

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: P671184

Luminaire Tested: **CCP-SA-1F-850-U-T4W**

Issue Date: 04/16/2023

Test Information

Test Method: LM-79-08
Report Number: P671184
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1F-850-U-T4W
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @1200mA w/ T4W
distribution lens
Light Source: (16) 5000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6600.2 lumens
Efficiency: N/A
Efficacy: 98.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B1 - U0 - G2

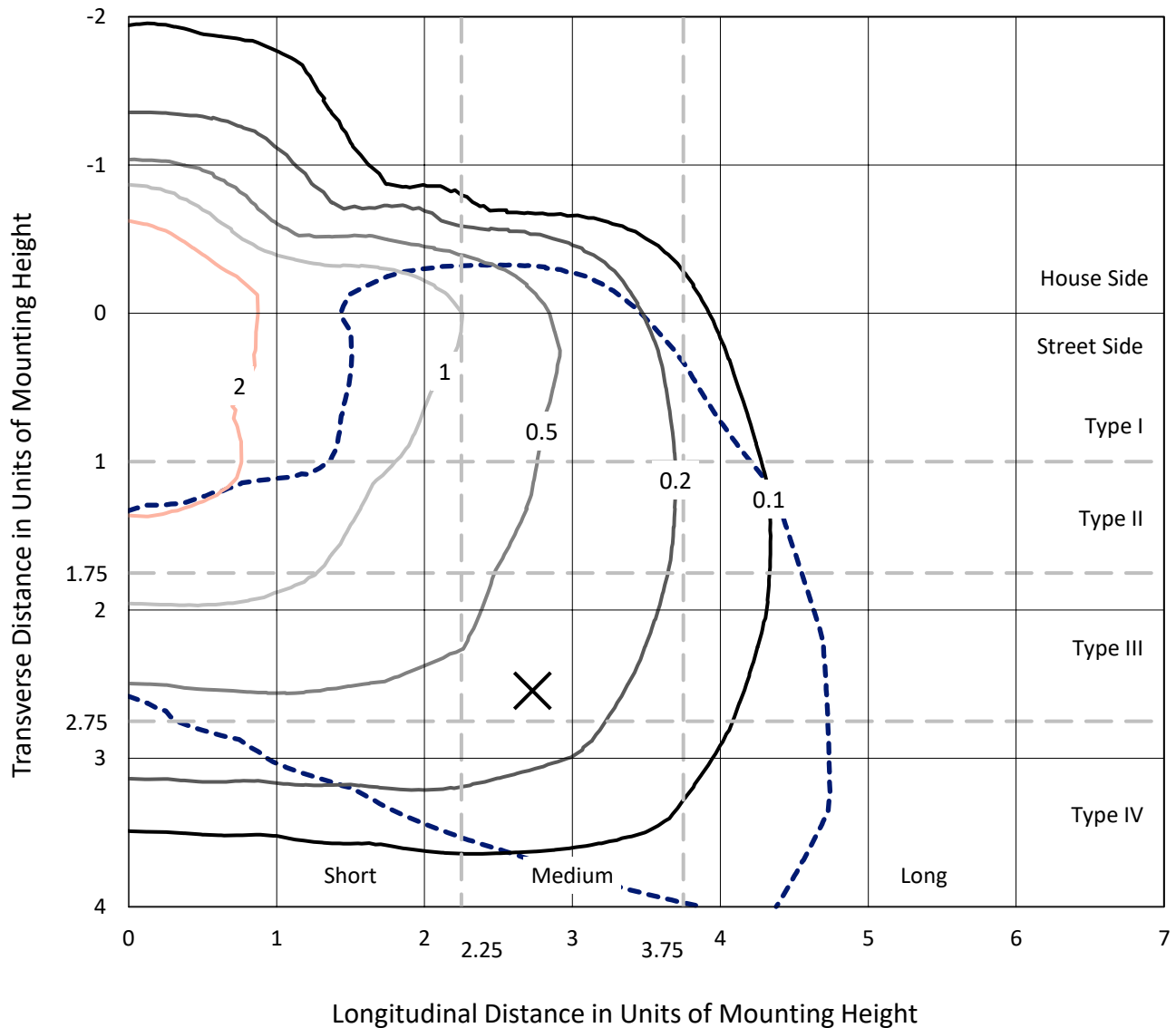
Input Watts (W): 67
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Iso-Footcandle Lines of Horizontal Illumination

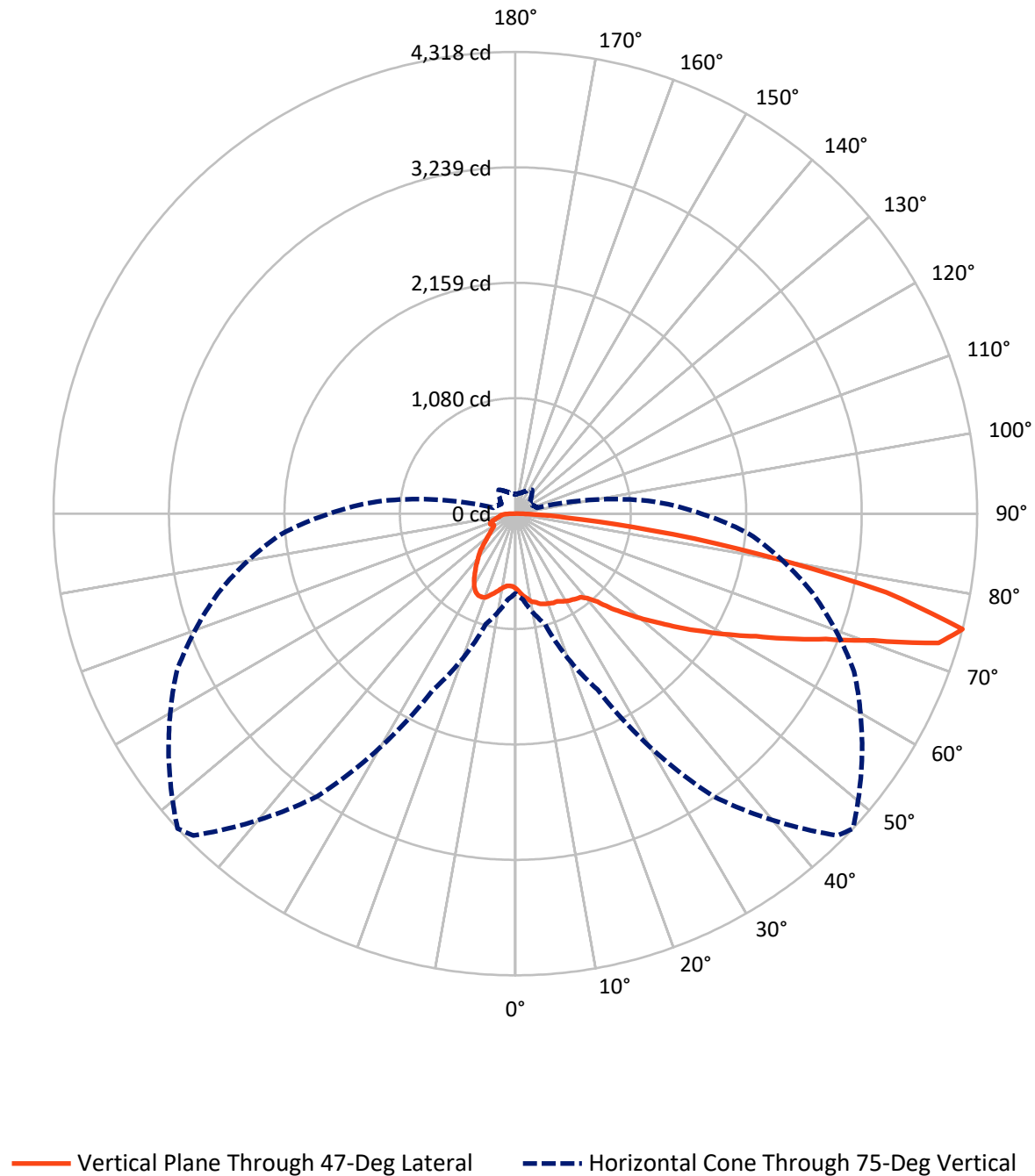
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 4 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



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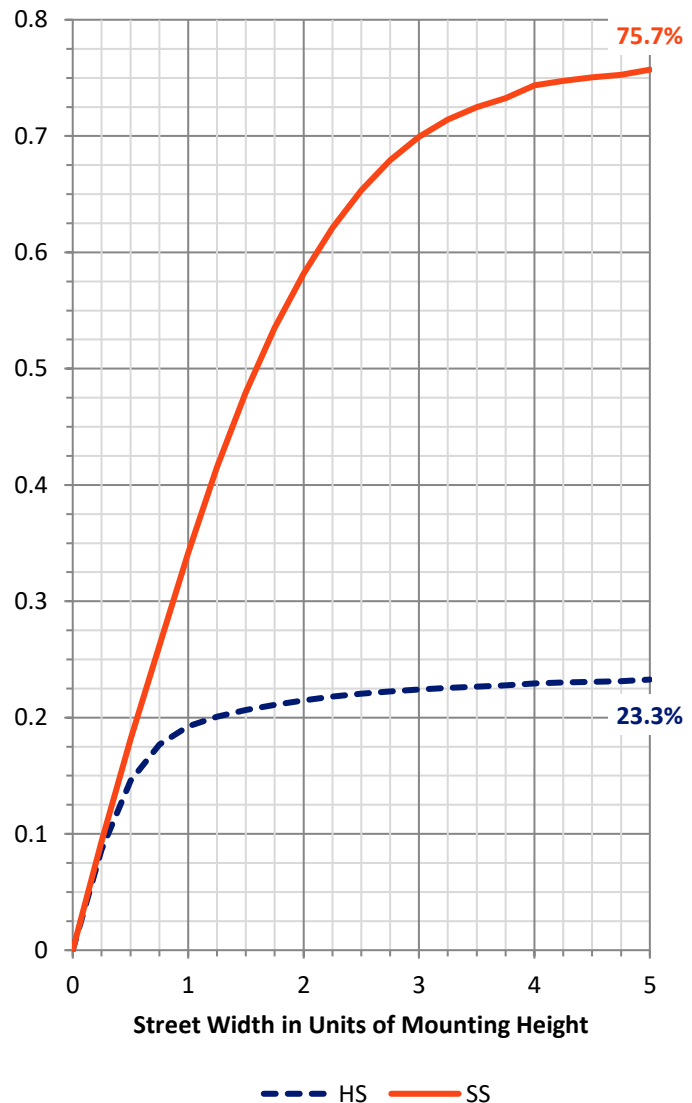
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1578.4	0.0	1578.4
	% Fixture	23.9	0.0	23.9
Street Side	Lumens	5021.8	0.0	5021.8
	% Fixture	76.1	0.0	76.1
Total	Lumens	6600.2	0.0	6600.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	70.8	1.1
10°-20°	235.3	3.6
20°-30°	403.0	6.1
30°-40°	563.8	8.5
40°-50°	786.2	11.9
50°-60°	1175.1	17.8
60°-70°	1694.2	25.7
70°-80°	1442.1	21.8
80°-90°	229.7	3.5
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°	6600.2	100.0
0°-180°	6600.2	100.0

Coefficient of Utilization



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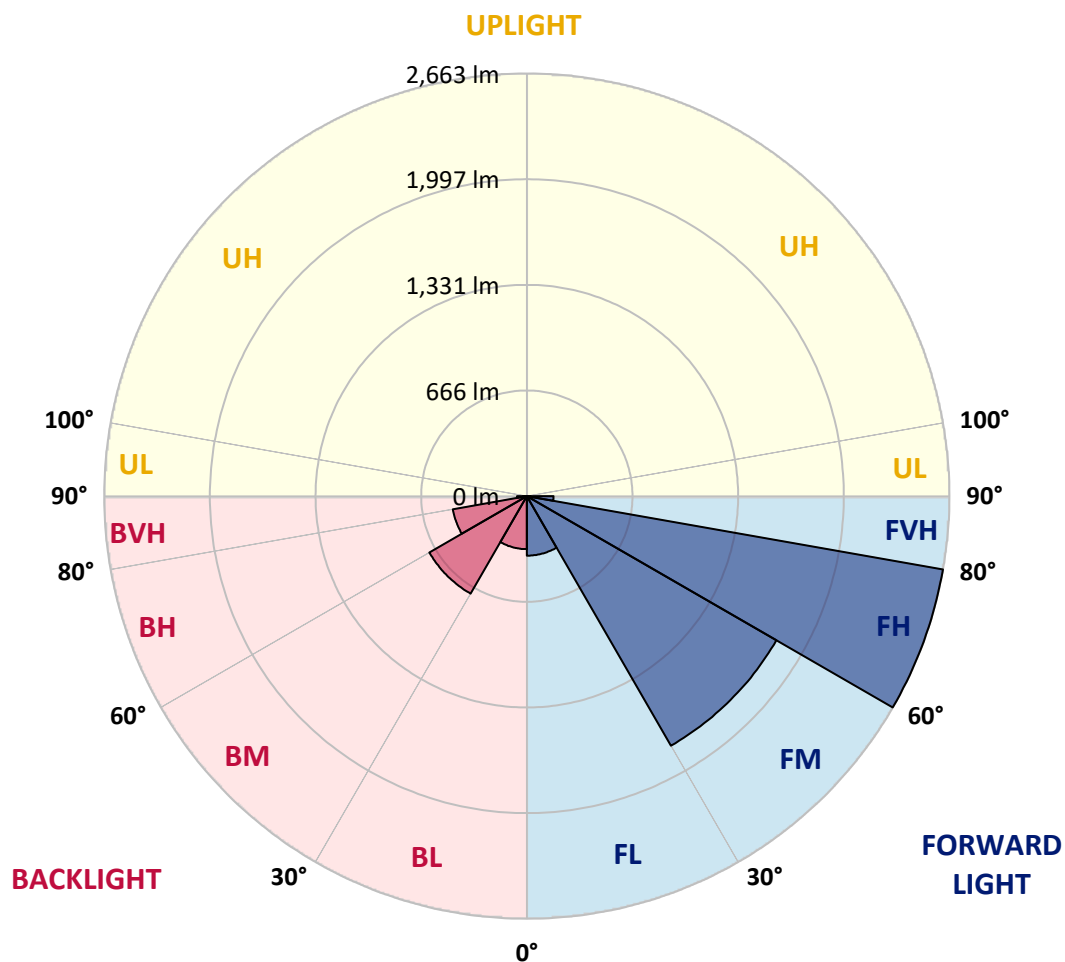
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	375.0	5.7			
FM	(30°-60°)	1815.7	27.5			
FH	(60°-80°)	2662.8	40.3			G2/5000
FVH	(80°-90°)	168.3	2.6			G2/225
BL	(0°-30°)	334.1	5.1	B1/500		
BM	(30°-60°)	709.4	10.7	B1/1000		
BH	(60°-80°)	473.5	7.2	B1/500		G1/500
BVH	(80°-90°)	61.4	0.9			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	700.8	700.8	700.8	700.8	700.8	700.8	700.8	700.8	700.8	700.8	700.8
2.5°	751.4	753.8	753.8	749.0	744.2	734.5	734.5	724.9	720.1	708.0	703.2
5°	821.2	814.0	806.8	804.4	792.3	775.5	773.0	763.4	736.9	724.9	708.0
7.5°	871.8	869.4	867.0	857.3	835.7	809.2	801.9	787.5	761.0	736.9	717.7
10°	912.7	922.4	912.7	891.1	869.4	840.5	838.1	811.6	787.5	758.6	734.5
12.5°	958.5	960.9	944.0	917.5	883.8	859.7	850.1	840.5	814.0	789.9	753.8
15°	989.8	985.0	972.9	936.8	898.3	874.2	876.6	864.6	835.7	818.8	780.3
17.5°	989.8	989.8	970.5	944.0	910.3	888.6	888.6	881.4	862.2	838.1	811.6
20°	970.5	970.5	958.5	944.0	905.5	900.7	895.9	891.1	891.1	869.4	830.8
22.5°	946.4	941.6	946.4	922.4	895.9	900.7	907.9	905.5	898.3	879.0	852.5
25°	922.4	924.8	929.6	912.7	888.6	910.3	907.9	920.0	915.1	900.7	879.0
27.5°	920.0	924.8	927.2	910.3	900.7	920.0	929.6	941.6	944.0	929.6	903.1
30°	956.1	953.7	951.3	929.6	922.4	939.2	948.9	965.7	980.2	948.9	927.2
32.5°	1050.0	1035.5	1021.1	963.3	941.6	953.7	963.3	987.4	989.8	972.9	941.6
35°	1199.3	1189.7	1141.5	1040.4	980.2	968.1	977.8	994.6	999.4	987.4	963.3
37.5°	1370.3	1365.5	1298.0	1175.2	1059.6	1001.8	992.2	1016.3	1035.5	1009.1	975.3
40°	1538.9	1519.6	1471.4	1351.0	1160.8	1052.4	1040.4	1052.4	1059.6	1040.4	1018.7
42.5°	1690.6	1668.9	1656.9	1536.5	1293.2	1136.7	1127.1	1098.2	1119.8	1095.8	1066.9
45°	1818.2	1813.4	1808.6	1705.0	1445.0	1274.0	1266.7	1192.1	1216.2	1196.9	1156.0
47.5°	1909.7	1931.4	1924.2	1866.4	1618.3	1420.9	1399.2	1302.9	1339.0	1319.7	1278.8
50°	2018.1	2030.2	2022.9	1984.4	1779.7	1589.4	1548.5	1449.8	1490.7	1488.3	1466.6
52.5°	2114.4	2150.6	2109.6	2107.2	2010.9	1772.5	1702.6	1608.7	1676.1	1702.6	1700.2
55°	2227.6	2256.5	2244.5	2239.7	2218.0	1950.7	1888.1	1774.9	1888.1	1926.6	1960.3
57.5°	2324.0	2321.6	2367.3	2422.7	2449.2	2155.4	2080.7	1948.3	2119.3	2162.6	2256.5
60°	2367.3	2408.3	2485.3	2625.0	2699.7	2374.5	2297.5	2191.5	2352.9	2386.6	2560.0
62.5°	2396.2	2432.3	2581.6	2817.7	2861.0	2598.5	2526.3	2420.3	2608.1	2632.2	2889.9
65°	2316.7	2350.5	2646.7	2889.9	3044.0	2839.3	2822.5	2711.7	2863.4	2877.9	3236.7
67.5°	2225.2	2261.4	2591.3	2981.4	3287.3	3159.6	3133.1	3000.7	3116.3	3099.4	3501.6
70°	2063.9	2112.0	2449.2	3060.9	3557.0	3607.6	3554.6	3366.7	3378.8	3219.8	3513.6
72.5°	1572.6	1603.9	1917.0	2745.4	3682.2	4228.9	4137.4	3761.7	3624.4	3243.9	3101.8
75°	746.6	804.4	1069.3	1815.8	3227.1	4257.8	4318.0	3956.8	3494.4	2877.9	2198.7
77.5°	216.7	216.7	325.1	770.6	2022.9	3431.8	3544.9	3359.5	2882.7	2131.3	1156.0
80°	118.0	125.2	171.0	272.1	888.6	2165.0	2328.8	2227.6	1697.8	842.9	298.6
82.5°	67.4	69.8	113.2	163.8	404.6	1177.6	1274.0	1156.0	645.4	255.3	139.7
85°	38.5	40.9	65.0	108.4	240.8	433.5	472.0	409.4	260.1	171.0	69.8
87.5°	19.3	19.3	31.3	50.6	122.8	122.8	120.4	146.9	156.5	103.6	31.3
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°	700.8	700.8	700.8	700.8	700.8	700.8	700.8	700.8	700.8	700.8	700.8
2.5°	700.8	698.4	698.4	688.8	686.4	679.1	679.1	674.3	671.9	679.1	679.1
5°	703.2	691.2	688.8	679.1	681.5	676.7	686.4	681.5	679.1	679.1	676.7
7.5°	708.0	696.0	686.4	679.1	676.7	683.9	696.0	696.0	710.4	703.2	703.2
10°	720.1	712.8	700.8	696.0	696.0	703.2	717.7	727.3	739.3	739.3	732.1
12.5°	749.0	736.9	722.5	715.3	724.9	732.1	746.6	756.2	770.6	775.5	770.6
15°	770.6	758.6	753.8	749.0	756.2	765.8	777.9	787.5	804.4	809.2	806.8
17.5°	799.5	785.1	782.7	785.1	789.9	797.1	804.4	811.6	823.6	823.6	823.6
20°	814.0	809.2	806.8	814.0	823.6	833.3	828.4	823.6	821.2	826.0	823.6
22.5°	840.5	835.7	838.1	845.3	845.3	840.5	833.3	816.4	811.6	816.4	811.6
25°	864.6	859.7	859.7	854.9	852.5	835.7	821.2	806.8	789.9	797.1	794.7
27.5°	888.6	886.2	886.2	867.0	842.9	814.0	794.7	777.9	768.2	780.3	773.0
30°	917.5	920.0	907.9	862.2	804.4	773.0	751.4	749.0	746.6	753.8	751.4
32.5°	944.0	946.4	927.2	854.9	775.5	715.3	693.6	696.0	708.0	720.1	732.1
35°	958.5	970.5	946.4	830.8	717.7	650.2	626.1	647.8	669.5	686.4	698.4
37.5°	985.0	1016.3	975.3	804.4	667.1	592.4	575.6	582.8	609.3	635.8	647.8
40°	1023.5	1059.6	982.6	753.8	599.7	534.6	525.0	527.4	537.0	553.9	565.9
42.5°	1090.9	1129.5	989.8	688.8	532.2	498.5	472.0	464.8	457.6	457.6	455.2
45°	1189.7	1225.8	980.2	606.9	464.8	440.7	421.4	404.6	385.3	354.0	358.8
47.5°	1334.2	1363.1	987.4	534.6	402.2	382.9	368.5	349.2	320.3	286.6	284.2
50°	1553.3	1510.0	977.8	460.0	356.4	339.6	327.5	301.0	267.3	243.2	240.8
52.5°	1808.6	1721.9	968.1	397.4	317.9	303.4	293.8	264.9	233.6	221.6	219.2
55°	2116.9	1991.6	982.6	342.0	289.0	276.9	267.3	240.8	216.7	207.1	204.7
57.5°	2480.5	2283.0	1062.0	298.6	257.7	252.9	250.5	228.8	207.1	199.9	197.5
60°	2822.5	2562.4	1115.0	267.3	228.8	233.6	238.4	228.8	204.7	199.9	199.9
62.5°	3109.1	2793.6	1030.7	240.8	214.3	228.8	250.5	243.2	233.6	238.4	233.6
65°	3361.9	2873.0	770.6	226.4	207.1	240.8	276.9	274.5	252.9	257.7	255.3
67.5°	3405.3	2776.7	503.3	214.3	202.3	264.9	310.7	281.8	238.4	238.4	231.2
70°	3224.7	2519.0	337.2	202.3	199.9	264.9	317.9	264.9	224.0	224.0	214.3
72.5°	2646.7	2013.3	260.1	190.3	183.0	236.0	301.0	250.5	209.5	204.7	187.8
75°	1738.8	1298.0	211.9	180.6	158.9	207.1	272.1	231.2	199.9	185.4	178.2
77.5°	852.5	582.8	178.2	158.9	137.3	180.6	248.1	219.2	187.8	173.4	168.6
80°	233.6	209.5	149.3	139.7	115.6	156.5	233.6	209.5	175.8	161.4	154.1
82.5°	132.5	130.0	120.4	113.2	96.3	156.5	236.0	209.5	166.2	163.8	139.7
85°	72.2	77.1	86.7	84.3	74.7	139.7	224.0	183.0	134.9	113.2	113.2
87.5°	28.9	36.1	43.3	48.2	50.6	103.6	168.6	139.7	103.6	86.7	86.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)