

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: P675841

Luminaire Tested: **CCW-SA-2E-735-U-SLL**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P675841
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-2E-735-U-SLL
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @1050mA w/
SLL distribution lens
Light Source: (32) 3500K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

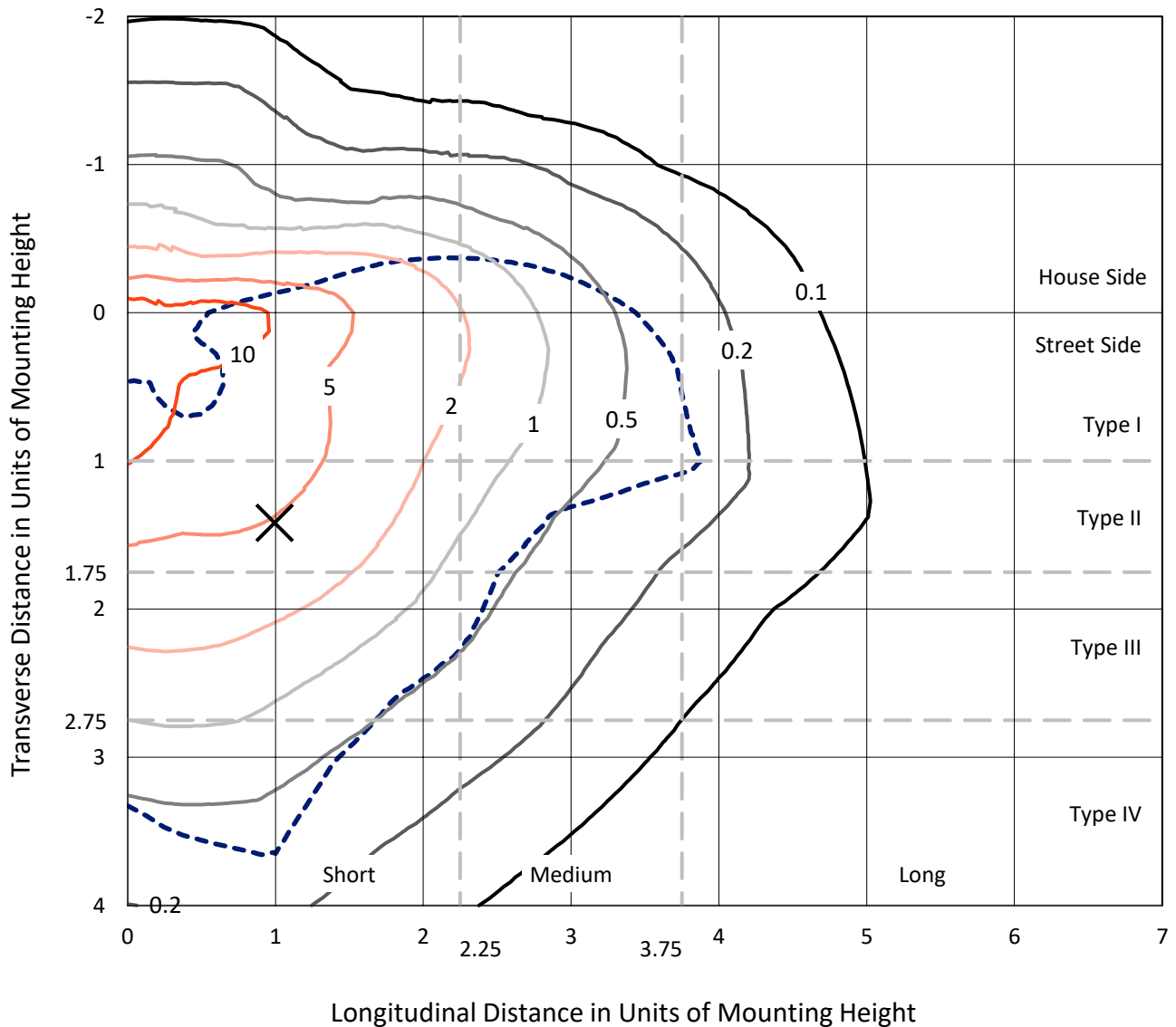
Lumens per Lamp: N/A
Luminaire Lumens: 11189.5 lumens
Efficiency: N/A
Efficacy: 105.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G3

Input Watts (W): 106.6
Input Voltage (V): 120
Input Current (A_{in}): 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

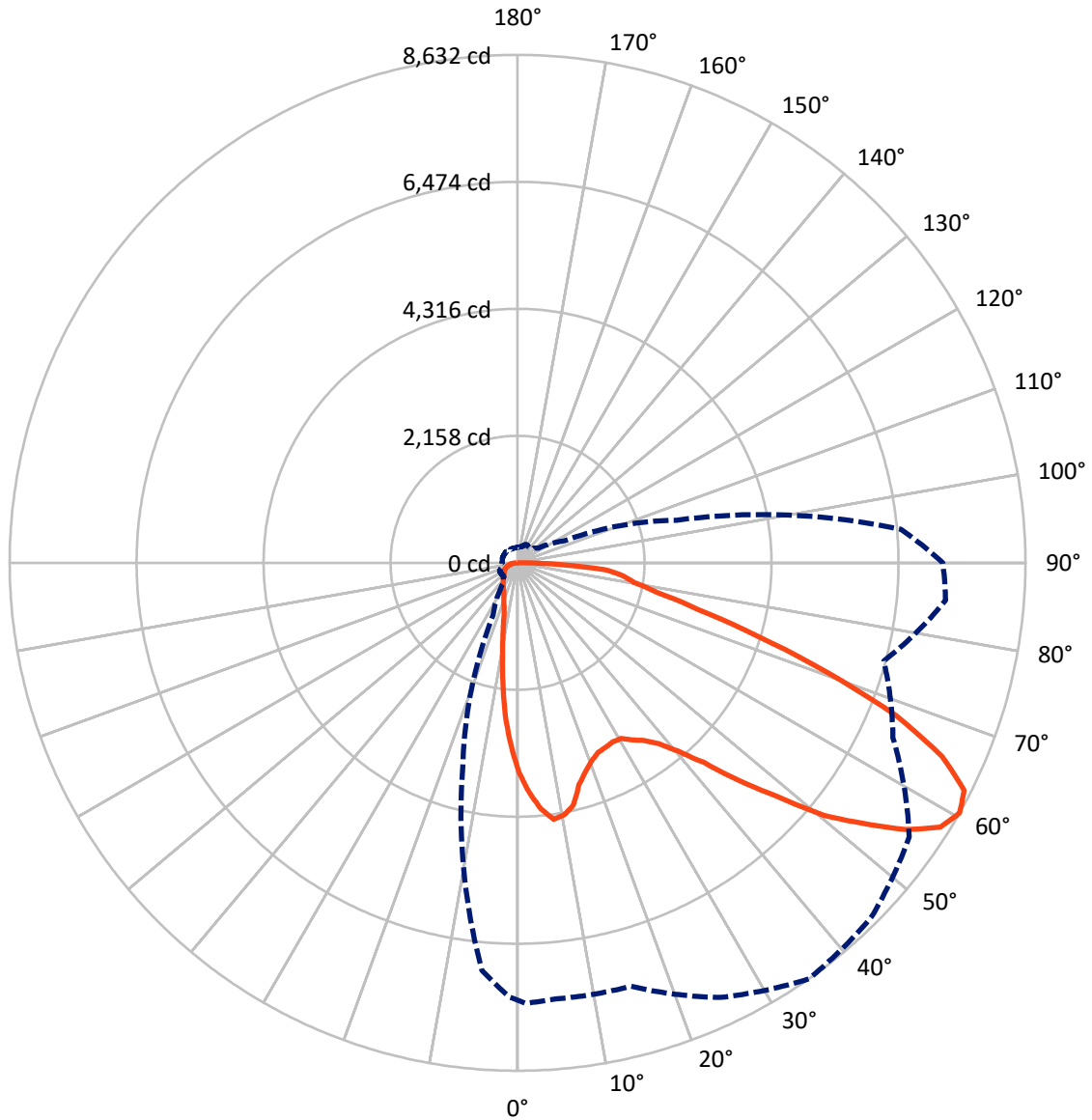
✕ Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 18.1 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	2129.5	0.0	2129.5
	% Fixture	19.0	0.0	19.0
Street Side	Lumens	9060.0	0.0	9060.0
	% Fixture	81.0	0.0	81.0
Total	Lumens	11189.5	0.0	11189.5
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	277.6	2.5
10°-20°	586.2	5.2
20°-30°	857.7	7.7
30°-40°	1208.4	10.8
40°-50°	1660.7	14.8
50°-60°	2263.3	20.2
60°-70°	2477.1	22.1
70°-80°	1430.1	12.8
80°-90°	428.3	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°	11189.5	100.0
0°-180°	11189.5	100.0

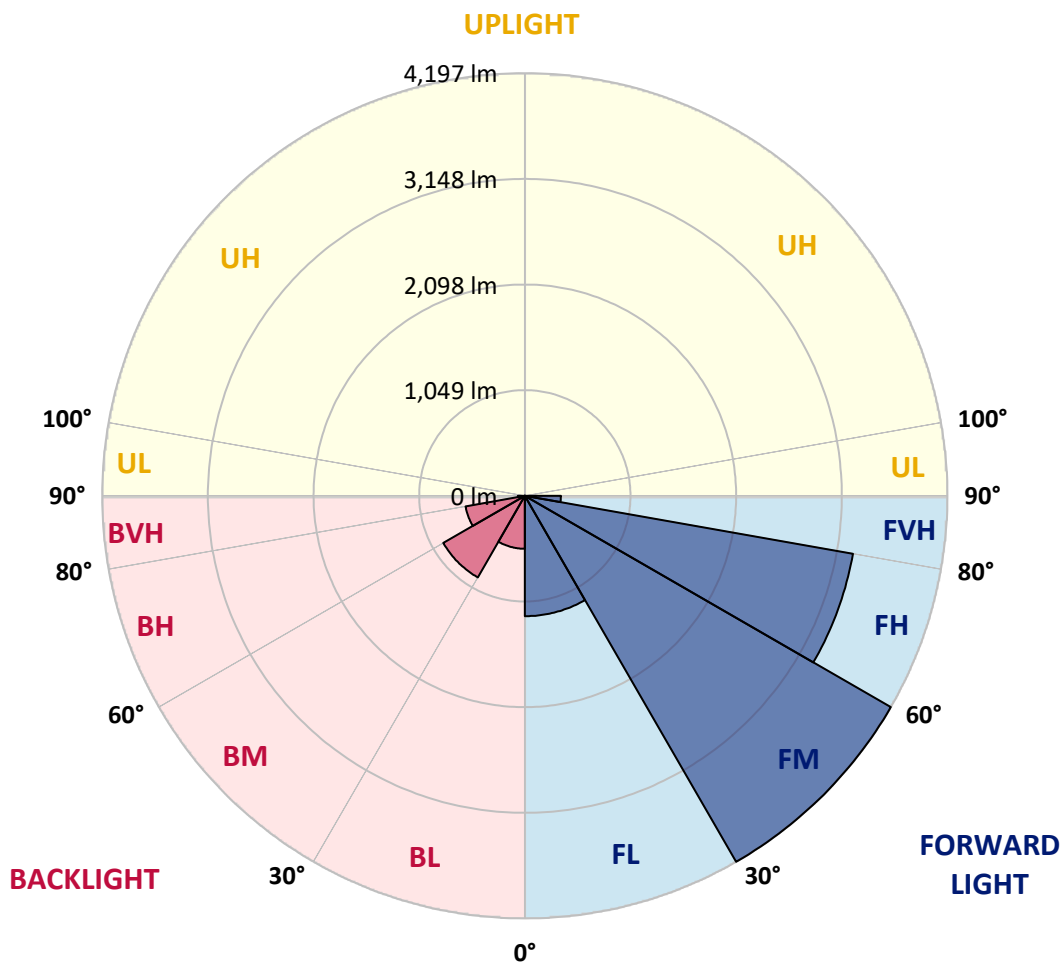


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1195.4	10.7			
FM	(30°-60°)	4197.0	37.5			
FH	(60°-80°)	3309.1	29.6			G2/5000
FVH	(80°-90°)	358.5	3.2			G3/500
BL	(0°-30°)	526.1	4.7	B2/1000		
BM	(30°-60°)	935.5	8.4	B1/1000		
BH	(60°-80°)	598.1	5.3	B2/1000		G2/1000
BVH	(80°-90°)	69.8	0.6			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3
 Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	3573.9	3573.9	3573.9	3573.9	3573.9	3573.9	3573.9	3573.9	3573.9	3573.9	3573.9
2.5°	3827.0	3812.1	3827.0	3881.6	3896.5	3921.3	3921.3	3886.6	3822.0	3792.3	3742.6
5°	3911.4	3886.6	4010.7	4124.8	4214.2	4204.2	4119.9	4050.4	3921.3	3727.7	3544.1
7.5°	3742.6	3767.4	3856.8	4154.6	4363.1	4402.8	4268.8	4129.8	3851.8	3583.8	3335.6
10°	3424.9	3459.7	3653.3	3961.0	4288.6	4353.2	4268.8	4100.0	3767.4	3434.9	3147.0
12.5°	3271.1	3350.5	3464.7	3836.9	4070.2	4224.1	4184.4	4075.2	3702.9	3310.8	3032.8
15°	3271.1	3290.9	3459.7	3772.4	3906.4	3911.4	3926.3	3946.1	3722.8	3365.4	2993.1
17.5°	3375.3	3429.9	3573.9	3767.4	3792.3	3732.7	3732.7	3817.1	3762.5	3519.3	3137.0
20°	3628.5	3608.6	3797.2	3876.6	3742.6	3593.7	3578.8	3722.8	3807.1	3683.1	3400.1
22.5°	3881.6	3970.9	4124.8	3946.1	3697.9	3499.4	3479.5	3658.2	3941.2	3966.0	3702.9
25°	4263.8	4353.2	4432.6	4214.2	3693.0	3474.6	3489.5	3628.5	4105.0	4368.0	4209.2
27.5°	4675.8	4730.4	4844.6	4507.0	3812.1	3444.8	3459.7	3668.2	4258.8	4631.1	4606.3
30°	4909.1	4968.7	4943.8	4561.6	3891.5	3464.7	3424.9	3722.8	4174.5	4631.1	4864.4
32.5°	5137.4	5102.7	5087.8	4651.0	3990.8	3588.7	3489.5	3836.9	4224.1	4705.6	5197.0
35°	5415.4	5365.7	5326.0	4824.7	4154.6	3707.9	3663.2	3985.8	4333.3	4859.4	5465.0
37.5°	5723.1	5723.1	5529.5	4953.8	4348.2	3901.5	3851.8	4199.3	4507.0	4953.8	5832.3
40°	6085.5	6100.4	5757.9	5127.5	4566.6	4209.2	4194.3	4477.2	4675.8	5092.7	6184.8
42.5°	6353.5	6363.4	5956.4	5192.0	4819.7	4636.1	4700.6	4924.0	4869.4	5216.8	6209.6
45°	6537.2	6487.5	6095.4	5375.7	5097.7	5276.4	5296.3	5360.8	5122.5	5291.3	6308.8
47.5°	6626.5	6616.6	6155.0	5589.1	5683.4	5926.6	6040.8	5951.5	5355.8	5211.9	6308.8
50°	6715.9	6631.5	6209.6	5882.0	6254.2	6745.7	6720.8	6557.0	5678.5	5311.1	6214.5
52.5°	6775.4	6701.0	6318.8	6145.0	6800.3	7356.2	7455.5	7152.7	6055.7	5494.8	6259.2
55°	6988.9	6929.3	6646.4	6502.4	7430.6	8001.5	8016.4	7594.4	6452.8	5797.6	6552.1
57.5°	7247.0	7281.7	7098.1	7008.7	7912.1	8473.0	8418.4	7922.0	6790.3	6164.9	6889.6
60°	7430.6	7485.2	7440.6	7450.5	8150.4	8631.9	8507.8	8125.6	7038.5	6442.9	7301.6
62.5°	7331.4	7440.6	7624.2	7584.5	8160.3	8517.7	8344.0	7857.5	7068.3	6805.2	7614.3
65°	7058.4	7068.3	7425.7	7644.1	7713.6	7927.0	7698.7	7296.6	6760.5	7028.6	7569.6
67.5°	6358.5	6437.9	6760.5	7187.4	6894.6	6944.2	6924.3	6343.6	6294.0	6874.7	7227.1
70°	5613.9	5668.5	6021.0	6522.3	5822.4	5589.1	5633.8	5201.9	5405.5	6398.2	6537.2
72.5°	4641.0	4675.8	5077.9	5519.6	4670.8	4253.9	4358.1	4005.7	4293.6	5599.0	5514.7
75°	3504.4	3568.9	3881.6	4402.8	3439.8	3171.8	3276.0	3132.1	3400.1	4611.3	4278.7
77.5°	2491.8	2442.1	2829.3	3444.8	2586.1	2427.2	2437.2	2462.0	2749.9	3886.6	3072.5
80°	1697.6	1712.5	2059.9	2526.5	2030.1	2005.3	1980.5	2179.1	2308.1	3077.5	2233.7
82.5°	1007.6	1007.6	1389.8	1796.9	1603.3	1806.8	1692.6	1871.3	1806.8	2263.4	1464.3
85°	471.6	471.6	714.8	1295.5	1240.9	1489.1	1265.7	1414.7	1335.2	1578.5	660.2
87.5°	79.4	69.5	143.9	635.4	511.3	580.8	228.3	754.5	838.9	1101.9	163.8
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°	3573.9	3573.9	3573.9	3573.9	3573.9	3573.9	3573.9	3573.9	3573.9	3573.9	3573.9
2.5°	3688.0	3653.3	3583.8	3494.4	3420.0	3325.7	3295.9	3231.4	3142.0	3132.1	3092.4
5°	3474.6	3355.5	3206.5	3022.9	2898.8	2769.7	2660.5	2596.0	2521.6	2511.6	2491.8
7.5°	3241.3	3092.4	2844.2	2625.8	2412.4	2208.8	2109.6	1985.5	1901.1	1836.6	1806.8
10°	3022.9	2883.9	2576.2	2278.3	2089.7	1955.7	1836.6	1707.5	1603.3	1523.9	1494.1
12.5°	2878.9	2715.1	2382.6	2099.6	1960.7	1806.8	1672.8	1533.8	1399.8	1295.5	1240.9
15°	2814.4	2660.5	2323.0	2010.3	1806.8	1593.3	1439.5	1300.5	1136.7	1062.2	1037.4
17.5°	2968.3	2740.0	2303.2	1906.1	1618.2	1374.9	1186.3	1037.4	918.3	843.8	814.0
20°	3166.8	2883.9	2337.9	1782.0	1439.5	1166.5	958.0	799.2	719.7	665.1	660.2
22.5°	3420.0	3097.3	2392.5	1692.6	1240.9	938.1	749.5	655.2	600.6	595.6	585.7
25°	3871.7	3484.5	2481.8	1573.5	1082.1	774.3	640.3	585.7	560.9	546.0	555.9
27.5°	4258.8	3737.7	2546.4	1499.0	1017.6	729.7	620.5	560.9	536.1	531.1	536.1
30°	4487.2	3970.9	2526.5	1360.1	888.5	694.9	660.2	640.3	590.7	551.0	551.0
32.5°	4695.6	4119.9	2521.6	1236.0	759.4	580.8	551.0	536.1	565.9	585.7	570.8
35°	4983.5	4353.2	2506.7	1166.5	704.8	536.1	486.4	446.7	426.9	416.9	431.8
37.5°	5291.3	4512.0	2467.0	1156.5	675.1	511.3	471.6	431.8	412.0	402.1	397.1
40°	5628.8	4680.8	2422.3	1106.9	660.2	496.4	456.7	421.9	397.1	382.2	377.2
42.5°	5847.2	4814.8	2377.6	1082.1	630.4	486.4	441.8	412.0	387.2	367.3	367.3
45°	5971.3	4973.6	2332.9	1057.3	595.6	491.4	441.8	402.1	372.3	362.3	352.4
47.5°	6025.9	5092.7	2318.0	1017.6	565.9	471.6	431.8	392.1	362.3	342.5	337.5
50°	6169.9	5345.9	2372.6	987.8	531.1	451.7	456.7	387.2	357.4	332.6	327.6
52.5°	6254.2	5549.4	2491.8	943.1	506.3	426.9	446.7	377.2	342.5	317.7	317.7
55°	6562.0	5886.9	2620.8	908.4	476.5	392.1	412.0	357.4	317.7	302.8	302.8
57.5°	6954.1	6244.3	2730.0	893.5	456.7	367.3	367.3	347.5	302.8	282.9	278.0
60°	7227.1	6537.2	2794.6	883.5	436.8	342.5	327.6	347.5	287.9	268.0	263.1
62.5°	7256.9	6368.4	2730.0	878.6	431.8	317.7	297.8	332.6	273.0	253.1	243.2
65°	7068.3	6025.9	2551.3	858.7	426.9	292.9	278.0	287.9	253.1	238.3	228.3
67.5°	6691.0	5470.0	2293.2	848.8	421.9	273.0	253.1	248.2	233.3	218.4	208.5
70°	5812.5	4745.3	1990.4	804.1	412.0	258.1	228.3	223.4	208.5	198.5	193.6
72.5°	4879.3	3881.6	1643.0	744.6	392.1	233.3	208.5	198.5	193.6	178.7	173.7
75°	3737.7	2988.1	1315.4	660.2	342.5	208.5	183.7	173.7	168.8	158.8	153.9
77.5°	2625.8	2223.7	972.9	536.1	287.9	188.6	163.8	153.9	148.9	134.0	134.0
80°	1782.0	1558.6	660.2	372.3	223.4	153.9	143.9	134.0	124.1	114.2	114.2
82.5°	1106.9	1092.0	476.5	243.2	163.8	124.1	114.2	114.2	99.3	89.3	89.3
85°	506.3	670.1	332.6	168.8	124.1	94.3	94.3	89.3	79.4	64.5	64.5
87.5°	158.8	223.4	173.7	74.5	69.5	54.6	54.6	49.6	49.6	39.7	39.7
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°	3573.9	3573.9	3573.9	3573.9	3573.9	3573.9	3573.9	3573.9	3573.9	3573.9	3573.9
2.5°	3132.1	3127.1	3127.1	3107.3	3156.9	3156.9	3186.7	3161.9	3176.8	3181.7	3221.4
5°	2486.8	2526.5	2556.3	2615.9	2650.6	2665.5	2665.5	2705.2	2690.3	2720.1	2779.7
7.5°	1821.7	1871.3	1960.7	2035.1	2094.7	2114.5	2109.6	2119.5	2134.4	2099.6	2109.6
10°	1474.2	1439.5	1469.3	1538.7	1593.3	1657.9	1608.2	1603.3	1618.2	1603.3	1633.1
12.5°	1231.0	1191.3	1166.5	1166.5	1206.2	1236.0	1221.1	1245.9	1300.5	1315.4	1350.1
15°	997.7	963.0	943.1	918.3	958.0	967.9	982.8	1017.6	1057.3	1077.1	1116.8
17.5°	799.2	799.2	799.2	779.3	794.2	809.1	814.0	858.7	863.7	883.5	898.4
20°	655.2	670.1	694.9	704.8	719.7	719.7	709.8	734.6	714.8	729.7	739.6
22.5°	590.7	610.5	620.5	625.4	645.3	650.2	625.4	630.4	635.4	620.5	625.4
25°	555.9	565.9	555.9	560.9	565.9	555.9	560.9	570.8	565.9	575.8	570.8
27.5°	541.0	531.1	526.2	521.2	521.2	511.3	516.2	516.2	526.2	531.1	531.1
30°	541.0	526.2	506.3	491.4	491.4	476.5	486.4	496.4	501.3	511.3	511.3
32.5°	555.9	526.2	491.4	476.5	461.6	451.7	461.6	476.5	496.4	501.3	506.3
35°	441.8	456.7	451.7	431.8	426.9	426.9	421.9	421.9	407.0	407.0	402.1
37.5°	397.1	392.1	402.1	407.0	412.0	397.1	397.1	377.2	372.3	377.2	377.2
40°	372.3	372.3	372.3	387.2	392.1	382.2	367.3	357.4	357.4	357.4	362.3
42.5°	362.3	352.4	347.5	357.4	372.3	362.3	347.5	342.5	342.5	347.5	347.5
45°	347.5	342.5	337.5	332.6	352.4	337.5	332.6	327.6	327.6	327.6	332.6
47.5°	332.6	327.6	317.7	317.7	322.6	317.7	312.7	312.7	312.7	322.6	322.6
50°	322.6	317.7	307.7	307.7	307.7	307.7	302.8	302.8	302.8	307.7	312.7
52.5°	307.7	302.8	297.8	292.9	292.9	292.9	292.9	292.9	292.9	297.8	302.8
55°	292.9	287.9	282.9	282.9	287.9	287.9	282.9	287.9	282.9	287.9	292.9
57.5°	278.0	273.0	268.0	273.0	278.0	273.0	273.0	273.0	273.0	273.0	278.0
60°	258.1	258.1	258.1	258.1	268.0	268.0	268.0	268.0	258.1	263.1	268.0
62.5°	248.2	243.2	243.2	248.2	253.1	253.1	258.1	253.1	248.2	253.1	253.1
65°	228.3	228.3	228.3	233.3	233.3	238.3	238.3	238.3	233.3	238.3	238.3
67.5°	213.4	213.4	213.4	213.4	223.4	223.4	223.4	223.4	218.4	218.4	223.4
70°	188.6	193.6	188.6	198.5	208.5	203.5	208.5	208.5	203.5	198.5	208.5
72.5°	173.7	173.7	173.7	173.7	188.6	188.6	188.6	193.6	188.6	183.7	188.6
75°	153.9	153.9	153.9	158.8	168.8	168.8	168.8	168.8	168.8	163.8	163.8
77.5°	134.0	139.0	134.0	139.0	148.9	143.9	148.9	153.9	148.9	143.9	143.9
80°	114.2	114.2	114.2	119.1	124.1	124.1	124.1	129.1	124.1	119.1	119.1
82.5°	89.3	89.3	94.3	94.3	99.3	99.3	99.3	104.2	99.3	94.3	94.3
85°	69.5	69.5	69.5	74.5	74.5	79.4	79.4	84.4	84.4	79.4	79.4
87.5°	44.7	39.7	44.7	44.7	49.6	49.6	44.7	39.7	44.7	39.7	34.7
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°	3573.9	3573.9	3573.9	3573.9	3573.9	3573.9	3573.9	3573.9	3573.9	3573.9
2.5°	3261.1	3350.5	3415.0	3459.7	3524.2	3648.3	3697.9	3787.3	3812.1	3827.0
5°	2804.5	2898.8	3037.8	3137.0	3251.2	3484.5	3663.2	3797.2	3856.8	3911.4
7.5°	2198.9	2323.0	2467.0	2596.0	2784.6	3072.5	3305.8	3583.8	3688.0	3742.6
10°	1717.4	1831.6	1990.4	2149.3	2412.4	2655.6	2988.1	3241.3	3385.2	3424.9
12.5°	1449.4	1583.4	1772.0	1965.6	2129.4	2407.4	2744.9	3112.2	3246.3	3271.1
15°	1231.0	1414.7	1608.2	1806.8	1995.4	2238.6	2601.0	3047.7	3246.3	3271.1
17.5°	1017.6	1181.4	1409.7	1623.1	1841.5	2174.1	2625.8	3102.3	3300.9	3375.3
20°	809.1	967.9	1146.6	1414.7	1712.5	2064.9	2680.4	3286.0	3549.0	3628.5
22.5°	670.1	739.6	913.3	1171.4	1523.9	1990.4	2735.0	3573.9	3851.8	3881.6
25°	585.7	635.4	744.6	987.8	1374.9	1940.8	2864.0	3906.4	4263.8	4263.8
27.5°	546.0	565.9	640.3	858.7	1270.7	1896.1	2993.1	4273.7	4606.3	4675.8
30°	536.1	585.7	625.4	764.4	1156.5	1772.0	3112.2	4561.6	4904.1	4909.1
32.5°	526.2	516.2	546.0	665.1	1017.6	1643.0	3211.5	4854.5	5122.5	5137.4
35°	412.0	431.8	481.5	585.7	913.3	1548.7	3261.1	5013.3	5400.5	5415.4
37.5°	387.2	412.0	451.7	541.0	843.8	1469.3	3276.0	5321.1	5693.3	5723.1
40°	377.2	397.1	426.9	501.3	789.2	1370.0	3305.8	5638.7	6125.2	6085.5
42.5°	357.4	382.2	412.0	481.5	744.6	1295.5	3310.8	5812.5	6353.5	6353.5
45°	352.4	367.3	402.1	481.5	694.9	1231.0	3231.4	5986.2	6616.6	6537.2
47.5°	332.6	362.3	392.1	466.6	635.4	1166.5	3137.0	6075.6	6651.3	6626.5
50°	327.6	357.4	407.0	441.8	600.6	1136.7	3117.2	6298.9	6720.8	6715.9
52.5°	317.7	347.5	421.9	421.9	555.9	1097.0	3211.5	6398.2	6735.7	6775.4
55°	302.8	347.5	392.1	387.2	516.2	1047.3	3315.7	6656.3	6998.8	6988.9
57.5°	292.9	337.5	372.3	352.4	471.6	1012.6	3469.6	6904.5	7316.5	7247.0
60°	278.0	337.5	332.6	327.6	436.8	982.8	3598.7	6954.1	7386.0	7430.6
62.5°	268.0	352.4	292.9	302.8	407.0	967.9	3544.1	6581.8	7291.7	7331.4
65°	258.1	302.8	268.0	278.0	397.1	938.1	3330.6	6135.1	6884.6	7058.4
67.5°	238.3	248.2	248.2	258.1	387.2	868.6	2893.8	5331.0	6264.2	6358.5
70°	218.4	223.4	223.4	238.3	377.2	789.2	2387.5	4611.3	5435.2	5613.9
72.5°	198.5	198.5	198.5	218.4	347.5	724.7	1965.6	3544.1	4517.0	4641.0
75°	173.7	173.7	173.7	193.6	312.7	660.2	1548.7	2635.7	3325.7	3504.4
77.5°	153.9	153.9	148.9	173.7	273.0	536.1	1116.8	1861.4	2342.9	2491.8
80°	129.1	124.1	124.1	139.0	213.4	387.2	719.7	1315.4	1633.1	1697.6
82.5°	104.2	99.3	94.3	104.2	153.9	243.2	446.7	918.3	1047.3	1007.6
85°	99.3	104.2	84.4	79.4	109.2	158.8	282.9	565.9	471.6	471.6
87.5°	39.7	34.7	34.7	29.8	54.6	59.6	124.1	104.2	79.4	79.4
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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