

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: P670851

Luminaire Tested: **CCP-SA-1E-827-U-T3**

Issue Date: 04/16/2023

Test Information

Test Method: LM-79-08
Report Number: P670851
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1E-827-U-T3
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @1050mA w/ T3
distribution lens
Light Source: (16) 2700K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5078 lumens
Efficiency: N/A
Efficacy: 90.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G1

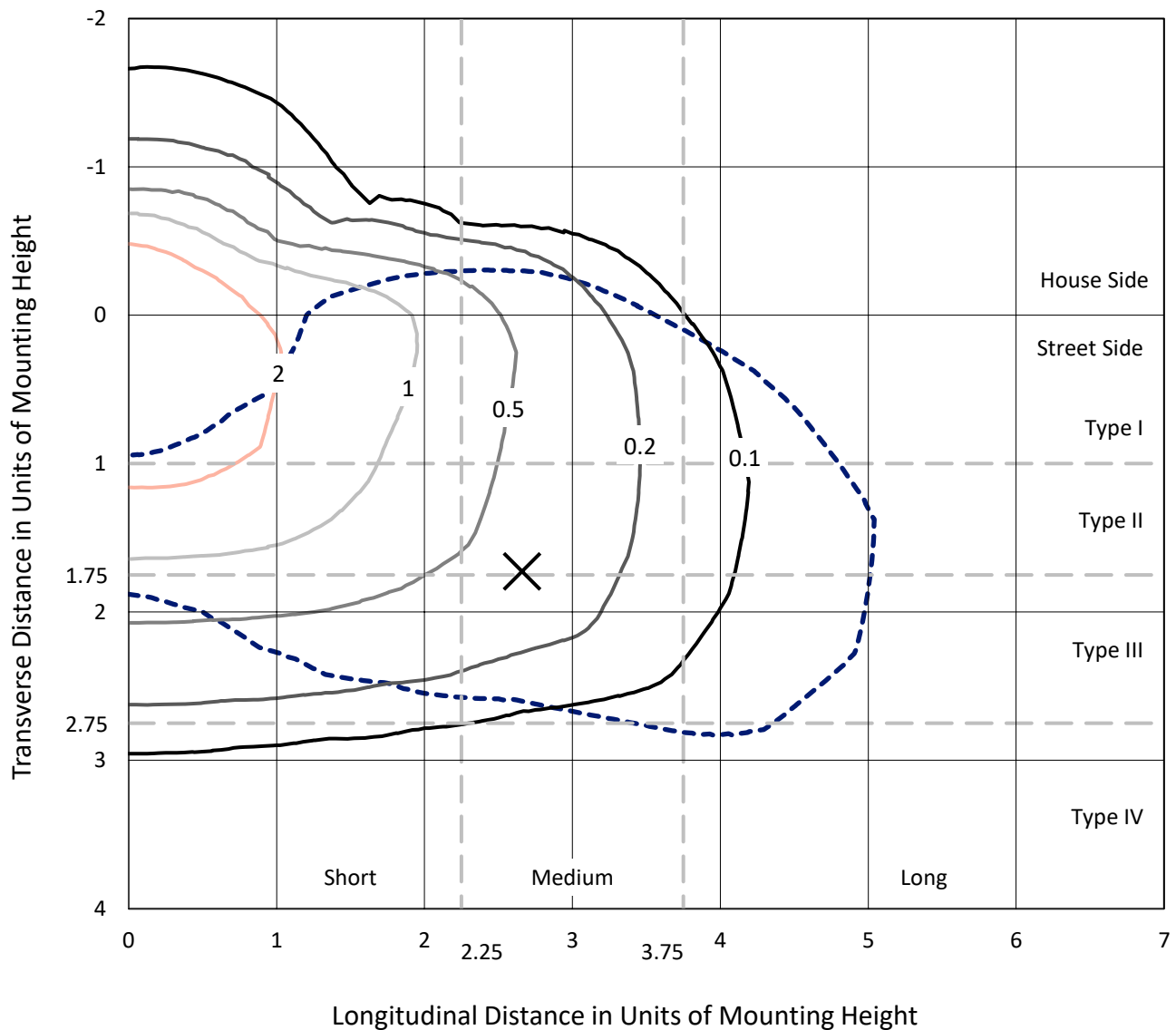
Input Watts (W): 56.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Iso-Footcandle Lines of Horizontal Illumination

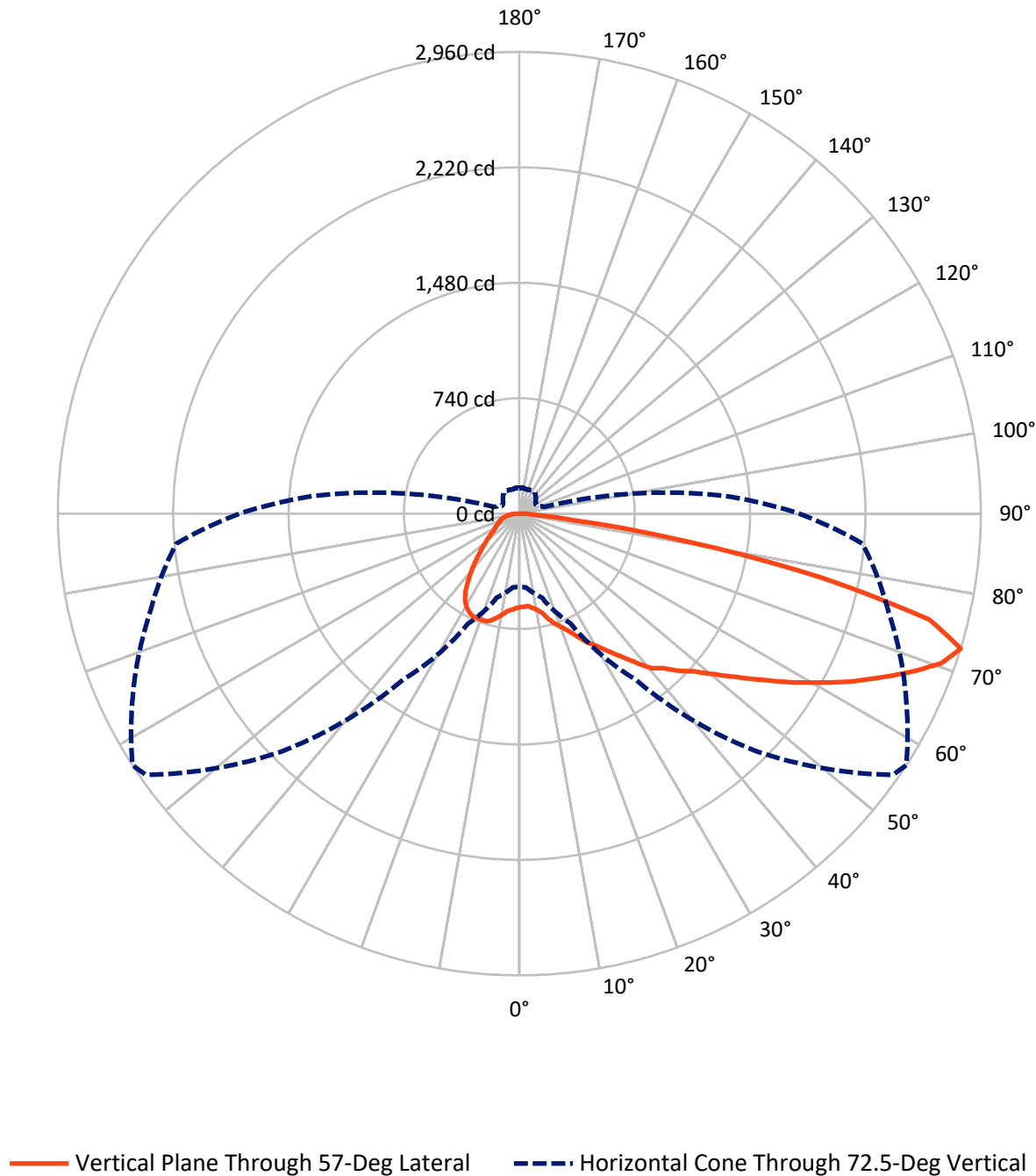
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 3.1 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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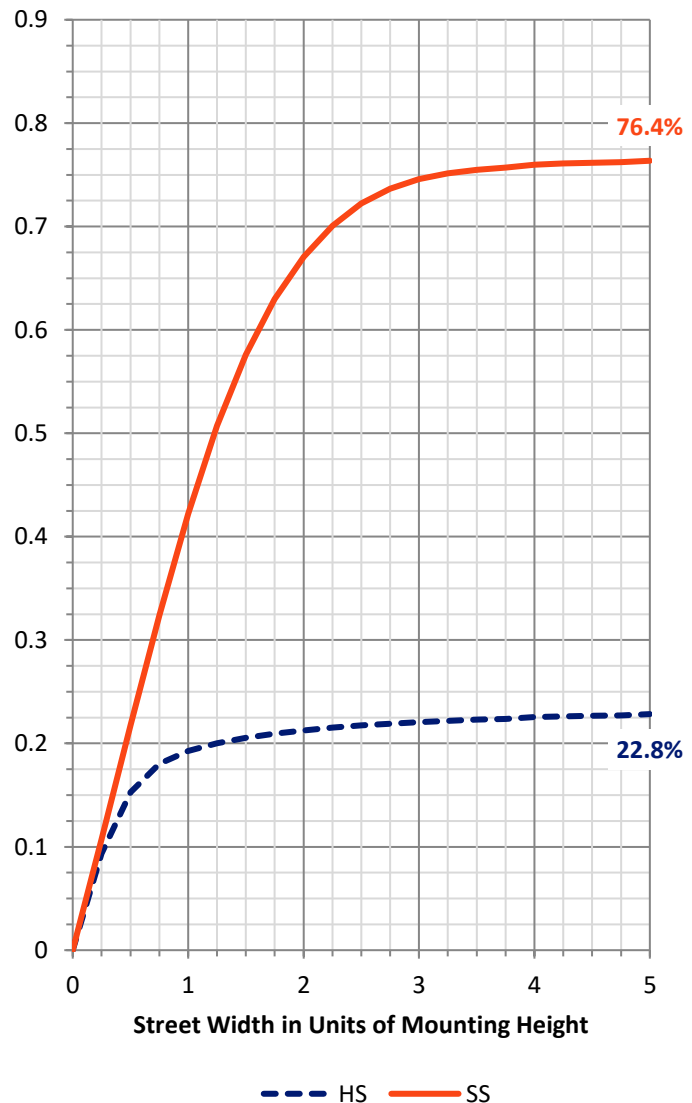
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1185.9	0.0	1185.9
	% Fixture	23.4	0.0	23.4
Street Side	Lumens	3892.2	0.0	3892.2
	% Fixture	76.6	0.0	76.6
Total	Lumens	5078.0	0.0	5078.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	59.5	1.2
10°-20°	200.5	3.9
20°-30°	366.5	7.2
30°-40°	537.8	10.6
40°-50°	740.4	14.6
50°-60°	1015.3	20.0
60°-70°	1223.9	24.1
70°-80°	815.3	16.1
80°-90°	118.7	2.3
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°	5078.0	100.0
0°-180°	5078.0	100.0

Coefficient of Utilization



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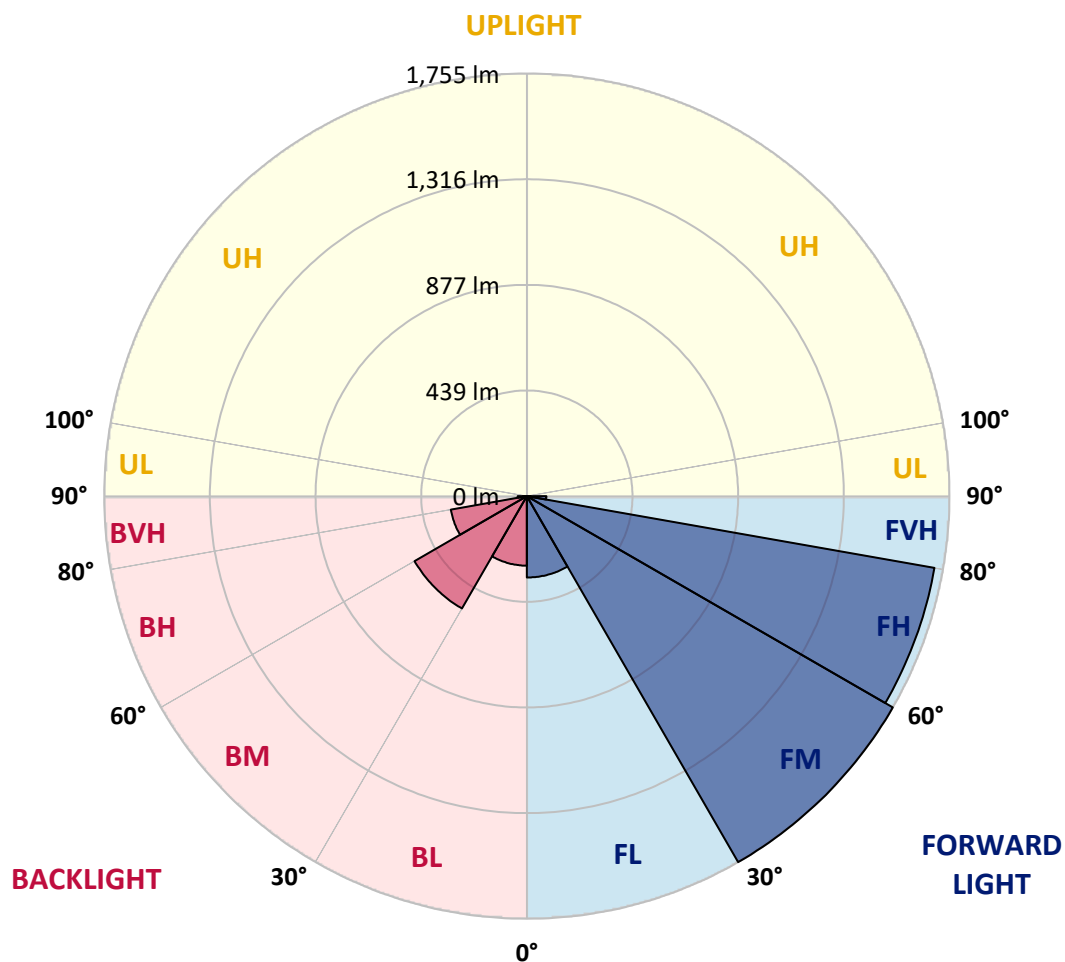
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	337.8	6.7			
FM	(30°-60°)	1754.9	34.6			
FH	(60°-80°)	1718.6	33.8			G1/1800
FVH	(80°-90°)	80.9	1.6			G1/100
BL	(0°-30°)	288.7	5.7	B1/500		
BM	(30°-60°)	538.6	10.6	B1/1000		
BH	(60°-80°)	320.6	6.3	B1/500		G1/500
BVH	(80°-90°)	37.9	0.7			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	599.4	599.4	599.4	599.4	599.4	599.4	599.4	599.4	599.4	599.4	599.4
2.5°	588.3	590.1	593.8	592.0	592.0	586.4	595.7	597.5	593.8	595.7	599.4
5°	588.3	592.0	597.5	593.8	595.7	593.8	590.1	595.7	595.7	597.5	603.1
7.5°	619.7	617.9	617.9	612.3	610.5	608.6	610.5	610.5	606.8	608.6	608.6
10°	654.9	654.9	651.2	651.2	647.5	638.2	629.0	627.1	621.6	623.4	623.4
12.5°	691.9	695.6	699.3	688.2	684.5	669.7	664.1	653.0	653.0	649.3	647.5
15°	738.1	732.6	736.3	732.6	723.3	708.5	699.3	701.1	688.2	684.5	678.9
17.5°	778.8	780.7	775.1	771.4	754.8	743.7	745.5	743.7	727.0	721.5	712.2
20°	826.9	825.1	825.1	814.0	799.2	784.4	778.8	777.0	780.7	769.6	747.4
22.5°	876.9	869.5	869.5	860.2	839.9	830.6	826.9	819.5	823.2	814.0	780.7
25°	917.6	917.6	930.5	912.0	900.9	882.4	875.0	876.9	878.7	860.2	821.4
27.5°	971.2	962.0	974.9	965.7	960.1	939.8	930.5	936.1	932.4	912.0	858.4
30°	1039.7	1041.5	1034.1	1021.2	1013.8	999.0	993.4	987.9	993.4	967.5	899.1
32.5°	1124.8	1130.3	1111.8	1097.0	1084.1	1069.3	1058.2	1052.6	1058.2	1019.3	930.5
35°	1222.8	1228.4	1213.6	1196.9	1182.1	1145.1	1135.9	1126.6	1106.3	1043.4	960.1
37.5°	1313.4	1306.0	1302.3	1302.3	1274.6	1221.0	1215.4	1209.9	1171.0	1091.5	1000.8
40°	1374.5	1383.7	1380.0	1376.3	1372.6	1322.7	1311.6	1302.3	1237.6	1163.6	1058.2
42.5°	1442.9	1437.4	1452.2	1457.7	1444.8	1430.0	1385.6	1354.1	1296.8	1237.6	1143.3
45°	1524.3	1520.6	1526.2	1546.5	1528.0	1533.6	1459.6	1437.4	1365.2	1330.1	1250.6
47.5°	1596.5	1605.7	1633.5	1639.0	1624.2	1650.1	1546.5	1511.4	1465.1	1437.4	1361.5
50°	1627.9	1639.0	1701.9	1740.8	1742.6	1783.3	1633.5	1618.7	1555.8	1566.9	1500.3
52.5°	1602.0	1637.2	1713.0	1814.8	1877.7	1918.4	1748.2	1740.8	1683.4	1718.6	1652.0
55°	1626.1	1659.4	1709.3	1851.8	2010.9	2020.1	1907.3	1879.5	1822.2	1870.3	1809.2
57.5°	1637.2	1618.7	1713.0	1892.5	2108.9	2133.0	2059.0	2038.6	1994.2	2040.5	2005.3
60°	1550.2	1572.4	1661.2	1881.4	2114.5	2253.2	2229.2	2199.6	2158.9	2201.4	2181.1
62.5°	1452.2	1467.0	1563.2	1814.8	2145.9	2340.2	2393.8	2371.6	2314.3	2351.3	2386.4
65°	1328.2	1330.1	1437.4	1696.4	2084.9	2390.1	2538.1	2536.3	2495.6	2486.3	2541.8
67.5°	1176.6	1191.4	1276.5	1570.6	2001.6	2445.6	2680.5	2708.3	2626.9	2554.8	2575.1
70°	902.8	917.6	999.0	1287.6	1831.4	2429.0	2856.3	2871.1	2712.0	2528.9	2477.1
72.5°	469.9	473.6	556.8	777.0	1298.7	2157.0	2921.0	2959.9	2734.2	2453.0	2208.8
75°	155.4	155.4	190.5	296.0	612.3	1380.0	2645.4	2715.7	2625.0	2264.3	1807.4
77.5°	92.5	94.3	112.8	148.0	244.2	551.3	1864.7	1988.7	2147.8	1925.8	1320.8
80°	66.6	68.4	85.1	101.7	146.1	177.6	936.1	1108.1	1319.0	1239.5	704.8
82.5°	49.9	49.9	66.6	75.8	99.9	105.4	260.8	357.0	569.8	444.0	194.2
85°	51.8	51.8	51.8	53.6	68.4	61.0	109.1	116.5	166.5	146.1	53.6
87.5°	18.5	20.3	51.8	35.1	35.1	25.9	42.5	46.2	59.2	61.0	20.3
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°	599.4	599.4	599.4	599.4	599.4	599.4	599.4	599.4	599.4	599.4	599.4
2.5°	601.2	601.2	603.1	603.1	606.8	610.5	616.0	612.3	612.3	614.2	612.3
5°	599.4	601.2	606.8	616.0	619.7	621.6	632.7	632.7	632.7	636.4	636.4
7.5°	606.8	610.5	619.7	629.0	630.8	636.4	651.2	654.9	664.1	667.8	669.7
10°	625.3	630.8	638.2	649.3	656.7	664.1	675.2	688.2	686.3	697.4	699.3
12.5°	653.0	651.2	664.1	675.2	682.6	693.7	697.4	697.4	697.4	697.4	701.1
15°	675.2	678.9	690.0	697.4	706.7	704.8	697.4	690.0	691.9	690.0	690.0
17.5°	708.5	708.5	717.8	719.6	723.3	704.8	693.7	693.7	699.3	699.3	695.6
20°	741.8	740.0	743.7	741.8	717.8	695.6	693.7	695.6	697.4	695.6	693.7
22.5°	773.3	769.6	764.0	756.6	714.1	693.7	690.0	680.8	671.5	671.5	666.0
25°	801.0	797.3	782.5	760.3	712.2	682.6	664.1	641.9	630.8	625.3	632.7
27.5°	826.9	819.5	799.2	760.3	695.6	653.0	617.9	590.1	580.9	573.5	580.9
30°	862.1	849.1	821.4	754.8	669.7	606.8	558.7	525.4	516.1	505.0	508.7
32.5°	893.5	863.9	839.9	738.1	636.4	555.0	499.5	466.2	449.5	440.3	447.7
35°	926.8	897.2	847.3	712.2	584.6	492.1	436.6	405.1	392.2	379.2	379.2
37.5°	960.1	943.5	858.4	664.1	521.7	432.9	382.9	358.9	336.7	312.6	312.6
40°	1030.4	1008.2	871.3	608.6	458.8	375.5	340.4	308.9	286.7	253.4	251.6
42.5°	1104.4	1056.3	871.3	542.0	403.3	334.8	301.5	268.2	227.5	207.2	209.0
45°	1198.8	1143.3	847.3	482.8	347.8	301.5	264.5	222.0	203.5	190.5	190.5
47.5°	1317.1	1230.2	817.7	418.1	303.4	271.9	225.7	199.8	186.8	175.7	173.9
50°	1457.7	1309.7	780.7	362.6	266.4	244.2	205.3	185.0	173.9	166.5	166.5
52.5°	1605.7	1426.3	754.8	312.6	236.8	207.2	190.5	177.6	168.3	162.8	160.9
55°	1755.6	1542.8	736.3	259.0	209.0	190.5	186.8	175.7	172.0	166.5	162.8
57.5°	1923.9	1639.0	732.6	222.0	186.8	183.1	190.5	181.3	175.7	170.2	164.6
60°	2105.2	1768.5	699.3	192.4	175.7	179.4	185.0	175.7	172.0	166.5	162.8
62.5°	2284.7	1864.7	608.6	170.2	164.6	168.3	175.7	168.3	162.8	164.6	166.5
65°	2358.7	1872.1	471.7	153.5	151.7	153.5	164.6	162.8	157.2	168.3	168.3
67.5°	2284.7	1805.5	333.0	138.7	138.7	148.0	166.5	170.2	164.6	179.4	177.6
70°	2116.3	1640.9	225.7	129.5	133.2	157.2	172.0	168.3	160.9	179.4	175.7
72.5°	1796.3	1313.4	164.6	120.2	125.8	149.8	170.2	166.5	160.9	168.3	160.9
75°	1348.6	934.2	129.5	109.1	111.0	135.0	175.7	166.5	151.7	148.0	142.4
77.5°	900.9	577.2	99.9	96.2	96.2	118.4	168.3	155.4	136.9	131.3	129.5
80°	429.2	231.2	79.5	81.4	83.2	101.7	153.5	138.7	123.9	116.5	116.5
82.5°	136.9	86.9	66.6	66.6	66.6	83.2	127.6	116.5	107.3	101.7	92.5
85°	48.1	48.1	57.3	59.2	53.6	61.0	105.4	99.9	88.8	74.0	72.1
87.5°	18.5	27.7	38.8	46.2	33.3	42.5	75.8	70.3	64.7	48.1	46.2
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)