

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: P675861

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

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P675861
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-2C-750-U-SLL
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @615mA w/
SLL distribution lens
Light Source: (32) 5000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

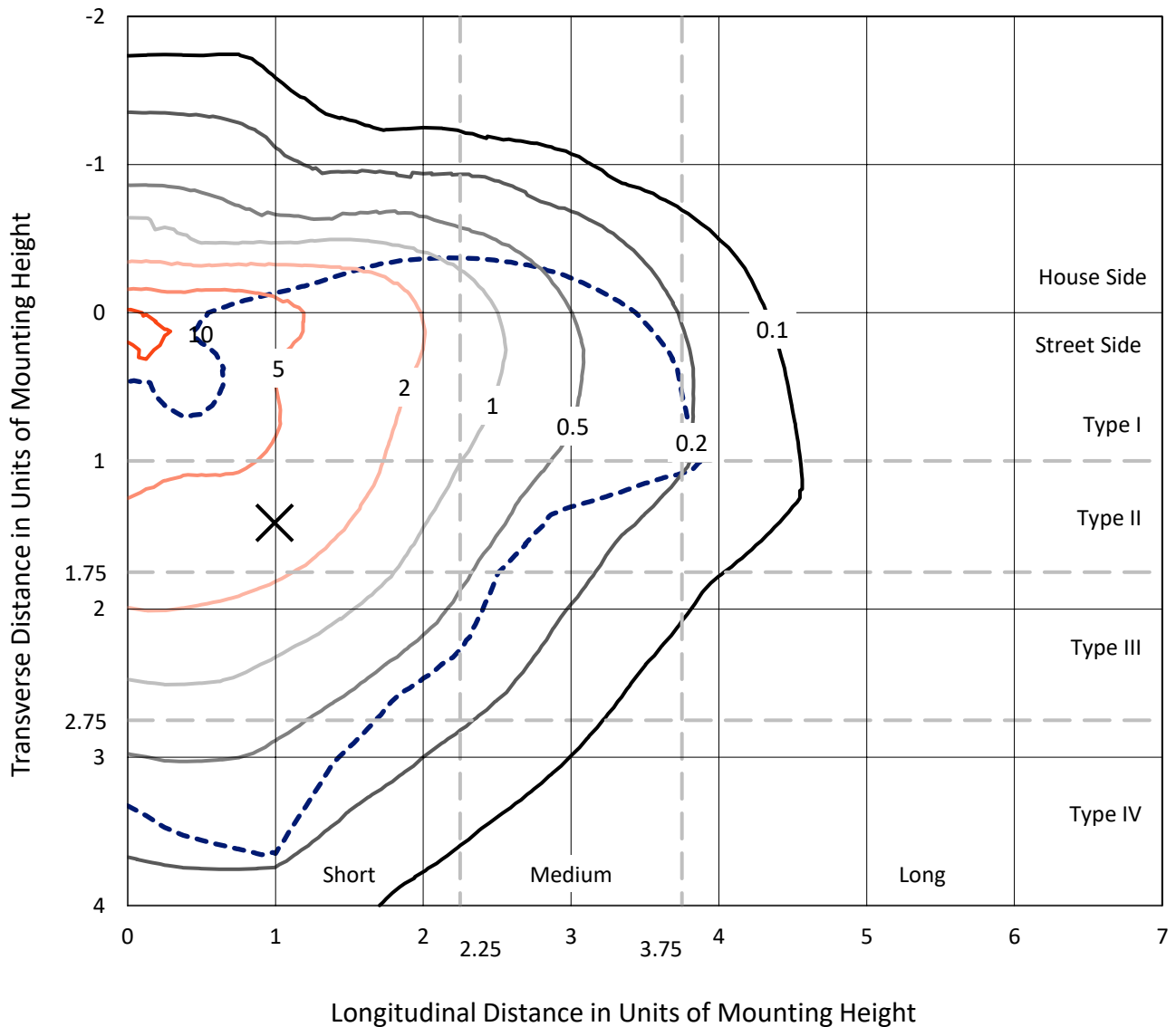
Lumens per Lamp: N/A
Luminaire Lumens: 7673.8 lumens
Efficiency: N/A
Efficacy: 123.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G3

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

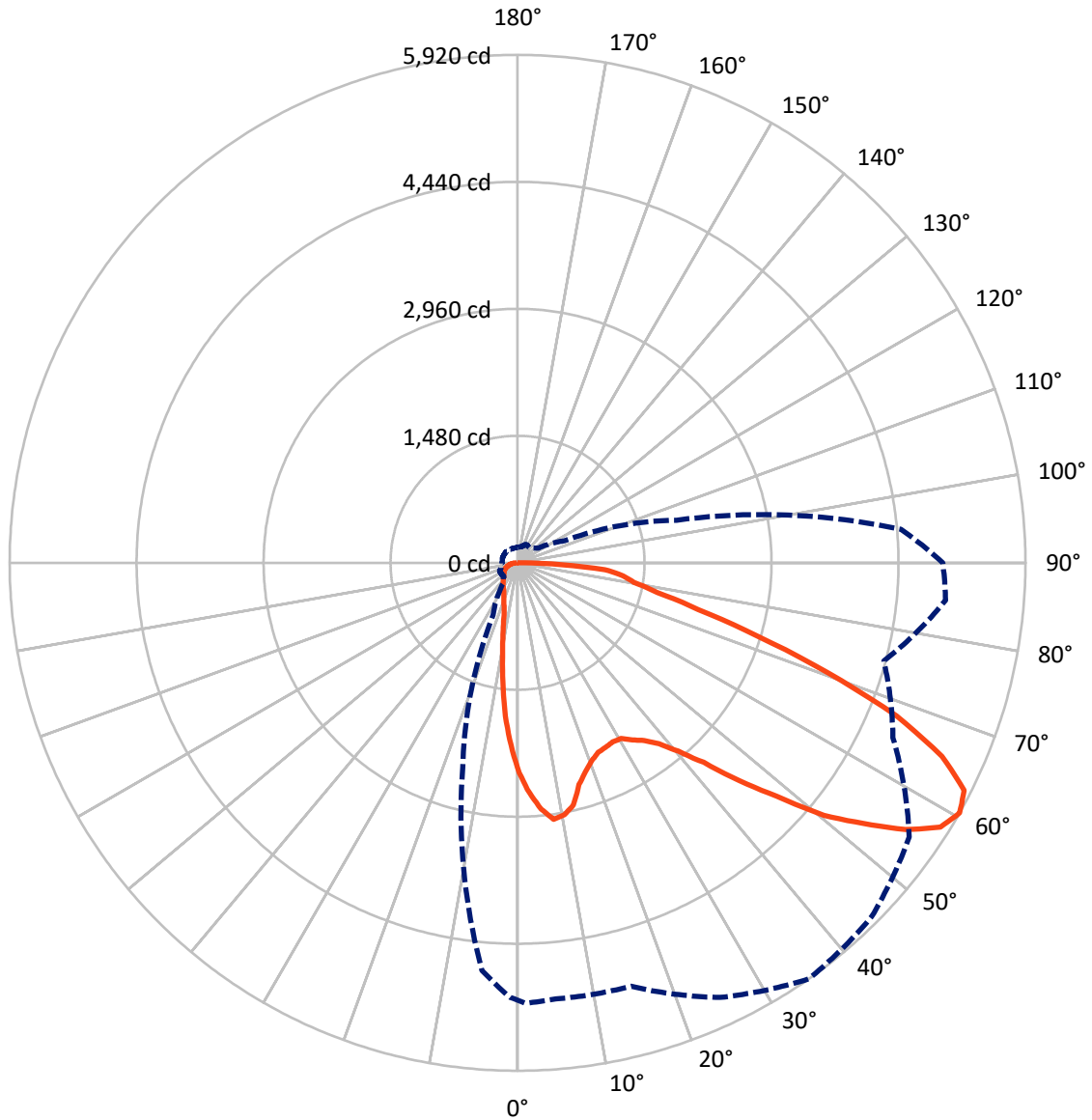
✕ Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 12.4 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	1460.4	0.0	1460.4
	% Fixture	19.0	0.0	19.0
Street Side	Lumens	6213.4	0.0	6213.4
	% Fixture	81.0	0.0	81.0
Total	Lumens	7673.8	0.0	7673.8
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	190.4	2.5
10°-20°	402.0	5.2
20°-30°	588.2	7.7
30°-40°	828.7	10.8
40°-50°	1138.9	14.8
50°-60°	1552.2	20.2
60°-70°	1698.8	22.1
70°-80°	980.8	12.8
80°-90°	293.7	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°	7673.8	100.0
0°-180°	7673.8	100.0

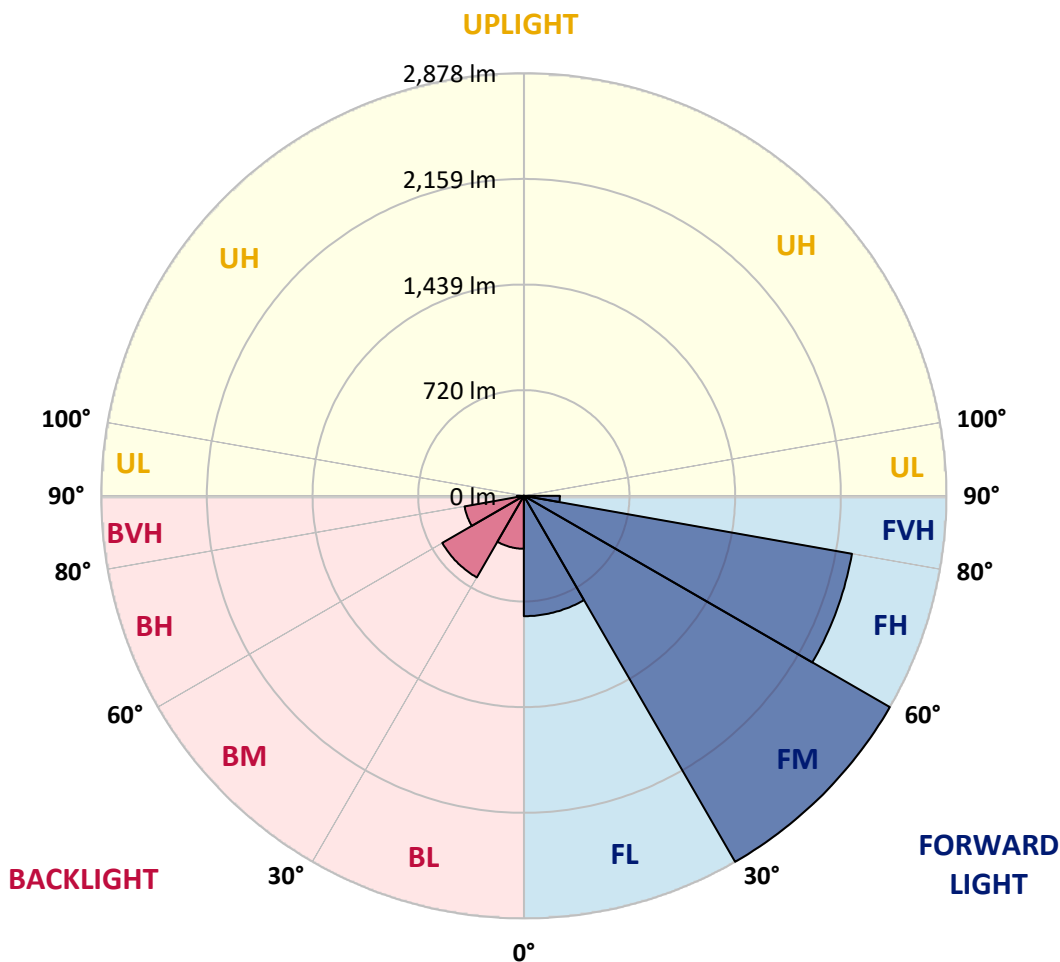


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	819.8	10.7			
FM (30°-60°)	2878.3	37.5			
FH (60°-80°)	2269.4	29.6			G2/5000
FVH (80°-90°)	245.8	3.2			G3/500
BL (0°-30°)	360.8	4.7	B1/500		
BM (30°-60°)	641.5	8.4	B1/1000		
BH (60°-80°)	410.2	5.3	B1/500		G1/500
BVH (80°-90°)	47.9	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-G3
 Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	2451.0	2451.0	2451.0	2451.0	2451.0	2451.0	2451.0	2451.0	2451.0	2451.0	2451.0
2.5°	2624.6	2614.4	2624.6	2662.0	2672.2	2689.3	2689.3	2665.4	2621.2	2600.7	2566.7
5°	2682.4	2665.4	2750.5	2828.8	2890.1	2883.3	2825.4	2777.8	2689.3	2556.5	2430.5
7.5°	2566.7	2583.7	2645.0	2849.2	2992.2	3019.5	2927.5	2832.2	2641.6	2457.8	2287.6
10°	2348.8	2372.7	2505.4	2716.5	2941.2	2985.4	2927.5	2811.8	2583.7	2355.6	2158.2
12.5°	2243.3	2297.8	2376.1	2631.4	2791.4	2896.9	2869.7	2794.8	2539.5	2270.5	2079.9
15°	2243.3	2256.9	2372.7	2587.1	2679.0	2682.4	2692.7	2706.3	2553.1	2308.0	2052.7
17.5°	2314.8	2352.2	2451.0	2583.7	2600.7	2559.9	2559.9	2617.8	2580.3	2413.5	2151.4
20°	2488.4	2474.8	2604.1	2658.6	2566.7	2464.6	2454.4	2553.1	2611.0	2525.9	2331.8
22.5°	2662.0	2723.3	2828.8	2706.3	2536.1	2399.9	2386.3	2508.8	2702.9	2719.9	2539.5
25°	2924.1	2985.4	3039.9	2890.1	2532.7	2382.9	2393.1	2488.4	2815.2	2995.6	2886.7
27.5°	3206.7	3244.1	3322.4	3090.9	2614.4	2362.5	2372.7	2515.6	2920.7	3176.0	3159.0
30°	3366.7	3407.5	3390.5	3128.4	2668.8	2376.1	2348.8	2553.1	2862.9	3176.0	3336.0
32.5°	3523.3	3499.4	3489.2	3189.7	2736.9	2461.2	2393.1	2631.4	2896.9	3227.1	3564.1
35°	3713.9	3679.8	3652.6	3308.8	2849.2	2542.9	2512.2	2733.5	2971.8	3332.6	3747.9
37.5°	3924.9	3924.9	3792.2	3397.3	2982.0	2675.6	2641.6	2879.9	3090.9	3397.3	3999.8
40°	4173.4	4183.7	3948.8	3516.5	3131.8	2886.7	2876.5	3070.5	3206.7	3492.6	4241.5
42.5°	4357.3	4364.1	4084.9	3560.7	3305.4	3179.4	3223.7	3376.9	3339.4	3577.7	4258.5
45°	4483.2	4449.2	4180.3	3686.7	3496.0	3618.6	3632.2	3676.4	3513.0	3628.8	4326.6
47.5°	4544.5	4537.7	4221.1	3833.0	3897.7	4064.5	4142.8	4081.5	3673.0	3574.3	4326.6
50°	4605.8	4547.9	4258.5	4033.9	4289.2	4626.2	4609.2	4496.8	3894.3	3642.4	4262.0
52.5°	4646.6	4595.6	4333.4	4214.3	4663.6	5044.9	5113.0	4905.3	4153.0	3768.4	4292.6
55°	4793.0	4752.1	4558.1	4459.4	5096.0	5487.4	5497.6	5208.3	4425.4	3976.0	4493.4
57.5°	4970.0	4993.8	4867.9	4806.6	5426.2	5810.8	5773.4	5433.0	4656.8	4227.9	4724.9
60°	5096.0	5133.4	5102.8	5109.6	5589.6	5919.8	5834.7	5572.5	4827.0	4418.5	5007.5
62.5°	5027.9	5102.8	5228.7	5201.5	5596.4	5841.5	5722.3	5388.7	4847.5	4667.0	5221.9
65°	4840.7	4847.5	5092.6	5242.3	5290.0	5436.4	5279.8	5004.1	4636.4	4820.2	5191.3
67.5°	4360.7	4415.1	4636.4	4929.2	4728.3	4762.4	4748.7	4350.5	4316.4	4714.7	4956.4
70°	3850.1	3887.5	4129.2	4473.0	3993.0	3833.0	3863.7	3567.5	3707.1	4387.9	4483.2
72.5°	3182.8	3206.7	3482.4	3785.4	3203.3	2917.3	2988.8	2747.1	2944.6	3839.8	3782.0
75°	2403.3	2447.6	2662.0	3019.5	2359.1	2175.2	2246.7	2148.0	2331.8	3162.4	2934.3
77.5°	1708.9	1674.8	1940.3	2362.5	1773.5	1664.6	1671.4	1688.4	1885.9	2665.4	2107.1
80°	1164.2	1174.4	1412.7	1732.7	1392.3	1375.3	1358.2	1494.4	1582.9	2110.6	1531.9
82.5°	691.0	691.0	953.2	1232.3	1099.5	1239.1	1160.8	1283.4	1239.1	1552.3	1004.2
85°	323.4	323.4	490.2	888.5	851.0	1021.2	868.0	970.2	915.7	1082.5	452.7
87.5°	54.5	47.7	98.7	435.7	350.6	398.3	156.6	517.4	575.3	755.7	112.3
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°	2451.0	2451.0	2451.0	2451.0	2451.0	2451.0	2451.0	2451.0	2451.0	2451.0	2451.0
2.5°	2529.3	2505.4	2457.8	2396.5	2345.4	2280.8	2260.3	2216.1	2154.8	2148.0	2120.8
5°	2382.9	2301.2	2199.1	2073.1	1988.0	1899.5	1824.6	1780.4	1729.3	1722.5	1708.9
7.5°	2222.9	2120.8	1950.6	1800.8	1654.4	1514.8	1446.7	1361.6	1303.8	1259.5	1239.1
10°	2073.1	1977.8	1766.7	1562.5	1433.1	1341.2	1259.5	1171.0	1099.5	1045.1	1024.6
12.5°	1974.4	1862.1	1634.0	1439.9	1344.6	1239.1	1147.2	1051.9	960.0	888.5	851.0
15°	1930.1	1824.6	1593.1	1378.7	1239.1	1092.7	987.2	891.9	779.5	728.5	711.5
17.5°	2035.7	1879.1	1579.5	1307.2	1109.7	942.9	813.6	711.5	629.8	578.7	558.3
20°	2171.8	1977.8	1603.3	1222.1	987.2	800.0	657.0	548.1	493.6	456.2	452.7
22.5°	2345.4	2124.2	1640.8	1160.8	851.0	643.4	514.0	449.3	411.9	408.5	401.7
25°	2655.2	2389.7	1702.1	1079.1	742.1	531.0	439.1	401.7	384.7	374.5	381.3
27.5°	2920.7	2563.3	1746.3	1028.0	697.8	500.4	425.5	384.7	367.6	364.2	367.6
30°	3077.3	2723.3	1732.7	932.7	609.3	476.6	452.7	439.1	405.1	377.9	377.9
32.5°	3220.3	2825.4	1729.3	847.6	520.8	398.3	377.9	367.6	388.1	401.7	391.5
35°	3417.7	2985.4	1719.1	800.0	483.4	367.6	333.6	306.4	292.8	285.9	296.2
37.5°	3628.8	3094.3	1691.8	793.2	463.0	350.6	323.4	296.2	282.5	275.7	272.3
40°	3860.3	3210.1	1661.2	759.1	452.7	340.4	313.2	289.3	272.3	262.1	258.7
42.5°	4010.0	3302.0	1630.6	742.1	432.3	333.6	303.0	282.5	265.5	251.9	251.9
45°	4095.2	3410.9	1599.9	725.1	408.5	337.0	303.0	275.7	255.3	248.5	241.7
47.5°	4132.6	3492.6	1589.7	697.8	388.1	323.4	296.2	268.9	248.5	234.9	231.5
50°	4231.3	3666.2	1627.2	677.4	364.2	309.8	313.2	265.5	245.1	228.1	224.7
52.5°	4289.2	3805.8	1708.9	646.8	347.2	292.8	306.4	258.7	234.9	217.9	217.9
55°	4500.2	4037.3	1797.4	623.0	326.8	268.9	282.5	245.1	217.9	207.7	207.7
57.5°	4769.2	4282.4	1872.3	612.7	313.2	251.9	251.9	238.3	207.7	194.0	190.6
60°	4956.4	4483.2	1916.5	605.9	299.6	234.9	224.7	238.3	197.4	183.8	180.4
62.5°	4976.8	4367.5	1872.3	602.5	296.2	217.9	204.2	228.1	187.2	173.6	166.8
65°	4847.5	4132.6	1749.7	588.9	292.8	200.8	190.6	197.4	173.6	163.4	156.6
67.5°	4588.7	3751.3	1572.7	582.1	289.3	187.2	173.6	170.2	160.0	149.8	143.0
70°	3986.2	3254.3	1365.1	551.5	282.5	177.0	156.6	153.2	143.0	136.2	132.8
72.5°	3346.2	2662.0	1126.8	510.6	268.9	160.0	143.0	136.2	132.8	122.5	119.1
75°	2563.3	2049.3	902.1	452.7	234.9	143.0	126.0	119.1	115.7	108.9	105.5
77.5°	1800.8	1525.0	667.2	367.6	197.4	129.4	112.3	105.5	102.1	91.9	91.9
80°	1222.1	1068.9	452.7	255.3	153.2	105.5	98.7	91.9	85.1	78.3	78.3
82.5°	759.1	748.9	326.8	166.8	112.3	85.1	78.3	78.3	68.1	61.3	61.3
85°	347.2	459.6	228.1	115.7	85.1	64.7	64.7	61.3	54.5	44.3	44.3
87.5°	108.9	153.2	119.1	51.1	47.7	37.4	37.4	34.0	34.0	27.2	27.2
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):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	2451.0	2451.0	2451.0	2451.0	2451.0	2451.0	2451.0	2451.0	2451.0	2451.0	2451.0
2.5°	2148.0	2144.6	2144.6	2131.0	2165.0	2165.0	2185.4	2168.4	2178.6	2182.0	2209.3
5°	1705.5	1732.7	1753.1	1794.0	1817.8	1828.0	1828.0	1855.2	1845.0	1865.5	1906.3
7.5°	1249.3	1283.4	1344.6	1395.7	1436.5	1450.2	1446.7	1453.6	1463.8	1439.9	1446.7
10°	1011.0	987.2	1007.6	1055.3	1092.7	1137.0	1102.9	1099.5	1109.7	1099.5	1120.0
12.5°	844.2	817.0	800.0	800.0	827.2	847.6	837.4	854.4	891.9	902.1	925.9
15°	684.2	660.4	646.8	629.8	657.0	663.8	674.0	697.8	725.1	738.7	765.9
17.5°	548.1	548.1	548.1	534.4	544.7	554.9	558.3	588.9	592.3	605.9	616.1
20°	449.3	459.6	476.6	483.4	493.6	493.6	486.8	503.8	490.2	500.4	507.2
22.5°	405.1	418.7	425.5	428.9	442.5	445.9	428.9	432.3	435.7	425.5	428.9
25°	381.3	388.1	381.3	384.7	388.1	381.3	384.7	391.5	388.1	394.9	391.5
27.5°	371.0	364.2	360.8	357.4	357.4	350.6	354.0	354.0	360.8	364.2	364.2
30°	371.0	360.8	347.2	337.0	337.0	326.8	333.6	340.4	343.8	350.6	350.6
32.5°	381.3	360.8	337.0	326.8	316.6	309.8	316.6	326.8	340.4	343.8	347.2
35°	303.0	313.2	309.8	296.2	292.8	292.8	289.3	289.3	279.1	279.1	275.7
37.5°	272.3	268.9	275.7	279.1	282.5	272.3	272.3	258.7	255.3	258.7	258.7
40°	255.3	255.3	255.3	265.5	268.9	262.1	251.9	245.1	245.1	245.1	248.5
42.5°	248.5	241.7	238.3	245.1	255.3	248.5	238.3	234.9	234.9	238.3	238.3
45°	238.3	234.9	231.5	228.1	241.7	231.5	228.1	224.7	224.7	224.7	228.1
47.5°	228.1	224.7	217.9	217.9	221.3	217.9	214.5	214.5	214.5	221.3	221.3
50°	221.3	217.9	211.1	211.1	211.1	211.1	207.7	207.7	207.7	211.1	214.5
52.5°	211.1	207.7	204.2	200.8	200.8	200.8	200.8	200.8	200.8	204.2	207.7
55°	200.8	197.4	194.0	194.0	197.4	197.4	194.0	197.4	194.0	197.4	200.8
57.5°	190.6	187.2	183.8	187.2	190.6	187.2	187.2	187.2	187.2	187.2	190.6
60°	177.0	177.0	177.0	177.0	183.8	183.8	183.8	183.8	177.0	180.4	183.8
62.5°	170.2	166.8	166.8	170.2	173.6	173.6	177.0	173.6	170.2	173.6	173.6
65°	156.6	156.6	156.6	160.0	160.0	163.4	163.4	163.4	160.0	163.4	163.4
67.5°	146.4	146.4	146.4	146.4	153.2	153.2	153.2	153.2	149.8	149.8	153.2
70°	129.4	132.8	129.4	136.2	143.0	139.6	143.0	143.0	139.6	136.2	143.0
72.5°	119.1	119.1	119.1	119.1	129.4	129.4	129.4	132.8	129.4	126.0	129.4
75°	105.5	105.5	105.5	108.9	115.7	115.7	115.7	115.7	115.7	112.3	112.3
77.5°	91.9	95.3	91.9	95.3	102.1	98.7	102.1	105.5	102.1	98.7	98.7
80°	78.3	78.3	78.3	81.7	85.1	85.1	85.1	88.5	85.1	81.7	81.7
82.5°	61.3	61.3	64.7	64.7	68.1	68.1	68.1	71.5	68.1	64.7	64.7
85°	47.7	47.7	47.7	51.1	51.1	54.5	54.5	57.9	57.9	54.5	54.5
87.5°	30.6	27.2	30.6	30.6	34.0	34.0	30.6	27.2	30.6	27.2	23.8
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):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	2451.0	2451.0	2451.0	2451.0	2451.0	2451.0	2451.0	2451.0	2451.0	2451.0
2.5°	2236.5	2297.8	2342.0	2372.7	2416.9	2502.0	2536.1	2597.3	2614.4	2624.6
5°	1923.3	1988.0	2083.3	2151.4	2229.7	2389.7	2512.2	2604.1	2645.0	2682.4
7.5°	1508.0	1593.1	1691.8	1780.4	1909.7	2107.1	2267.1	2457.8	2529.3	2566.7
10°	1177.8	1256.1	1365.1	1474.0	1654.4	1821.2	2049.3	2222.9	2321.6	2348.8
12.5°	994.0	1085.9	1215.3	1348.0	1460.4	1651.0	1882.5	2134.4	2226.3	2243.3
15°	844.2	970.2	1102.9	1239.1	1368.5	1535.3	1783.8	2090.1	2226.3	2243.3
17.5°	697.8	810.2	966.8	1113.1	1262.9	1491.0	1800.8	2127.6	2263.7	2314.8
20°	554.9	663.8	786.4	970.2	1174.4	1416.1	1838.2	2253.5	2433.9	2488.4
22.5°	459.6	507.2	626.4	803.4	1045.1	1365.1	1875.7	2451.0	2641.6	2662.0
25°	401.7	435.7	510.6	677.4	942.9	1331.0	1964.2	2679.0	2924.1	2924.1
27.5°	374.5	388.1	439.1	588.9	871.5	1300.4	2052.7	2930.9	3159.0	3206.7
30°	367.6	401.7	428.9	524.2	793.2	1215.3	2134.4	3128.4	3363.3	3366.7
32.5°	360.8	354.0	374.5	456.2	697.8	1126.8	2202.5	3329.2	3513.0	3523.3
35°	282.5	296.2	330.2	401.7	626.4	1062.1	2236.5	3438.2	3703.7	3713.9
37.5°	265.5	282.5	309.8	371.0	578.7	1007.6	2246.7	3649.2	3904.5	3924.9
40°	258.7	272.3	292.8	343.8	541.3	939.5	2267.1	3867.1	4200.7	4173.4
42.5°	245.1	262.1	282.5	330.2	510.6	888.5	2270.5	3986.2	4357.3	4357.3
45°	241.7	251.9	275.7	330.2	476.6	844.2	2216.1	4105.4	4537.7	4483.2
47.5°	228.1	248.5	268.9	320.0	435.7	800.0	2151.4	4166.6	4561.5	4544.5
50°	224.7	245.1	279.1	303.0	411.9	779.5	2137.8	4319.8	4609.2	4605.8
52.5°	217.9	238.3	289.3	289.3	381.3	752.3	2202.5	4387.9	4619.4	4646.6
55°	207.7	238.3	268.9	265.5	354.0	718.3	2273.9	4564.9	4799.8	4793.0
57.5°	200.8	231.5	255.3	241.7	323.4	694.4	2379.5	4735.1	5017.7	4970.0
60°	190.6	231.5	228.1	224.7	299.6	674.0	2468.0	4769.2	5065.3	5096.0
62.5°	183.8	241.7	200.8	207.7	279.1	663.8	2430.5	4513.9	5000.6	5027.9
65°	177.0	207.7	183.8	190.6	272.3	643.4	2284.2	4207.5	4721.5	4840.7
67.5°	163.4	170.2	170.2	177.0	265.5	595.7	1984.6	3656.0	4296.0	4360.7
70°	149.8	153.2	153.2	163.4	258.7	541.3	1637.4	3162.4	3727.5	3850.1
72.5°	136.2	136.2	136.2	149.8	238.3	497.0	1348.0	2430.5	3097.7	3182.8
75°	119.1	119.1	119.1	132.8	214.5	452.7	1062.1	1807.6	2280.8	2403.3
77.5°	105.5	105.5	102.1	119.1	187.2	367.6	765.9	1276.5	1606.7	1708.9
80°	88.5	85.1	85.1	95.3	146.4	265.5	493.6	902.1	1120.0	1164.2
82.5°	71.5	68.1	64.7	71.5	105.5	166.8	306.4	629.8	718.3	691.0
85°	68.1	71.5	57.9	54.5	74.9	108.9	194.0	388.1	323.4	323.4
87.5°	27.2	23.8	23.8	20.4	37.4	40.8	85.1	71.5	54.5	54.5
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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