

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: P671741

Luminaire Tested: **CCP-SA-2C-835-U-SLL**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P671741
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2C-835-U-SLL
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @615mA w/ SLL
distribution lens
Light Source: (32) 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6181.6 lumens
Efficiency: N/A
Efficacy: 99.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

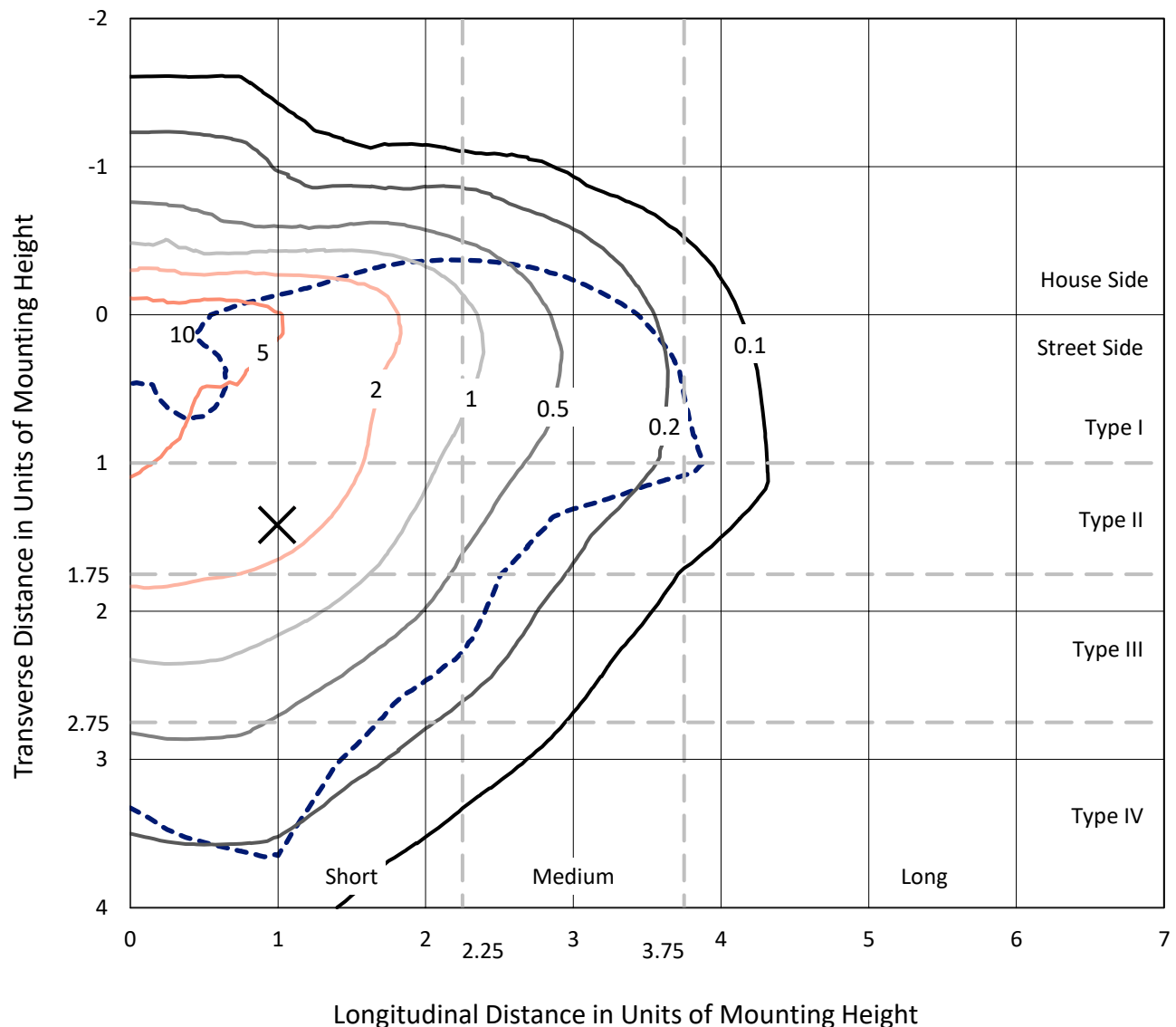
Input Watts (W): 62.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

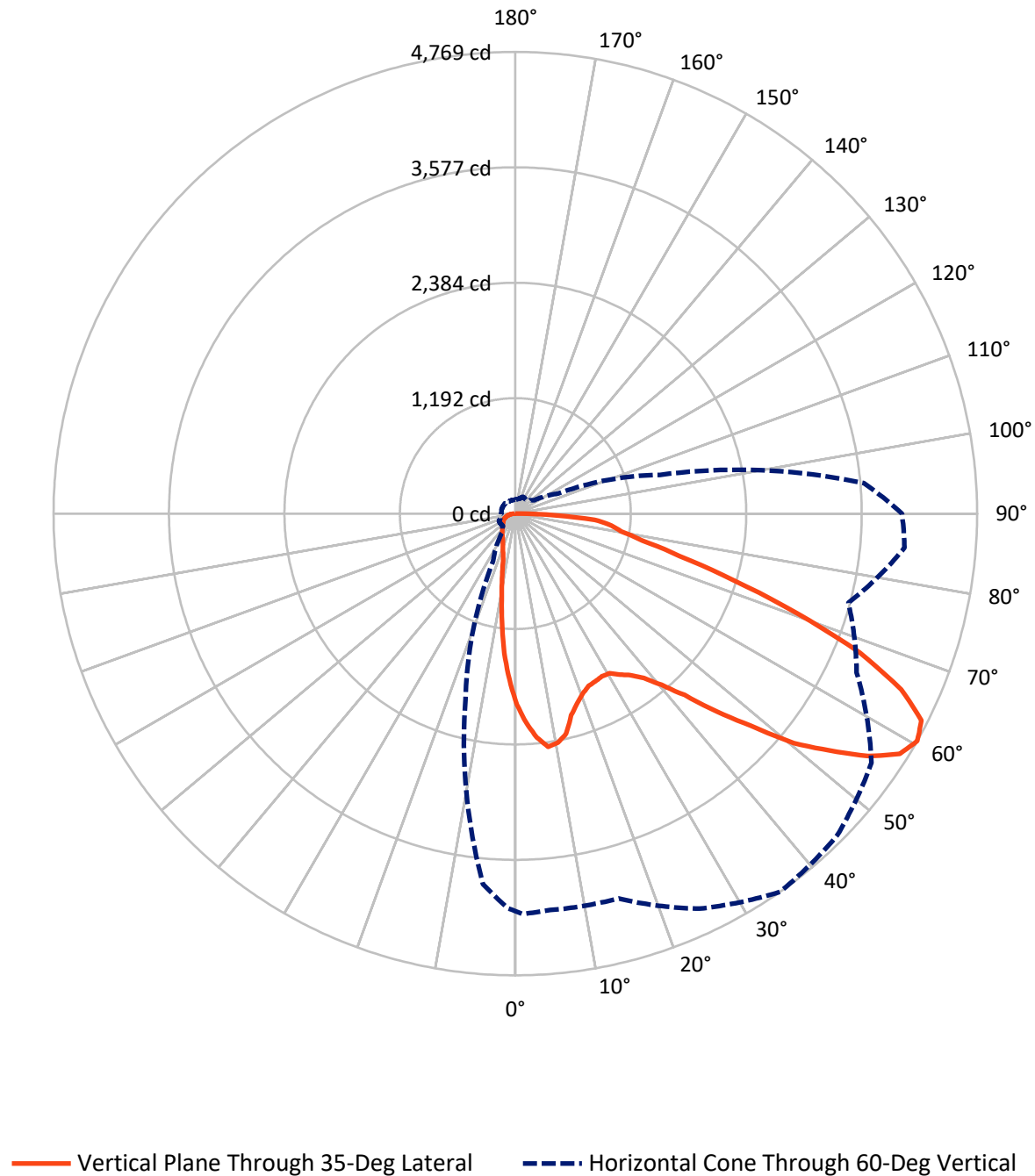


Based on 15 foot mounting height. Maximum calculated value = 10 fc

Type IV - Short - N/A

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Luminous Intensity Polar Plot



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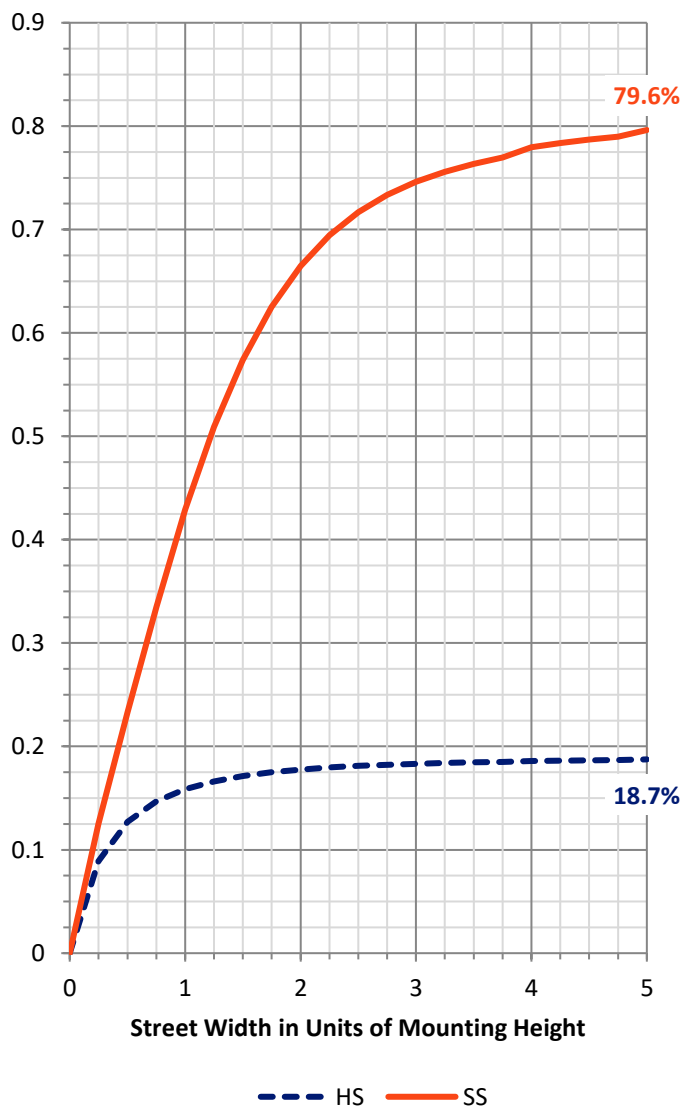
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1176.4	0.0	1176.4
	% Fixture	19.0	0.0	19.0
Street Side	Lumens	5005.2	0.0	5005.2
	% Fixture	81.0	0.0	81.0
Total	Lumens	6181.6	0.0	6181.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	153.4	2.5
10°-20°	323.8	5.2
20°-30°	473.8	7.7
30°-40°	667.6	10.8
40°-50°	917.5	14.8
50°-60°	1250.4	20.2
60°-70°	1368.5	22.1
70°-80°	790.1	12.8
80°-90°	236.6	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°	6181.6	100.0
0°-180°	6181.6	100.0

Coefficient of Utilization



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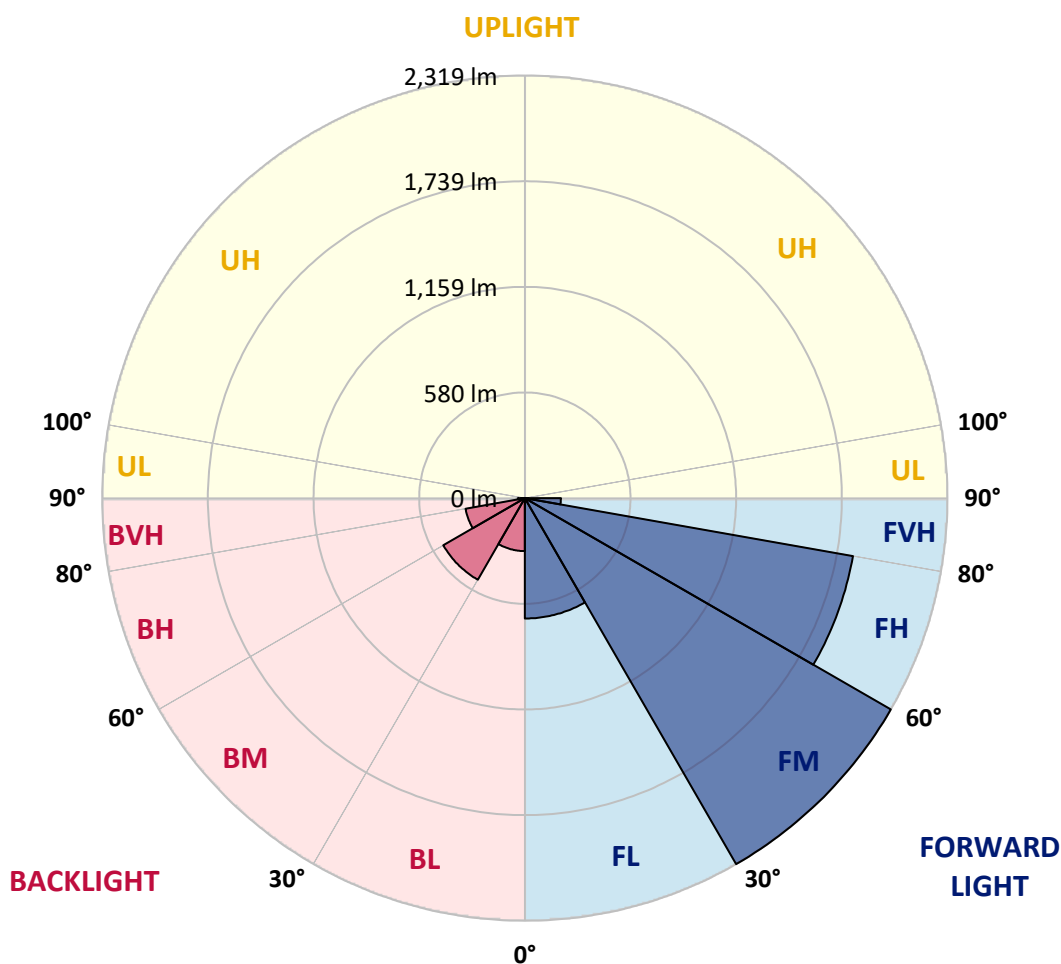
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	660.4	10.7			
FM	(30°-60°)	2318.6	37.5			
FH	(60°-80°)	1828.1	29.6			G2/5000
FVH	(80°-90°)	198.0	3.2			G2/225
BL	(0°-30°)	290.7	4.7	B1/500		
BM	(30°-60°)	516.8	8.4	B1/1000		
BH	(60°-80°)	330.4	5.3	B1/500		G1/500
BVH	(80°-90°)	38.6	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°	1974.4	1974.4	1974.4	1974.4	1974.4	1974.4	1974.4	1974.4	1974.4	1974.4	1974.4
2.5°	2114.2	2106.0	2114.2	2144.4	2152.6	2166.3	2166.3	2147.1	2111.5	2095.0	2067.6
5°	2160.8	2147.1	2215.7	2278.8	2328.1	2322.6	2276.0	2237.6	2166.3	2059.4	1957.9
7.5°	2067.6	2081.3	2130.7	2295.2	2410.4	2432.3	2358.3	2281.5	2127.9	1979.9	1842.8
10°	1892.1	1911.3	2018.3	2188.3	2369.3	2404.9	2358.3	2265.1	2081.3	1897.6	1738.6
12.5°	1807.1	1851.0	1914.1	2119.7	2248.6	2333.6	2311.7	2251.3	2045.7	1829.0	1675.5
15°	1807.1	1818.1	1911.3	2084.1	2158.1	2160.8	2169.1	2180.0	2056.6	1859.2	1653.5
17.5°	1864.7	1894.9	1974.4	2081.3	2095.0	2062.1	2062.1	2108.7	2078.6	1944.2	1733.1
20°	2004.5	1993.6	2097.8	2141.7	2067.6	1985.3	1977.1	2056.6	2103.3	2034.7	1878.4
22.5°	2144.4	2193.8	2278.8	2180.0	2042.9	1933.2	1922.3	2021.0	2177.3	2191.0	2045.7
25°	2355.5	2404.9	2448.8	2328.1	2040.2	1919.5	1927.8	2004.5	2267.8	2413.1	2325.4
27.5°	2583.1	2613.3	2676.4	2489.9	2106.0	1903.1	1911.3	2026.5	2352.8	2558.5	2544.8
30°	2712.0	2744.9	2731.2	2520.1	2149.9	1914.1	1892.1	2056.6	2306.2	2558.5	2687.4
32.5°	2838.2	2819.0	2810.8	2569.4	2204.7	1982.6	1927.8	2119.7	2333.6	2599.6	2871.1
35°	2991.7	2964.3	2942.4	2665.4	2295.2	2048.4	2023.7	2202.0	2393.9	2684.6	3019.2
37.5°	3161.8	3161.8	3054.8	2736.7	2402.2	2155.4	2127.9	2319.9	2489.9	2736.7	3222.1
40°	3361.9	3370.2	3180.9	2832.7	2522.8	2325.4	2317.2	2473.5	2583.1	2813.5	3416.8
42.5°	3510.0	3515.5	3290.6	2868.3	2662.7	2561.2	2596.9	2720.3	2690.1	2882.0	3430.5
45°	3611.5	3584.0	3367.4	2969.8	2816.2	2915.0	2925.9	2961.6	2829.9	2923.2	3485.3
47.5°	3660.8	3655.3	3400.3	3087.7	3139.8	3274.2	3337.3	3287.9	2958.8	2879.3	3485.3
50°	3710.2	3663.6	3430.5	3249.5	3455.2	3726.6	3712.9	3622.4	3137.1	2934.1	3433.2
52.5°	3743.1	3702.0	3490.8	3394.8	3756.8	4063.9	4118.8	3951.5	3345.5	3035.6	3457.9
55°	3861.0	3828.1	3671.8	3592.3	4105.1	4420.4	4428.6	4195.6	3564.9	3202.9	3619.7
57.5°	4003.6	4022.8	3921.3	3872.0	4371.1	4680.9	4650.8	4376.5	3751.3	3405.8	3806.2
60°	4105.1	4135.2	4110.6	4116.0	4502.7	4768.7	4700.1	4489.0	3888.4	3559.4	4033.8
62.5°	4050.2	4110.6	4212.0	4190.1	4508.2	4705.6	4609.6	4340.9	3904.9	3759.5	4206.5
65°	3899.4	3904.9	4102.3	4223.0	4261.4	4379.3	4253.1	4031.0	3734.9	3882.9	4181.8
67.5°	3512.8	3556.6	3734.9	3970.7	3808.9	3836.3	3825.4	3504.5	3477.1	3797.9	3992.6
70°	3101.4	3131.6	3326.3	3603.2	3216.6	3087.7	3112.4	2873.8	2986.3	3534.7	3611.5
72.5°	2564.0	2583.1	2805.3	3049.3	2580.4	2350.1	2407.6	2213.0	2372.0	3093.2	3046.6
75°	1936.0	1971.6	2144.4	2432.3	1900.3	1752.3	1809.8	1730.3	1878.4	2547.5	2363.8
77.5°	1376.6	1349.2	1563.1	1903.1	1428.7	1340.9	1346.4	1360.1	1519.2	2147.1	1697.4
80°	937.8	946.1	1138.0	1395.8	1121.6	1107.8	1094.1	1203.8	1275.1	1700.2	1234.0
82.5°	556.7	556.7	767.8	992.7	885.7	998.2	935.1	1033.8	998.2	1250.4	808.9
85°	260.5	260.5	394.9	715.7	685.5	822.7	699.3	781.5	737.7	872.0	364.7
87.5°	43.9	38.4	79.5	351.0	282.4	320.8	126.1	416.8	463.4	608.8	90.5
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°	1974.4	1974.4	1974.4	1974.4	1974.4	1974.4	1974.4	1974.4	1974.4	1974.4	1974.4
2.5°	2037.5	2018.3	1979.9	1930.5	1889.4	1837.3	1820.8	1785.2	1735.8	1730.3	1708.4
5°	1919.5	1853.7	1771.5	1670.0	1601.4	1530.1	1469.8	1434.2	1393.0	1387.6	1376.6
7.5°	1790.7	1708.4	1571.3	1450.6	1332.7	1220.3	1165.4	1096.9	1050.3	1014.6	998.2
10°	1670.0	1593.2	1423.2	1258.7	1154.5	1080.4	1014.6	943.3	885.7	841.9	825.4
12.5°	1590.5	1500.0	1316.3	1159.9	1083.2	998.2	924.1	847.3	773.3	715.7	685.5
15°	1554.8	1469.8	1283.3	1110.6	998.2	880.2	795.2	718.5	628.0	586.8	573.1
17.5°	1639.8	1513.7	1272.4	1053.0	894.0	759.6	655.4	573.1	507.3	466.2	449.7
20°	1749.5	1593.2	1291.6	984.4	795.2	644.4	529.2	441.5	397.6	367.5	364.7
22.5°	1889.4	1711.1	1321.7	935.1	685.5	518.3	414.1	362.0	331.8	329.1	323.6
25°	2138.9	1925.0	1371.1	869.3	597.8	427.8	353.7	323.6	309.9	301.6	307.1
27.5°	2352.8	2064.9	1406.7	828.1	562.2	403.1	342.8	309.9	296.2	293.4	296.2
30°	2478.9	2193.8	1395.8	751.4	490.9	383.9	364.7	353.7	326.3	304.4	304.4
32.5°	2594.1	2276.0	1393.0	682.8	419.6	320.8	304.4	296.2	312.6	323.6	315.4
35°	2753.2	2404.9	1384.8	644.4	389.4	296.2	268.7	246.8	235.8	230.3	238.6
37.5°	2923.2	2492.7	1362.9	638.9	372.9	282.4	260.5	238.6	227.6	222.1	219.4
40°	3109.6	2585.9	1338.2	611.5	364.7	274.2	252.3	233.1	219.4	211.1	208.4
42.5°	3230.3	2659.9	1313.5	597.8	348.3	268.7	244.1	227.6	213.9	202.9	202.9
45°	3298.9	2747.7	1288.8	584.1	329.1	271.5	244.1	222.1	205.7	200.2	194.7
47.5°	3329.0	2813.5	1280.6	562.2	312.6	260.5	238.6	216.6	200.2	189.2	186.5
50°	3408.5	2953.3	1310.8	545.7	293.4	249.5	252.3	213.9	197.4	183.7	181.0
52.5°	3455.2	3065.8	1376.6	521.0	279.7	235.8	246.8	208.4	189.2	175.5	175.5
55°	3625.2	3252.2	1447.9	501.8	263.3	216.6	227.6	197.4	175.5	167.3	167.3
57.5°	3841.8	3449.7	1508.2	493.6	252.3	202.9	202.9	192.0	167.3	156.3	153.6
60°	3992.6	3611.5	1543.9	488.1	241.3	189.2	181.0	192.0	159.0	148.1	145.3
62.5°	4009.1	3518.2	1508.2	485.4	238.6	175.5	164.5	183.7	150.8	139.9	134.4
65°	3904.9	3329.0	1409.5	474.4	235.8	161.8	153.6	159.0	139.9	131.6	126.1
67.5°	3696.5	3021.9	1266.9	468.9	233.1	150.8	139.9	137.1	128.9	120.7	115.2
70°	3211.1	2621.5	1099.6	444.2	227.6	142.6	126.1	123.4	115.2	109.7	106.9
72.5°	2695.6	2144.4	907.7	411.3	216.6	128.9	115.2	109.7	106.9	98.7	96.0
75°	2064.9	1650.8	726.7	364.7	189.2	115.2	101.5	96.0	93.2	87.8	85.0
77.5°	1450.6	1228.5	537.5	296.2	159.0	104.2	90.5	85.0	82.3	74.0	74.0
80°	984.4	861.0	364.7	205.7	123.4	85.0	79.5	74.0	68.6	63.1	63.1
82.5°	611.5	603.3	263.3	134.4	90.5	68.6	63.1	63.1	54.8	49.4	49.4
85°	279.7	370.2	183.7	93.2	68.6	52.1	52.1	49.4	43.9	35.6	35.6
87.5°	87.8	123.4	96.0	41.1	38.4	30.2	30.2	27.4	27.4	21.9	21.9
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°	1974.4	1974.4	1974.4	1974.4	1974.4	1974.4	1974.4	1974.4	1974.4	1974.4	1974.4
2.5°	1730.3	1727.6	1727.6	1716.6	1744.0	1744.0	1760.5	1746.8	1755.0	1757.7	1779.7
5°	1373.8	1395.8	1412.2	1445.1	1464.3	1472.6	1472.6	1494.5	1486.3	1502.7	1535.6
7.5°	1006.4	1033.8	1083.2	1124.3	1157.2	1168.2	1165.4	1170.9	1179.1	1159.9	1165.4
10°	814.4	795.2	811.7	850.1	880.2	915.9	888.5	885.7	894.0	885.7	902.2
12.5°	680.1	658.1	644.4	644.4	666.4	682.8	674.6	688.3	718.5	726.7	745.9
15°	551.2	532.0	521.0	507.3	529.2	534.7	543.0	562.2	584.1	595.1	617.0
17.5°	441.5	441.5	441.5	430.5	438.8	447.0	449.7	474.4	477.1	488.1	496.3
20°	362.0	370.2	383.9	389.4	397.6	397.6	392.1	405.8	394.9	403.1	408.6
22.5°	326.3	337.3	342.8	345.5	356.5	359.2	345.5	348.3	351.0	342.8	345.5
25°	307.1	312.6	307.1	309.9	312.6	307.1	309.9	315.4	312.6	318.1	315.4
27.5°	298.9	293.4	290.7	287.9	287.9	282.4	285.2	285.2	290.7	293.4	293.4
30°	298.9	290.7	279.7	271.5	271.5	263.3	268.7	274.2	277.0	282.4	282.4
32.5°	307.1	290.7	271.5	263.3	255.0	249.5	255.0	263.3	274.2	277.0	279.7
35°	244.1	252.3	249.5	238.6	235.8	235.8	233.1	233.1	224.9	224.9	222.1
37.5°	219.4	216.6	222.1	224.9	227.6	219.4	219.4	208.4	205.7	208.4	208.4
40°	205.7	205.7	205.7	213.9	216.6	211.1	202.9	197.4	197.4	197.4	200.2
42.5°	200.2	194.7	192.0	197.4	205.7	200.2	192.0	189.2	189.2	192.0	192.0
45°	192.0	189.2	186.5	183.7	194.7	186.5	183.7	181.0	181.0	181.0	183.7
47.5°	183.7	181.0	175.5	175.5	178.2	175.5	172.8	172.8	172.8	178.2	178.2
50°	178.2	175.5	170.0	170.0	170.0	170.0	167.3	167.3	167.3	170.0	172.8
52.5°	170.0	167.3	164.5	161.8	161.8	161.8	161.8	161.8	161.8	164.5	167.3
55°	161.8	159.0	156.3	156.3	159.0	159.0	156.3	159.0	156.3	159.0	161.8
57.5°	153.6	150.8	148.1	150.8	153.6	150.8	150.8	150.8	150.8	150.8	153.6
60°	142.6	142.6	142.6	142.6	148.1	148.1	148.1	148.1	142.6	145.3	148.1
62.5°	137.1	134.4	134.4	137.1	139.9	139.9	142.6	139.9	137.1	139.9	139.9
65°	126.1	126.1	126.1	128.9	128.9	131.6	131.6	131.6	128.9	131.6	131.6
67.5°	117.9	117.9	117.9	117.9	123.4	123.4	123.4	123.4	120.7	120.7	123.4
70°	104.2	106.9	104.2	109.7	115.2	112.4	115.2	115.2	112.4	109.7	115.2
72.5°	96.0	96.0	96.0	96.0	104.2	104.2	104.2	106.9	104.2	101.5	104.2
75°	85.0	85.0	85.0	87.8	93.2	93.2	93.2	93.2	93.2	90.5	90.5
77.5°	74.0	76.8	74.0	76.8	82.3	79.5	82.3	85.0	82.3	79.5	79.5
80°	63.1	63.1	63.1	65.8	68.6	68.6	68.6	71.3	68.6	65.8	65.8
82.5°	49.4	49.4	52.1	52.1	54.8	54.8	54.8	57.6	54.8	52.1	52.1
85°	38.4	38.4	38.4	41.1	41.1	43.9	43.9	46.6	46.6	43.9	43.9
87.5°	24.7	21.9	24.7	24.7	27.4	27.4	24.7	21.9	24.7	21.9	19.2
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°	1974.4	1974.4	1974.4	1974.4	1974.4	1974.4	1974.4	1974.4	1974.4	1974.4
2.5°	1801.6	1851.0	1886.6	1911.3	1947.0	2015.5	2042.9	2092.3	2106.0	2114.2
5°	1549.3	1601.4	1678.2	1733.1	1796.1	1925.0	2023.7	2097.8	2130.7	2160.8
7.5°	1214.8	1283.3	1362.9	1434.2	1538.4	1697.4	1826.3	1979.9	2037.5	2067.6
10°	948.8	1011.9	1099.6	1187.4	1332.7	1467.1	1650.8	1790.7	1870.2	1892.1
12.5°	800.7	874.8	979.0	1085.9	1176.4	1330.0	1516.4	1719.4	1793.4	1807.1
15°	680.1	781.5	888.5	998.2	1102.4	1236.7	1436.9	1683.7	1793.4	1807.1
17.5°	562.2	652.6	778.8	896.7	1017.4	1201.1	1450.6	1713.9	1823.6	1864.7
20°	447.0	534.7	633.4	781.5	946.1	1140.8	1480.8	1815.3	1960.7	2004.5
22.5°	370.2	408.6	504.6	647.2	841.9	1099.6	1510.9	1974.4	2127.9	2144.4
25°	323.6	351.0	411.3	545.7	759.6	1072.2	1582.2	2158.1	2355.5	2355.5
27.5°	301.6	312.6	353.7	474.4	702.0	1047.5	1653.5	2361.0	2544.8	2583.1
30°	296.2	323.6	345.5	422.3	638.9	979.0	1719.4	2520.1	2709.3	2712.0
32.5°	290.7	285.2	301.6	367.5	562.2	907.7	1774.2	2681.9	2829.9	2838.2
35°	227.6	238.6	266.0	323.6	504.6	855.6	1801.6	2769.6	2983.5	2991.7
37.5°	213.9	227.6	249.5	298.9	466.2	811.7	1809.8	2939.6	3145.3	3161.8
40°	208.4	219.4	235.8	277.0	436.0	756.8	1826.3	3115.1	3383.9	3361.9
42.5°	197.4	211.1	227.6	266.0	411.3	715.7	1829.0	3211.1	3510.0	3510.0
45°	194.7	202.9	222.1	266.0	383.9	680.1	1785.2	3307.1	3655.3	3611.5
47.5°	183.7	200.2	216.6	257.8	351.0	644.4	1733.1	3356.4	3674.5	3660.8
50°	181.0	197.4	224.9	244.1	331.8	628.0	1722.1	3479.8	3712.9	3710.2
52.5°	175.5	192.0	233.1	233.1	307.1	606.0	1774.2	3534.7	3721.2	3743.1
55°	167.3	192.0	216.6	213.9	285.2	578.6	1831.8	3677.3	3866.5	3861.0
57.5°	161.8	186.5	205.7	194.7	260.5	559.4	1916.8	3814.4	4042.0	4003.6
60°	153.6	186.5	183.7	181.0	241.3	543.0	1988.1	3841.8	4080.4	4105.1
62.5°	148.1	194.7	161.8	167.3	224.9	534.7	1957.9	3636.2	4028.3	4050.2
65°	142.6	167.3	148.1	153.6	219.4	518.3	1840.0	3389.4	3803.4	3899.4
67.5°	131.6	137.1	137.1	142.6	213.9	479.9	1598.7	2945.1	3460.7	3512.8
70°	120.7	123.4	123.4	131.6	208.4	436.0	1319.0	2547.5	3002.7	3101.4
72.5°	109.7	109.7	109.7	120.7	192.0	400.4	1085.9	1957.9	2495.4	2564.0
75°	96.0	96.0	96.0	106.9	172.8	364.7	855.6	1456.1	1837.3	1936.0
77.5°	85.0	85.0	82.3	96.0	150.8	296.2	617.0	1028.3	1294.3	1376.6
80°	71.3	68.6	68.6	76.8	117.9	213.9	397.6	726.7	902.2	937.8
82.5°	57.6	54.8	52.1	57.6	85.0	134.4	246.8	507.3	578.6	556.7
85°	54.8	57.6	46.6	43.9	60.3	87.8	156.3	312.6	260.5	260.5
87.5°	21.9	19.2	19.2	16.5	30.2	32.9	68.6	57.6	43.9	43.9
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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