

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: P677268

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

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P677268
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-HSS
Description: INVUE CLEAR CURVE Wall Pack MOUNT Light Square Luminaire @615mA w/
SLL distribution lens and House Side Shield
Light Source: (32) 3000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

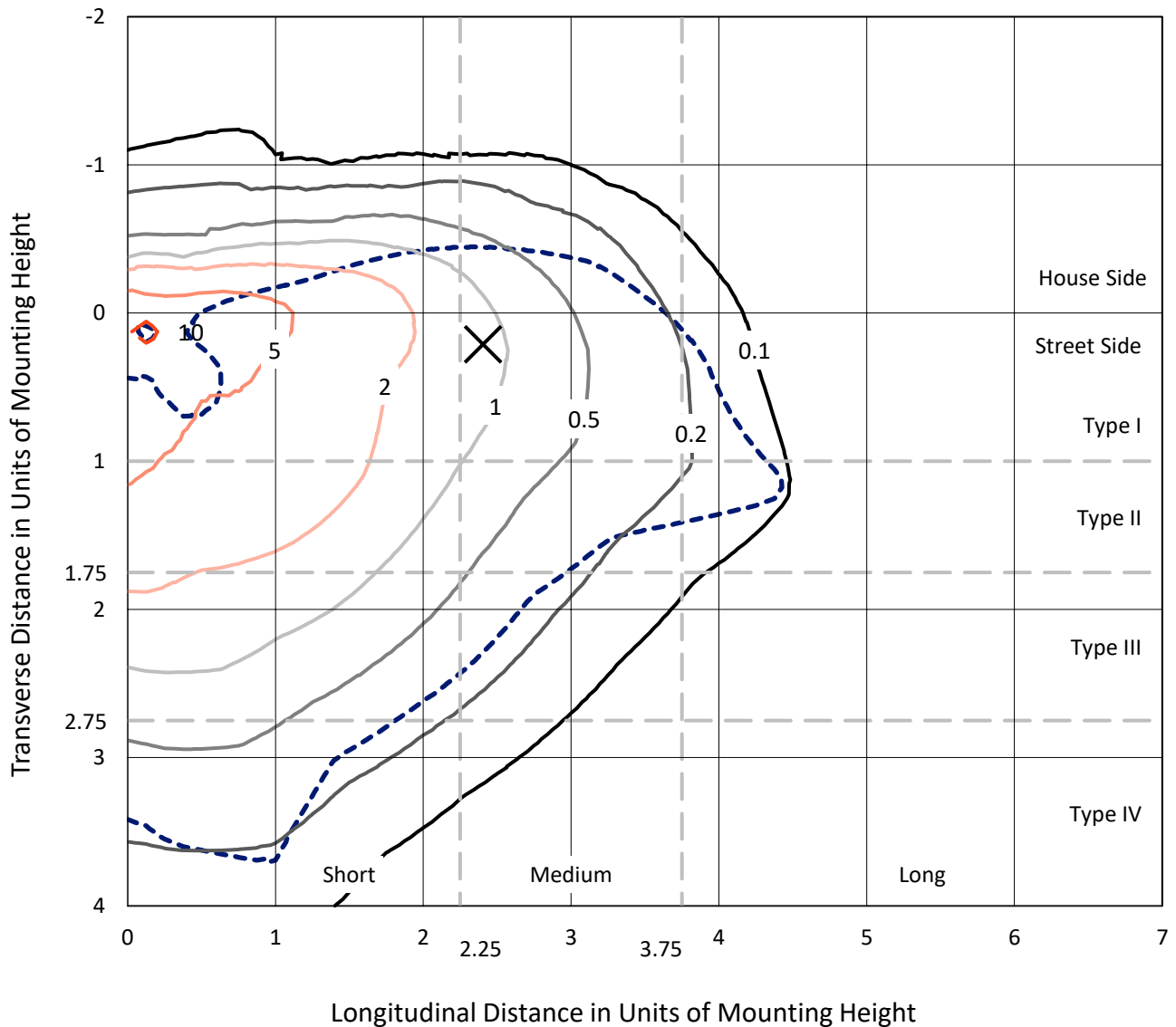
Lumens per Lamp: N/A
Luminaire Lumens: 5973.5 lumens
Efficiency: N/A
Efficacy: 96.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

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

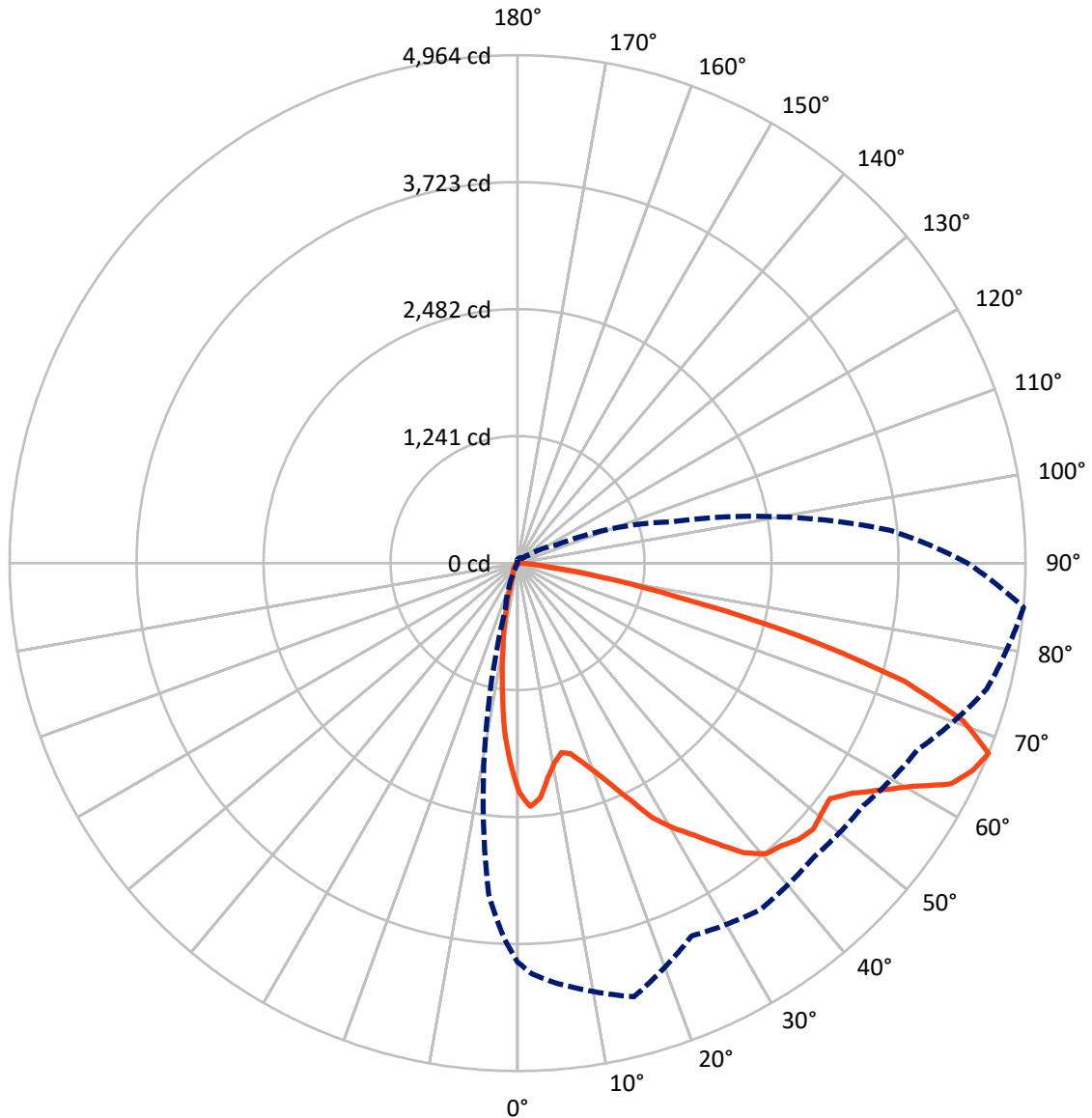
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 11.2 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 85-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1037.2	0.0	1037.2
	% Fixture	17.4	0.0	17.4
Street Side	Lumens	4936.3	0.0	4936.3
	% Fixture	82.6	0.0	82.6
Total	Lumens	5973.5	0.0	5973.5
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	170.6	2.9
10°-20°	334.6	5.6
20°-30°	463.0	7.8
30°-40°	654.4	11.0
40°-50°	890.9	14.9
50°-60°	1180.0	19.8
60°-70°	1370.1	22.9
70°-80°	775.9	13.0
80°-90°	134.1	2.2
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°	5973.5	100.0
0°-180°	5973.5	100.0



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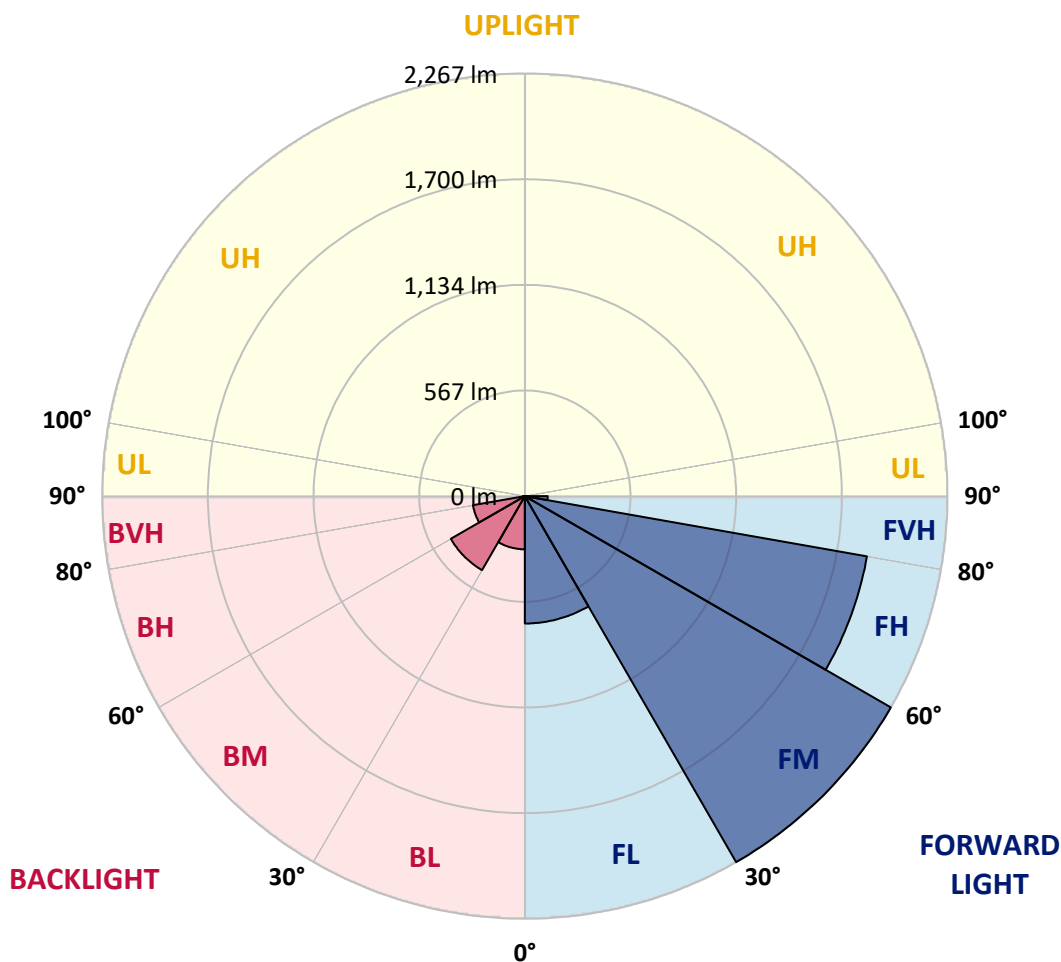
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	683.1	11.4			
FM (30°-60°)	2267.0	38.0			
FH (60°-80°)	1863.5	31.2			G2/5000
FVH (80°-90°)	122.8	2.1			G2/225
BL (0°-30°)	285.1	4.8	B1/500		
BM (30°-60°)	458.3	7.7	B1/1000		
BH (60°-80°)	282.5	4.7	B1/500		G1/500
BVH (80°-90°)	11.3	0.2			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 III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	2°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	2246.0	2246.0	2246.0	2246.0	2246.0	2246.0	2246.0	2246.0	2246.0	2246.0	2246.0
2.5°	2333.7	2383.2	2384.8	2407.1	2429.4	2429.4	2482.1	2469.3	2423.1	2415.1	2381.6
5°	2351.3	2368.8	2381.6	2494.8	2590.6	2581.0	2609.7	2590.6	2501.2	2386.4	2308.2
7.5°	2199.7	2218.9	2269.9	2462.9	2592.2	2635.2	2689.5	2569.8	2475.7	2268.3	2118.4
10°	1998.8	2035.4	2129.6	2349.7	2509.2	2646.4	2646.4	2550.7	2368.8	2166.2	1982.8
12.5°	1887.1	1960.5	2011.5	2234.8	2442.2	2536.3	2533.1	2482.1	2364.0	2108.8	1901.4
15°	1906.2	1927.0	2035.4	2209.3	2346.5	2341.7	2399.1	2383.2	2300.2	2159.9	1931.8
17.5°	1994.0	2025.9	2120.0	2209.3	2274.7	2255.6	2254.0	2330.5	2335.3	2246.0	2045.0
20°	2137.5	2231.6	2276.3	2303.4	2223.7	2142.3	2132.7	2239.6	2322.6	2356.1	2180.6
22.5°	2367.2	2429.4	2520.4	2381.6	2174.2	2072.1	2053.0	2171.0	2338.5	2486.9	2356.1
25°	2592.2	2640.0	2727.7	2549.1	2230.1	2057.8	2024.3	2126.4	2399.1	2668.7	2568.2
27.5°	2829.8	2871.3	2880.9	2671.9	2260.4	2029.1	1989.2	2126.4	2450.2	2764.4	2821.9
30°	2975.0	3024.4	3034.0	2780.4	2309.8	2053.0	2033.8	2135.9	2485.3	2845.8	3003.7
32.5°	3137.7	3150.5	3142.5	2799.5	2364.0	2123.2	2043.4	2199.7	2525.2	2943.1	3169.6
35°	3332.3	3354.6	3273.3	2887.3	2485.3	2167.8	2139.1	2277.9	2593.7	2987.8	3370.6
37.5°	3480.7	3550.9	3367.4	2920.8	2509.2	2262.0	2266.7	2440.6	2641.6	3042.0	3592.3
40°	3759.8	3641.8	3526.9	3035.6	2600.1	2421.5	2395.9	2608.1	2802.7	3077.1	3737.5
42.5°	3913.0	3850.7	3589.1	3046.8	2740.5	2641.6	2648.0	2797.9	2887.3	3176.0	3777.4
45°	3951.2	3885.8	3673.7	3054.8	2879.3	2901.6	3011.7	3040.4	3011.7	3241.4	3852.3
47.5°	4048.5	3906.6	3664.1	3161.6	3104.2	3190.3	3330.7	3392.9	3180.8	3217.5	3887.4
50°	4029.4	3948.1	3643.4	3206.3	3378.6	3606.7	3700.8	3675.3	3369.0	3168.0	3849.1
52.5°	3949.6	3861.9	3707.2	3327.5	3635.4	3911.4	4042.2	3978.4	3536.5	3279.7	3823.6
55°	4066.1	3999.1	3790.1	3491.8	3828.4	4179.4	4271.9	4224.0	3742.3	3383.4	3968.8
57.5°	4192.1	4177.8	4015.0	3684.8	4056.5	4455.3	4455.3	4396.3	3920.9	3533.3	4184.1
60°	4374.0	4405.9	4180.9	3812.5	4134.7	4439.4	4670.7	4602.1	4101.2	3796.5	4428.2
62.5°	4314.9	4417.0	4394.7	4086.8	4224.0	4517.5	4643.5	4694.6	4324.5	4117.1	4753.6
65°	4125.1	4233.6	4393.1	4267.1	4157.0	4327.7	4391.5	4546.2	4436.2	4418.6	4887.6
67.5°	3898.6	4016.6	4115.5	4388.3	4021.4	4134.7	4078.9	4128.3	4314.9	4748.8	4964.2
70°	3404.1	3517.4	3673.7	4118.7	3662.5	3560.4	3546.1	3522.1	3812.5	4630.8	4616.4
72.5°	2799.5	2852.2	3110.6	3348.3	2710.2	2691.1	2713.4	2686.3	3022.9	4192.1	3954.4
75°	2096.1	2148.7	2295.5	2571.4	1845.6	1735.5	1863.2	1989.2	2308.2	3254.2	2841.0
77.5°	1576.0	1643.0	1735.5	1923.8	1354.3	1182.0	1199.6	1319.2	1668.5	2606.5	1592.0
80°	1022.5	1014.5	1193.2	1324.0	1019.3	1051.2	1006.6	1094.3	1209.1	1394.2	813.5
82.5°	590.2	598.2	673.2	759.3	709.9	811.9	585.4	977.8	863.0	567.9	303.1
85°	331.8	346.2	414.7	526.4	445.1	298.3	244.1	484.9	542.4	232.9	146.8
87.5°	33.5	28.7	55.8	199.4	121.2	49.5	73.4	116.4	130.8	87.7	43.1
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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2246.0	2246.0	2246.0	2246.0	2246.0	2246.0	2246.0	2246.0	2246.0	2246.0	2246.0
2.5°	2333.7	2333.7	2293.9	2226.9	2199.7	2151.9	2086.5	2107.2	2084.9	2003.5	1982.8
5°	2238.0	2161.5	2078.5	1976.4	1917.4	1796.2	1757.9	1689.3	1700.5	1631.9	1635.1
7.5°	2038.6	1978.0	1837.6	1703.6	1587.2	1481.9	1333.6	1277.7	1223.5	1196.4	1228.3
10°	1922.2	1808.9	1617.5	1442.0	1287.3	1193.2	1094.3	1017.7	947.5	894.9	883.7
12.5°	1837.6	1737.1	1505.8	1292.1	1170.9	1094.3	1003.4	898.1	829.5	738.6	711.4
15°	1812.1	1689.3	1445.2	1233.1	1115.0	989.0	885.3	781.6	692.3	596.6	563.1
17.5°	1899.8	1757.9	1443.6	1185.2	1019.3	883.7	740.2	623.7	532.8	445.1	424.3
20°	2048.2	1831.3	1489.9	1156.5	928.4	746.5	583.8	467.4	365.3	307.9	293.5
22.5°	2217.3	1955.7	1494.7	1079.9	837.5	609.4	425.9	307.9	250.4	223.3	215.3
25°	2424.7	2155.1	1552.1	1017.7	730.6	462.6	303.1	236.1	202.6	186.6	183.4
27.5°	2595.3	2293.9	1614.3	952.3	625.3	343.0	237.7	193.0	175.5	159.5	157.9
30°	2772.4	2453.4	1631.9	912.4	534.4	282.3	204.2	170.7	151.5	143.6	142.0
32.5°	2927.1	2627.2	1687.7	847.0	448.2	248.8	185.0	153.1	140.4	127.6	126.0
35°	3126.5	2727.7	1714.8	811.9	416.3	224.9	169.1	140.4	121.2	113.3	110.1
37.5°	3340.3	2825.0	1732.4	784.8	389.2	210.6	159.5	132.4	114.9	103.7	100.5
40°	3539.7	2962.2	1706.8	751.3	368.5	193.0	153.1	122.8	106.9	95.7	90.9
42.5°	3692.8	3096.2	1698.9	719.4	346.2	186.6	145.2	118.0	100.5	87.7	86.1
45°	3779.0	3187.2	1643.0	693.9	328.6	189.8	142.0	111.7	95.7	84.5	78.2
47.5°	3758.2	3257.3	1657.4	685.9	304.7	177.1	140.4	106.9	87.7	78.2	73.4
50°	3873.1	3399.3	1633.5	660.4	287.1	159.5	153.1	106.9	86.1	75.0	70.2
52.5°	3892.2	3528.5	1684.5	614.1	260.0	146.8	151.5	105.3	82.9	71.8	65.4
55°	4051.7	3678.5	1783.4	588.6	237.7	127.6	138.8	102.1	75.0	65.4	62.2
57.5°	4268.7	3989.5	1847.2	564.7	207.4	111.7	116.4	100.5	68.6	60.6	55.8
60°	4477.6	4113.9	1852.0	521.6	178.7	100.5	90.9	100.5	63.8	54.2	49.5
62.5°	4634.0	4113.9	1820.1	484.9	156.3	89.3	79.8	95.7	57.4	47.9	44.7
65°	4549.4	4003.9	1737.1	454.6	142.0	78.2	68.6	73.4	51.0	41.5	38.3
67.5°	4397.9	3660.9	1553.7	417.9	140.4	68.6	59.0	54.2	44.7	36.7	33.5
70°	4155.4	3198.3	1293.7	376.5	137.2	62.2	52.6	46.3	39.9	31.9	28.7
72.5°	3348.3	2641.6	1062.4	352.5	134.0	54.2	44.7	39.9	33.5	27.1	23.9
75°	2319.4	1687.7	818.3	301.5	130.8	49.5	41.5	35.1	28.7	22.3	20.7
77.5°	1391.0	1127.8	528.0	226.5	86.1	39.9	35.1	27.1	23.9	19.1	17.5
80°	650.8	532.8	213.8	87.7	41.5	28.7	23.9	20.7	19.1	16.0	14.4
82.5°	255.2	224.9	103.7	51.0	33.5	22.3	19.1	17.5	16.0	12.8	11.2
85°	137.2	121.2	49.5	35.1	23.9	16.0	16.0	14.4	12.8	11.2	9.6
87.5°	30.3	22.3	20.7	20.7	17.5	12.8	12.8	11.2	9.6	8.0	6.4
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°	2246.0	2246.0	2246.0	2246.0	2246.0	2246.0	2246.0	2246.0	2246.0	2246.0	2246.0
2.5°	1971.6	1995.6	1957.3	1981.2	1947.7	1973.2	1976.4	1952.5	1958.9	1990.8	2005.1
5°	1679.7	1663.8	1628.7	1617.5	1619.1	1598.4	1606.3	1617.5	1635.1	1644.6	1673.3
7.5°	1210.7	1247.4	1245.8	1272.9	1274.5	1271.4	1249.0	1201.2	1217.1	1204.4	1220.3
10°	866.2	882.1	912.4	930.0	961.9	944.3	893.3	874.2	864.6	863.0	878.9
12.5°	692.3	654.0	650.8	657.2	673.2	652.4	626.9	604.6	615.7	638.1	655.6
15°	536.0	504.1	462.6	456.2	459.4	449.8	422.7	394.0	402.0	424.3	437.1
17.5°	411.6	374.9	346.2	327.0	320.6	287.1	247.3	223.3	216.9	215.3	226.5
20°	277.6	271.2	266.4	242.5	242.5	194.6	161.1	143.6	143.6	146.8	148.4
22.5°	207.4	199.4	201.0	196.2	183.4	145.2	127.6	122.8	122.8	126.0	126.0
25°	180.3	169.1	165.9	164.3	151.5	124.4	111.7	106.9	106.9	110.1	110.1
27.5°	153.1	149.9	145.2	138.8	127.6	106.9	98.9	94.1	95.7	97.3	95.7
30°	140.4	132.4	126.0	126.0	113.3	95.7	89.3	86.1	82.9	86.1	87.7
32.5°	124.4	119.6	116.4	111.7	97.3	84.5	78.2	75.0	73.4	73.4	75.0
35°	106.9	106.9	103.7	97.3	84.5	76.6	68.6	65.4	63.8	65.4	65.4
37.5°	95.7	90.9	92.5	86.1	75.0	67.0	59.0	55.8	55.8	54.2	55.8
40°	89.3	81.4	76.6	73.4	67.0	57.4	51.0	47.9	46.3	46.3	46.3
42.5°	79.8	73.4	63.8	62.2	60.6	49.5	41.5	39.9	38.3	36.7	36.7
45°	75.0	65.4	57.4	49.5	49.5	41.5	35.1	31.9	30.3	28.7	30.3
47.5°	68.6	59.0	49.5	41.5	39.9	33.5	27.1	23.9	22.3	22.3	22.3
50°	65.4	52.6	43.1	35.1	30.3	27.1	20.7	17.5	16.0	16.0	16.0
52.5°	60.6	49.5	38.3	30.3	23.9	20.7	16.0	12.8	11.2	11.2	11.2
55°	54.2	44.7	33.5	25.5	20.7	16.0	11.2	8.0	6.4	6.4	6.4
57.5°	51.0	39.9	28.7	22.3	16.0	11.2	6.4	4.8	4.8	3.2	4.8
60°	46.3	35.1	23.9	17.5	12.8	8.0	4.8	1.6	1.6	1.6	1.6
62.5°	39.9	30.3	20.7	14.4	9.6	4.8	1.6	0.0	0.0	0.0	0.0
65°	33.5	23.9	16.0	11.2	6.4	1.6	0.0	0.0	0.0	0.0	0.0
67.5°	28.7	20.7	12.8	8.0	4.8	0.0	0.0	0.0	0.0	0.0	0.0
70°	25.5	17.5	9.6	6.4	1.6	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	20.7	14.4	8.0	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	17.5	11.2	4.8	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	14.4	8.0	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	11.2	6.4	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	9.6	4.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	6.4	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	4.8	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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):

	285°	295°	305°	315°	325°	335°	345°	355°	358°	360°
0°	2246.0	2246.0	2246.0	2246.0	2246.0	2246.0	2246.0	2246.0	2246.0	2246.0
2.5°	2025.9	2016.3	2064.2	2142.3	2182.2	2260.4	2279.5	2329.0	2316.2	2333.7
5°	1676.5	1695.7	1765.9	1880.7	1922.2	2035.4	2142.3	2249.2	2317.8	2351.3
7.5°	1244.2	1308.0	1394.2	1499.5	1606.3	1754.7	1936.5	2061.0	2128.0	2199.7
10°	926.8	995.4	1094.3	1198.0	1371.8	1537.7	1719.6	1874.3	1931.8	1998.8
12.5°	729.0	835.9	950.7	1062.4	1166.1	1324.0	1548.9	1773.8	1836.0	1887.1
15°	507.3	638.1	802.4	947.5	1092.7	1229.9	1462.8	1735.5	1820.1	1906.2
17.5°	280.8	384.4	572.7	776.8	990.6	1201.2	1491.5	1805.7	1933.3	1994.0
20°	162.7	204.2	338.2	580.6	863.0	1139.0	1505.8	1938.1	2107.2	2137.5
22.5°	134.0	148.4	191.4	363.7	706.7	1099.1	1579.2	2123.2	2295.5	2367.2
25°	114.9	126.0	148.4	218.5	534.4	1014.5	1625.5	2354.5	2514.0	2592.2
27.5°	102.1	113.3	130.8	161.1	363.7	898.1	1702.0	2563.4	2723.0	2829.8
30°	89.3	98.9	116.4	137.2	252.0	767.3	1767.5	2716.6	2941.5	2975.0
32.5°	79.8	87.7	100.5	118.0	186.6	582.2	1820.1	2874.5	3064.3	3137.7
35°	68.6	78.2	86.1	100.5	142.0	438.7	1788.2	2997.3	3244.6	3332.3
37.5°	60.6	67.0	75.0	84.5	119.6	343.0	1722.8	3144.1	3399.3	3480.7
40°	51.0	55.8	65.4	75.0	108.5	264.8	1647.8	3321.1	3616.3	3759.8
42.5°	43.1	47.9	54.2	70.2	89.3	196.2	1496.3	3458.3	3791.7	3913.0
45°	33.5	39.9	49.5	70.2	71.8	145.2	1339.9	3560.4	3890.6	3951.2
47.5°	25.5	31.9	47.9	60.6	57.4	100.5	1154.9	3676.9	3992.7	4048.5
50°	19.1	25.5	54.2	52.6	47.9	76.6	1038.5	3758.2	3999.1	4029.4
52.5°	12.8	19.1	44.7	39.9	39.9	67.0	1006.6	3755.0	4015.0	3949.6
55°	9.6	14.4	25.5	28.7	35.1	59.0	977.8	3874.7	4019.8	4066.1
57.5°	6.4	11.2	17.5	22.3	30.3	51.0	918.8	4018.2	4168.2	4192.1
60°	3.2	8.0	12.8	17.5	25.5	44.7	835.9	4123.5	4348.4	4374.0
62.5°	1.6	4.8	9.6	14.4	20.7	35.1	749.7	3956.0	4270.3	4314.9
65°	0.0	3.2	6.4	9.6	12.8	25.5	609.4	3571.6	3960.8	4125.1
67.5°	0.0	0.0	3.2	6.4	8.0	19.1	459.4	3249.4	3675.3	3898.6
70°	0.0	0.0	1.6	1.6	4.8	14.4	293.5	2691.1	3281.3	3404.1
72.5°	0.0	0.0	0.0	0.0	1.6	9.6	170.7	1998.8	2571.4	2799.5
75°	0.0	0.0	0.0	0.0	0.0	8.0	86.1	1285.7	1789.8	2096.1
77.5°	0.0	0.0	0.0	0.0	0.0	6.4	46.3	829.5	1319.2	1576.0
80°	0.0	0.0	0.0	0.0	0.0	1.6	27.1	481.7	843.8	1022.5
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	11.2	236.1	504.1	590.2
85°	0.0	0.0	0.0	0.0	0.0	0.0	3.2	126.0	252.0	331.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.8	17.5	33.5
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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