

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: P671526

Luminaire Tested: **CCP-SA-1D-735-U-SL4**

Issue Date: 04/16/2023

Test Information

Test Method: LM-79-08
Report Number: P671526
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1D-735-U-SL4
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @800mA w/ SL4
distribution lens
Light Source: (16) 3500K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5390 lumens
Efficiency: N/A
Efficacy: 122.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

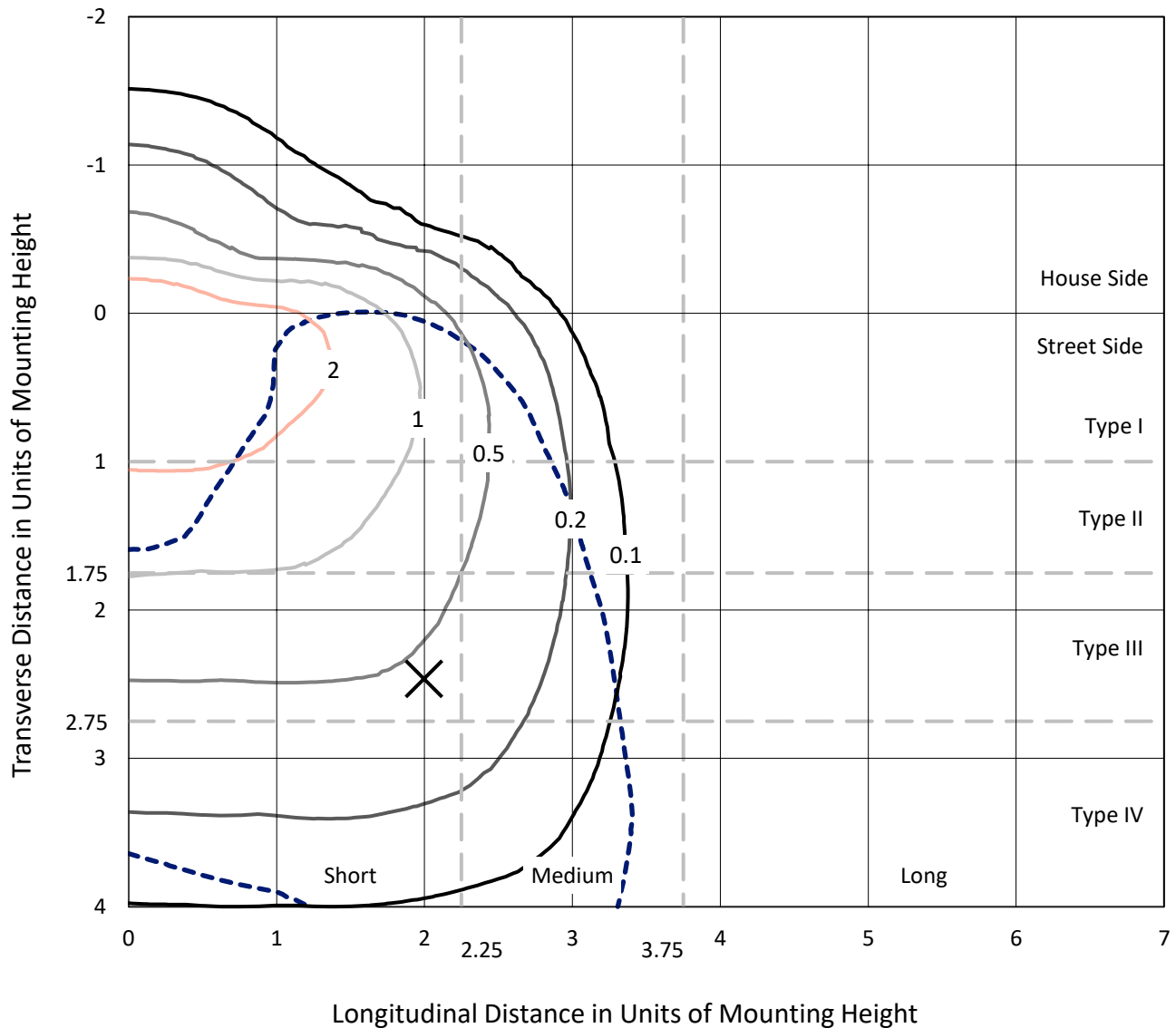
Input Watts (W): 44
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Iso-Footcandle Lines of Horizontal Illumination

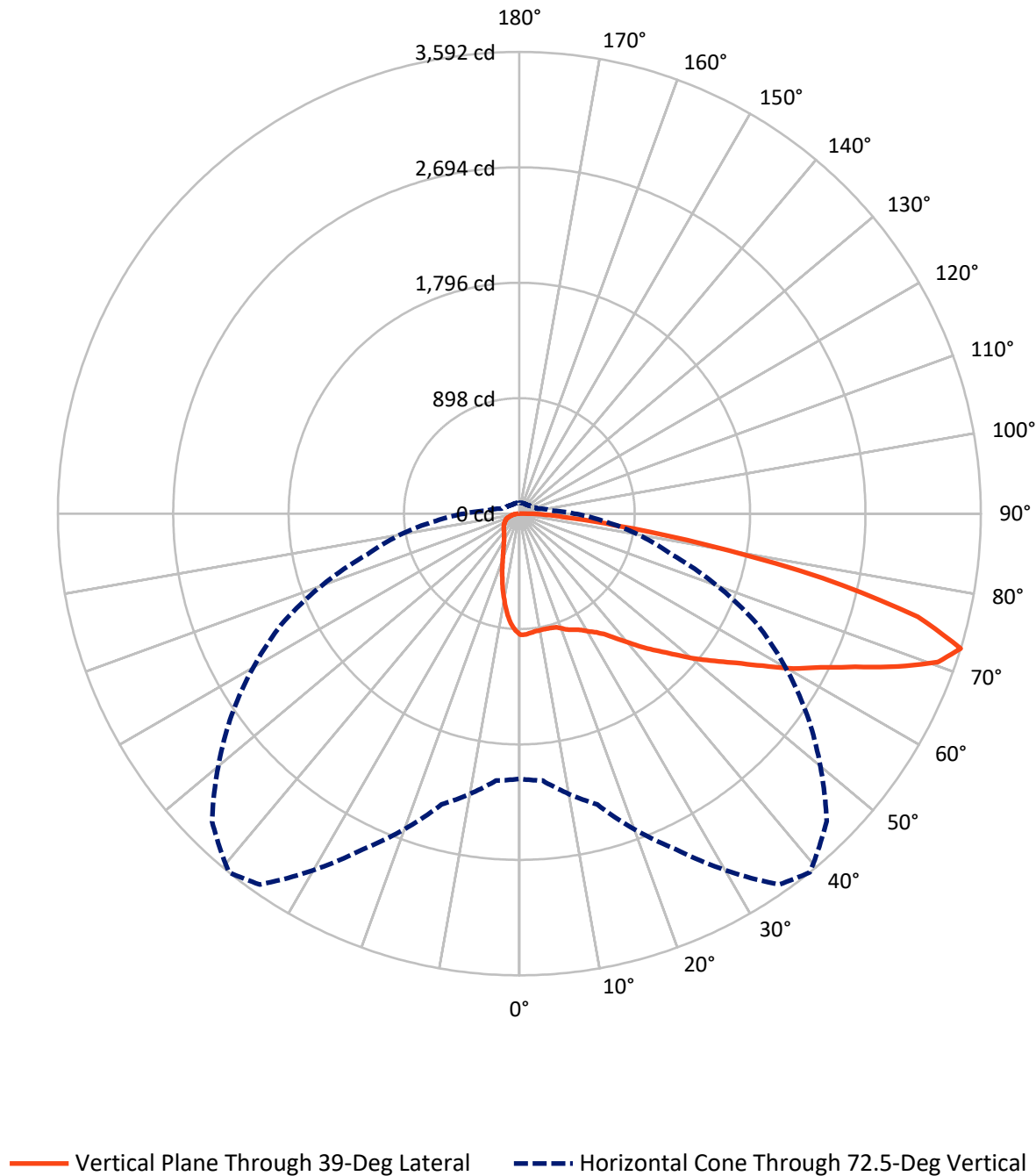
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 4.2 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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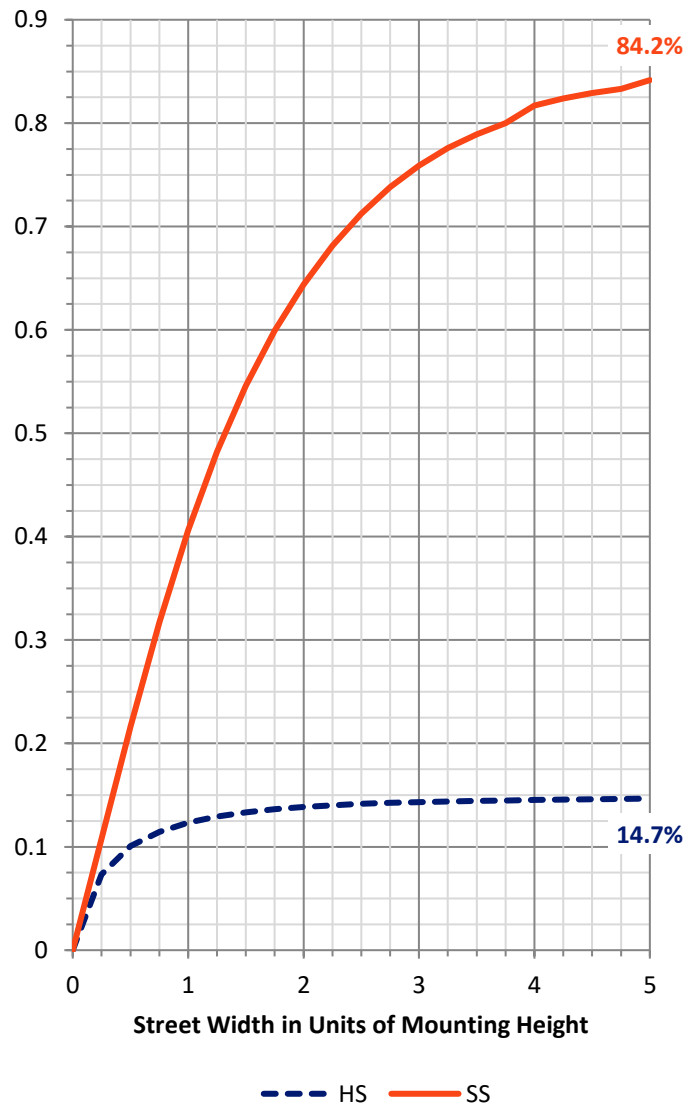
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	801.1	0.0	801.1
	% Fixture	14.9	0.0	14.9
Street Side	Lumens	4589.0	0.0	4589.0
	% Fixture	85.1	0.0	85.1
Total	Lumens	5390.0	0.0	5390.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	83.4	1.5
10°-20°	212.8	3.9
20°-30°	324.2	6.0
30°-40°	474.2	8.8
40°-50°	726.0	13.5
50°-60°	1064.8	19.8
60°-70°	1358.0	25.2
70°-80°	981.2	18.2
80°-90°	165.5	3.1
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°	5390.0	100.0
0°-180°	5390.0	100.0

Coefficient of Utilization



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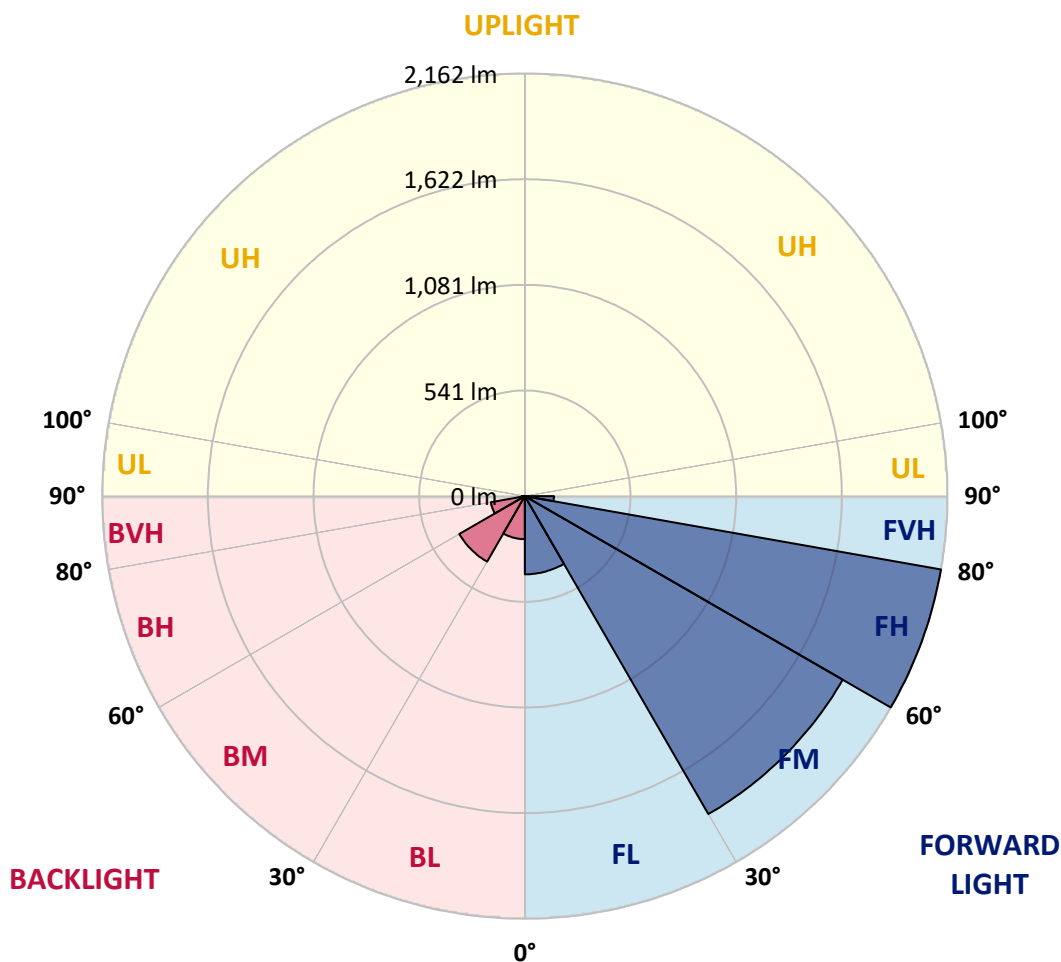
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	400.0	7.4			
FM	(30°-60°)	1878.0	34.8			
FH	(60°-80°)	2162.2	40.1			G2/5000
FVH	(80°-90°)	148.7	2.8			G2/225
BL	(0°-30°)	220.3	4.1	B1/500		
BM	(30°-60°)	387.0	7.2	B1/1000		
BH	(60°-80°)	177.0	3.3	B1/500		G1/500
BVH	(80°-90°)	16.8	0.3			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 Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	39°	45°	55°	65°	75°	85°
0°	943.5	943.5	943.5	943.5	943.5	943.5	943.5	943.5	943.5	943.5	943.5
2.5°	957.7	959.7	955.6	951.6	949.6	941.5	949.6	945.5	941.5	941.5	941.5
5°	945.5	947.5	947.5	943.5	945.5	931.3	929.3	931.3	925.3	921.2	919.2
7.5°	927.3	931.3	939.4	937.4	929.3	923.2	925.3	923.2	913.1	907.1	890.9
10°	913.1	917.2	921.2	925.3	923.2	921.2	919.2	911.1	909.1	894.9	878.7
12.5°	899.0	899.0	901.0	917.2	919.2	919.2	907.1	907.1	901.0	899.0	874.7
15°	884.8	890.9	907.1	911.1	919.2	923.2	917.2	917.2	907.1	892.9	874.7
17.5°	888.8	899.0	915.2	925.3	929.3	929.3	937.4	931.3	917.2	909.1	890.9
20°	909.1	911.1	931.3	949.6	953.6	953.6	945.5	939.4	929.3	915.2	890.9
22.5°	921.2	935.4	959.7	969.8	982.0	982.0	971.8	957.7	943.5	929.3	903.0
25°	973.9	975.9	986.0	1002.2	1008.3	1000.2	990.1	973.9	955.6	941.5	917.2
27.5°	1010.3	1020.4	1032.6	1040.7	1030.6	1024.5	1016.4	998.2	984.0	971.8	937.4
30°	1077.1	1065.0	1073.1	1077.1	1058.9	1063.0	1040.7	1024.5	1008.3	1008.3	969.8
32.5°	1117.6	1127.7	1119.6	1117.6	1103.4	1101.4	1087.2	1069.0	1058.9	1071.1	1018.4
35°	1188.5	1182.4	1182.4	1180.4	1164.2	1154.1	1154.1	1121.7	1131.8	1158.1	1093.3
37.5°	1224.9	1222.9	1235.0	1245.2	1229.0	1235.0	1229.0	1214.8	1218.9	1265.4	1186.5
40°	1261.4	1275.5	1299.8	1303.9	1314.0	1322.1	1318.1	1316.0	1332.2	1407.1	1312.0
42.5°	1295.8	1307.9	1344.4	1376.8	1401.1	1427.4	1429.4	1429.4	1482.1	1589.4	1463.8
45°	1340.3	1350.5	1401.1	1465.9	1506.4	1524.6	1540.8	1559.0	1629.9	1757.4	1625.8
47.5°	1401.1	1409.2	1469.9	1550.9	1629.9	1640.0	1672.4	1692.6	1799.9	1929.5	1791.8
50°	1488.1	1482.1	1530.7	1648.1	1725.0	1773.6	1820.2	1856.6	1961.9	2103.6	1921.4
52.5°	1559.0	1559.0	1595.4	1751.3	1856.6	1903.2	1951.8	2002.4	2123.9	2277.8	2026.7
55°	1680.5	1668.3	1690.6	1852.6	2004.4	2049.0	2142.1	2184.6	2302.0	2407.3	2115.8
57.5°	1763.5	1769.6	1795.9	1986.2	2178.5	2233.2	2326.3	2356.7	2460.0	2543.0	2180.6
60°	1872.8	1852.6	1909.3	2134.0	2370.9	2447.8	2524.8	2543.0	2619.9	2630.0	2210.9
62.5°	1978.1	1974.1	2022.6	2281.8	2577.4	2632.1	2711.0	2731.3	2763.7	2698.9	2168.4
65°	2042.9	2069.2	2160.3	2443.8	2812.3	2873.0	2952.0	2911.5	2875.0	2638.1	1959.9
67.5°	2132.0	2144.1	2283.8	2619.9	3083.6	3174.7	3243.5	3083.6	2812.3	2389.1	1650.1
70°	2152.2	2184.6	2366.8	2804.2	3363.0	3456.1	3460.2	3024.9	2583.5	1943.7	1196.6
72.5°	2063.1	2085.4	2342.5	2881.1	3522.9	3591.8	3383.2	2735.3	2046.9	1224.9	651.9
75°	1735.1	1797.9	2038.8	2644.2	3229.3	3203.0	2866.9	2087.4	1229.0	542.6	275.4
77.5°	1208.7	1210.8	1461.8	1923.4	2417.5	2411.4	2044.9	1210.8	526.4	218.7	162.0
80°	536.5	575.0	726.9	1036.6	1467.9	1467.9	1192.5	601.3	263.2	141.7	111.4
82.5°	315.8	328.0	388.7	483.9	714.7	753.2	571.0	400.9	180.2	89.1	68.8
85°	232.8	253.1	289.5	291.6	338.1	344.2	315.8	348.2	123.5	48.6	56.7
87.5°	174.1	186.3	230.8	192.3	180.2	170.1	194.4	356.3	46.6	24.3	18.2
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°	943.5	943.5	943.5	943.5	943.5	943.5	943.5	943.5	943.5	943.5	943.5
2.5°	933.4	933.4	929.3	921.2	921.2	905.0	909.1	913.1	903.0	903.0	905.0
5°	919.2	911.1	901.0	888.8	880.7	858.5	854.4	840.2	838.2	834.2	828.1
7.5°	890.9	878.7	860.5	842.3	815.9	795.7	771.4	751.2	743.1	737.0	735.0
10°	864.5	862.5	832.1	795.7	755.2	716.7	680.3	654.0	637.8	627.6	625.6
12.5°	864.5	848.3	805.8	755.2	696.5	639.8	593.2	556.8	534.5	518.3	512.2
15°	860.5	844.3	787.6	710.7	643.8	566.9	502.1	463.6	431.3	415.1	417.1
17.5°	864.5	840.2	761.3	678.3	585.1	502.1	425.2	378.6	346.2	334.1	332.0
20°	866.6	836.2	741.0	633.7	524.4	431.3	358.4	313.8	289.5	281.4	281.4
22.5°	862.5	824.0	710.7	581.1	471.7	372.5	311.8	273.3	257.1	247.0	251.1
25°	880.7	822.0	682.3	536.5	411.0	323.9	277.4	249.0	238.9	232.8	234.9
27.5°	884.8	822.0	660.0	485.9	358.4	287.5	251.1	232.8	224.7	220.7	218.7
30°	901.0	826.1	633.7	435.3	315.8	259.2	230.8	220.7	214.6	212.6	212.6
32.5°	945.5	838.2	605.4	392.8	279.4	234.9	216.6	208.5	204.5	202.5	204.5
35°	998.2	870.6	575.0	348.2	253.1	218.7	204.5	198.4	196.4	196.4	196.4
37.5°	1079.1	919.2	548.7	311.8	230.8	202.5	192.3	190.3	188.3	190.3	190.3
40°	1172.3	971.8	524.4	283.5	214.6	192.3	182.2	182.2	180.2	182.2	184.2
42.5°	1279.6	1036.6	500.1	255.1	200.4	184.2	176.1	174.1	172.1	176.1	178.2
45°	1427.4	1125.7	483.9	238.9	190.3	176.1	168.0	168.0	166.0	166.0	170.1
47.5°	1550.9	1210.8	483.9	222.7	184.2	170.1	162.0	162.0	157.9	159.9	159.9
50°	1654.2	1283.6	494.0	218.7	176.1	164.0	157.9	153.9	151.9	151.9	151.9
52.5°	1723.0	1328.2	502.1	214.6	172.1	155.9	151.9	149.8	145.8	143.8	145.8
55°	1791.8	1358.6	504.1	214.6	166.0	147.8	143.8	143.8	139.7	137.7	137.7
57.5°	1818.2	1346.4	475.8	210.6	162.0	141.7	137.7	135.7	133.6	131.6	131.6
60°	1806.0	1301.9	413.0	200.4	157.9	137.7	129.6	129.6	129.6	125.5	127.6
62.5°	1723.0	1150.0	332.0	184.2	151.9	129.6	121.5	125.5	125.5	123.5	123.5
65°	1504.3	949.6	269.3	170.1	143.8	123.5	115.4	121.5	123.5	121.5	119.5
67.5°	1202.7	730.9	222.7	153.9	133.6	113.4	107.3	113.4	115.4	113.4	113.4
70°	826.1	471.7	180.2	137.7	119.5	103.3	97.2	101.2	101.2	103.3	103.3
72.5°	427.2	255.1	147.8	117.4	103.3	93.1	87.1	87.1	85.0	85.0	85.0
75°	212.6	174.1	123.5	99.2	87.1	79.0	74.9	70.9	70.9	70.9	70.9
77.5°	147.8	133.6	101.2	79.0	70.9	64.8	64.8	58.7	58.7	58.7	58.7
80°	111.4	105.3	76.9	60.7	54.7	50.6	50.6	48.6	48.6	46.6	46.6
82.5°	79.0	85.0	58.7	44.5	40.5	38.5	38.5	36.4	36.4	32.4	32.4
85°	62.8	70.9	44.5	32.4	30.4	26.3	26.3	24.3	24.3	22.3	20.2
87.5°	18.2	38.5	18.2	12.1	12.1	12.1	12.1	10.1	10.1	8.1	8.1
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)