

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: P675846

Luminaire Tested: **CCW-SA-1E-740-U-SLL**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P675846
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-1E-740-U-SLL
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @1050mA w/
SLL distribution lens
Light Source: (16) 4000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

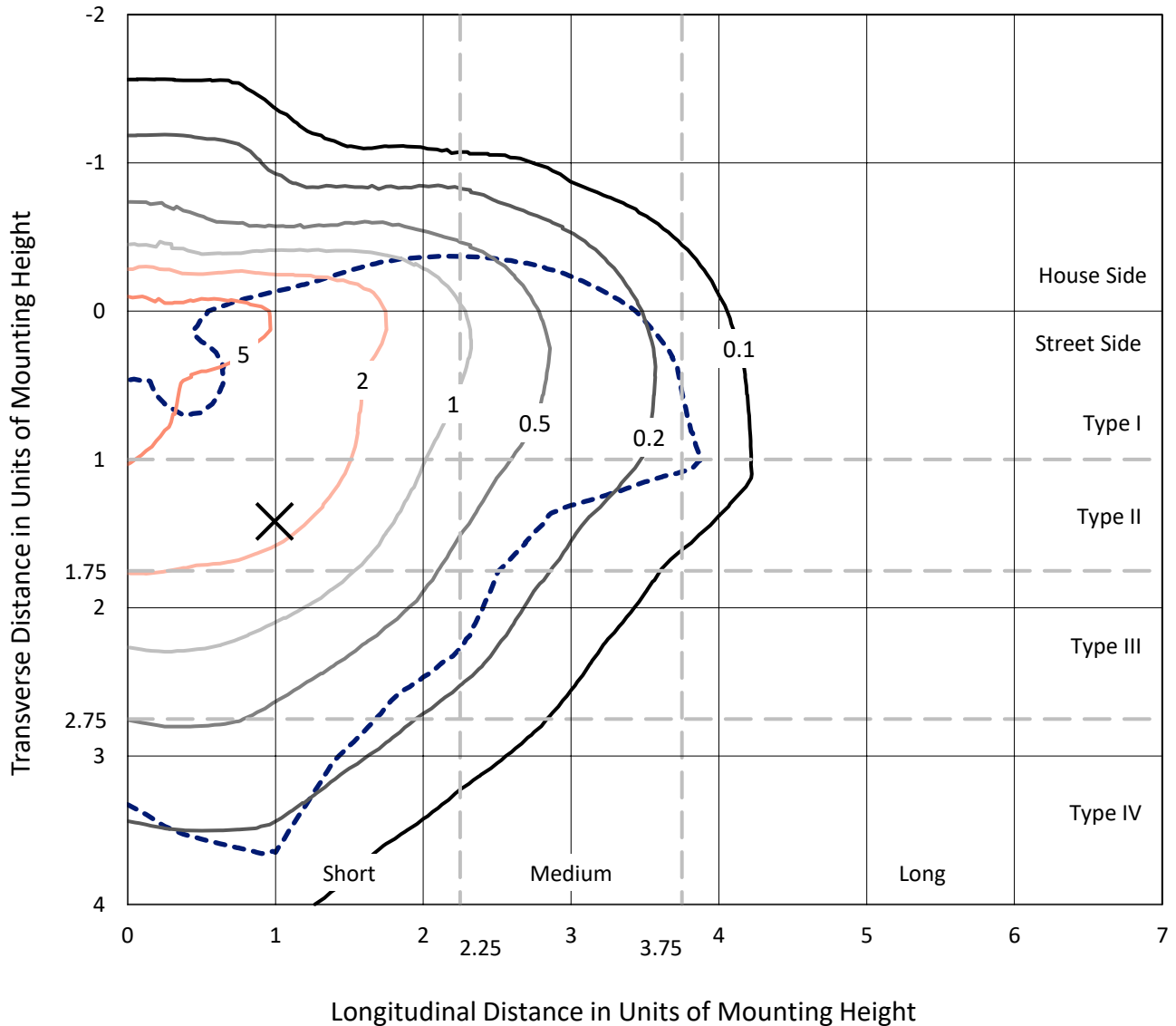
Lumens per Lamp: N/A
Luminaire Lumens: 5672.9 lumens
Efficiency: N/A
Efficacy: 101.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

Input Watts (W): 56.1
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

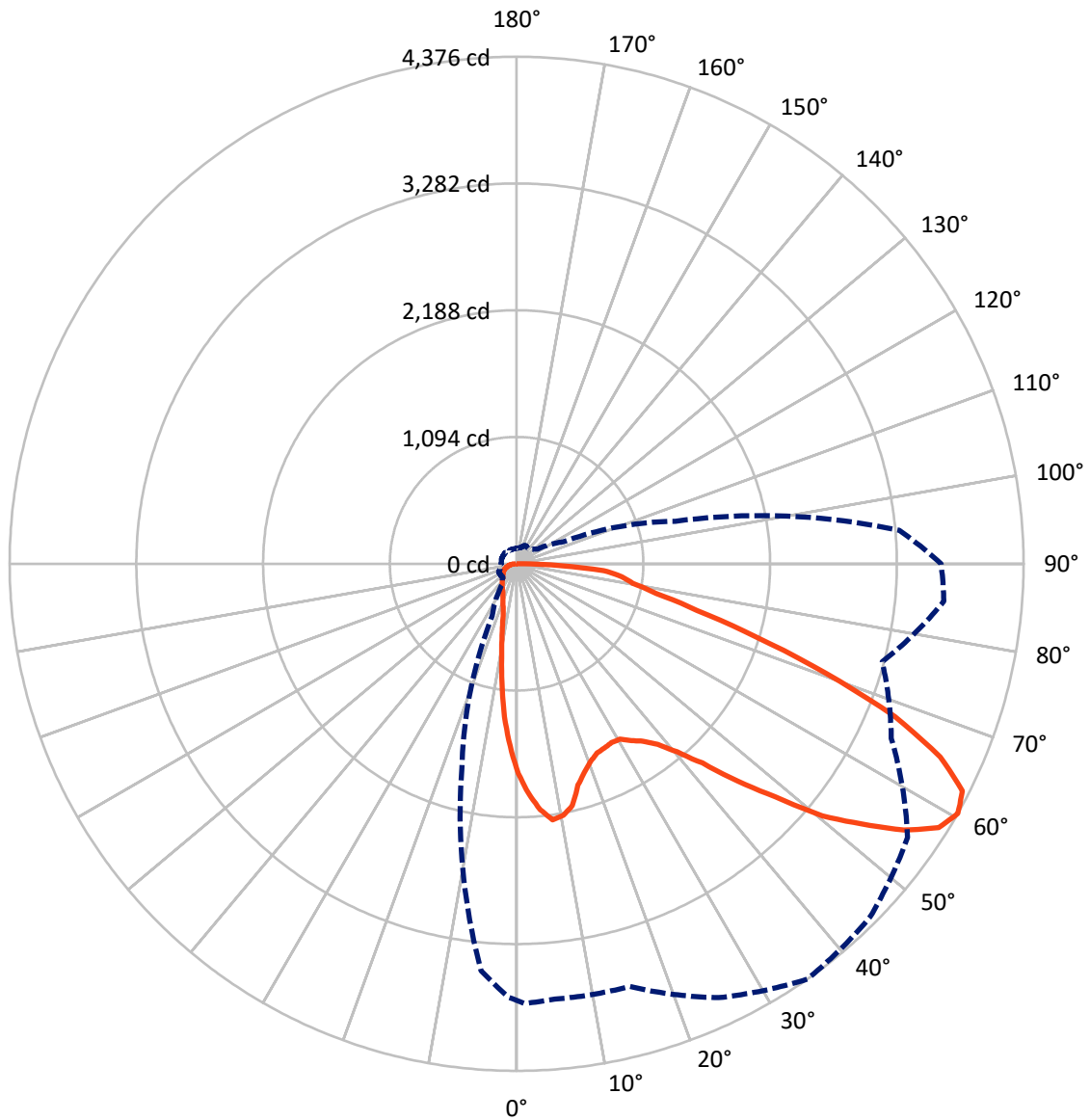
✕ Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 9.2 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	1079.6	0.0	1079.6
	% Fixture	19.0	0.0	19.0
Street Side	Lumens	4593.2	0.0	4593.2
	% Fixture	81.0	0.0	81.0
Total	Lumens	5672.9	0.0	5672.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	140.8	2.5
10°-20°	297.2	5.2
20°-30°	434.8	7.7
30°-40°	612.6	10.8
40°-50°	841.9	14.8
50°-60°	1147.5	20.2
60°-70°	1255.9	22.1
70°-80°	725.1	12.8
80°-90°	217.1	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°	5672.9	100.0
0°-180°	5672.9	100.0

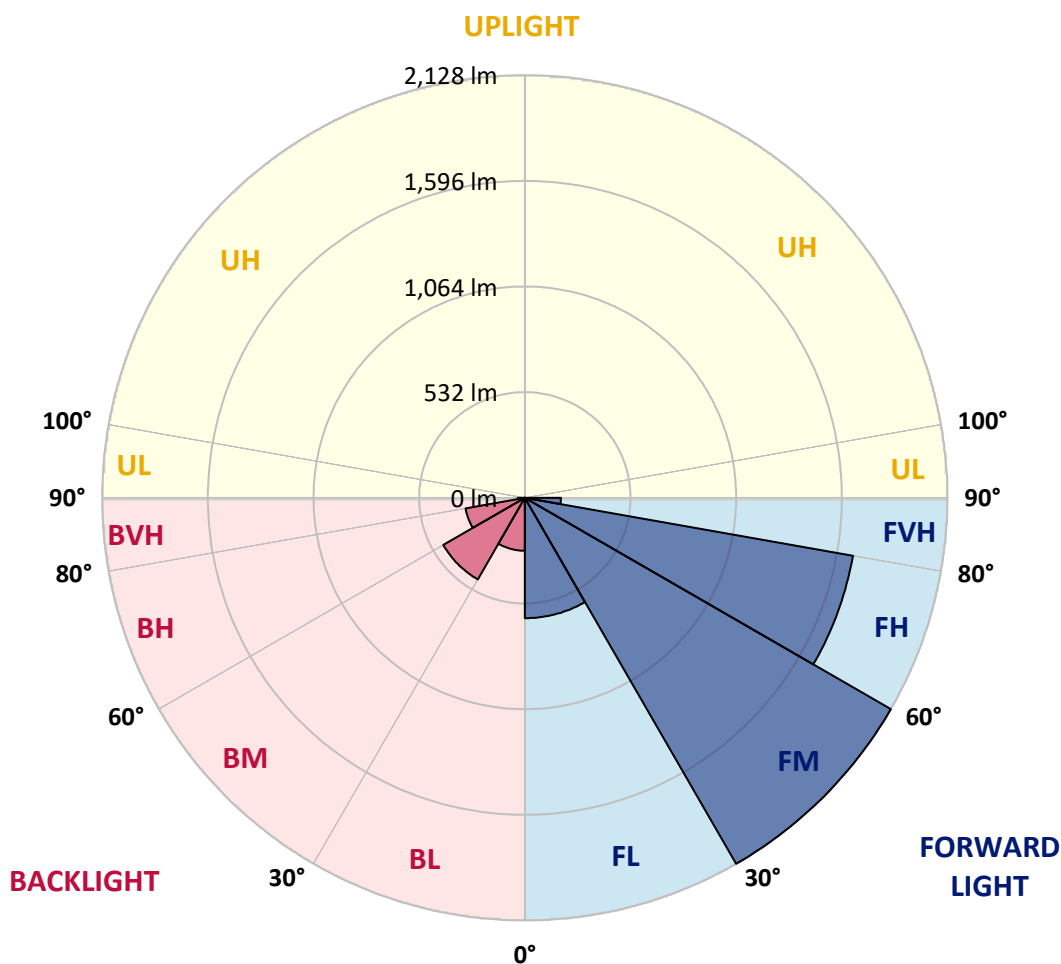


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	606.0	10.7			
FM (30°-60°)	2127.8	37.5			
FH (60°-80°)	1677.7	29.6			G1/1800
FVH (80°-90°)	181.7	3.2			G2/225
BL (0°-30°)	266.7	4.7	B1/500		
BM (30°-60°)	474.3	8.4	B1/1000		
BH (60°-80°)	303.2	5.3	B1/500		G1/500
BVH (80°-90°)	35.4	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°	1811.9	1811.9	1811.9	1811.9	1811.9	1811.9	1811.9	1811.9	1811.9	1811.9	1811.9
2.5°	1940.2	1932.7	1940.2	1967.9	1975.5	1988.0	1988.0	1970.4	1937.7	1922.6	1897.4
5°	1983.0	1970.4	2033.3	2091.2	2136.5	2131.5	2088.7	2053.5	1988.0	1889.9	1796.8
7.5°	1897.4	1910.0	1955.3	2106.3	2212.0	2232.1	2164.2	2093.7	1952.8	1816.9	1691.1
10°	1736.4	1754.0	1852.1	2008.2	2174.3	2207.0	2164.2	2078.6	1910.0	1741.4	1595.5
12.5°	1658.4	1698.6	1756.5	1945.3	2063.5	2141.5	2121.4	2066.0	1877.3	1678.5	1537.6
15°	1658.4	1668.4	1754.0	1912.5	1980.5	1983.0	1990.6	2000.6	1887.4	1706.2	1517.5
17.5°	1711.2	1738.9	1811.9	1910.0	1922.6	1892.4	1892.4	1935.2	1907.5	1784.2	1590.4
20°	1839.6	1829.5	1925.1	1965.4	1897.4	1821.9	1814.4	1887.4	1930.2	1867.2	1723.8
22.5°	1967.9	2013.2	2091.2	2000.6	1874.8	1774.1	1764.1	1854.7	1998.1	2010.7	1877.3
25°	2161.7	2207.0	2247.2	2136.5	1872.3	1761.6	1769.1	1839.6	2081.1	2214.5	2134.0
27.5°	2370.5	2398.2	2456.1	2285.0	1932.7	1746.5	1754.0	1859.7	2159.2	2347.9	2335.3
30°	2488.8	2519.0	2506.4	2312.7	1972.9	1756.5	1736.4	1887.4	2116.4	2347.9	2466.2
32.5°	2604.6	2587.0	2579.4	2358.0	2023.3	1819.4	1769.1	1945.3	2141.5	2385.6	2634.8
35°	2745.5	2720.3	2700.2	2446.0	2106.3	1879.8	1857.2	2020.8	2196.9	2463.7	2770.7
37.5°	2901.5	2901.5	2803.4	2511.5	2204.5	1978.0	1952.8	2129.0	2285.0	2511.5	2956.9
40°	3085.2	3092.8	2919.1	2599.5	2315.2	2134.0	2126.4	2269.9	2370.5	2581.9	3135.6
42.5°	3221.1	3226.2	3019.8	2632.3	2443.5	2350.4	2383.1	2496.4	2468.7	2644.8	3148.1
45°	3314.2	3289.1	3090.3	2725.4	2584.4	2675.0	2685.1	2717.8	2597.0	2682.6	3198.5
47.5°	3359.5	3354.5	3120.5	2833.6	2881.4	3004.7	3062.6	3017.3	2715.3	2642.3	3198.5
50°	3404.8	3362.0	3148.1	2982.1	3170.8	3419.9	3407.3	3324.3	2878.9	2692.7	3150.7
52.5°	3435.0	3397.3	3203.5	3115.4	3447.6	3729.5	3779.8	3626.3	3070.1	2785.8	3173.3
55°	3543.2	3513.0	3369.6	3296.6	3767.2	4056.6	4064.1	3850.2	3271.5	2939.3	3321.8
57.5°	3674.1	3691.7	3598.6	3553.3	4011.3	4295.7	4268.0	4016.3	3442.6	3125.5	3492.9
60°	3767.2	3794.9	3772.2	3777.3	4132.1	4376.2	4313.3	4119.5	3568.4	3266.4	3701.8
62.5°	3716.9	3772.2	3865.3	3845.2	4137.1	4318.3	4230.2	3983.6	3583.5	3450.1	3860.3
65°	3578.5	3583.5	3764.7	3875.4	3910.6	4018.9	3903.1	3699.3	3427.5	3563.4	3837.7
67.5°	3223.6	3263.9	3427.5	3643.9	3495.4	3520.6	3510.5	3216.1	3190.9	3485.4	3664.0
70°	2846.2	2873.8	3052.5	3306.7	2951.9	2833.6	2856.2	2637.3	2740.5	3243.8	3314.2
72.5°	2352.9	2370.5	2574.4	2798.3	2368.0	2156.6	2209.5	2030.8	2176.8	2838.6	2795.8
75°	1776.6	1809.4	1967.9	2232.1	1743.9	1608.0	1660.9	1587.9	1723.8	2337.8	2169.2
77.5°	1263.3	1238.1	1434.4	1746.5	1311.1	1230.6	1235.6	1248.2	1394.1	1970.4	1557.7
80°	860.6	868.2	1044.3	1280.9	1029.2	1016.7	1004.1	1104.7	1170.2	1560.2	1132.4
82.5°	510.8	510.8	704.6	911.0	812.8	916.0	858.1	948.7	916.0	1147.5	742.4
85°	239.1	239.1	362.4	656.8	629.1	755.0	641.7	717.2	676.9	800.2	334.7
87.5°	40.3	35.2	73.0	322.1	259.2	294.4	115.8	382.5	425.3	558.7	83.0
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°	1811.9	1811.9	1811.9	1811.9	1811.9	1811.9	1811.9	1811.9	1811.9	1811.9	1811.9
2.5°	1869.8	1852.1	1816.9	1771.6	1733.9	1686.1	1671.0	1638.2	1592.9	1587.9	1567.8
5°	1761.6	1701.2	1625.7	1532.5	1469.6	1404.2	1348.8	1316.1	1278.4	1273.3	1263.3
7.5°	1643.3	1567.8	1442.0	1331.2	1223.0	1119.8	1069.5	1006.6	963.8	931.1	916.0
10°	1532.5	1462.1	1306.1	1155.1	1059.4	991.5	931.1	865.7	812.8	772.6	757.5
12.5°	1459.6	1376.5	1207.9	1064.5	994.0	916.0	848.1	777.6	709.7	656.8	629.1
15°	1426.9	1348.8	1177.7	1019.2	916.0	807.8	729.8	659.3	576.3	538.5	525.9
17.5°	1504.9	1389.1	1167.7	966.3	820.4	697.1	601.4	525.9	465.6	427.8	412.7
20°	1605.5	1462.1	1185.3	903.4	729.8	591.4	485.7	405.2	364.9	337.2	334.7
22.5°	1733.9	1570.3	1213.0	858.1	629.1	475.6	380.0	332.2	304.5	302.0	296.9
25°	1962.9	1766.6	1258.3	797.7	548.6	392.6	324.6	296.9	284.4	276.8	281.8
27.5°	2159.2	1894.9	1291.0	760.0	515.9	369.9	314.6	284.4	271.8	269.3	271.8
30°	2274.9	2013.2	1280.9	689.5	450.5	352.3	334.7	324.6	299.5	279.3	279.3
32.5°	2380.6	2088.7	1278.4	626.6	385.0	294.4	279.3	271.8	286.9	296.9	289.4
35°	2526.6	2207.0	1270.8	591.4	357.3	271.8	246.6	226.5	216.4	211.4	218.9
37.5°	2682.6	2287.5	1250.7	586.3	342.2	259.2	239.1	218.9	208.9	203.8	201.3
40°	2853.7	2373.1	1228.1	561.2	334.7	251.7	231.5	213.9	201.3	193.8	191.3
42.5°	2964.4	2441.0	1205.4	548.6	319.6	246.6	224.0	208.9	196.3	186.2	186.2
45°	3027.4	2521.5	1182.8	536.0	302.0	249.1	224.0	203.8	188.7	183.7	178.7
47.5°	3055.0	2581.9	1175.2	515.9	286.9	239.1	218.9	198.8	183.7	173.6	171.1
50°	3128.0	2710.3	1202.9	500.8	269.3	229.0	231.5	196.3	181.2	168.6	166.1
52.5°	3170.8	2813.4	1263.3	478.1	256.7	216.4	226.5	191.3	173.6	161.1	161.1
55°	3326.8	2984.6	1328.7	460.5	241.6	198.8	208.9	181.2	161.1	153.5	153.5
57.5°	3525.6	3165.8	1384.1	453.0	231.5	186.2	186.2	176.2	153.5	143.4	140.9
60°	3664.0	3314.2	1416.8	447.9	221.5	173.6	166.1	176.2	146.0	135.9	133.4
62.5°	3679.1	3228.7	1384.1	445.4	218.9	161.1	151.0	168.6	138.4	128.3	123.3
65°	3583.5	3055.0	1293.5	435.4	216.4	148.5	140.9	146.0	128.3	120.8	115.8
67.5°	3392.2	2773.2	1162.6	430.3	213.9	138.4	128.3	125.8	118.3	110.7	105.7
70°	2946.8	2405.8	1009.1	407.7	208.9	130.9	115.8	113.2	105.7	100.7	98.1
72.5°	2473.7	1967.9	833.0	377.5	198.8	118.3	105.7	100.7	98.1	90.6	88.1
75°	1894.9	1514.9	666.9	334.7	173.6	105.7	93.1	88.1	85.6	80.5	78.0
77.5°	1331.2	1127.4	493.2	271.8	146.0	95.6	83.0	78.0	75.5	67.9	67.9
80°	903.4	790.2	334.7	188.7	113.2	78.0	73.0	67.9	62.9	57.9	57.9
82.5°	561.2	553.6	241.6	123.3	83.0	62.9	57.9	57.9	50.3	45.3	45.3
85°	256.7	339.7	168.6	85.6	62.9	47.8	47.8	45.3	40.3	32.7	32.7
87.5°	80.5	113.2	88.1	37.7	35.2	27.7	27.7	25.2	25.2	20.1	20.1
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):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	1811.9	1811.9	1811.9	1811.9	1811.9	1811.9	1811.9	1811.9	1811.9	1811.9	1811.9
2.5°	1587.9	1585.4	1585.4	1575.3	1600.5	1600.5	1615.6	1603.0	1610.6	1613.1	1633.2
5°	1260.8	1280.9	1296.0	1326.2	1343.8	1351.4	1351.4	1371.5	1363.9	1379.0	1409.2
7.5°	923.6	948.7	994.0	1031.8	1062.0	1072.0	1069.5	1074.5	1082.1	1064.5	1069.5
10°	747.4	729.8	744.9	780.1	807.8	840.5	815.3	812.8	820.4	812.8	827.9
12.5°	624.1	604.0	591.4	591.4	611.5	626.6	619.1	631.6	659.3	666.9	684.5
15°	505.8	488.2	478.1	465.6	485.7	490.7	498.3	515.9	536.0	546.1	566.2
17.5°	405.2	405.2	405.2	395.1	402.6	410.2	412.7	435.4	437.9	447.9	455.5
20°	332.2	339.7	352.3	357.3	364.9	364.9	359.9	372.4	362.4	369.9	375.0
22.5°	299.5	309.5	314.6	317.1	327.1	329.7	317.1	319.6	322.1	314.6	317.1
25°	281.8	286.9	281.8	284.4	286.9	281.8	284.4	289.4	286.9	291.9	289.4
27.5°	274.3	269.3	266.7	264.2	264.2	259.2	261.7	261.7	266.7	269.3	269.3
30°	274.3	266.7	256.7	249.1	249.1	241.6	246.6	251.7	254.2	259.2	259.2
32.5°	281.8	266.7	249.1	241.6	234.0	229.0	234.0	241.6	251.7	254.2	256.7
35°	224.0	231.5	229.0	218.9	216.4	216.4	213.9	213.9	206.4	206.4	203.8
37.5°	201.3	198.8	203.8	206.4	208.9	201.3	201.3	191.3	188.7	191.3	191.3
40°	188.7	188.7	188.7	196.3	198.8	193.8	186.2	181.2	181.2	181.2	183.7
42.5°	183.7	178.7	176.2	181.2	188.7	183.7	176.2	173.6	173.6	176.2	176.2
45°	176.2	173.6	171.1	168.6	178.7	171.1	168.6	166.1	166.1	166.1	168.6
47.5°	168.6	166.1	161.1	161.1	163.6	161.1	158.5	158.5	158.5	163.6	163.6
50°	163.6	161.1	156.0	156.0	156.0	156.0	153.5	153.5	153.5	156.0	158.5
52.5°	156.0	153.5	151.0	148.5	148.5	148.5	148.5	148.5	148.5	151.0	153.5
55°	148.5	146.0	143.4	143.4	146.0	146.0	143.4	146.0	143.4	146.0	148.5
57.5°	140.9	138.4	135.9	138.4	140.9	138.4	138.4	138.4	138.4	138.4	140.9
60°	130.9	130.9	130.9	130.9	135.9	135.9	135.9	135.9	130.9	133.4	135.9
62.5°	125.8	123.3	123.3	125.8	128.3	128.3	130.9	128.3	125.8	128.3	128.3
65°	115.8	115.8	115.8	118.3	118.3	120.8	120.8	120.8	118.3	120.8	120.8
67.5°	108.2	108.2	108.2	108.2	113.2	113.2	113.2	113.2	110.7	110.7	113.2
70°	95.6	98.1	95.6	100.7	105.7	103.2	105.7	105.7	103.2	100.7	105.7
72.5°	88.1	88.1	88.1	88.1	95.6	95.6	95.6	98.1	95.6	93.1	95.6
75°	78.0	78.0	78.0	80.5	85.6	85.6	85.6	85.6	85.6	83.0	83.0
77.5°	67.9	70.5	67.9	70.5	75.5	73.0	75.5	78.0	75.5	73.0	73.0
80°	57.9	57.9	57.9	60.4	62.9	62.9	62.9	65.4	62.9	60.4	60.4
82.5°	45.3	45.3	47.8	47.8	50.3	50.3	50.3	52.8	50.3	47.8	47.8
85°	35.2	35.2	35.2	37.7	37.7	40.3	40.3	42.8	42.8	40.3	40.3
87.5°	22.6	20.1	22.6	22.6	25.2	25.2	22.6	20.1	22.6	20.1	17.6
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):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	1811.9	1811.9	1811.9	1811.9	1811.9	1811.9	1811.9	1811.9	1811.9	1811.9
2.5°	1653.3	1698.6	1731.4	1754.0	1786.7	1849.6	1874.8	1920.1	1932.7	1940.2
5°	1421.8	1469.6	1540.1	1590.4	1648.3	1766.6	1857.2	1925.1	1955.3	1983.0
7.5°	1114.8	1177.7	1250.7	1316.1	1411.8	1557.7	1676.0	1816.9	1869.8	1897.4
10°	870.7	928.6	1009.1	1089.6	1223.0	1346.3	1514.9	1643.3	1716.3	1736.4
12.5°	734.8	802.8	898.4	996.5	1079.6	1220.5	1391.6	1577.8	1645.8	1658.4
15°	624.1	717.2	815.3	916.0	1011.6	1134.9	1318.6	1545.1	1645.8	1658.4
17.5°	515.9	598.9	714.7	822.9	933.6	1102.2	1331.2	1572.8	1673.5	1711.2
20°	410.2	490.7	581.3	717.2	868.2	1046.9	1358.9	1665.9	1799.3	1839.6
22.5°	339.7	375.0	463.0	593.9	772.6	1009.1	1386.6	1811.9	1952.8	1967.9
25°	296.9	322.1	377.5	500.8	697.1	984.0	1452.0	1980.5	2161.7	2161.7
27.5°	276.8	286.9	324.6	435.4	644.2	961.3	1517.5	2166.7	2335.3	2370.5
30°	271.8	296.9	317.1	387.5	586.3	898.4	1577.8	2312.7	2486.3	2488.8
32.5°	266.7	261.7	276.8	337.2	515.9	833.0	1628.2	2461.1	2597.0	2604.6
35°	208.9	218.9	244.1	296.9	463.0	785.1	1653.3	2541.7	2738.0	2745.5
37.5°	196.3	208.9	229.0	274.3	427.8	744.9	1660.9	2697.7	2886.4	2901.5
40°	191.3	201.3	216.4	254.2	400.1	694.6	1676.0	2858.7	3105.4	3085.2
42.5°	181.2	193.8	208.9	244.1	377.5	656.8	1678.5	2946.8	3221.1	3221.1
45°	178.7	186.2	203.8	244.1	352.3	624.1	1638.2	3034.9	3354.5	3314.2
47.5°	168.6	183.7	198.8	236.6	322.1	591.4	1590.4	3080.2	3372.1	3359.5
50°	166.1	181.2	206.4	224.0	304.5	576.3	1580.4	3193.4	3407.3	3404.8
52.5°	161.1	176.2	213.9	213.9	281.8	556.1	1628.2	3243.8	3414.9	3435.0
55°	153.5	176.2	198.8	196.3	261.7	531.0	1681.0	3374.6	3548.3	3543.2
57.5°	148.5	171.1	188.7	178.7	239.1	513.4	1759.0	3500.5	3709.3	3674.1
60°	140.9	171.1	168.6	166.1	221.5	498.3	1824.5	3525.6	3744.6	3767.2
62.5°	135.9	178.7	148.5	153.5	206.4	490.7	1796.8	3336.9	3696.7	3716.9
65°	130.9	153.5	135.9	140.9	201.3	475.6	1688.6	3110.4	3490.4	3578.5
67.5°	120.8	125.8	125.8	130.9	196.3	440.4	1467.1	2702.7	3175.8	3223.6
70°	110.7	113.2	113.2	120.8	191.3	400.1	1210.4	2337.8	2755.6	2846.2
72.5°	100.7	100.7	100.7	110.7	176.2	367.4	996.5	1796.8	2290.0	2352.9
75°	88.1	88.1	88.1	98.1	158.5	334.7	785.1	1336.3	1686.1	1776.6
77.5°	78.0	78.0	75.5	88.1	138.4	271.8	566.2	943.7	1187.8	1263.3
80°	65.4	62.9	62.9	70.5	108.2	196.3	364.9	666.9	827.9	860.6
82.5°	52.8	50.3	47.8	52.8	78.0	123.3	226.5	465.6	531.0	510.8
85°	50.3	52.8	42.8	40.3	55.4	80.5	143.4	286.9	239.1	239.1
87.5°	20.1	17.6	17.6	15.1	27.7	30.2	62.9	52.8	40.3	40.3
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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