	209.1	206.1
50°	3766.8	3263.7	1448.5	603.0	324.3	275.8	278.8	236.4	218.2	203.0	200.0
52.5°	3818.3	3388.0	1521.3	575.8	309.1	260.6	272.7	230.3	209.1	193.9	193.9
55°	4006.2	3594.0	1600.0	554.6	290.9	239.4	251.5	218.2	193.9	184.9	184.9
57.5°	4245.6	3812.2	1666.7	545.5	278.8	224.2	224.2	212.1	184.9	172.7	169.7
60°	4412.3	3991.0	1706.1	539.4	266.7	209.1	200.0	212.1	175.8	163.6	160.6
62.5°	4430.4	3888.0	1666.7	536.4	263.6	193.9	181.8	203.0	166.7	154.5	148.5
65°	4315.3	3678.9	1557.6	524.3	260.6	178.8	169.7	175.8	154.5	145.5	139.4
67.5°	4085.0	3339.5	1400.0	518.2	257.6	166.7	154.5	151.5	142.4	133.3	127.3
70°	3548.6	2897.1	1215.2	490.9	251.5	157.6	139.4	136.4	127.3	121.2	118.2
72.5°	2978.9	2369.8	1003.1	454.6	239.4	142.4	127.3	121.2	118.2	109.1	106.1
75°	2281.9	1824.3	803.1	403.0	209.1	127.3	112.1	106.1	103.0	97.0	93.9
77.5°	1603.1	1357.6	594.0	327.3	175.8	115.2	100.0	93.9	90.9	81.8	81.8
80°	1087.9	951.5	403.0	227.3	136.4	93.9	87.9	81.8	75.8	69.7	69.7
82.5°	675.8	666.7	290.9	148.5	100.0	75.8	69.7	69.7	60.6	54.5	54.5
85°	309.1	409.1	203.0	103.0	75.8	57.6	57.6	54.5	48.5	39.4	39.4
87.5°	97.0	136.4	106.1	45.5	42.4	33.3	33.3	30.3	30.3	24.2	24.2
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):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	2181.9	2181.9	2181.9	2181.9	2181.9	2181.9	2181.9	2181.9	2181.9	2181.9	2181.9
2.5°	1912.2	1909.1	1909.1	1897.0	1927.3	1927.3	1945.5	1930.4	1939.5	1942.5	1966.7
5°	1518.2	1542.5	1560.7	1597.0	1618.2	1627.3	1627.3	1651.6	1642.5	1660.7	1697.0
7.5°	1112.2	1142.5	1197.0	1242.5	1278.8	1290.9	1287.9	1294.0	1303.1	1281.9	1287.9
10°	900.0	878.8	897.0	939.4	972.8	1012.2	981.8	978.8	987.9	978.8	997.0
12.5°	751.5	727.3	712.1	712.1	736.4	754.6	745.5	760.6	794.0	803.1	824.3
15°	609.1	587.9	575.8	560.6	584.9	590.9	600.0	621.2	645.5	657.6	681.8
17.5°	487.9	487.9	487.9	475.8	484.9	494.0	497.0	524.3	527.3	539.4	548.5
20°	400.0	409.1	424.3	430.3	439.4	439.4	433.3	448.5	436.4	445.5	451.5
22.5°	360.6	372.7	378.8	381.8	394.0	397.0	381.8	384.9	387.9	378.8	381.8
25°	339.4	345.5	339.4	342.4	345.5	339.4	342.4	348.5	345.5	351.5	348.5
27.5°	330.3	324.3	321.2	318.2	318.2	312.1	315.2	315.2	321.2	324.3	324.3
30°	330.3	321.2	309.1	300.0	300.0	290.9	297.0	303.0	306.1	312.1	312.1
32.5°	339.4	321.2	300.0	290.9	281.8	275.8	281.8	290.9	303.0	306.1	309.1
35°	269.7	278.8	275.8	263.6	260.6	260.6	257.6	257.6	248.5	248.5	245.5
37.5°	242.4	239.4	245.5	248.5	251.5	242.4	242.4	230.3	227.3	230.3	230.3
40°	227.3	227.3	227.3	236.4	239.4	233.3	224.2	218.2	218.2	218.2	221.2
42.5°	221.2	215.2	212.1	218.2	227.3	221.2	212.1	209.1	209.1	212.1	212.1
45°	212.1	209.1	206.1	203.0	215.2	206.1	203.0	200.0	200.0	200.0	203.0
47.5°	203.0	200.0	193.9	193.9	197.0	193.9	190.9	190.9	190.9	197.0	197.0
50°	197.0	193.9	187.9	187.9	187.9	187.9	184.9	184.9	184.9	187.9	190.9
52.5°	187.9	184.9	181.8	178.8	178.8	178.8	178.8	178.8	178.8	181.8	184.9
55°	178.8	175.8	172.7	172.7	175.8	175.8	172.7	175.8	172.7	175.8	178.8
57.5°	169.7	166.7	163.6	166.7	169.7	166.7	166.7	166.7	166.7	166.7	169.7
60°	157.6	157.6	157.6	157.6	163.6	163.6	163.6	163.6	157.6	160.6	163.6
62.5°	151.5	148.5	148.5	151.5	154.5	154.5	157.6	154.5	151.5	154.5	154.5
65°	139.4	139.4	139.4	142.4	142.4	145.5	145.5	145.5	142.4	145.5	145.5
67.5°	130.3	130.3	130.3	130.3	136.4	136.4	136.4	136.4	133.3	133.3	136.4
70°	115.2	118.2	115.2	121.2	127.3	124.2	127.3	127.3	124.2	121.2	127.3
72.5°	106.1	106.1	106.1	106.1	115.2	115.2	115.2	118.2	115.2	112.1	115.2
75°	93.9	93.9	93.9	97.0	103.0	103.0	103.0	103.0	103.0	100.0	100.0
77.5°	81.8	84.9	81.8	84.9	90.9	87.9	90.9	93.9	90.9	87.9	87.9
80°	69.7	69.7	69.7	72.7	75.8	75.8	75.8	78.8	75.8	72.7	72.7
82.5°	54.5	54.5	57.6	57.6	60.6	60.6	60.6	63.6	60.6	57.6	57.6
85°	42.4	42.4	42.4	45.5	45.5	48.5	48.5	51.5	51.5	48.5	48.5
87.5°	27.3	24.2	27.3	27.3	30.3	30.3	27.3	24.2	27.3	24.2	21.2
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):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	2181.9	2181.9	2181.9	2181.9	2181.9	2181.9	2181.9	2181.9	2181.9	2181.9
2.5°	1991.0	2045.5	2084.9	2112.2	2151.6	2227.3	2257.6	2312.2	2327.3	2336.4
5°	1712.2	1769.7	1854.6	1915.2	1984.9	2127.3	2236.4	2318.2	2354.6	2387.9
7.5°	1342.5	1418.2	1506.1	1584.9	1700.0	1875.8	2018.2	2187.9	2251.6	2284.9
10°	1048.5	1118.2	1215.2	1312.2	1472.8	1621.3	1824.3	1978.8	2066.7	2091.0
12.5°	884.9	966.7	1081.8	1200.0	1300.0	1469.7	1675.8	1900.1	1981.9	1997.0
15°	751.5	863.7	981.8	1103.1	1218.2	1366.7	1587.9	1860.7	1981.9	1997.0
17.5°	621.2	721.2	860.6	990.9	1124.3	1327.3	1603.1	1894.0	2015.2	2060.7
20°	494.0	590.9	700.0	863.7	1045.5	1260.6	1636.4	2006.1	2166.7	2215.2
22.5°	409.1	451.5	557.6	715.2	930.3	1215.2	1669.7	2181.9	2351.6	2369.8
25°	357.6	387.9	454.6	603.0	839.4	1184.9	1748.5	2384.9	2603.1	2603.1
27.5°	333.3	345.5	390.9	524.3	775.8	1157.6	1827.3	2609.2	2812.2	2854.6
30°	327.3	357.6	381.8	466.7	706.1	1081.8	1900.1	2784.9	2994.0	2997.1
32.5°	321.2	315.2	333.3	406.1	621.2	1003.1	1960.7	2963.7	3127.4	3136.5
35°	251.5	263.6	293.9	357.6	557.6	945.5	1991.0	3060.7	3297.1	3306.2
37.5°	236.4	251.5	275.8	330.3	515.2	897.0	2000.1	3248.6	3475.9	3494.0
40°	230.3	242.4	260.6	306.1	481.8	836.4	2018.2	3442.5	3739.5	3715.3
42.5°	218.2	233.3	251.5	293.9	454.6	790.9	2021.3	3548.6	3878.9	3878.9
45°	215.2	224.2	245.5	293.9	424.3	751.5	1972.8	3654.7	4039.5	3991.0
47.5°	203.0	221.2	239.4	284.9	387.9	712.1	1915.2	3709.2	4060.7	4045.6
50°	200.0	218.2	248.5	269.7	366.7	694.0	1903.1	3845.6	4103.2	4100.1
52.5°	193.9	212.1	257.6	257.6	339.4	669.7	1960.7	3906.2	4112.2	4136.5
55°	184.9	212.1	239.4	236.4	315.2	639.4	2024.3	4063.8	4272.9	4266.8
57.5°	178.8	206.1	227.3	215.2	287.9	618.2	2118.2	4215.3	4466.8	4424.4
60°	169.7	206.1	203.0	200.0	266.7	600.0	2197.0	4245.6	4509.2	4536.5
62.5°	163.6	215.2	178.8	184.9	248.5	590.9	2163.7	4018.3	4451.6	4475.9
65°	157.6	184.9	163.6	169.7	242.4	572.7	2033.4	3745.6	4203.2	4309.2
67.5°	145.5	151.5	151.5	157.6	236.4	530.3	1766.7	3254.6	3824.4	3881.9
70°	133.3	136.4	136.4	145.5	230.3	481.8	1457.6	2815.2	3318.3	3427.4
72.5°	121.2	121.2	121.2	133.3	212.1	442.4	1200.0	2163.7	2757.7	2833.4
75°	106.1	106.1	106.1	118.2	190.9	403.0	945.5	1609.1	2030.4	2139.5
77.5°	93.9	93.9	90.9	106.1	166.7	327.3	681.8	1136.4	1430.3	1521.3
80°	78.8	75.8	75.8	84.9	130.3	236.4	439.4	803.1	997.0	1036.4
82.5°	63.6	60.6	57.6	63.6	93.9	148.5	272.7	560.6	639.4	615.2
85°	60.6	63.6	51.5	48.5	66.7	97.0	172.7	345.5	287.9	287.9
87.5°	24.2	21.2	21.2	18.2	33.3	36.4	75.8	63.6	48.5	48.5
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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