

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: P676088

Luminaire Tested: **CCW-SA-1C-722-U-T1**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P676088
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-1C-722-U-T1
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @615mA w/
T1 distribution lens
Light Source: (16) 2200K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

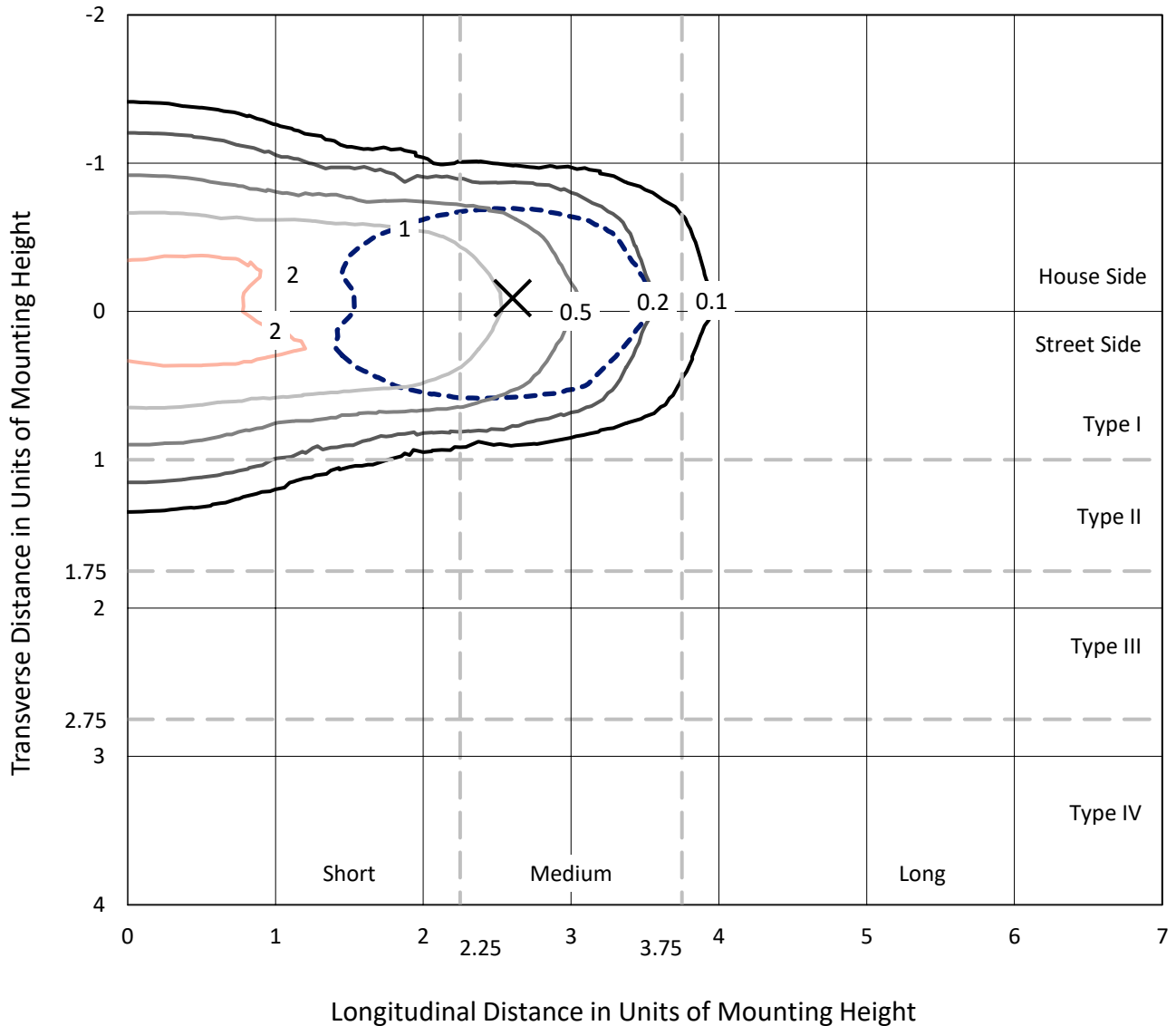
Lumens per Lamp: N/A
Luminaire Lumens: 3243 lumens
Efficiency: N/A
Efficacy: 101.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type I - Short
BUG Rating: B2 - U0 - G2

Input Watts (W): 32
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

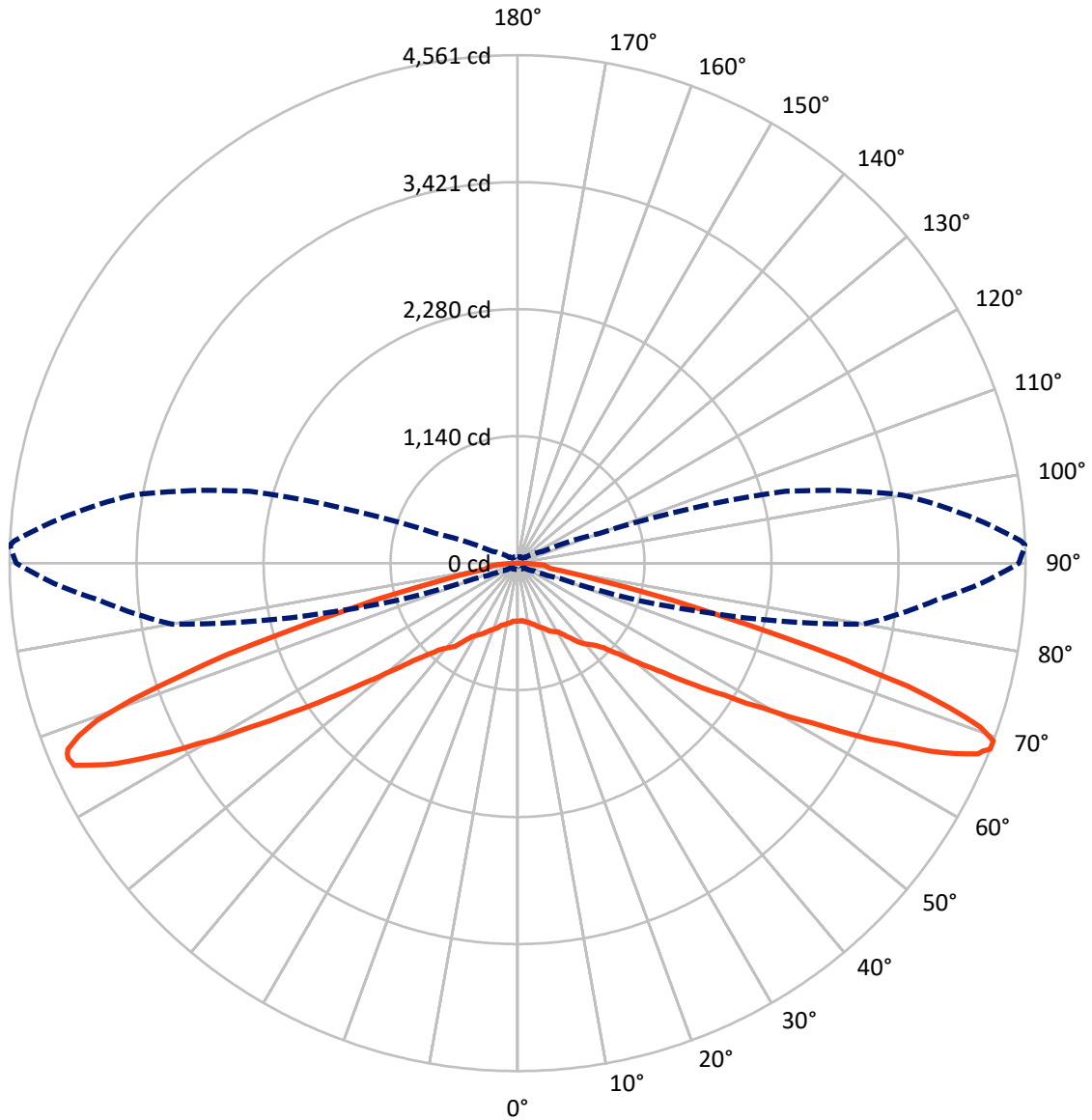
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 2.5 fc
 Type I - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 92-Deg Lateral - - - Horizontal Cone Through 69-Deg Vertical

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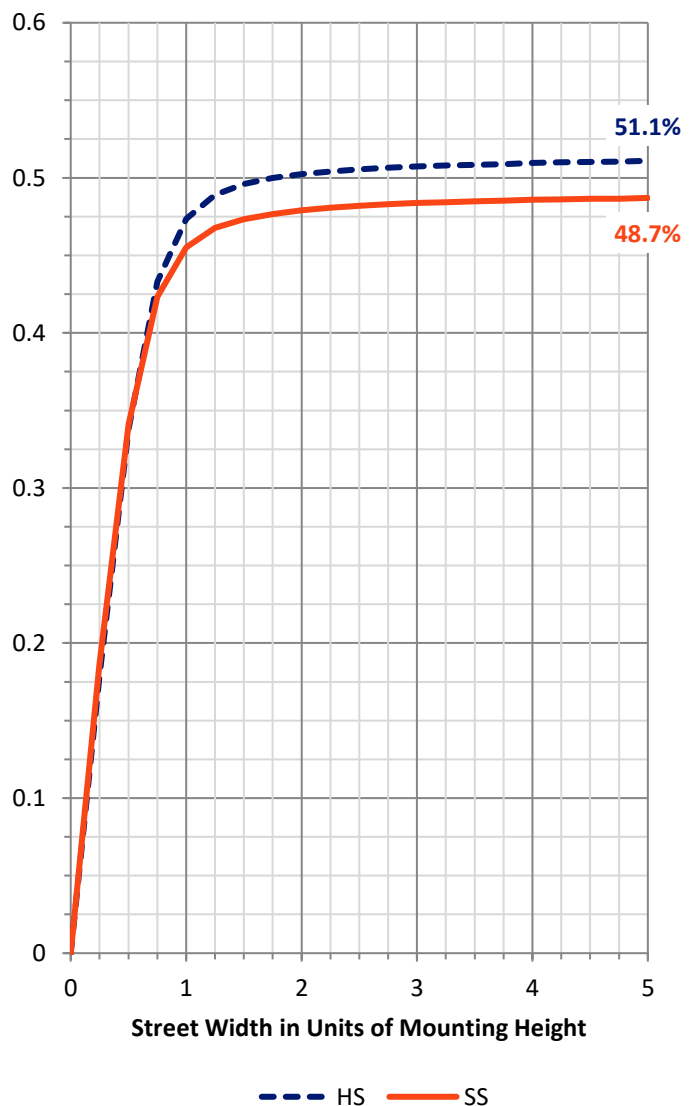
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1670.1	0.0	1670.1
	% Fixture	51.5	0.0	51.5
Street Side	Lumens	1572.9	0.0	1572.9
	% Fixture	48.5	0.0	48.5
Total	Lumens	3243.0	0.0	3243.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	51.9	1.6
10°-20°	168.2	5.2
20°-30°	287.1	8.9
30°-40°	400.9	12.4
40°-50°	509.9	15.7
50°-60°	644.8	19.9
60°-70°	795.2	24.5
70°-80°	347.4	10.7
80°-90°	37.7	1.2
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°	3243.0	100.0
0°-180°	3243.0	100.0



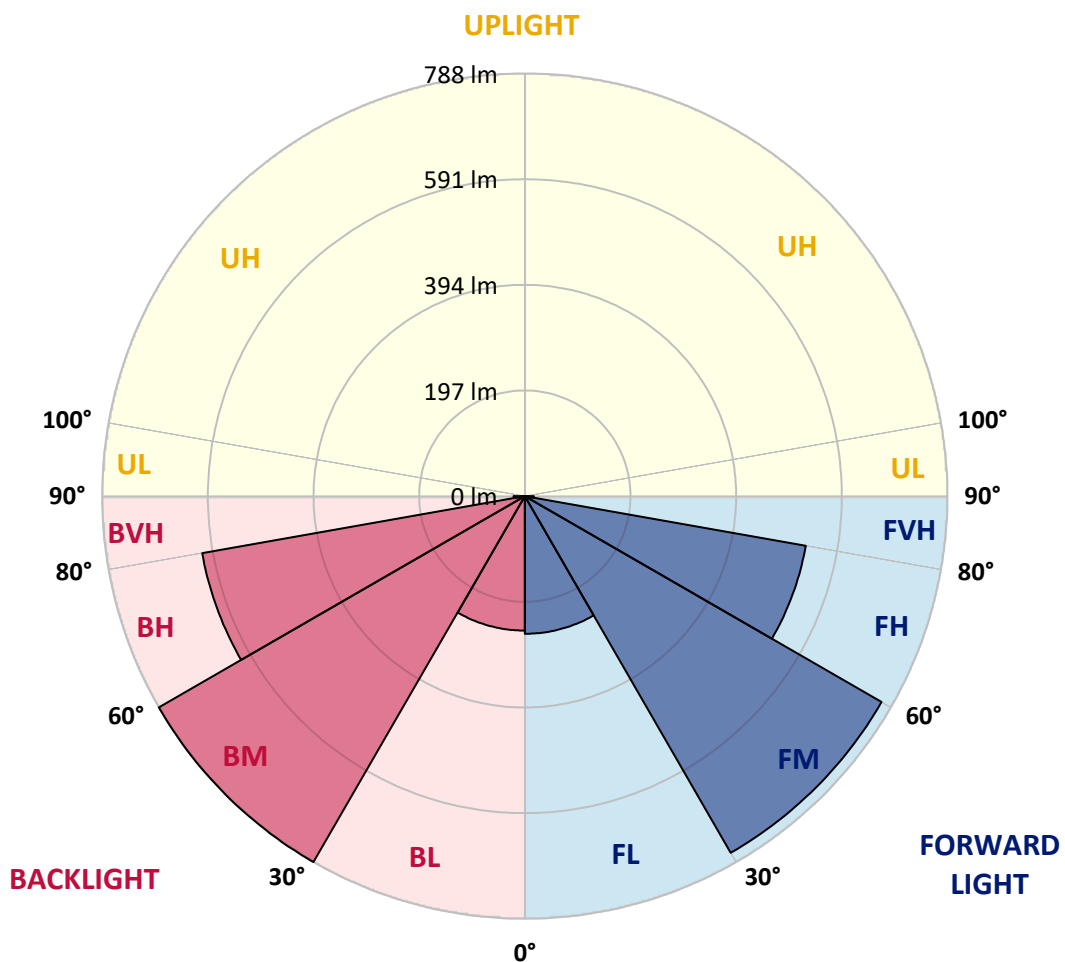
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	256.7	7.9			
FM (30°-60°)	767.8	23.7			
FH (60°-80°)	531.8	16.4			G0/660
FVH (80°-90°)	16.7	0.5			G1/100
BL (0°-30°)	250.6	7.7	B1/500		
BM (30°-60°)	787.8	24.3	B1/1000		
BH (60°-80°)	610.7	18.8	B2/1000		G2/1000
BVH (80°-90°)	21.0	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-G2

Type I Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	80°
0°	518.6	518.6	518.6	518.6	518.6	518.6	518.6	518.6	518.6	518.6	518.6
2.5°	529.5	528.9	530.8	532.0	526.5	528.3	527.1	525.9	521.6	519.8	516.2
5°	544.2	546.0	552.1	546.6	549.0	546.0	536.2	539.3	533.8	532.6	528.9
7.5°	569.7	566.1	574.6	568.5	570.3	564.2	560.0	554.5	553.3	544.8	545.4
10°	575.2	582.5	586.2	584.9	586.2	589.2	581.3	572.8	561.2	558.8	550.2
12.5°	571.5	578.2	588.0	595.9	601.4	602.6	599.5	597.7	592.8	578.8	578.2
15°	567.9	563.0	569.1	596.5	614.8	626.9	631.2	620.8	622.1	603.8	596.5
17.5°	543.5	536.2	560.0	586.8	609.3	636.1	656.8	653.7	653.7	639.1	628.8
20°	511.3	523.5	535.6	569.7	611.1	651.3	690.8	689.0	681.7	677.5	654.9
22.5°	483.9	489.4	511.9	547.8	599.5	655.5	702.4	735.9	718.8	701.8	688.4
25°	465.0	460.2	488.8	525.9	588.6	648.2	724.3	759.0	768.1	755.4	729.8
27.5°	438.2	438.2	460.8	496.1	553.3	644.6	745.6	798.6	812.0	793.1	756.0
30°	407.8	411.5	430.9	471.1	527.1	617.8	754.1	844.2	855.2	838.7	800.4
32.5°	384.1	384.1	406.0	448.6	508.8	605.6	748.7	889.3	910.0	897.8	858.2
35°	358.5	356.7	372.5	419.4	479.6	581.9	746.8	925.2	971.4	972.0	930.7
37.5°	322.0	329.3	349.4	386.5	456.5	558.8	741.4	968.4	1051.2	1065.2	1036.6
40°	297.6	300.7	318.9	359.7	420.6	531.4	733.4	1003.7	1104.1	1152.2	1112.7
42.5°	262.3	266.6	280.6	331.1	385.9	492.4	698.8	1028.7	1179.6	1234.4	1200.9
45°	225.2	227.6	248.3	289.7	348.8	446.2	661.6	1068.8	1252.6	1364.6	1345.2
47.5°	180.8	182.0	199.6	242.9	304.3	399.9	604.4	1067.0	1311.7	1494.9	1549.7
50°	141.2	144.3	157.6	192.9	250.8	343.3	538.1	1052.4	1385.9	1643.4	1751.1
52.5°	112.6	113.2	121.7	149.7	193.6	286.7	466.9	1006.1	1455.9	1788.9	1998.3
55°	93.1	93.1	98.0	115.0	148.5	217.9	383.5	929.4	1464.5	1949.6	2267.9
56°	89.5	88.3	92.5	107.1	133.9	196.6	344.5	877.7	1476.6	2023.8	2403.0
57°	84.6	85.2	87.6	98.0	120.5	174.1	301.3	827.2	1468.1	2084.7	2502.9
58°	82.2	81.0	85.8	92.5	106.5	154.6	271.5	767.5	1454.7	2134.6	2648.3
59°	78.5	77.9	81.0	87.0	99.2	137.6	234.9	703.0	1428.6	2199.1	2756.7
60°	77.3	76.7	77.9	82.8	91.3	120.5	206.9	627.5	1358.6	2265.5	2891.2
61°	73.6	74.3	76.7	79.7	86.4	108.3	186.3	550.2	1312.9	2321.5	3039.7
62°	74.3	73.0	74.3	76.7	81.6	99.8	163.1	474.2	1231.3	2384.8	3151.1
63°	70.6	70.0	71.8	74.9	77.3	90.1	142.4	409.6	1138.8	2399.4	3245.4
64°	69.4	68.8	69.4	73.6	74.3	84.6	126.0	350.0	1004.9	2424.3	3366.6
65°	66.3	66.3	67.6	69.4	71.8	79.7	112.6	303.7	871.6	2358.6	3403.7
66°	63.9	64.5	64.5	67.6	69.4	74.3	103.5	258.1	743.8	2253.9	3439.6
67°	62.1	62.1	62.7	65.1	67.0	70.0	93.1	223.4	627.5	2129.1	3384.2
67.5°	60.9	61.5	61.5	63.9	65.7	70.0	88.9	211.8	561.2	1992.2	3342.8
68°	59.0	59.6	59.6	62.1	63.9	67.6	85.8	193.6	517.4	1903.3	3266.1
69°	57.8	57.2	57.2	59.6	62.1	64.5	79.7	169.2	411.5	1655.0	3154.1
70°	54.2	54.2	55.4	57.2	59.0	61.5	73.6	149.1	348.2	1370.1	2865.6
71°	52.3	51.7	52.3	54.2	56.0	59.0	67.6	132.1	284.9	1137.6	2582.0
72°	48.7	49.9	49.9	51.7	53.6	55.4	63.3	115.0	239.2	909.4	2269.7
72.5°	48.1	48.1	48.7	50.5	51.7	54.8	60.9	110.2	218.5	801.6	2138.9
73°	46.3	46.3	46.9	48.7	49.9	53.0	59.0	99.2	199.0	713.4	1894.2
74°	44.4	43.8	43.8	46.3	46.9	49.9	55.4	87.6	166.8	537.5	1520.5
75°	41.4	41.4	42.0	43.2	43.8	46.3	51.1	77.9	140.6	416.9	1189.3



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	80°
77.5°	34.1	34.7	35.3	36.5	36.5	38.3	42.0	54.2	85.8	211.2	546.0
80°	25.0	26.2	28.0	29.8	29.2	29.2	32.9	39.0	51.1	95.0	209.4
82.5°	20.1	21.3	19.5	21.9	21.9	20.7	23.7	28.6	34.7	46.9	74.9
85°	13.4	14.0	11.6	13.4	12.8	12.8	15.8	17.0	21.3	26.2	37.1
87.5°	6.1	6.1	4.9	5.5	5.5	5.5	7.9	6.1	9.1	12.8	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):

	85°	87.5°	90°	92°	92.5°	95°	100°	105°	110°	115°	125°
0°	518.6	518.6	518.6	518.6	518.6	518.6	518.6	518.6	518.6	518.6	518.6
2.5°	519.8	522.2	522.2	519.8	518.0	519.8	518.6	515.5	518.6	519.8	520.4
5°	527.1	522.2	524.7	519.2	522.8	522.2	521.0	524.1	524.7	524.7	528.9
7.5°	535.0	541.1	533.2	533.8	535.6	528.3	530.8	532.0	529.5	534.4	538.1
10°	549.0	551.5	549.0	539.9	546.0	541.1	539.3	544.8	543.5	544.8	550.2
12.5°	561.8	566.1	559.4	558.8	555.7	551.5	553.9	553.3	561.8	563.0	569.7
15°	588.0	577.0	574.6	574.0	572.8	570.9	572.2	572.8	583.7	585.5	601.4
17.5°	610.5	608.7	595.3	600.1	600.1	592.8	589.8	600.1	608.7	617.8	628.8
20°	633.6	631.8	617.2	617.8	612.3	619.0	615.4	625.1	639.7	642.8	652.5
22.5°	661.0	653.1	642.8	644.0	645.8	640.9	638.5	651.9	666.5	675.0	675.6
25°	704.2	684.1	675.6	676.8	674.4	670.8	672.6	689.6	696.9	715.2	711.5
27.5°	727.4	715.8	709.7	695.7	696.3	690.8	698.1	723.7	738.3	752.3	724.3
30°	755.4	748.1	721.3	716.4	715.8	713.4	726.8	759.6	781.5	789.4	749.3
32.5°	810.1	780.9	774.2	770.0	760.2	763.3	770.0	813.2	847.9	846.1	772.4
35°	872.8	852.7	833.9	830.2	829.0	820.5	832.1	882.6	909.4	901.4	780.9
37.5°	973.3	942.8	917.3	903.3	900.8	894.7	922.1	962.3	997.0	966.0	787.6
40°	1022.6	988.5	964.7	956.2	958.0	966.6	993.4	1054.8	1070.0	1012.8	793.1
42.5°	1093.2	1056.0	1009.2	1004.9	999.4	1003.7	1055.4	1138.2	1151.0	1076.1	772.4
45°	1218.6	1162.6	1108.4	1084.0	1085.3	1096.8	1177.2	1267.9	1244.1	1120.0	739.5
47.5°	1376.8	1294.6	1250.8	1218.0	1233.8	1221.0	1348.8	1421.2	1340.3	1175.3	699.4
50°	1614.8	1499.8	1440.1	1400.6	1407.2	1418.2	1547.9	1609.3	1446.8	1202.1	637.9
52.5°	1914.9	1767.0	1679.3	1626.4	1631.2	1655.0	1822.4	1803.5	1568.5	1224.6	555.7
55°	2274.0	2121.8	1952.0	1930.1	1924.6	1981.2	2165.7	2006.8	1678.1	1188.7	470.5
56°	2463.9	2302.0	2125.5	2080.4	2067.0	2106.6	2323.3	2108.4	1715.8	1148.6	429.7
57°	2625.2	2470.6	2277.0	2200.3	2217.4	2291.6	2479.7	2204.0	1750.5	1107.2	391.4
58°	2846.8	2670.2	2465.7	2407.3	2392.1	2451.1	2648.3	2300.2	1762.1	1064.6	356.1
59°	3067.7	2855.9	2671.5	2564.9	2569.2	2676.9	2814.5	2414.6	1779.8	1010.4	311.0
60°	3235.7	3129.2	2882.7	2802.9	2792.0	2947.8	2980.1	2491.3	1798.6	937.4	279.4
61°	3473.7	3334.9	3105.4	3002.6	3032.4	3157.2	3159.0	2587.5	1770.6	844.8	240.4
62°	3644.7	3608.2	3367.2	3269.2	3260.0	3425.6	3345.3	2672.1	1746.3	757.2	212.4
63°	3845.0	3845.0	3625.2	3548.6	3552.8	3683.7	3426.2	2756.7	1718.3	660.4	186.9
64°	3949.1	4079.9	3877.2	3769.5	3797.5	3910.7	3570.5	2812.1	1631.8	562.4	164.3
65°	4039.1	4235.7	4123.1	4073.2	4030.6	4097.6	3695.2	2863.8	1499.8	478.4	146.1
66°	4115.2	4382.4	4345.3	4291.7	4287.5	4272.3	3719.6	2862.0	1363.4	404.2	127.8
67°	4076.9	4385.5	4453.0	4475.6	4468.9	4308.2	3677.0	2796.8	1188.7	341.5	113.8
67.5°	4042.2	4360.5	4517.6	4504.8	4532.8	4338.6	3684.3	2717.1	1064.6	309.2	107.1
68°	4011.8	4327.0	4543.7	4560.2	4546.2	4342.3	3644.1	2653.8	980.0	290.3	101.0
69°	3781.1	4168.2	4501.7	4560.8	4524.9	4202.9	3516.3	2488.9	778.5	247.7	93.1
70°	3549.8	3962.5	4297.8	4406.2	4361.7	3933.2	3355.0	2226.5	642.1	211.8	84.0
71°	3229.6	3580.2	4026.4	4091.5	4037.9	3626.5	3021.4	1949.6	499.7	179.6	74.9
72°	2795.0	3092.7	3518.7	3676.4	3597.2	3185.2	2684.2	1611.2	404.8	151.0	68.2
72.5°	2579.5	2884.5	3295.3	3308.1	3323.3	2993.4	2541.2	1415.2	353.0	140.0	66.3
73°	2375.0	2673.9	3029.4	3074.4	3009.9	2670.2	2327.6	1265.4	322.6	127.8	63.9
74°	1924.6	2095.0	2389.6	2433.5	2376.9	2177.2	1902.1	970.2	256.9	110.2	58.4
75°	1514.4	1608.1	1874.7	1847.9	1763.3	1693.3	1474.8	741.4	208.2	96.8	54.2



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CANDELA DISTRIBUTION (continued):

	85°	87.5°	90°	92°	92.5°	95°	100°	105°	110°	115°	125°
77.5°	680.5	737.1	781.5	781.5	786.4	750.5	679.9	340.2	128.4	70.0	44.4
80°	259.3	290.3	300.1	300.7	304.9	315.9	294.0	167.4	76.1	49.9	35.9
82.5°	188.1	262.9	283.0	268.4	269.6	243.5	112.6	74.3	48.1	34.7	26.2
85°	170.4	228.9	242.3	240.4	241.0	225.2	66.3	36.5	28.0	21.9	18.3
87.5°	82.8	81.0	85.8	96.8	94.3	122.3	56.0	18.3	12.2	9.1	9.1
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):

	135°	145°	155°	165°	175°	180°
0°	518.6	518.6	518.6	518.6	518.6	518.6
2.5°	515.5	514.9	523.5	514.9	519.8	516.2
5°	521.6	524.1	525.9	529.5	521.0	529.5
7.5°	539.9	542.3	542.9	546.0	542.3	541.7
10°	553.9	560.0	563.6	551.5	558.8	558.2
12.5°	581.3	575.2	574.6	572.2	565.5	563.0
15°	600.8	591.6	586.2	576.4	568.5	565.5
17.5°	628.1	610.5	588.0	567.9	553.9	542.9
20°	645.2	613.5	568.5	544.8	523.5	528.3
22.5°	656.1	610.5	550.8	520.4	499.1	505.2
25°	659.8	595.3	538.7	500.9	480.2	476.0
27.5°	649.5	577.6	514.9	472.3	454.1	457.7
30°	644.6	552.1	493.0	451.0	426.7	430.3
32.5°	631.8	525.9	463.8	421.2	403.5	397.5
35°	613.5	504.0	435.8	395.6	374.3	369.5
37.5°	591.0	476.6	411.5	362.8	343.9	340.2
40°	557.5	443.7	376.2	334.2	312.2	311.6
42.5°	528.3	412.1	343.3	300.1	278.2	279.4
45°	491.2	369.5	305.6	268.4	246.5	247.7
47.5°	443.7	329.9	269.6	228.3	210.0	208.8
50°	387.7	284.9	225.8	190.5	175.3	172.3
52.5°	334.2	239.2	185.0	153.4	140.6	139.4
55°	266.6	186.3	144.3	120.5	110.8	111.4
56°	242.3	171.6	131.5	110.2	102.9	102.9
57°	219.1	152.2	119.3	101.6	95.0	95.0
58°	193.6	133.9	108.3	91.9	88.9	86.4
59°	175.9	121.7	98.0	87.0	82.2	81.6
60°	155.2	109.6	91.3	81.6	77.9	77.3
61°	137.6	98.6	84.0	76.1	74.9	74.9
62°	123.0	91.3	77.9	73.6	73.0	71.2
63°	110.2	84.0	74.9	70.0	68.2	70.0
64°	98.6	77.3	72.4	68.8	66.3	67.6
65°	89.5	74.3	69.4	67.0	64.5	65.1
66°	83.4	69.4	67.0	63.9	62.7	63.3
67°	75.5	67.0	64.5	61.5	60.9	61.5
67.5°	73.0	65.1	63.3	60.3	59.6	60.3
68°	71.2	63.9	62.7	59.6	59.0	58.4
69°	66.3	61.5	59.6	58.4	57.2	56.6
70°	62.1	59.0	57.8	56.0	54.8	54.2
71°	59.6	56.0	55.4	53.6	52.3	51.7
72°	56.6	54.2	53.0	50.5	49.9	50.5
72.5°	56.0	53.0	52.3	49.9	49.3	49.3
73°	54.2	50.5	51.1	48.7	47.5	48.7
74°	50.5	49.3	48.1	46.3	45.7	45.7
75°	47.5	46.3	45.0	43.8	43.8	43.8



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CANDELA DISTRIBUTION (continued):

	135°	145°	155°	165°	175°	180°
77.5°	40.2	39.6	40.2	37.7	37.1	36.5
80°	32.3	32.3	32.9	31.0	29.8	29.2
82.5°	24.3	25.0	26.2	24.3	23.1	21.9
85°	15.8	16.4	16.4	14.6	17.0	15.8
87.5°	7.9	8.5	7.9	7.3	8.5	8.5
90°	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)