

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: P673245

Luminaire Tested: **CCP-SA-1F-730-U-T3-HSS**

Issue Date: 04/16/2023

Test Information

Test Method: LM-79-08
Report Number: P673245
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1F-730-U-T3-HSS
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @1200mA w/ T3
distribution lens and House Side Shield
Light Source: (16) 3000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4918.5 lumens
Efficiency: N/A
Efficacy: 73.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

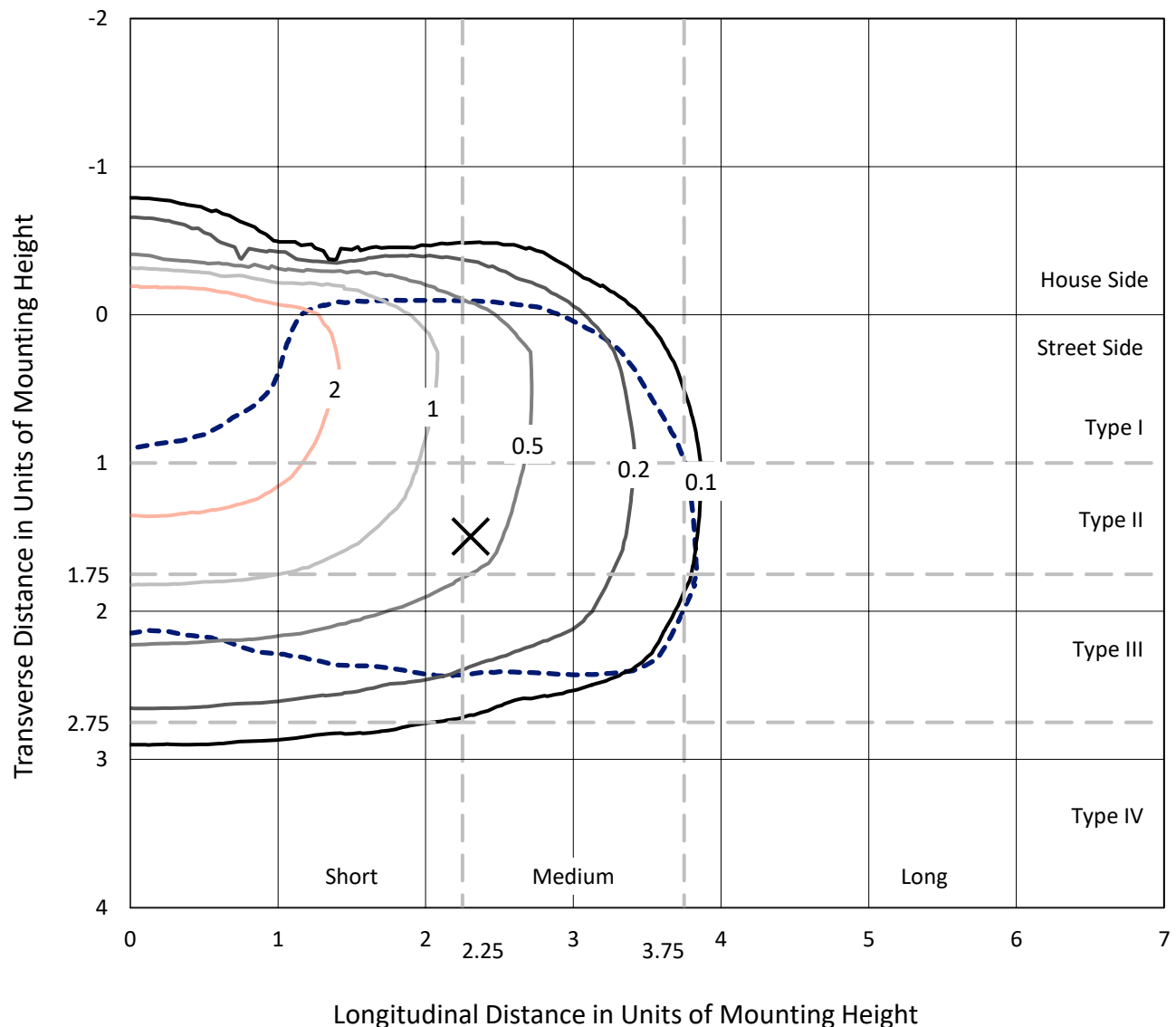
Input Watts (W): 67
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Iso-Footcandle Lines of Horizontal Illumination

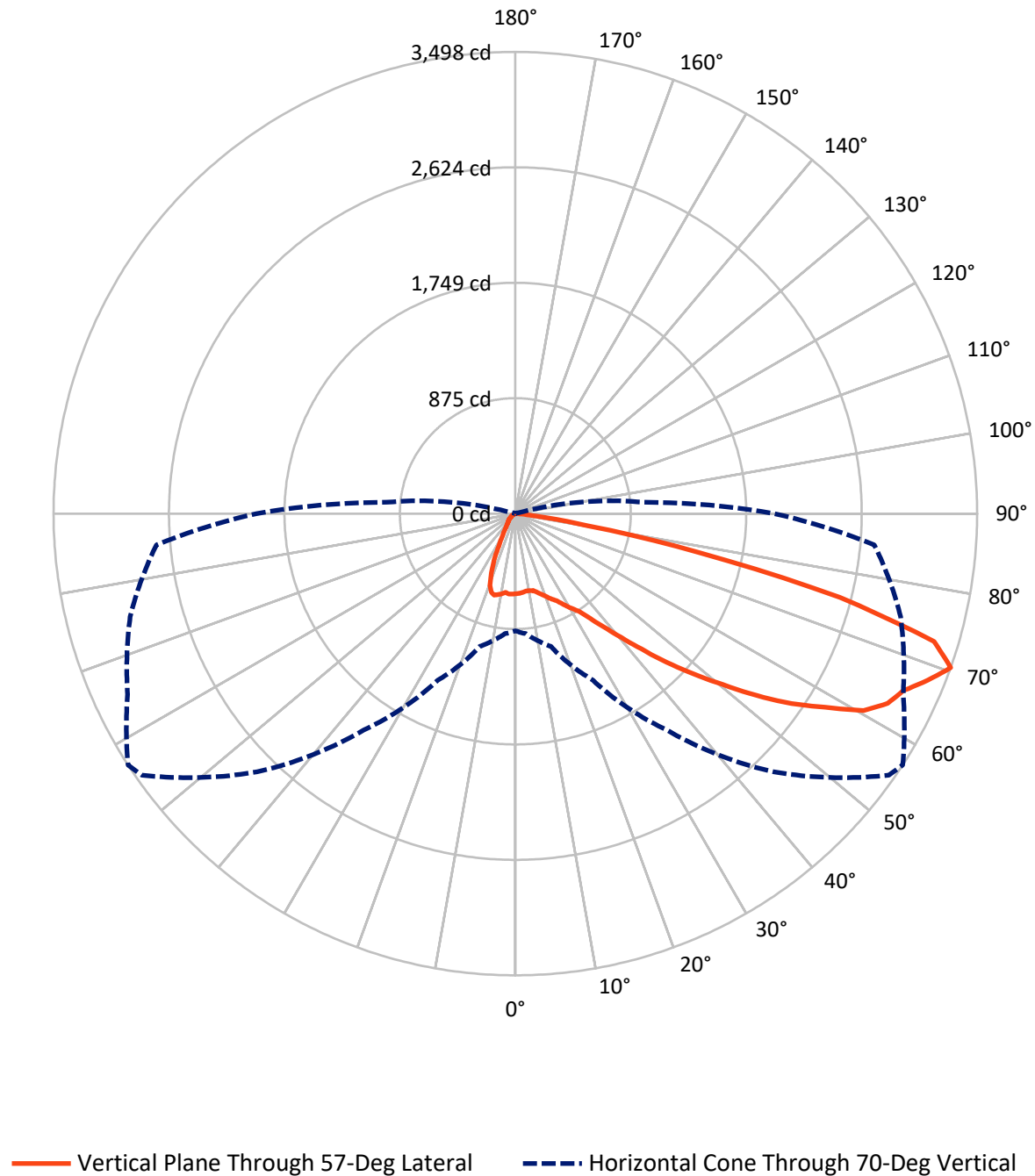
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 3.5 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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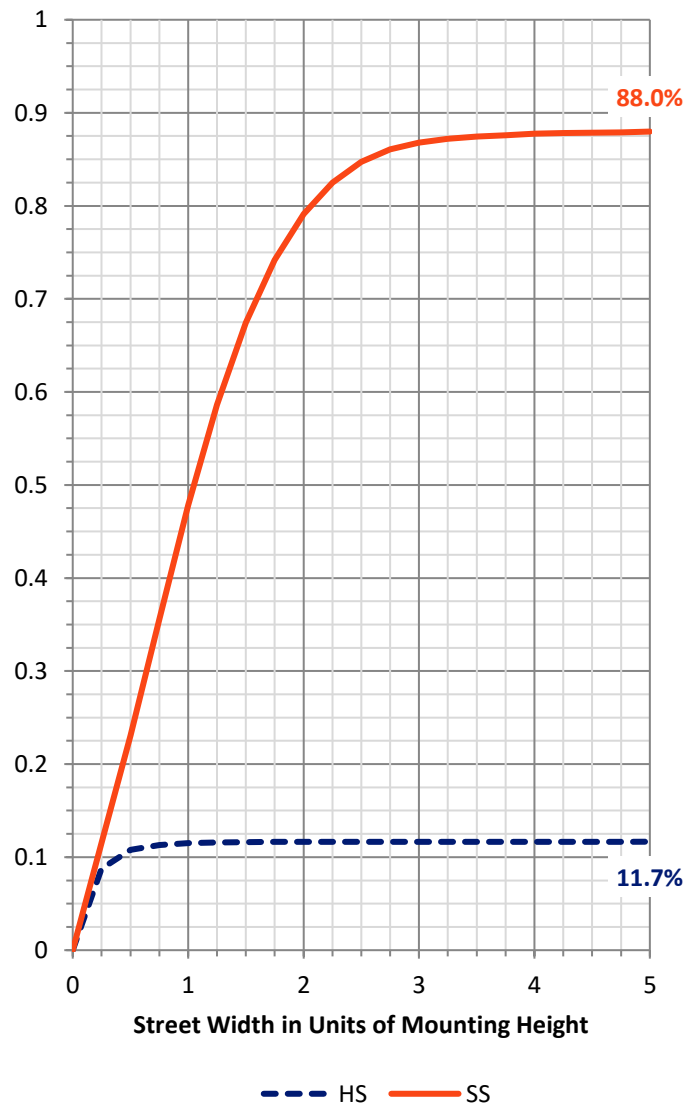
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	579.8	0.0	579.8
	% Fixture	11.8	0.0	11.8
Street Side	Lumens	4338.8	0.0	4338.8
	% Fixture	88.2	0.0	88.2
Total	Lumens	4918.5	0.0	4918.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	56.7	1.2
10°-20°	158.6	3.2
20°-30°	267.1	5.4
30°-40°	457.1	9.3
40°-50°	767.6	15.6
50°-60°	1178.2	24.0
60°-70°	1360.3	27.7
70°-80°	642.6	13.1
80°-90°	30.5	0.6
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°	4918.5	100.0
0°-180°	4918.5	100.0

Coefficient of Utilization



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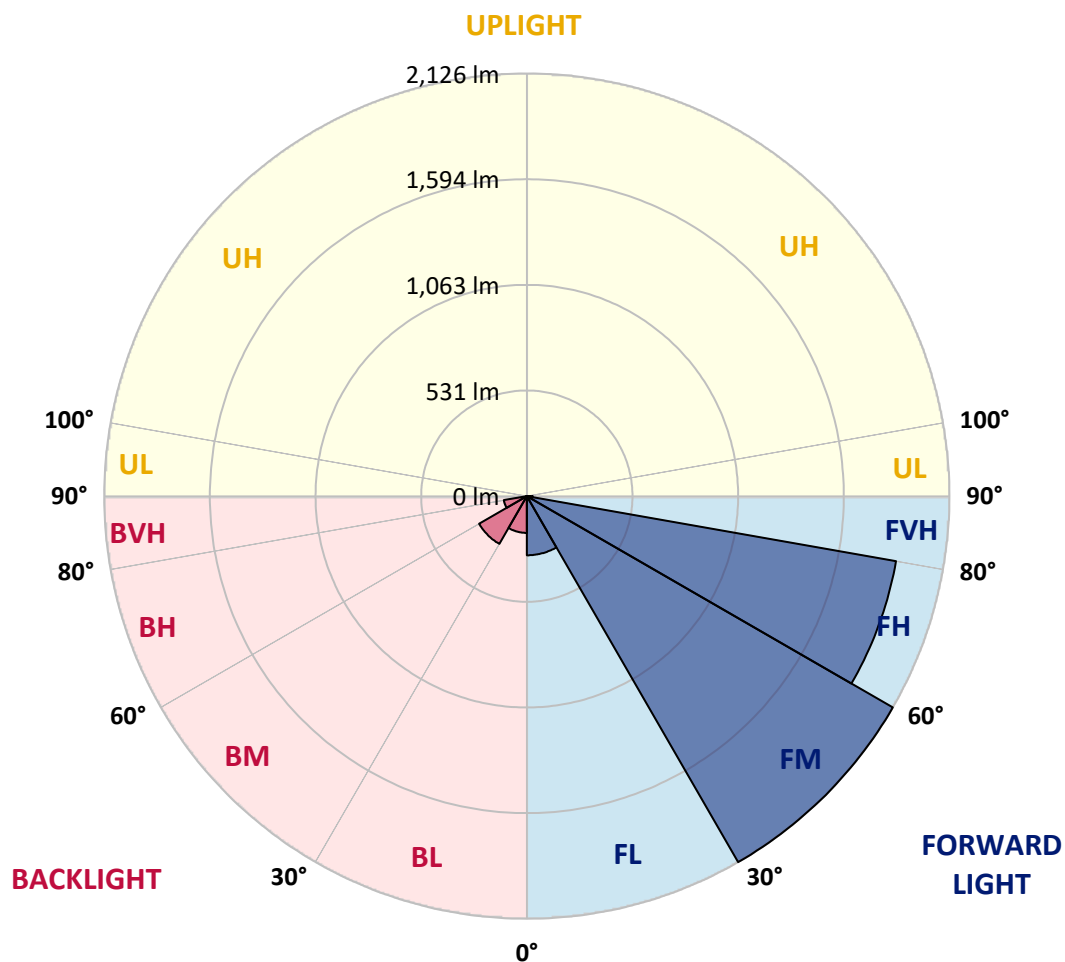
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	297.6	6.0			
FM	(30°-60°)	2125.7	43.2			
FH	(60°-80°)	1885.6	38.3			G2/5000
FVH	(80°-90°)	29.9	0.6			G1/100
BL	(0°-30°)	184.8	3.8	B1/500		
BM	(30°-60°)	277.1	5.6	B1/1000		
BH	(60°-80°)	117.3	2.4	B1/500		G1/500
BVH	(80°-90°)	0.5	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	606.9	606.9	606.9	606.9	606.9	606.9	606.9	606.9	606.9	606.9	606.9
2.5°	598.1	594.3	598.1	603.1	598.1	601.9	600.6	604.4	599.3	599.3	603.1
5°	559.1	565.4	567.9	574.2	580.5	591.8	599.3	599.3	606.9	610.7	615.7
7.5°	545.3	535.3	545.3	550.3	556.6	575.5	586.8	591.8	601.9	615.7	623.2
10°	525.2	532.7	532.7	549.1	557.9	569.2	589.3	593.1	615.7	629.5	637.0
12.5°	524.0	524.0	530.2	541.5	559.1	580.5	605.6	598.1	622.0	647.1	659.7
15°	527.7	536.5	536.5	551.6	565.4	595.6	616.9	618.2	652.1	677.2	688.6
17.5°	544.1	540.3	545.3	554.1	575.5	604.4	639.6	643.3	682.3	716.2	732.5
20°	578.0	584.3	576.7	571.7	580.5	618.2	663.4	671.0	714.9	747.6	763.9
22.5°	704.9	699.9	669.7	634.5	619.4	637.0	686.0	703.6	755.1	794.1	807.9
25°	848.1	839.3	804.1	751.4	682.3	674.7	731.3	731.3	805.4	848.1	844.4
27.5°	983.8	981.3	939.9	884.6	786.6	732.5	767.7	781.5	861.9	897.1	880.8
30°	1122.0	1124.6	1086.9	1020.3	917.2	825.5	819.2	830.5	904.7	960.0	926.0
32.5°	1282.9	1260.3	1233.9	1142.1	1047.9	944.9	885.8	880.8	952.4	1002.7	957.4
35°	1426.1	1412.3	1383.4	1300.5	1192.4	1069.3	986.3	973.8	1012.7	1079.3	1030.3
37.5°	1551.8	1537.9	1500.2	1445.0	1360.8	1223.8	1107.0	1088.1	1104.4	1174.8	1115.8
40°	1659.8	1663.6	1653.5	1599.5	1521.6	1397.2	1262.8	1232.6	1218.8	1281.6	1215.0
42.5°	1737.7	1774.2	1776.7	1710.1	1647.3	1579.4	1428.6	1404.7	1372.1	1424.9	1378.4
45°	1901.1	1881.0	1893.5	1869.6	1800.5	1790.5	1619.6	1605.8	1560.6	1578.1	1529.1
47.5°	2029.2	2025.5	2049.3	2010.4	1991.5	1992.8	1837.0	1813.1	1749.0	1781.7	1726.4
50°	2103.4	2083.3	2169.9	2200.1	2196.3	2211.4	2056.9	2036.8	1975.2	2022.9	1904.8
52.5°	2120.9	2157.4	2239.1	2348.4	2394.9	2426.3	2296.9	2289.3	2222.7	2252.9	2089.5
55°	2164.9	2200.1	2247.9	2427.5	2599.7	2607.2	2533.1	2540.6	2481.6	2474.0	2265.4
57.5°	2163.7	2156.1	2288.1	2496.6	2735.4	2843.4	2803.2	2766.8	2702.7	2628.6	2378.5
60°	2084.5	2080.7	2217.7	2505.4	2809.5	3057.0	3073.4	3030.6	2869.8	2760.5	2511.7
62.5°	1927.4	1942.5	2080.7	2430.0	2879.9	3133.7	3194.0	3165.1	2965.3	2848.4	2668.8
65°	1747.8	1716.4	1877.2	2241.6	2721.5	3111.1	3241.7	3231.7	3078.4	2943.9	2813.3
67.5°	1402.2	1416.1	1539.2	1928.7	2451.4	3028.1	3353.6	3368.6	3168.9	3028.1	2857.2
70°	888.3	913.5	1041.6	1393.4	2001.6	2766.8	3454.1	3498.1	3240.5	3020.6	2729.1
72.5°	258.8	268.9	443.5	694.8	1275.3	2219.0	3293.2	3315.9	3101.0	2741.6	2110.9
75°	85.4	90.5	130.7	226.2	500.1	1147.2	2432.6	2539.4	2467.7	1987.8	1207.5
77.5°	56.5	59.1	71.6	108.1	189.7	359.4	1304.2	1418.6	1390.9	931.1	389.5
80°	41.5	42.7	52.8	72.9	115.6	129.4	481.2	556.6	537.8	213.6	77.9
82.5°	26.4	26.4	39.0	51.5	72.9	64.1	139.5	154.5	150.8	81.7	30.2
85°	17.6	18.8	28.9	40.2	40.2	30.2	40.2	46.5	50.3	44.0	13.8
87.5°	5.0	6.3	16.3	27.6	16.3	15.1	13.8	15.1	17.6	23.9	7.5
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°	606.9	606.9	606.9	606.9	606.9	606.9	606.9	606.9	606.9	606.9	606.9
2.5°	606.9	611.9	610.7	613.2	609.4	605.6	609.4	609.4	609.4	605.6	603.1
5°	611.9	609.4	611.9	606.9	611.9	606.9	604.4	596.8	595.6	595.6	600.6
7.5°	619.4	622.0	610.7	610.7	599.3	601.9	595.6	596.8	594.3	590.5	588.0
10°	630.8	640.8	629.5	625.7	613.2	603.1	588.0	580.5	580.5	575.5	580.5
12.5°	662.2	658.4	652.1	639.6	624.5	604.4	567.9	531.5	501.3	478.7	490.0
15°	687.3	686.0	677.2	653.4	633.3	571.7	480.0	385.7	335.5	312.9	309.1
17.5°	726.2	722.5	707.4	676.0	609.4	473.7	329.2	250.0	201.0	189.7	186.0
20°	762.7	761.4	728.8	688.6	549.1	345.5	214.9	164.6	150.8	152.0	149.5
22.5°	801.6	795.4	756.4	673.5	437.3	229.9	153.3	147.0	142.0	140.7	143.2
25°	845.6	823.0	784.0	639.6	321.7	158.3	144.5	139.5	134.4	133.2	133.2
27.5°	863.2	848.1	796.6	557.9	203.6	138.2	135.7	129.4	123.1	119.4	118.1
30°	903.4	878.3	809.2	438.5	144.5	126.9	123.1	115.6	106.8	100.5	100.5
32.5°	943.6	913.5	810.4	306.6	120.6	114.3	108.1	98.0	86.7	80.4	81.7
35°	993.9	952.4	796.6	198.5	108.1	100.5	88.0	76.6	66.6	61.6	61.6
37.5°	1079.3	1040.4	740.1	130.7	98.0	85.4	72.9	60.3	51.5	47.7	47.7
40°	1187.4	1137.1	662.2	103.0	86.7	72.9	57.8	46.5	41.5	37.7	37.7
42.5°	1316.8	1254.0	546.6	91.7	76.6	60.3	45.2	36.4	31.4	31.4	30.2
45°	1446.2	1343.2	428.5	84.2	67.9	50.3	35.2	28.9	26.4	25.1	25.1
47.5°	1630.9	1451.2	306.6	76.6	59.1	39.0	28.9	23.9	21.4	20.1	21.4
50°	1808.1	1553.0	217.4	69.1	49.0	31.4	23.9	21.4	18.8	17.6	17.6
52.5°	1963.9	1623.4	152.0	60.3	41.5	26.4	21.4	18.8	17.6	16.3	16.3
55°	2049.3	1599.5	104.3	51.5	33.9	22.6	18.8	16.3	15.1	13.8	13.8
57.5°	2137.3	1532.9	79.2	42.7	27.6	21.4	17.6	15.1	13.8	12.6	12.6
60°	2211.4	1483.9	61.6	33.9	22.6	17.6	15.1	12.6	11.3	10.1	8.8
62.5°	2215.2	1385.9	45.2	25.1	17.6	15.1	12.6	10.1	6.3	5.0	3.8
65°	2230.3	1282.9	32.7	18.8	12.6	11.3	8.8	5.0	2.5	0.0	0.0
67.5°	2177.5	1161.0	26.4	13.8	8.8	6.3	3.8	1.3	0.0	0.0	0.0
70°	1962.6	980.1	20.1	10.1	6.3	3.8	1.3	0.0	0.0	0.0	0.0
72.5°	1404.7	637.0	13.8	7.5	2.5	1.3	0.0	0.0	0.0	0.0	0.0
75°	748.9	271.4	10.1	5.0	1.3	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	235.0	69.1	6.3	2.5	1.3	0.0	0.0	0.0	0.0	0.0	0.0
80°	51.5	18.8	3.8	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	17.6	7.5	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	6.3	2.5	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	2.5	1.3	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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)