

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: P676143

Luminaire Tested: **CCW-SA-1C-750-U-T1**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P676143
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-1C-750-U-T1
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @615mA w/
T1 distribution lens
Light Source: (16) 5000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

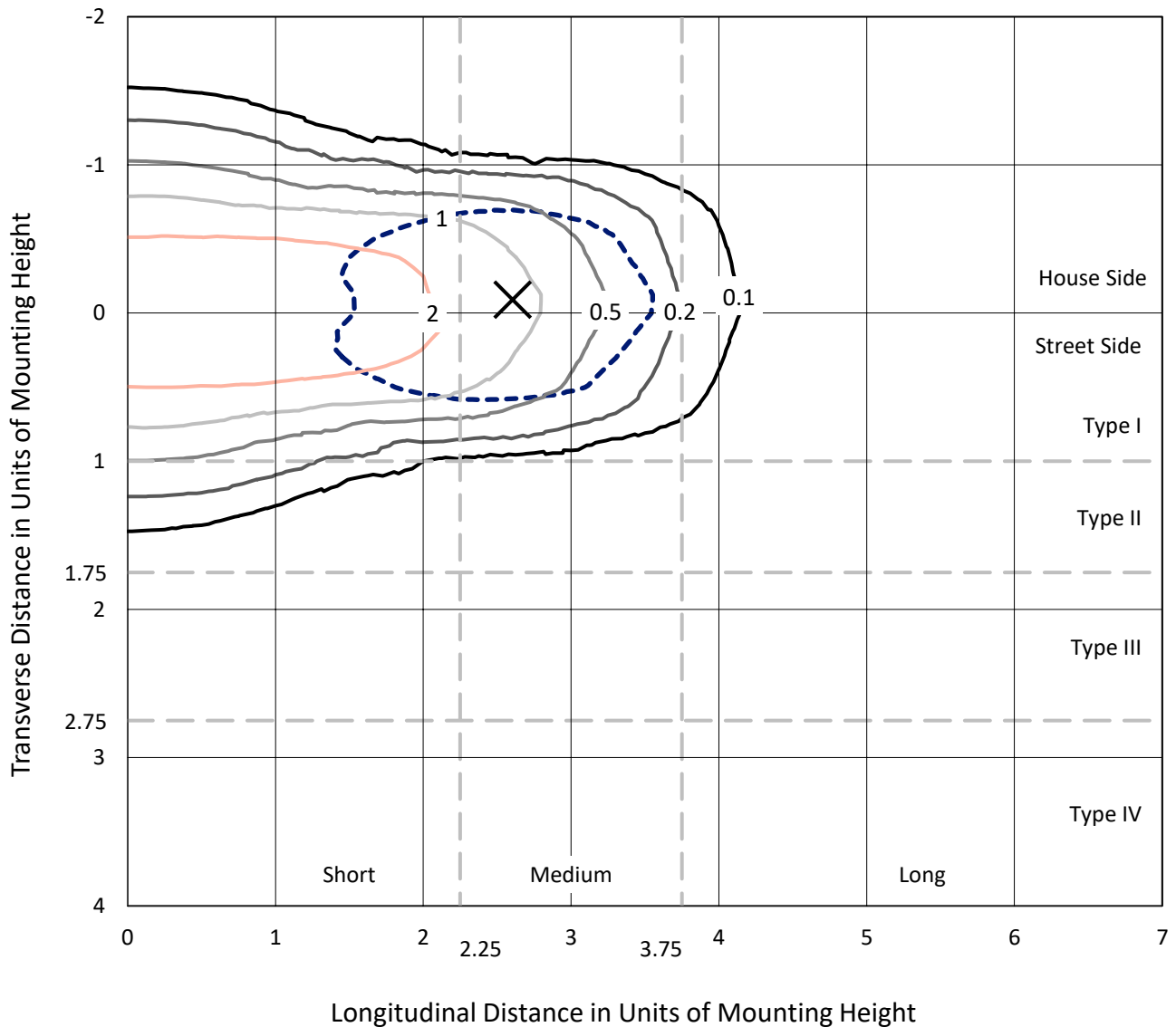
Lumens per Lamp: N/A
Luminaire Lumens: 4503.5 lumens
Efficiency: N/A
Efficacy: 140.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type I - Short
BUG Rating: B2 - U0 - G2

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

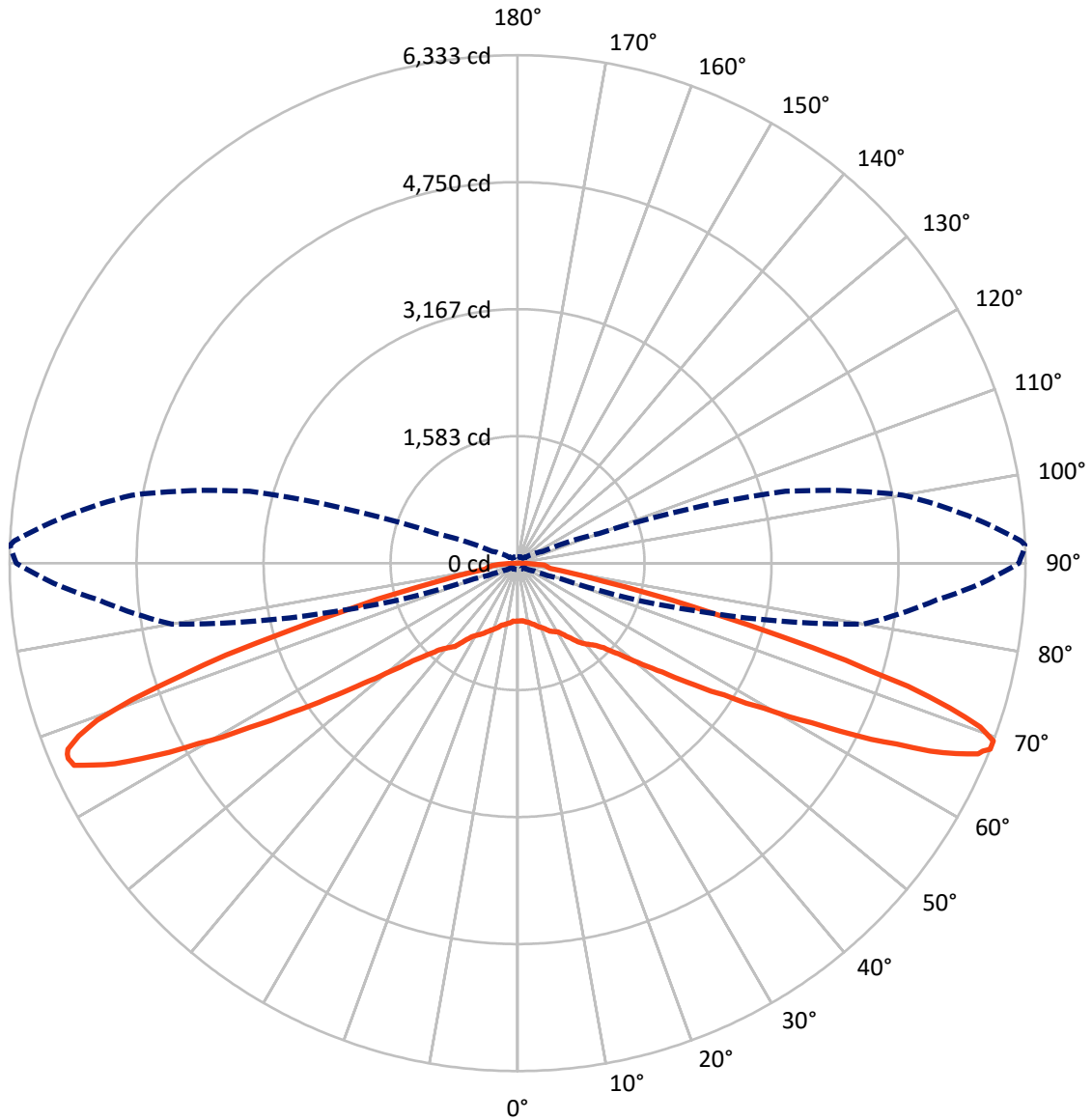
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 3.5 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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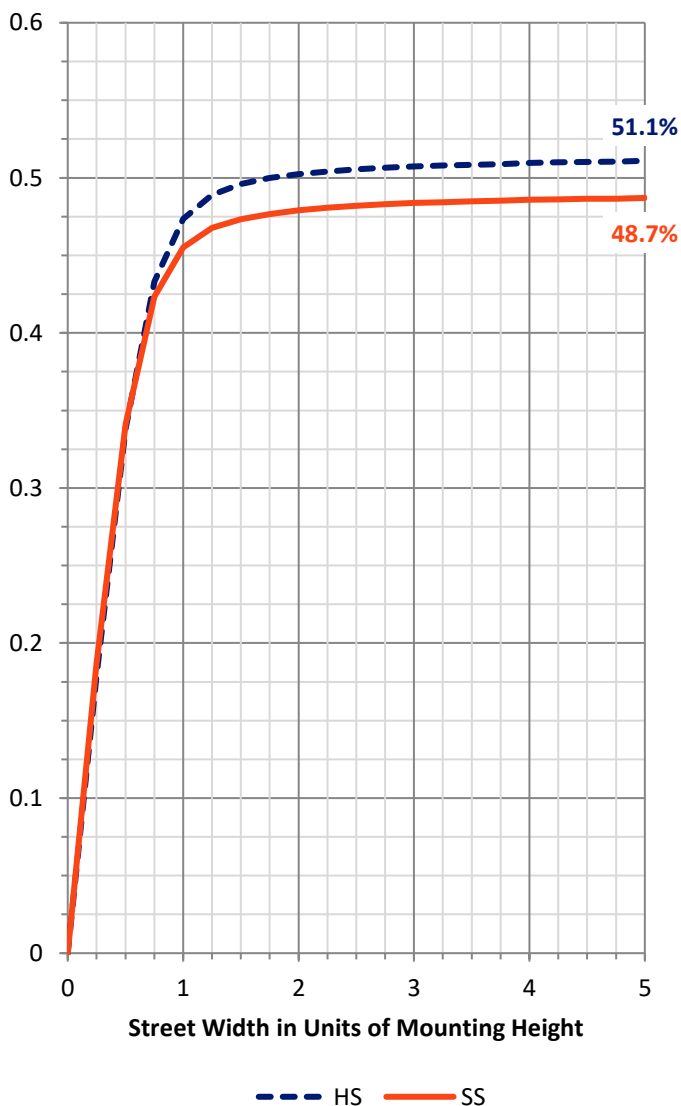
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2319.2	0.0	2319.2
	% Fixture	51.5	0.0	51.5
Street Side	Lumens	2184.3	0.0	2184.3
	% Fixture	48.5	0.0	48.5
Total	Lumens	4503.5	0.0	4503.5
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	72.1	1.6
10°-20°	233.6	5.2
20°-30°	398.7	8.9
30°-40°	556.7	12.4
40°-50°	708.1	15.7
50°-60°	895.4	19.9
60°-70°	1104.2	24.5
70°-80°	482.4	10.7
80°-90°	52.3	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°	4503.5	100.0
0°-180°	4503.5	100.0



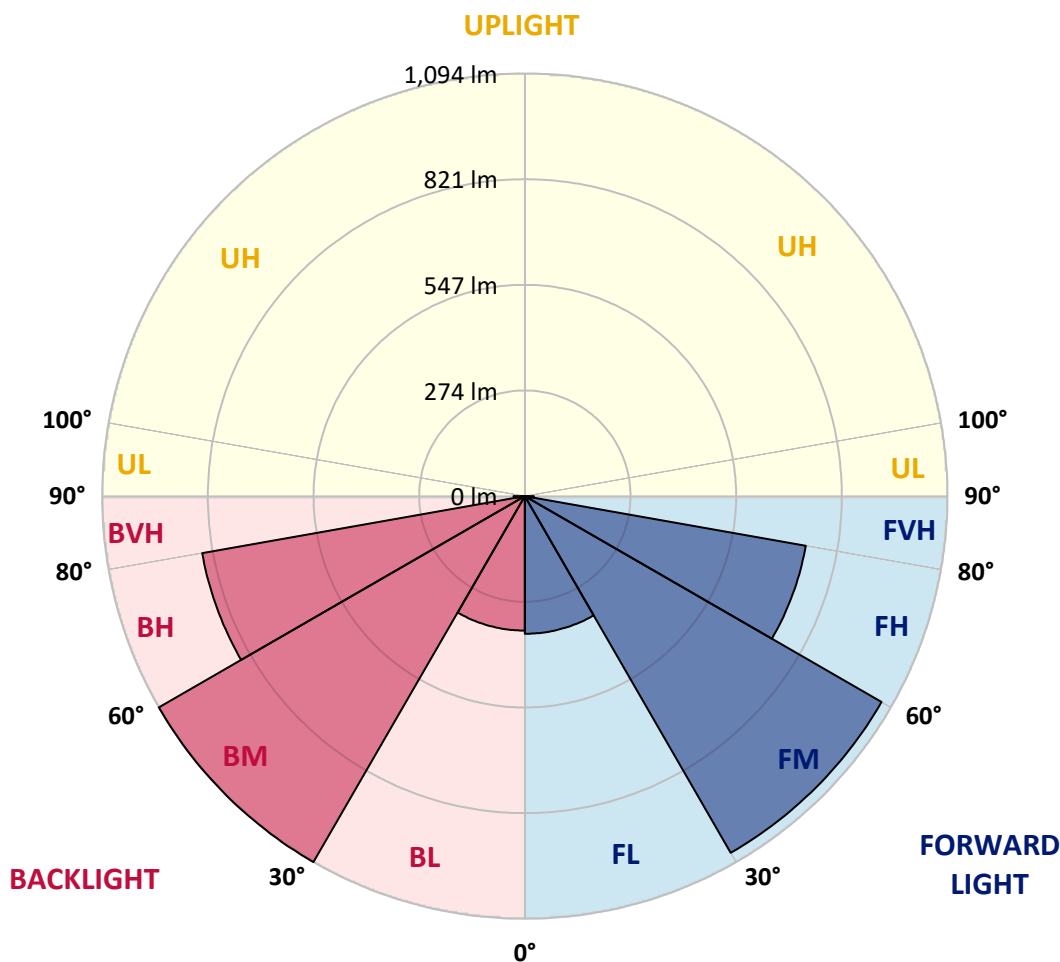
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	356.4	7.9			
FM (30°-60°)	1066.2	23.7			
FH (60°-80°)	738.5	16.4			G1/1800
FVH (80°-90°)	23.2	0.5			G1/100
BL (0°-30°)	348.0	7.7	B1/500		
BM (30°-60°)	1094.0	24.3	B2/2500		
BH (60°-80°)	848.1	18.8	B2/1000		G2/1000
BVH (80°-90°)	29.1	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°	720.2	720.2	720.2	720.2	720.2	720.2	720.2	720.2	720.2	720.2	720.2
2.5°	735.4	734.5	737.1	738.7	731.1	733.7	732.0	730.3	724.4	721.8	716.8
5°	755.7	758.2	766.6	759.0	762.4	758.2	744.7	748.9	741.3	739.6	734.5
7.5°	791.2	786.1	797.9	789.5	792.0	783.5	777.6	770.0	768.3	756.5	757.3
10°	798.8	808.9	814.0	812.3	814.0	818.2	807.2	795.4	779.3	775.9	764.1
12.5°	793.7	803.0	816.5	827.5	835.1	836.8	832.6	830.0	823.3	803.8	803.0
15°	788.6	781.9	790.3	828.3	853.7	870.6	876.5	862.2	863.8	838.5	828.3
17.5°	754.8	744.7	777.6	814.8	846.1	883.3	912.0	907.8	907.8	887.5	873.1
20°	710.0	726.9	743.8	791.2	848.6	904.4	959.4	956.8	946.7	940.8	909.5
22.5°	672.0	679.6	710.9	760.7	832.6	910.3	975.4	1021.9	998.2	974.6	956.0
25°	645.8	639.0	678.7	730.3	817.4	900.2	1005.8	1054.0	1066.7	1049.0	1013.5
27.5°	608.6	608.6	639.9	688.9	768.3	895.1	1035.4	1109.0	1127.6	1101.4	1049.8
30°	566.3	571.4	598.4	654.2	732.0	857.9	1047.3	1172.4	1187.6	1164.8	1111.5
32.5°	533.4	533.4	563.8	622.9	706.6	841.0	1039.7	1234.9	1263.6	1246.7	1191.8
35°	497.9	495.3	517.3	582.4	666.1	808.1	1037.1	1284.8	1349.0	1349.9	1292.4
37.5°	447.1	457.3	485.2	536.7	633.9	775.9	1029.5	1344.8	1459.7	1479.2	1439.5
40°	413.3	417.6	442.9	499.5	584.1	737.9	1018.5	1393.8	1533.3	1600.1	1545.1
42.5°	364.3	370.2	389.7	459.8	535.9	683.8	970.3	1428.5	1638.1	1714.2	1667.7
45°	312.7	316.1	344.9	402.3	484.3	619.6	918.8	1484.3	1739.5	1895.0	1868.0
47.5°	251.0	252.7	277.2	337.3	422.6	555.3	839.3	1481.7	1821.5	2075.9	2152.0
50°	196.1	200.3	218.9	267.9	348.2	476.7	747.2	1461.4	1924.6	2282.2	2431.8
52.5°	156.4	157.2	169.0	207.9	268.8	398.1	648.3	1397.2	2021.8	2484.2	2775.0
55°	129.3	129.3	136.1	159.8	206.2	302.6	532.5	1290.7	2033.7	2707.3	3149.4
56°	124.3	122.6	128.5	148.8	186.0	273.0	478.4	1218.8	2050.6	2810.5	3337.0
57°	117.5	118.3	121.7	136.1	167.4	241.7	418.4	1148.7	2038.7	2895.0	3475.7
58°	114.1	112.4	119.2	128.5	147.9	214.7	377.0	1065.9	2020.1	2964.3	3677.7
59°	109.0	108.2	112.4	120.9	137.8	191.0	326.3	976.3	1983.8	3053.9	3828.1
60°	107.3	106.5	108.2	115.0	126.8	167.4	287.4	871.5	1886.6	3146.0	4014.9
61°	102.3	103.1	106.5	110.7	120.0	150.5	258.6	764.1	1823.2	3223.8	4221.2
62°	103.1	101.4	103.1	106.5	113.3	138.6	226.5	658.4	1709.9	3311.7	4375.9
63°	98.0	97.2	99.7	104.0	107.3	125.1	197.8	568.9	1581.5	3332.0	4506.9
64°	96.4	95.5	96.4	102.3	103.1	117.5	175.0	486.0	1395.5	3366.6	4675.1
65°	92.1	92.1	93.8	96.4	99.7	110.7	156.4	421.8	1210.4	3275.3	4726.6
66°	88.8	89.6	89.6	93.8	96.4	103.1	143.7	358.4	1032.9	3130.0	4776.5
67°	86.2	86.2	87.1	90.4	93.0	97.2	129.3	310.2	871.5	2956.7	4699.6
67.5°	84.5	85.4	85.4	88.8	91.3	97.2	123.4	294.1	779.3	2766.5	4642.1
68°	82.0	82.8	82.8	86.2	88.8	93.8	119.2	268.8	718.5	2643.1	4535.6
69°	80.3	79.5	79.5	82.8	86.2	89.6	110.7	235.0	571.4	2298.2	4380.1
70°	75.2	75.2	76.9	79.5	82.0	85.4	102.3	207.1	483.5	1902.7	3979.4
71°	72.7	71.8	72.7	75.2	77.8	82.0	93.8	183.4	395.6	1579.8	3585.5
72°	67.6	69.3	69.3	71.8	74.4	76.9	87.9	159.8	332.2	1262.8	3151.9
72.5°	66.8	66.8	67.6	70.2	71.8	76.1	84.5	153.0	303.4	1113.2	2970.2
73°	64.2	64.2	65.1	67.6	69.3	73.5	82.0	137.8	276.4	990.6	2630.4
74°	61.7	60.9	60.9	64.2	65.1	69.3	76.9	121.7	231.6	746.4	2111.4
75°	57.5	57.5	58.3	60.0	60.9	64.2	71.0	108.2	195.3	579.0	1651.6



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	80°
77.5°	47.3	48.2	49.0	50.7	50.7	53.3	58.3	75.2	119.2	293.3	758.2
80°	34.7	36.3	38.9	41.4	40.6	40.6	45.6	54.1	71.0	131.9	290.8
82.5°	27.9	29.6	27.0	30.4	30.4	28.7	33.0	39.7	48.2	65.1	104.0
85°	18.6	19.4	16.1	18.6	17.8	17.8	22.0	23.7	29.6	36.3	51.6
87.5°	8.5	8.5	6.8	7.6	7.6	7.6	11.0	8.5	12.7	17.8	30.4
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):

	85°	87.5°	90°	92°	92.5°	95°	100°	105°	110°	115°	125°
0°	720.2	720.2	720.2	720.2	720.2	720.2	720.2	720.2	720.2	720.2	720.2
2.5°	721.8	725.2	725.2	721.8	719.3	721.8	720.2	715.9	720.2	721.8	722.7
5°	732.0	725.2	728.6	721.0	726.1	725.2	723.5	727.8	728.6	728.6	734.5
7.5°	743.0	751.4	740.4	741.3	743.8	733.7	737.1	738.7	735.4	742.1	747.2
10°	762.4	765.8	762.4	749.7	758.2	751.4	748.9	756.5	754.8	756.5	764.1
12.5°	780.2	786.1	776.8	775.9	771.7	765.8	769.2	768.3	780.2	781.9	791.2
15°	816.5	801.3	797.9	797.1	795.4	792.8	794.5	795.4	810.6	813.1	835.1
17.5°	847.8	845.2	826.7	833.4	833.4	823.3	819.0	833.4	845.2	857.9	873.1
20°	879.9	877.4	857.1	857.9	850.3	859.6	854.5	868.1	888.4	892.6	906.1
22.5°	917.9	907.0	892.6	894.3	896.8	890.0	886.7	905.3	925.5	937.4	938.2
25°	978.0	950.1	938.2	939.9	936.5	931.5	934.0	957.7	967.8	993.2	988.1
27.5°	1010.1	994.0	985.6	966.1	967.0	959.4	969.5	1005.0	1025.3	1044.7	1005.8
30°	1049.0	1038.8	1001.6	994.9	994.0	990.6	1009.2	1054.9	1085.3	1096.3	1040.5
32.5°	1125.0	1084.5	1075.2	1069.2	1055.7	1059.9	1069.2	1129.3	1177.4	1174.9	1072.6
35°	1212.1	1184.2	1158.0	1152.9	1151.2	1139.4	1155.5	1225.6	1262.8	1251.8	1084.5
37.5°	1351.6	1309.3	1273.8	1254.3	1251.0	1242.5	1280.6	1336.3	1384.5	1341.4	1093.8
40°	1420.0	1372.7	1339.7	1327.9	1330.4	1342.3	1379.4	1464.8	1485.9	1406.5	1101.4
42.5°	1518.1	1466.5	1401.4	1395.5	1387.9	1393.8	1465.7	1580.6	1598.4	1494.4	1072.6
45°	1692.2	1614.4	1539.2	1505.4	1507.1	1523.1	1634.7	1760.7	1727.7	1555.3	1027.0
47.5°	1912.0	1797.8	1737.0	1691.3	1713.3	1695.6	1873.1	1973.7	1861.2	1632.2	971.2
50°	2242.4	2082.7	1999.9	1944.9	1954.2	1969.4	2149.5	2234.8	2009.2	1669.4	885.8
52.5°	2659.2	2453.8	2332.0	2258.5	2265.3	2298.2	2530.7	2504.5	2178.2	1700.6	771.7
55°	3157.8	2946.5	2710.7	2680.3	2672.7	2751.3	3007.4	2786.8	2330.3	1650.8	653.4
56°	3421.6	3196.7	2951.6	2889.1	2870.5	2925.4	3226.3	2927.9	2382.8	1595.0	596.7
57°	3645.6	3430.9	3162.1	3055.6	3079.2	3182.4	3443.5	3060.6	2430.9	1537.5	543.5
58°	3953.2	3708.1	3424.1	3343.0	3321.8	3403.8	3677.7	3194.2	2447.0	1478.3	494.5
59°	4260.1	3965.9	3709.8	3561.9	3567.8	3717.4	3908.4	3353.1	2471.5	1403.1	431.9
60°	4493.3	4345.4	4003.1	3892.4	3877.2	4093.5	4138.3	3459.6	2497.7	1301.7	388.0
61°	4823.8	4631.1	4312.5	4169.6	4211.0	4384.3	4386.8	3593.2	2458.8	1173.2	333.9
62°	5061.3	5010.6	4675.9	4539.8	4527.1	4757.1	4645.5	3710.6	2425.0	1051.5	295.0
63°	5339.4	5339.4	5034.3	4927.8	4933.7	5115.4	4757.9	3828.1	2386.1	917.1	259.5
64°	5484.0	5665.7	5384.2	5234.6	5273.5	5430.7	4958.2	3905.0	2266.1	781.0	228.2
65°	5609.1	5882.1	5725.7	5656.4	5597.2	5690.2	5131.5	3976.9	2082.7	664.4	202.9
66°	5714.7	6085.8	6034.2	5959.8	5953.9	5932.8	5165.3	3974.4	1893.4	561.2	177.5
67°	5661.5	6090.0	6183.8	6215.1	6205.8	5982.7	5106.1	3883.9	1650.8	474.2	158.1
67.5°	5613.3	6055.4	6273.4	6255.7	6294.6	6024.9	5116.3	3773.2	1478.3	429.4	148.8
68°	5571.0	6008.9	6309.8	6332.6	6313.2	6030.0	5060.5	3685.3	1360.8	403.2	140.3
69°	5250.7	5788.3	6251.5	6333.4	6283.6	5836.4	4883.0	3456.2	1081.1	344.0	129.3
70°	4929.5	5502.6	5968.3	6118.8	6057.0	5462.0	4659.0	3091.9	891.7	294.1	116.6
71°	4484.9	4971.8	5591.3	5681.8	5607.4	5036.0	4195.8	2707.3	693.9	249.3	104.0
72°	3881.4	4294.7	4886.4	5105.3	4995.4	4423.2	3727.5	2237.4	562.1	209.6	94.7
72.5°	3582.2	4005.6	4576.2	4593.9	4615.1	4156.9	3528.9	1965.2	490.2	194.4	92.1
73°	3298.2	3713.2	4206.8	4269.3	4179.8	3708.1	3232.2	1757.3	448.0	177.5	88.8
74°	2672.7	2909.3	3318.4	3379.3	3300.7	3023.5	2641.4	1347.3	356.7	153.0	81.1
75°	2103.0	2233.1	2603.4	2566.2	2448.7	2351.5	2048.0	1029.5	289.1	134.4	75.2



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CANDELA DISTRIBUTION (continued):

	85°	87.5°	90°	92°	92.5°	95°	100°	105°	110°	115°	125°
77.5°	945.0	1023.6	1085.3	1085.3	1092.1	1042.2	944.1	472.5	178.3	97.2	61.7
80°	360.1	403.2	416.7	417.6	423.5	438.7	408.3	232.4	105.7	69.3	49.9
82.5°	261.2	365.1	393.0	372.8	374.4	338.1	156.4	103.1	66.8	48.2	36.3
85°	236.7	317.8	336.4	333.9	334.7	312.7	92.1	50.7	38.9	30.4	25.4
87.5°	115.0	112.4	119.2	134.4	131.0	169.9	77.8	25.4	16.9	12.7	12.7
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):

	135°	145°	155°	165°	175°	180°
0°	720.2	720.2	720.2	720.2	720.2	720.2
2.5°	715.9	715.1	726.9	715.1	721.8	716.8
5°	724.4	727.8	730.3	735.4	723.5	735.4
7.5°	749.7	753.1	754.0	758.2	753.1	752.3
10°	769.2	777.6	782.7	765.8	775.9	775.1
12.5°	807.2	798.8	797.9	794.5	785.2	781.9
15°	834.3	821.6	814.0	800.5	789.5	785.2
17.5°	872.3	847.8	816.5	788.6	769.2	754.0
20°	896.0	852.0	789.5	756.5	726.9	733.7
22.5°	911.2	847.8	764.9	722.7	693.1	701.6
25°	916.2	826.7	748.0	695.6	666.9	661.0
27.5°	901.9	802.1	715.1	655.9	630.6	635.6
30°	895.1	766.6	684.7	626.3	592.5	597.6
32.5°	877.4	730.3	644.1	584.9	560.4	551.9
35°	852.0	699.9	605.2	549.4	519.8	513.1
37.5°	820.7	661.8	571.4	503.8	477.6	472.5
40°	774.2	616.2	522.4	464.0	433.6	432.8
42.5°	733.7	572.2	476.7	416.7	386.3	388.0
45°	682.1	513.1	424.3	372.8	342.3	344.0
47.5°	616.2	458.1	374.4	317.0	291.6	289.9
50°	538.4	395.6	313.6	264.6	243.4	239.2
52.5°	464.0	332.2	257.0	213.0	195.3	193.6
55°	370.2	258.6	200.3	167.4	153.8	154.7
56°	336.4	238.4	182.6	153.0	142.8	142.8
57°	304.3	211.3	165.7	141.2	131.9	131.9
58°	268.8	186.0	150.5	127.6	123.4	120.0
59°	244.3	169.0	136.1	120.9	114.1	113.3
60°	215.5	152.1	126.8	113.3	108.2	107.3
61°	191.0	136.9	116.6	105.7	104.0	104.0
62°	170.7	126.8	108.2	102.3	101.4	98.9
63°	153.0	116.6	104.0	97.2	94.7	97.2
64°	136.9	107.3	100.6	95.5	92.1	93.8
65°	124.3	103.1	96.4	93.0	89.6	90.4
66°	115.8	96.4	93.0	88.8	87.1	87.9
67°	104.8	93.0	89.6	85.4	84.5	85.4
67.5°	101.4	90.4	87.9	83.7	82.8	83.7
68°	98.9	88.8	87.1	82.8	82.0	81.1
69°	92.1	85.4	82.8	81.1	79.5	78.6
70°	86.2	82.0	80.3	77.8	76.1	75.2
71°	82.8	77.8	76.9	74.4	72.7	71.8
72°	78.6	75.2	73.5	70.2	69.3	70.2
72.5°	77.8	73.5	72.7	69.3	68.5	68.5
73°	75.2	70.2	71.0	67.6	65.9	67.6
74°	70.2	68.5	66.8	64.2	63.4	63.4
75°	65.9	64.2	62.5	60.9	60.9	60.9



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CANDELA DISTRIBUTION (continued):

	135°	145°	155°	165°	175°	180°
77.5°	55.8	54.9	55.8	52.4	51.6	50.7
80°	44.8	44.8	45.6	43.1	41.4	40.6
82.5°	33.8	34.7	36.3	33.8	32.1	30.4
85°	22.0	22.8	22.8	20.3	23.7	22.0
87.5°	11.0	11.8	11.0	10.1	11.8	11.8
90°	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)