

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: P675862

Luminaire Tested: **CCW-SA-2D-750-U-SLL**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P675862
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-2D-750-U-SLL
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @800mA w/
SLL distribution lens
Light Source: (32) 5000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

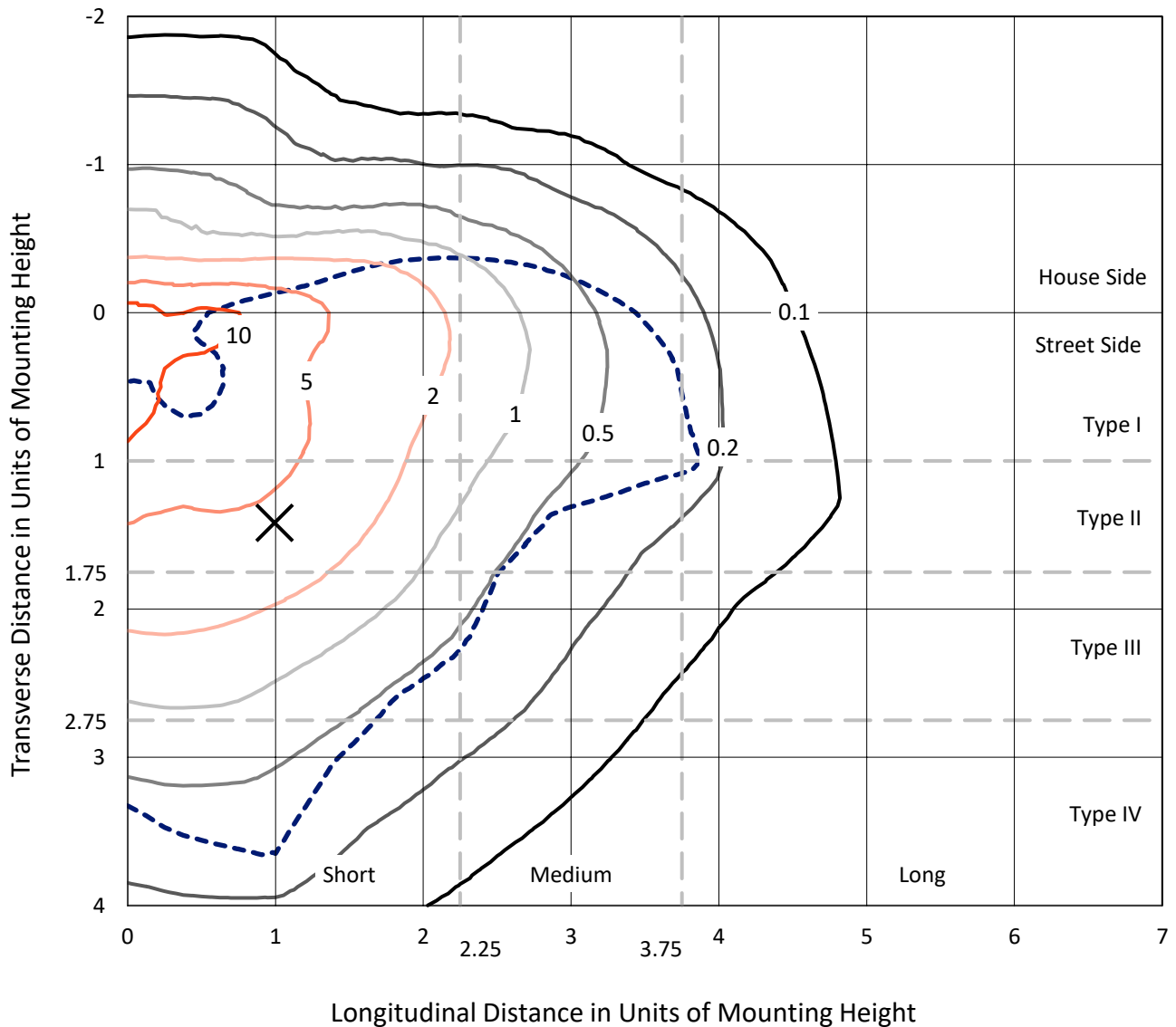
Lumens per Lamp: N/A
Luminaire Lumens: 9465.7 lumens
Efficiency: N/A
Efficacy: 117.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G3

Input Watts (W): 80.8
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

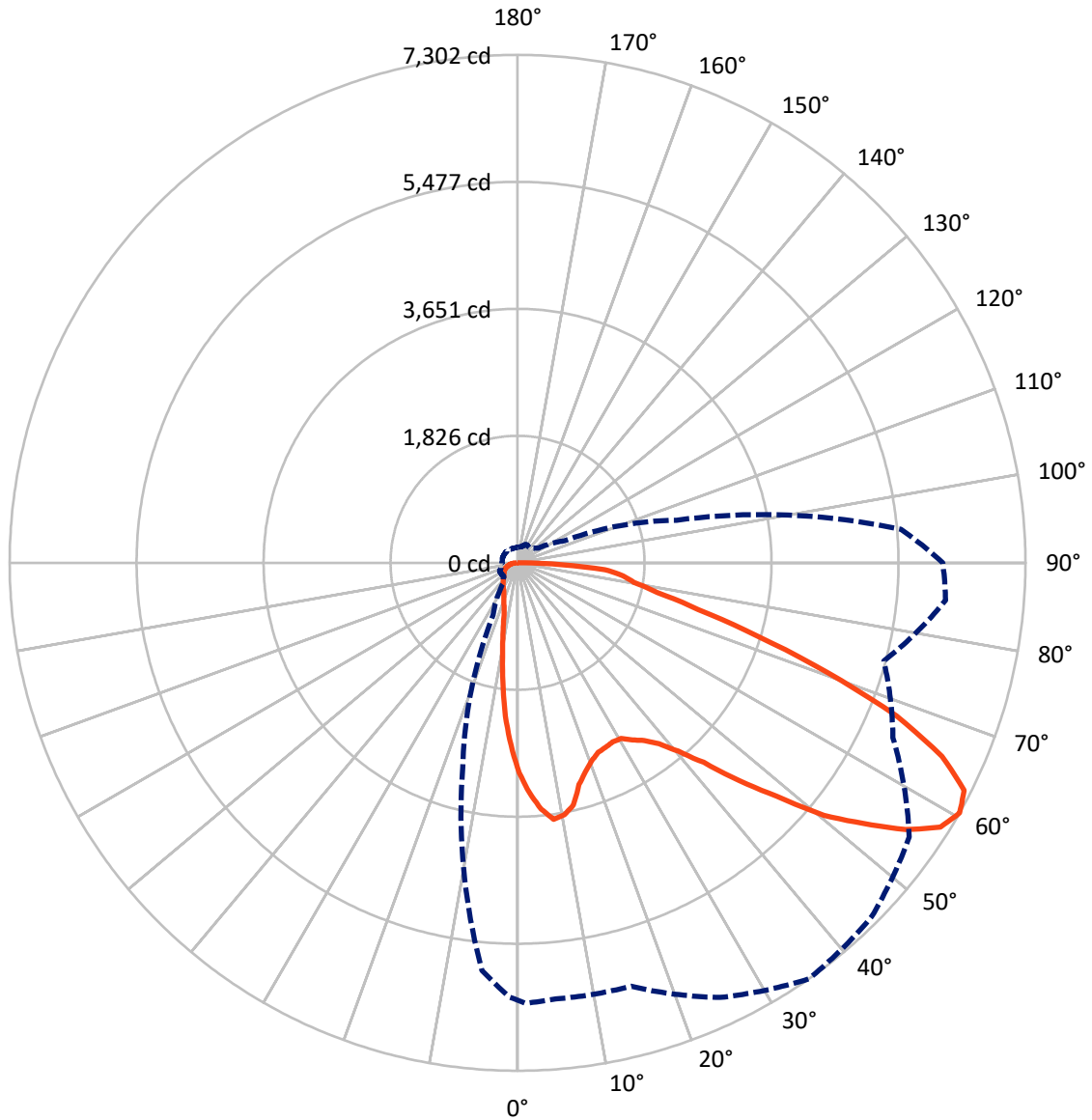
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 15.3 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	1801.4	0.0	1801.4
	% Fixture	19.0	0.0	19.0
Street Side	Lumens	7664.2	0.0	7664.2
	% Fixture	81.0	0.0	81.0
Total	Lumens	9465.7	0.0	9465.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	234.9	2.5
10°-20°	495.9	5.2
20°-30°	725.5	7.7
30°-40°	1022.2	10.8
40°-50°	1404.9	14.8
50°-60°	1914.6	20.2
60°-70°	2095.5	22.1
70°-80°	1209.8	12.8
80°-90°	362.3	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°	9465.7	100.0
0°-180°	9465.7	100.0

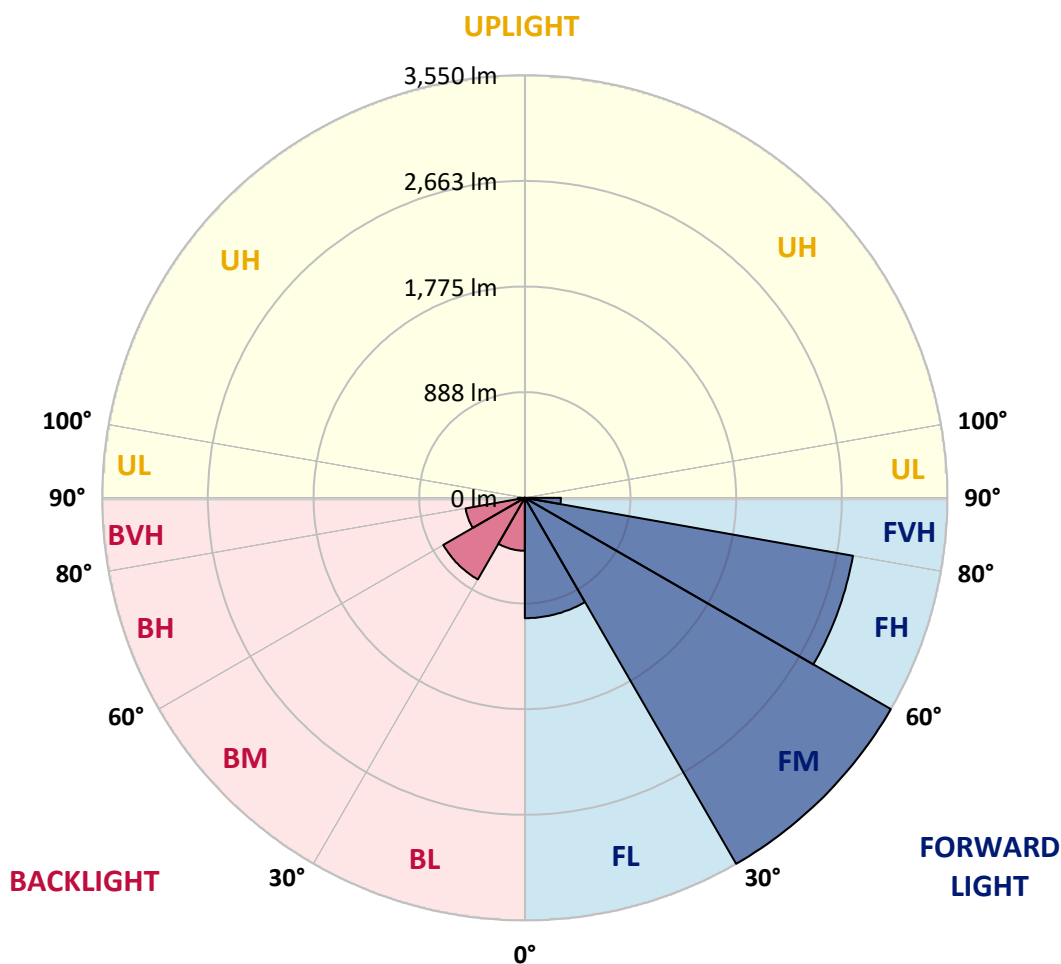


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1011.2	10.7			
FM (30°-60°)	3550.4	37.5			
FH (60°-80°)	2799.4	29.6			G2/5000
FVH (80°-90°)	303.3	3.2			G3/500
BL (0°-30°)	445.1	4.7	B1/500		
BM (30°-60°)	791.3	8.4	B1/1000		
BH (60°-80°)	506.0	5.3	B2/1000		G2/1000
BVH (80°-90°)	59.0	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°	3023.3	3023.3	3023.3	3023.3	3023.3	3023.3	3023.3	3023.3	3023.3	3023.3	3023.3
2.5°	3237.4	3224.8	3237.4	3283.6	3296.2	3317.2	3317.2	3287.8	3233.2	3208.0	3166.0
5°	3308.8	3287.8	3392.8	3489.4	3565.0	3556.6	3485.2	3426.4	3317.2	3153.4	2998.1
7.5°	3166.0	3187.0	3262.6	3514.6	3690.9	3724.5	3611.1	3493.6	3258.4	3031.7	2821.7
10°	2897.3	2926.7	3090.5	3350.8	3627.9	3682.5	3611.1	3468.4	3187.0	2905.7	2662.2
12.5°	2767.1	2834.3	2930.9	3245.8	3443.2	3573.3	3539.8	3447.4	3132.5	2800.7	2565.6
15°	2767.1	2783.9	2926.7	3191.2	3304.6	3308.8	3321.4	3338.2	3149.3	2846.9	2532.0
17.5°	2855.3	2901.5	3023.3	3187.0	3208.0	3157.6	3157.6	3229.0	3182.8	2977.1	2653.8
20°	3069.5	3052.7	3212.2	3279.4	3166.0	3040.1	3027.5	3149.3	3220.6	3115.7	2876.3
22.5°	3283.6	3359.2	3489.4	3338.2	3128.3	2960.3	2943.5	3094.7	3334.0	3355.0	3132.5
25°	3606.9	3682.5	3749.7	3565.0	3124.1	2939.3	2951.9	3069.5	3472.6	3695.1	3560.8
27.5°	3955.5	4001.6	4098.2	3812.7	3224.8	2914.1	2926.7	3103.1	3602.7	3917.7	3896.7
30°	4152.8	4203.2	4182.2	3858.9	3292.0	2930.9	2897.3	3149.3	3531.4	3917.7	4115.0
32.5°	4346.0	4316.6	4304.0	3934.5	3376.0	3035.9	2951.9	3245.8	3573.3	3980.7	4396.4
35°	4581.1	4539.1	4505.5	4081.4	3514.6	3136.7	3098.9	3371.8	3665.7	4110.8	4623.1
37.5°	4841.4	4841.4	4677.7	4190.6	3678.3	3300.4	3258.4	3552.4	3812.7	4190.6	4933.8
40°	5148.0	5160.6	4870.8	4337.6	3863.1	3560.8	3548.2	3787.5	3955.5	4308.2	5232.0
42.5°	5374.7	5383.1	5038.8	4392.2	4077.2	3921.9	3976.5	4165.4	4119.2	4413.2	5253.0
45°	5530.1	5488.1	5156.4	4547.5	4312.4	4463.5	4480.3	4534.9	4333.4	4476.1	5336.9
47.5°	5605.7	5597.3	5206.8	4728.1	4807.9	5013.6	5110.2	5034.6	4530.7	4409.0	5336.9
50°	5681.2	5609.9	5253.0	4975.8	5290.7	5706.4	5685.4	5546.9	4803.7	4492.9	5257.1
52.5°	5731.6	5668.7	5345.3	5198.4	5752.6	6222.9	6306.9	6050.8	5122.8	4648.3	5294.9
55°	5912.2	5861.8	5622.5	5500.7	6285.9	6768.8	6781.4	6424.5	5458.7	4904.4	5542.7
57.5°	6130.5	6159.9	6004.6	5929.0	6693.2	7167.7	7121.5	6701.6	5744.2	5215.2	5828.2
60°	6285.9	6332.1	6294.3	6302.7	6894.8	7302.1	7197.1	6873.8	5954.2	5450.3	6176.7
62.5°	6201.9	6294.3	6449.7	6416.1	6903.2	7205.5	7058.5	6647.0	5979.4	5756.8	6441.3
65°	5971.0	5979.4	6281.7	6466.5	6525.2	6705.8	6512.7	6172.5	5719.0	5945.8	6403.5
67.5°	5378.9	5446.1	5719.0	6080.2	5832.4	5874.4	5857.6	5366.3	5324.3	5815.6	6113.7
70°	4749.1	4795.3	5093.4	5517.5	4925.4	4728.1	4765.9	4400.6	4572.7	5412.5	5530.1
72.5°	3926.1	3955.5	4295.6	4669.3	3951.3	3598.5	3686.7	3388.6	3632.1	4736.5	4665.1
75°	2964.5	3019.1	3283.6	3724.5	2909.9	2683.2	2771.3	2649.6	2876.3	3900.9	3619.5
77.5°	2107.9	2065.9	2393.4	2914.1	2187.7	2053.3	2061.7	2082.7	2326.2	3287.8	2599.2
80°	1436.1	1448.7	1742.6	2137.3	1717.4	1696.4	1675.4	1843.4	1952.5	2603.4	1889.6
82.5°	852.4	852.4	1175.7	1520.0	1356.3	1528.4	1431.9	1583.0	1528.4	1914.7	1238.7
85°	398.9	398.9	604.7	1095.9	1049.8	1259.7	1070.7	1196.7	1129.5	1335.3	558.5
87.5°	67.2	58.8	121.8	537.5	432.5	491.3	193.2	638.2	709.6	932.2	138.6
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°	3023.3	3023.3	3023.3	3023.3	3023.3	3023.3	3023.3	3023.3	3023.3	3023.3	3023.3
2.5°	3119.9	3090.5	3031.7	2956.1	2893.1	2813.3	2788.1	2733.5	2658.0	2649.6	2616.0
5°	2939.3	2838.5	2712.6	2557.2	2452.2	2343.0	2250.7	2196.1	2133.1	2124.7	2107.9
7.5°	2741.9	2616.0	2406.0	2221.3	2040.7	1868.6	1784.6	1679.6	1608.2	1553.6	1528.4
10°	2557.2	2439.6	2179.3	1927.3	1767.8	1654.4	1553.6	1444.5	1356.3	1289.1	1263.9
12.5°	2435.4	2296.9	2015.5	1776.2	1658.6	1528.4	1415.1	1297.5	1184.1	1095.9	1049.8
15°	2380.8	2250.7	1965.1	1700.6	1528.4	1347.9	1217.7	1100.1	961.6	898.6	877.6
17.5°	2511.0	2317.8	1948.3	1612.4	1368.9	1163.1	1003.6	877.6	776.8	713.8	688.6
20°	2679.0	2439.6	1977.7	1507.4	1217.7	986.8	810.4	676.0	608.9	562.7	558.5
22.5°	2893.1	2620.2	2023.9	1431.9	1049.8	793.6	634.0	554.3	508.1	503.9	495.5
25°	3275.2	2947.7	2099.5	1331.1	915.4	655.0	541.7	495.5	474.5	461.9	470.3
27.5°	3602.7	3161.8	2154.1	1268.1	860.8	617.3	524.9	474.5	453.5	449.3	453.5
30°	3795.9	3359.2	2137.3	1150.5	751.6	587.9	558.5	541.7	499.7	466.1	466.1
32.5°	3972.3	3485.2	2133.1	1045.6	642.4	491.3	466.1	453.5	478.7	495.5	482.9
35°	4215.8	3682.5	2120.5	986.8	596.3	453.5	411.5	377.9	361.1	352.7	365.3
37.5°	4476.1	3816.9	2086.9	978.4	571.1	432.5	398.9	365.3	348.5	340.1	335.9
40°	4761.7	3959.7	2049.1	936.4	558.5	419.9	386.3	356.9	335.9	323.3	319.1
42.5°	4946.4	4073.0	2011.3	915.4	533.3	411.5	373.7	348.5	327.5	310.7	310.7
45°	5051.4	4207.4	1973.5	894.4	503.9	415.7	373.7	340.1	314.9	306.5	298.1
47.5°	5097.6	4308.2	1960.9	860.8	478.7	398.9	365.3	331.7	306.5	289.7	285.5
50°	5219.4	4522.3	2007.1	835.6	449.3	382.1	386.3	327.5	302.3	281.3	277.1
52.5°	5290.7	4694.5	2107.9	797.8	428.3	361.1	377.9	319.1	289.7	268.7	268.7
55°	5551.1	4980.0	2217.1	768.4	403.1	331.7	348.5	302.3	268.7	256.1	256.1
57.5°	5882.8	5282.3	2309.5	755.8	386.3	310.7	310.7	293.9	256.1	239.3	235.1
60°	6113.7	5530.1	2364.0	747.4	369.5	289.7	277.1	293.9	243.5	226.7	222.5
62.5°	6138.9	5387.3	2309.5	743.2	365.3	268.7	251.9	281.3	230.9	214.1	205.8
65°	5979.4	5097.6	2158.3	726.4	361.1	247.7	235.1	243.5	214.1	201.6	193.2
67.5°	5660.3	4627.3	1939.9	718.0	356.9	230.9	214.1	210.0	197.4	184.8	176.4
70°	4917.0	4014.2	1683.8	680.2	348.5	218.3	193.2	189.0	176.4	168.0	163.8
72.5°	4127.6	3283.6	1389.9	629.9	331.7	197.4	176.4	168.0	163.8	151.2	147.0
75°	3161.8	2527.8	1112.7	558.5	289.7	176.4	155.4	147.0	142.8	134.4	130.2
77.5°	2221.3	1881.2	823.0	453.5	243.5	159.6	138.6	130.2	126.0	113.4	113.4
80°	1507.4	1318.5	558.5	314.9	189.0	130.2	121.8	113.4	105.0	96.6	96.6
82.5°	936.4	923.8	403.1	205.8	138.6	105.0	96.6	96.6	84.0	75.6	75.6
85°	428.3	566.9	281.3	142.8	105.0	79.8	79.8	75.6	67.2	54.6	54.6
87.5°	134.4	189.0	147.0	63.0	58.8	46.2	46.2	42.0	42.0	33.6	33.6
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):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	3023.3	3023.3	3023.3	3023.3	3023.3	3023.3	3023.3	3023.3	3023.3	3023.3	3023.3
2.5°	2649.6	2645.4	2645.4	2628.6	2670.6	2670.6	2695.8	2674.8	2687.4	2691.6	2725.2
5°	2103.7	2137.3	2162.5	2212.9	2242.3	2254.9	2254.9	2288.5	2275.9	2301.1	2351.4
7.5°	1541.0	1583.0	1658.6	1721.6	1772.0	1788.8	1784.6	1793.0	1805.6	1776.2	1784.6
10°	1247.1	1217.7	1242.9	1301.7	1347.9	1402.5	1360.5	1356.3	1368.9	1356.3	1381.5
12.5°	1041.4	1007.8	986.8	986.8	1020.4	1045.6	1033.0	1053.9	1100.1	1112.7	1142.1
15°	844.0	814.6	797.8	776.8	810.4	818.8	831.4	860.8	894.4	911.2	944.8
17.5°	676.0	676.0	676.0	659.2	671.8	684.4	688.6	726.4	730.6	747.4	760.0
20°	554.3	566.9	587.9	596.3	608.9	608.9	600.5	621.5	604.7	617.3	625.7
22.5°	499.7	516.5	524.9	529.1	545.9	550.1	529.1	533.3	537.5	524.9	529.1
25°	470.3	478.7	470.3	474.5	478.7	470.3	474.5	482.9	478.7	487.1	482.9
27.5°	457.7	449.3	445.1	440.9	440.9	432.5	436.7	436.7	445.1	449.3	449.3
30°	457.7	445.1	428.3	415.7	415.7	403.1	411.5	419.9	424.1	432.5	432.5
32.5°	470.3	445.1	415.7	403.1	390.5	382.1	390.5	403.1	419.9	424.1	428.3
35°	373.7	386.3	382.1	365.3	361.1	361.1	356.9	356.9	344.3	344.3	340.1
37.5°	335.9	331.7	340.1	344.3	348.5	335.9	335.9	319.1	314.9	319.1	319.1
40°	314.9	314.9	314.9	327.5	331.7	323.3	310.7	302.3	302.3	302.3	306.5
42.5°	306.5	298.1	293.9	302.3	314.9	306.5	293.9	289.7	289.7	293.9	293.9
45°	293.9	289.7	285.5	281.3	298.1	285.5	281.3	277.1	277.1	277.1	281.3
47.5°	281.3	277.1	268.7	268.7	272.9	268.7	264.5	264.5	264.5	272.9	272.9
50°	272.9	268.7	260.3	260.3	260.3	260.3	256.1	256.1	256.1	260.3	264.5
52.5°	260.3	256.1	251.9	247.7	247.7	247.7	247.7	247.7	247.7	251.9	256.1
55°	247.7	243.5	239.3	239.3	243.5	243.5	239.3	243.5	239.3	243.5	247.7
57.5°	235.1	230.9	226.7	230.9	235.1	230.9	230.9	230.9	230.9	230.9	235.1
60°	218.3	218.3	218.3	218.3	226.7	226.7	226.7	226.7	218.3	222.5	226.7
62.5°	210.0	205.8	205.8	210.0	214.1	214.1	218.3	214.1	210.0	214.1	214.1
65°	193.2	193.2	193.2	197.4	197.4	201.6	201.6	201.6	197.4	201.6	201.6
67.5°	180.6	180.6	180.6	180.6	189.0	189.0	189.0	189.0	184.8	184.8	189.0
70°	159.6	163.8	159.6	168.0	176.4	172.2	176.4	176.4	172.2	168.0	176.4
72.5°	147.0	147.0	147.0	147.0	159.6	159.6	159.6	163.8	159.6	155.4	159.6
75°	130.2	130.2	130.2	134.4	142.8	142.8	142.8	142.8	142.8	138.6	138.6
77.5°	113.4	117.6	113.4	117.6	126.0	121.8	126.0	130.2	126.0	121.8	121.8
80°	96.6	96.6	96.6	100.8	105.0	105.0	105.0	109.2	105.0	100.8	100.8
82.5°	75.6	75.6	79.8	79.8	84.0	84.0	84.0	88.2	84.0	79.8	79.8
85°	58.8	58.8	58.8	63.0	63.0	67.2	67.2	71.4	71.4	67.2	67.2
87.5°	37.8	33.6	37.8	37.8	42.0	42.0	37.8	33.6	37.8	33.6	29.4
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):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	3023.3	3023.3	3023.3	3023.3	3023.3	3023.3	3023.3	3023.3	3023.3	3023.3
2.5°	2758.7	2834.3	2888.9	2926.7	2981.3	3086.3	3128.3	3203.8	3224.8	3237.4
5°	2372.4	2452.2	2569.8	2653.8	2750.3	2947.7	3098.9	3212.2	3262.6	3308.8
7.5°	1860.2	1965.1	2086.9	2196.1	2355.6	2599.2	2796.5	3031.7	3119.9	3166.0
10°	1452.9	1549.4	1683.8	1818.2	2040.7	2246.5	2527.8	2741.9	2863.7	2897.3
12.5°	1226.1	1339.5	1499.0	1662.8	1801.4	2036.5	2322.0	2632.8	2746.1	2767.1
15°	1041.4	1196.7	1360.5	1528.4	1688.0	1893.7	2200.3	2578.2	2746.1	2767.1
17.5°	860.8	999.4	1192.5	1373.1	1557.8	1839.2	2221.3	2624.4	2792.3	2855.3
20°	684.4	818.8	970.0	1196.7	1448.7	1746.8	2267.5	2779.7	3002.3	3069.5
22.5°	566.9	625.7	772.6	991.0	1289.1	1683.8	2313.6	3023.3	3258.4	3283.6
25°	495.5	537.5	629.9	835.6	1163.1	1641.8	2422.8	3304.6	3606.9	3606.9
27.5°	461.9	478.7	541.7	726.4	1074.9	1604.0	2532.0	3615.3	3896.7	3955.5
30°	453.5	495.5	529.1	646.6	978.4	1499.0	2632.8	3858.9	4148.6	4152.8
32.5°	445.1	436.7	461.9	562.7	860.8	1389.9	2716.8	4106.6	4333.4	4346.0
35°	348.5	365.3	407.3	495.5	772.6	1310.1	2758.7	4241.0	4568.5	4581.1
37.5°	327.5	348.5	382.1	457.7	713.8	1242.9	2771.3	4501.3	4816.3	4841.4
40°	319.1	335.9	361.1	424.1	667.6	1158.9	2796.5	4770.1	5181.6	5148.0
42.5°	302.3	323.3	348.5	407.3	629.9	1095.9	2800.7	4917.0	5374.7	5374.7
45°	298.1	310.7	340.1	407.3	587.9	1041.4	2733.5	5064.0	5597.3	5530.1
47.5°	281.3	306.5	331.7	394.7	537.5	986.8	2653.8	5139.6	5626.7	5605.7
50°	277.1	302.3	344.3	373.7	508.1	961.6	2637.0	5328.5	5685.4	5681.2
52.5°	268.7	293.9	356.9	356.9	470.3	928.0	2716.8	5412.5	5698.0	5731.6
55°	256.1	293.9	331.7	327.5	436.7	886.0	2804.9	5630.9	5920.6	5912.2
57.5°	247.7	285.5	314.9	298.1	398.9	856.6	2935.1	5840.8	6189.3	6130.5
60°	235.1	285.5	281.3	277.1	369.5	831.4	3044.3	5882.8	6248.1	6285.9
62.5°	226.7	298.1	247.7	256.1	344.3	818.8	2998.1	5567.9	6168.3	6201.9
65°	218.3	256.1	226.7	235.1	335.9	793.6	2817.5	5190.0	5824.0	5971.0
67.5°	201.6	210.0	210.0	218.3	327.5	734.8	2448.0	4509.7	5299.1	5378.9
70°	184.8	189.0	189.0	201.6	319.1	667.6	2019.7	3900.9	4597.9	4749.1
72.5°	168.0	168.0	168.0	184.8	293.9	613.1	1662.8	2998.1	3821.1	3926.1
75°	147.0	147.0	147.0	163.8	264.5	558.5	1310.1	2229.7	2813.3	2964.5
77.5°	130.2	130.2	126.0	147.0	230.9	453.5	944.8	1574.6	1981.9	2107.9
80°	109.2	105.0	105.0	117.6	180.6	327.5	608.9	1112.7	1381.5	1436.1
82.5°	88.2	84.0	79.8	88.2	130.2	205.8	377.9	776.8	886.0	852.4
85°	84.0	88.2	71.4	67.2	92.4	134.4	239.3	478.7	398.9	398.9
87.5°	33.6	29.4	29.4	25.2	46.2	50.4	105.0	88.2	67.2	67.2
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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