

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: P674101

Luminaire Tested: **CCP-SA-2C-727-U-SLL-HSS**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P674101
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2C-727-U-SLL-HSS
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @615mA w/ SLL distribution lens and House Side Shield
Light Source: (32) 2700K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

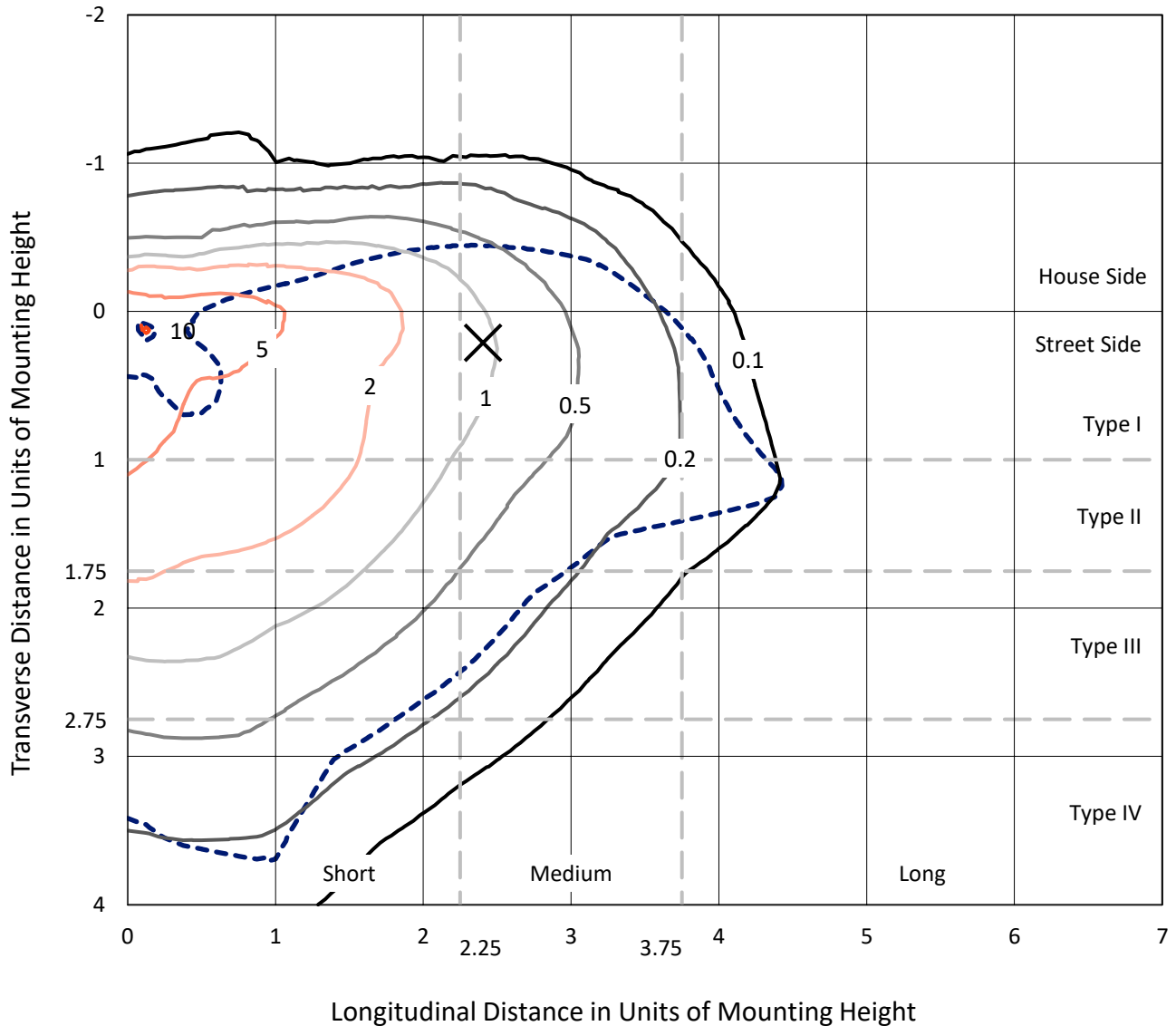
Lumens per Lamp: N/A
Luminaire Lumens: 5486.1 lumens
Efficiency: N/A
Efficacy: 88.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

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

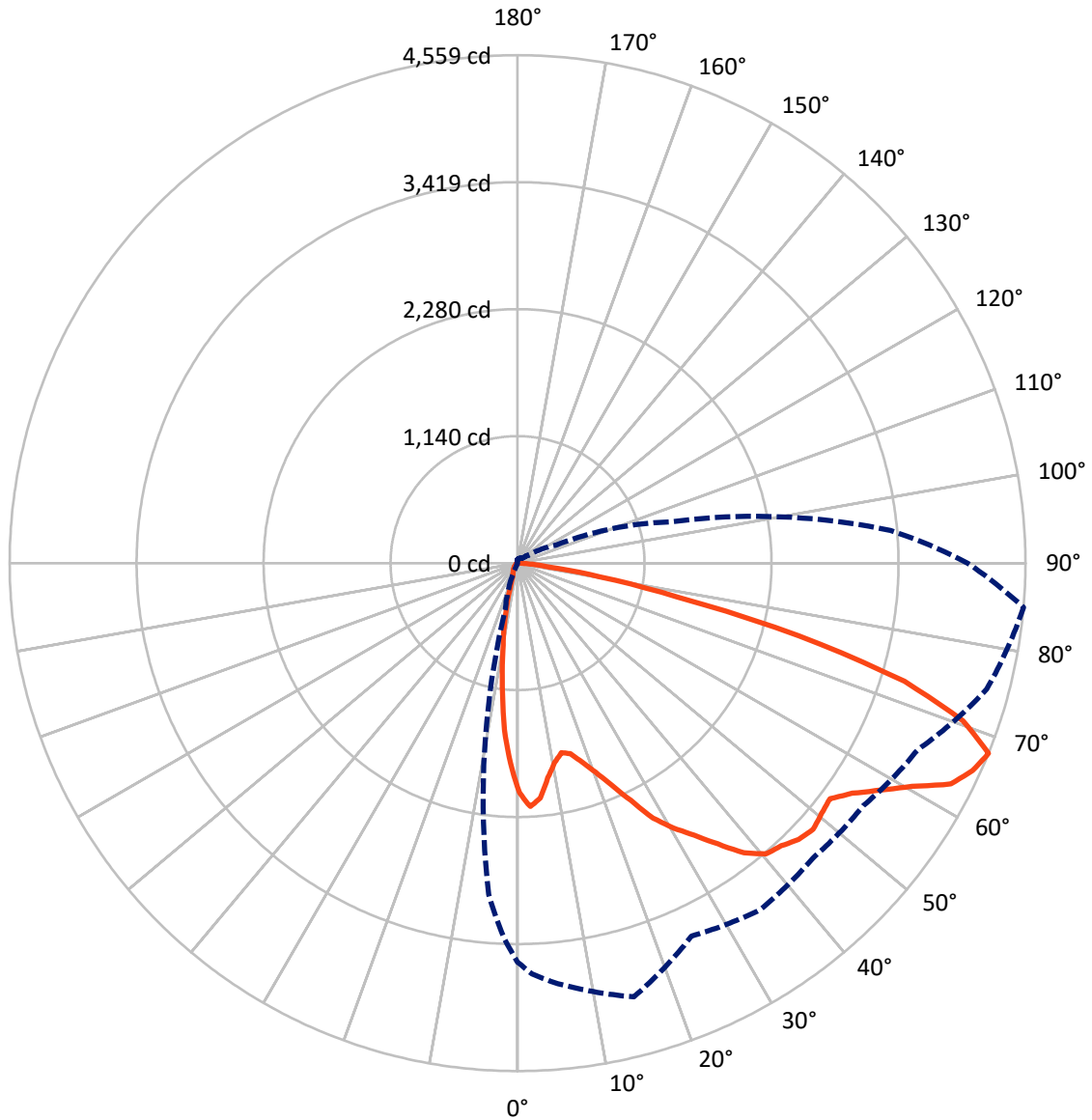
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 10.3 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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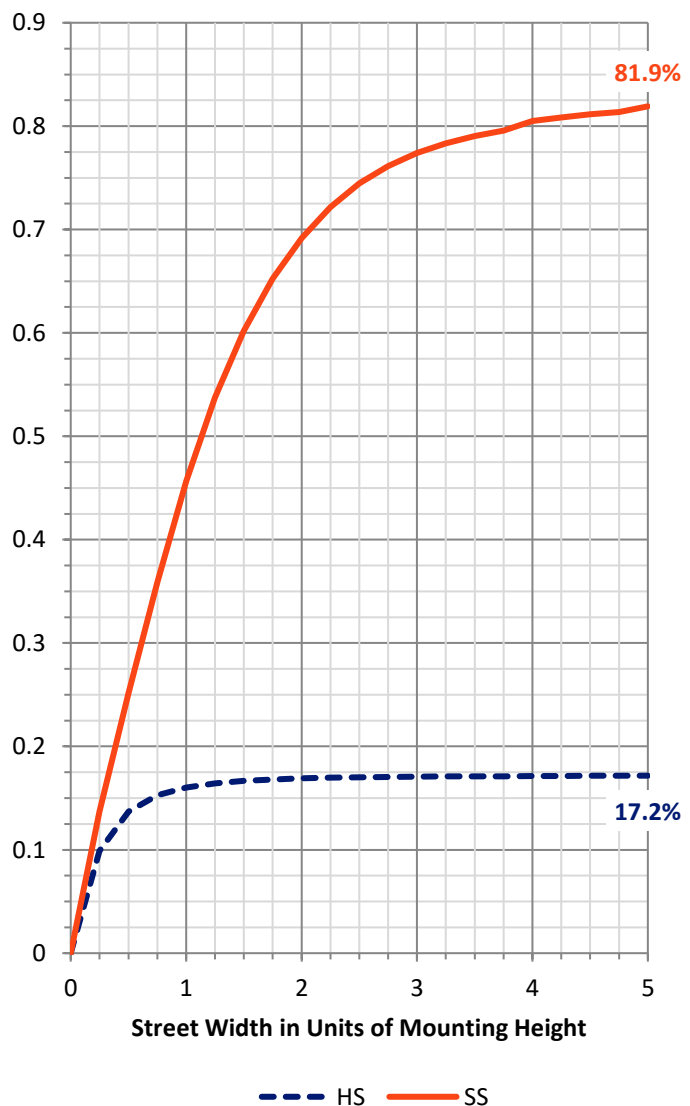
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	952.6	0.0	952.6
	% Fixture	17.4	0.0	17.4
Street Side	Lumens	4533.5	0.0	4533.5
	% Fixture	82.6	0.0	82.6
Total	Lumens	5486.1	0.0	5486.1
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	156.7	2.9
10°-20°	307.3	5.6
20°-30°	425.2	7.8
30°-40°	601.0	11.0
40°-50°	818.2	14.9
50°-60°	1083.7	19.8
60°-70°	1258.3	22.9
70°-80°	712.6	13.0
80°-90°	123.1	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°	5486.1	100.0
0°-180°	5486.1	100.0

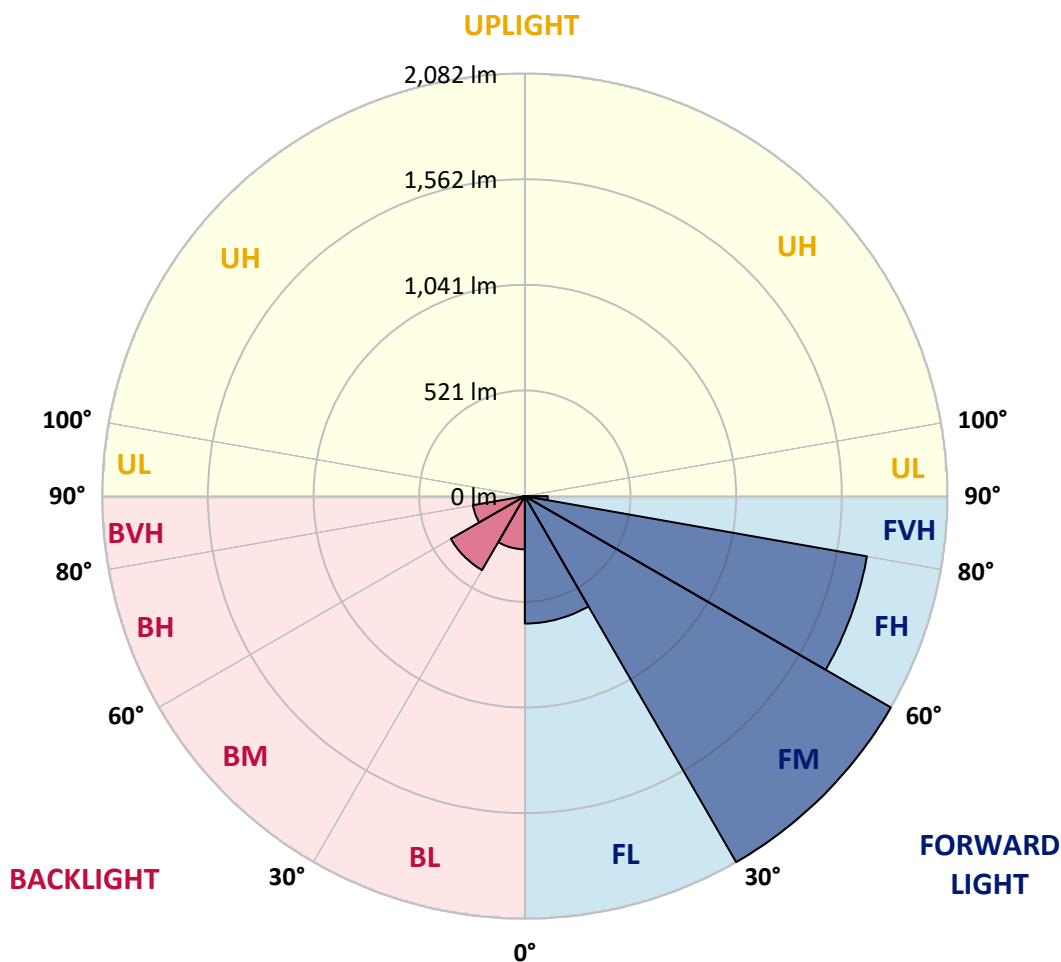


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	627.4	11.4			
FM (30°-60°)	2082.0	38.0			
FH (60°-80°)	1711.4	31.2			G1/1800
FVH (80°-90°)	112.7	2.1			G2/225
BL (0°-30°)	261.9	4.8	B1/500		
BM (30°-60°)	420.9	7.7	B1/1000		
BH (60°-80°)	259.4	4.7	B1/500		G1/500
BVH (80°-90°)	10.4	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°	2062.7	2062.7	2062.7	2062.7	2062.7	2062.7	2062.7	2062.7	2062.7	2062.7	2062.7
2.5°	2143.3	2188.7	2190.2	2210.7	2231.2	2231.2	2279.6	2267.8	2225.4	2218.0	2187.3
5°	2159.4	2175.5	2187.3	2291.3	2379.2	2370.4	2396.8	2379.2	2297.1	2191.7	2119.9
7.5°	2020.3	2037.8	2084.7	2262.0	2380.6	2420.2	2470.0	2360.1	2273.7	2083.3	1945.5
10°	1835.7	1869.4	1955.8	2158.0	2304.5	2430.5	2430.5	2342.6	2175.5	1989.5	1821.0
12.5°	1733.1	1800.5	1847.4	2052.5	2242.9	2329.4	2326.4	2279.6	2171.2	1936.7	1746.3
15°	1750.7	1769.7	1869.4	2029.0	2155.0	2150.6	2203.4	2188.7	2112.6	1983.6	1774.1
17.5°	1831.3	1860.6	1947.0	2029.0	2089.1	2071.5	2070.1	2140.4	2144.8	2062.7	1878.1
20°	1963.1	2049.6	2090.6	2115.5	2042.2	1967.5	1958.7	2056.9	2133.1	2163.8	2002.7
22.5°	2174.1	2231.2	2314.7	2187.3	1996.8	1903.1	1885.5	1993.9	2147.7	2284.0	2163.8
25°	2380.6	2424.6	2505.2	2341.1	2048.1	1889.9	1859.1	1952.9	2203.4	2451.0	2358.7
27.5°	2598.9	2637.0	2645.8	2453.9	2075.9	1863.5	1826.9	1952.9	2250.3	2538.9	2591.6
30°	2732.3	2777.7	2786.5	2553.5	2121.3	1885.5	1867.9	1961.7	2282.5	2613.6	2758.6
32.5°	2881.7	2893.4	2886.1	2571.1	2171.2	1949.9	1876.7	2020.3	2319.1	2703.0	2911.0
35°	3060.4	3080.9	3006.2	2651.7	2282.5	1991.0	1964.6	2092.0	2382.1	2744.0	3095.6
37.5°	3196.7	3261.1	3092.6	2682.4	2304.5	2077.4	2081.8	2241.5	2426.1	2793.8	3299.2
40°	3453.0	3344.6	3239.1	2787.9	2388.0	2223.9	2200.5	2395.3	2574.0	2826.0	3432.5
42.5°	3593.7	3536.5	3296.3	2798.2	2516.9	2426.1	2431.9	2569.6	2651.7	2916.8	3469.2
45°	3628.8	3568.8	3373.9	2805.5	2644.4	2664.9	2765.9	2792.3	2765.9	2976.9	3538.0
47.5°	3718.2	3587.8	3365.1	2903.7	2850.9	2930.0	3059.0	3116.1	2921.2	2954.9	3570.2
50°	3700.6	3625.9	3346.1	2944.7	3102.9	3312.4	3398.8	3375.4	3094.1	2909.5	3535.1
52.5°	3627.4	3546.8	3404.7	3056.0	3338.8	3592.2	3712.3	3653.7	3247.9	3012.1	3511.6
55°	3734.3	3672.8	3480.9	3206.9	3516.0	3838.3	3923.3	3879.4	3436.9	3107.3	3645.0
57.5°	3850.1	3836.9	3687.4	3384.2	3725.5	4091.8	4091.8	4037.6	3601.0	3245.0	3842.7
60°	4017.1	4046.4	3839.8	3501.4	3797.3	4077.1	4289.6	4226.6	3766.6	3486.7	4066.9
62.5°	3962.9	4056.6	4036.1	3753.4	3879.4	4148.9	4264.7	4311.5	3971.7	3781.2	4365.7
65°	3788.5	3888.1	4034.7	3918.9	3817.8	3974.6	4033.2	4175.3	4074.2	4058.1	4488.8
67.5°	3580.5	3688.9	3779.7	4030.3	3693.3	3797.3	3746.0	3791.5	3962.9	4361.3	4559.1
70°	3126.3	3230.4	3373.9	3782.7	3363.7	3269.9	3256.7	3234.8	3501.4	4252.9	4239.8
72.5°	2571.1	2619.4	2856.8	3075.1	2489.1	2471.5	2492.0	2467.1	2776.2	3850.1	3631.8
75°	1925.0	1973.4	2108.2	2361.6	1695.0	1593.9	1711.1	1826.9	2119.9	2988.6	2609.2
77.5°	1447.4	1509.0	1593.9	1766.8	1243.8	1085.6	1101.7	1211.6	1532.4	2393.8	1462.1
80°	939.1	931.7	1095.8	1216.0	936.1	965.4	924.4	1005.0	1110.5	1280.4	747.2
82.5°	542.1	549.4	618.2	697.3	651.9	745.7	537.7	898.1	792.6	521.5	278.4
85°	304.7	317.9	380.9	483.5	408.7	274.0	224.1	445.4	498.1	213.9	134.8
87.5°	30.8	26.4	51.3	183.1	111.3	45.4	67.4	106.9	120.1	80.6	39.6
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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2062.7	2062.7	2062.7	2062.7	2062.7	2062.7	2062.7	2062.7	2062.7	2062.7	2062.7
2.5°	2143.3	2143.3	2106.7	2045.2	2020.3	1976.3	1916.2	1935.3	1914.8	1840.1	1821.0
5°	2055.4	1985.1	1908.9	1815.2	1760.9	1649.6	1614.4	1551.5	1561.7	1498.7	1501.6
7.5°	1872.3	1816.6	1687.7	1564.6	1457.7	1361.0	1224.8	1173.5	1123.7	1098.8	1128.1
10°	1765.3	1661.3	1485.5	1324.4	1182.3	1095.8	1005.0	934.7	870.2	821.9	811.6
12.5°	1687.7	1595.4	1383.0	1186.7	1075.3	1005.0	921.5	824.8	761.8	678.3	653.4
15°	1664.3	1551.5	1327.3	1132.5	1024.0	908.3	813.1	717.9	635.8	547.9	517.2
17.5°	1744.8	1614.4	1325.8	1088.5	936.1	811.6	679.8	572.8	489.3	408.7	389.7
20°	1881.1	1681.8	1368.3	1062.1	852.6	685.6	536.2	429.2	335.5	282.7	269.6
22.5°	2036.4	1796.1	1372.7	991.8	769.1	559.6	391.2	282.7	230.0	205.1	197.8
25°	2226.8	1979.2	1425.5	934.7	671.0	424.9	278.4	216.8	186.1	171.4	168.5
27.5°	2383.6	2106.7	1482.6	874.6	574.3	315.0	218.3	177.3	161.2	146.5	145.0
30°	2546.2	2253.2	1498.7	838.0	490.8	259.3	187.5	156.8	139.2	131.9	130.4
32.5°	2688.3	2412.9	1550.0	777.9	411.7	228.5	169.9	140.6	128.9	117.2	115.7
35°	2871.4	2505.2	1574.9	745.7	382.4	206.6	155.3	128.9	111.3	104.0	101.1
37.5°	3067.7	2594.5	1591.0	720.8	357.5	193.4	146.5	121.6	105.5	95.2	92.3
40°	3250.9	2720.5	1567.6	690.0	338.4	177.3	140.6	112.8	98.2	87.9	83.5
42.5°	3391.5	2843.6	1560.2	660.7	317.9	171.4	133.3	108.4	92.3	80.6	79.1
45°	3470.6	2927.1	1509.0	637.3	301.8	174.3	130.4	102.6	87.9	77.6	71.8
47.5°	3451.6	2991.6	1522.2	630.0	279.8	162.6	128.9	98.2	80.6	71.8	67.4
50°	3557.1	3121.9	1500.2	606.5	263.7	146.5	140.6	98.2	79.1	68.9	64.5
52.5°	3574.6	3240.6	1547.1	564.0	238.8	134.8	139.2	96.7	76.2	65.9	60.1
55°	3721.1	3378.3	1637.9	540.6	218.3	117.2	127.5	93.8	68.9	60.1	57.1
57.5°	3920.4	3664.0	1696.5	518.6	190.5	102.6	106.9	92.3	63.0	55.7	51.3
60°	4112.3	3778.3	1700.9	479.1	164.1	92.3	83.5	92.3	58.6	49.8	45.4
62.5°	4255.9	3778.3	1671.6	445.4	143.6	82.0	73.3	87.9	52.7	44.0	41.0
65°	4178.2	3677.2	1595.4	417.5	130.4	71.8	63.0	67.4	46.9	38.1	35.2
67.5°	4039.0	3362.2	1426.9	383.8	128.9	63.0	54.2	49.8	41.0	33.7	30.8
70°	3816.4	2937.4	1188.1	345.7	126.0	57.1	48.3	42.5	36.6	29.3	26.4
72.5°	3075.1	2426.1	975.7	323.8	123.1	49.8	41.0	36.6	30.8	24.9	22.0
75°	2130.1	1550.0	751.6	276.9	120.1	45.4	38.1	32.2	26.4	20.5	19.0
77.5°	1277.5	1035.8	484.9	208.0	79.1	36.6	32.2	24.9	22.0	17.6	16.1
80°	597.7	489.3	196.3	80.6	38.1	26.4	22.0	19.0	17.6	14.7	13.2
82.5°	234.4	206.6	95.2	46.9	30.8	20.5	17.6	16.1	14.7	11.7	10.3
85°	126.0	111.3	45.4	32.2	22.0	14.7	14.7	13.2	11.7	10.3	8.8
87.5°	27.8	20.5	19.0	19.0	16.1	11.7	11.7	10.3	8.8	7.3	5.9
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°	2062.7	2062.7	2062.7	2062.7	2062.7	2062.7	2062.7	2062.7	2062.7	2062.7	2062.7
2.5°	1810.8	1832.7	1797.6	1819.5	1788.8	1812.2	1815.2	1793.2	1799.0	1828.3	1841.5
5°	1542.7	1528.0	1495.8	1485.5	1487.0	1467.9	1475.3	1485.5	1501.6	1510.4	1536.8
7.5°	1111.9	1145.6	1144.2	1169.1	1170.5	1167.6	1147.1	1103.2	1117.8	1106.1	1120.7
10°	795.5	810.2	838.0	854.1	883.4	867.3	820.4	802.8	794.0	792.6	807.2
12.5°	635.8	600.7	597.7	603.6	618.2	599.2	575.8	555.2	565.5	586.0	602.1
15°	492.2	462.9	424.9	419.0	421.9	413.1	388.2	361.9	369.2	389.7	401.4
17.5°	378.0	344.3	317.9	300.3	294.5	263.7	227.1	205.1	199.2	197.8	208.0
20°	254.9	249.1	244.7	222.7	222.7	178.7	148.0	131.9	131.9	134.8	136.2
22.5°	190.5	183.1	184.6	180.2	168.5	133.3	117.2	112.8	112.8	115.7	115.7
25°	165.5	155.3	152.4	150.9	139.2	114.3	102.6	98.2	98.2	101.1	101.1
27.5°	140.6	137.7	133.3	127.5	117.2	98.2	90.8	86.4	87.9	89.4	87.9
30°	128.9	121.6	115.7	115.7	104.0	87.9	82.0	79.1	76.2	79.1	80.6
32.5°	114.3	109.9	106.9	102.6	89.4	77.6	71.8	68.9	67.4	67.4	68.9
35°	98.2	98.2	95.2	89.4	77.6	70.3	63.0	60.1	58.6	60.1	60.1
37.5°	87.9	83.5	85.0	79.1	68.9	61.5	54.2	51.3	51.3	49.8	51.3
40°	82.0	74.7	70.3	67.4	61.5	52.7	46.9	44.0	42.5	42.5	42.5
42.5°	73.3	67.4	58.6	57.1	55.7	45.4	38.1	36.6	35.2	33.7	33.7
45°	68.9	60.1	52.7	45.4	45.4	38.1	32.2	29.3	27.8	26.4	27.8
47.5°	63.0	54.2	45.4	38.1	36.6	30.8	24.9	22.0	20.5	20.5	20.5
50°	60.1	48.3	39.6	32.2	27.8	24.9	19.0	16.1	14.7	14.7	14.7
52.5°	55.7	45.4	35.2	27.8	22.0	19.0	14.7	11.7	10.3	10.3	10.3
55°	49.8	41.0	30.8	23.4	19.0	14.7	10.3	7.3	5.9	5.9	5.9
57.5°	46.9	36.6	26.4	20.5	14.7	10.3	5.9	4.4	4.4	2.9	4.4
60°	42.5	32.2	22.0	16.1	11.7	7.3	4.4	1.5	1.5	1.5	1.5
62.5°	36.6	27.8	19.0	13.2	8.8	4.4	1.5	0.0	0.0	0.0	0.0
65°	30.8	22.0	14.7	10.3	5.9	1.5	0.0	0.0	0.0	0.0	0.0
67.5°	26.4	19.0	11.7	7.3	4.4	0.0	0.0	0.0	0.0	0.0	0.0
70°	23.4	16.1	8.8	5.9	1.5	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	19.0	13.2	7.3	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	16.1	10.3	4.4	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	13.2	7.3	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	10.3	5.9	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	8.8	4.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	5.9	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	4.4	1.5	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°	2062.7	2062.7	2062.7	2062.7	2062.7	2062.7	2062.7	2062.7	2062.7	2062.7
2.5°	1860.6	1851.8	1895.7	1967.5	2004.1	2075.9	2093.5	2138.9	2127.2	2143.3
5°	1539.7	1557.3	1621.8	1727.3	1765.3	1869.4	1967.5	2065.7	2128.7	2159.4
7.5°	1142.7	1201.3	1280.4	1377.1	1475.3	1611.5	1778.5	1892.8	1954.3	2020.3
10°	851.2	914.2	1005.0	1100.2	1259.9	1412.3	1579.3	1721.4	1774.1	1835.7
12.5°	669.5	767.7	873.1	975.7	1070.9	1216.0	1422.5	1629.1	1686.2	1733.1
15°	465.9	586.0	736.9	870.2	1003.5	1129.5	1343.4	1593.9	1671.6	1750.7
17.5°	257.8	353.1	525.9	713.5	909.8	1103.2	1369.8	1658.4	1775.6	1831.3
20°	149.4	187.5	310.6	533.3	792.6	1046.0	1383.0	1780.0	1935.3	1963.1
22.5°	123.1	136.2	175.8	334.0	649.0	1009.4	1450.4	1949.9	2108.2	2174.1
25°	105.5	115.7	136.2	200.7	490.8	931.7	1492.8	2162.4	2308.9	2380.6
27.5°	93.8	104.0	120.1	148.0	334.0	824.8	1563.2	2354.3	2500.8	2598.9
30°	82.0	90.8	106.9	126.0	231.5	704.7	1623.2	2494.9	2701.5	2732.3
32.5°	73.3	80.6	92.3	108.4	171.4	534.7	1671.6	2640.0	2814.3	2881.7
35°	63.0	71.8	79.1	92.3	130.4	402.9	1642.3	2752.8	2979.8	3060.4
37.5°	55.7	61.5	68.9	77.6	109.9	315.0	1582.2	2887.5	3121.9	3196.7
40°	46.9	51.3	60.1	68.9	99.6	243.2	1513.4	3050.2	3321.2	3453.0
42.5°	39.6	44.0	49.8	64.5	82.0	180.2	1374.2	3176.2	3482.3	3593.7
45°	30.8	36.6	45.4	64.5	65.9	133.3	1230.6	3269.9	3573.2	3628.8
47.5°	23.4	29.3	44.0	55.7	52.7	92.3	1060.7	3376.9	3666.9	3718.2
50°	17.6	23.4	49.8	48.3	44.0	70.3	953.7	3451.6	3672.8	3700.6
52.5°	11.7	17.6	41.0	36.6	36.6	61.5	924.4	3448.6	3687.4	3627.4
55°	8.8	13.2	23.4	26.4	32.2	54.2	898.1	3558.5	3691.8	3734.3
57.5°	5.9	10.3	16.1	20.5	27.8	46.9	843.8	3690.4	3828.1	3850.1
60°	2.9	7.3	11.7	16.1	23.4	41.0	767.7	3787.1	3993.6	4017.1
62.5°	1.5	4.4	8.8	13.2	19.0	32.2	688.6	3633.2	3921.8	3962.9
65°	0.0	2.9	5.9	8.8	11.7	23.4	559.6	3280.2	3637.6	3788.5
67.5°	0.0	0.0	2.9	5.9	7.3	17.6	421.9	2984.2	3375.4	3580.5
70°	0.0	0.0	1.5	1.5	4.4	13.2	269.6	2471.5	3013.5	3126.3
72.5°	0.0	0.0	0.0	0.0	1.5	8.8	156.8	1835.7	2361.6	2571.1
75°	0.0	0.0	0.0	0.0	0.0	7.3	79.1	1180.8	1643.7	1925.0
77.5°	0.0	0.0	0.0	0.0	0.0	5.9	42.5	761.8	1211.6	1447.4
80°	0.0	0.0	0.0	0.0	0.0	1.5	24.9	442.4	775.0	939.1
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	10.3	216.8	462.9	542.1
85°	0.0	0.0	0.0	0.0	0.0	0.0	2.9	115.7	231.5	304.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.4	16.1	30.8
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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