

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: P671989

Luminaire Tested: **CCP-SA-1B-760-U-AFL**

Issue Date: 04/16/2023

Test Information

Test Method: LM-79-08
Report Number: P671989
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1B-760-U-AFL
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @450mA w/ AFL
distribution lens
Light Source: (16) 5700K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3565 lumens
Efficiency: N/A
Efficacy: 148.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

Input Watts (W): 24
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

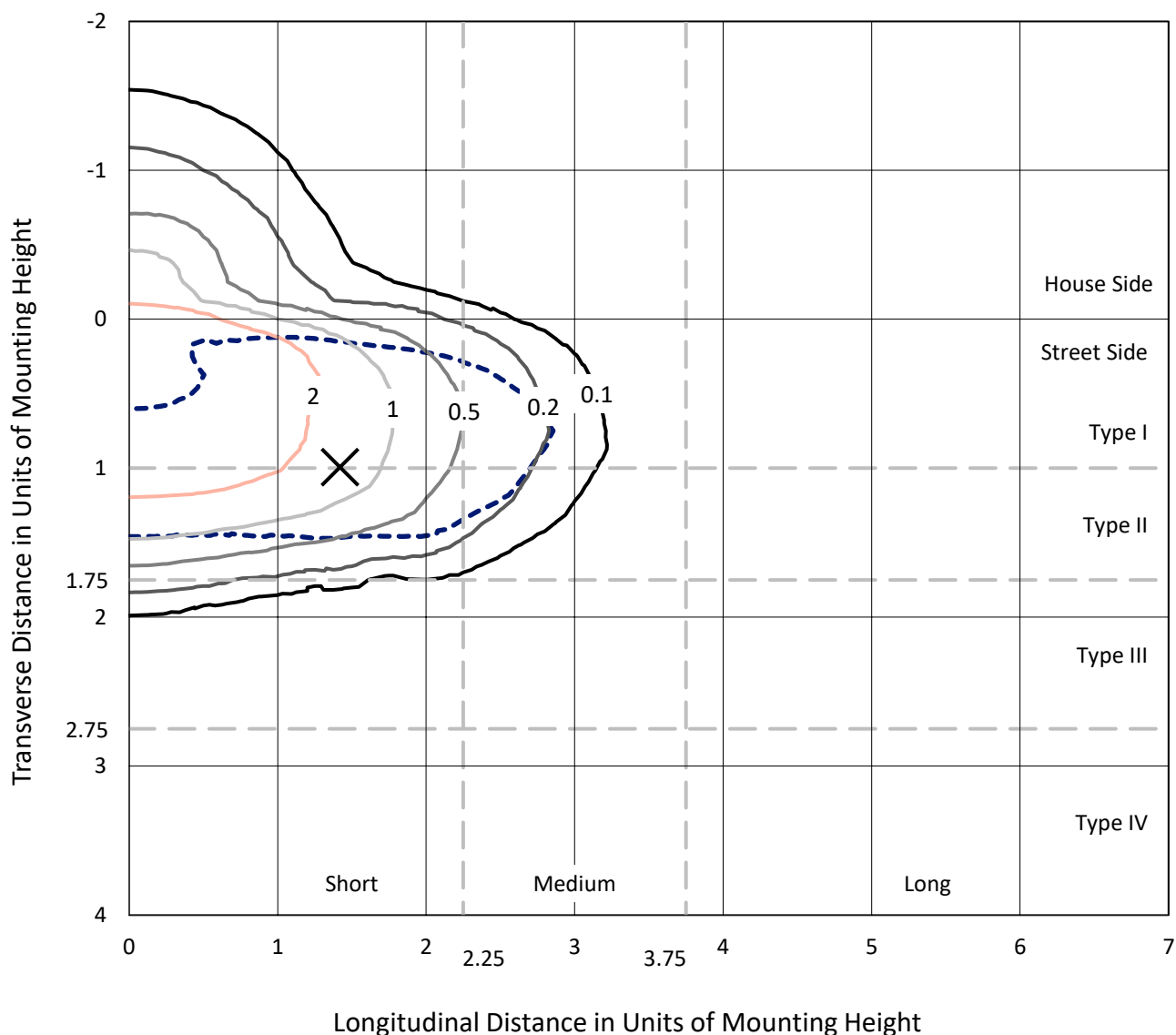
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd



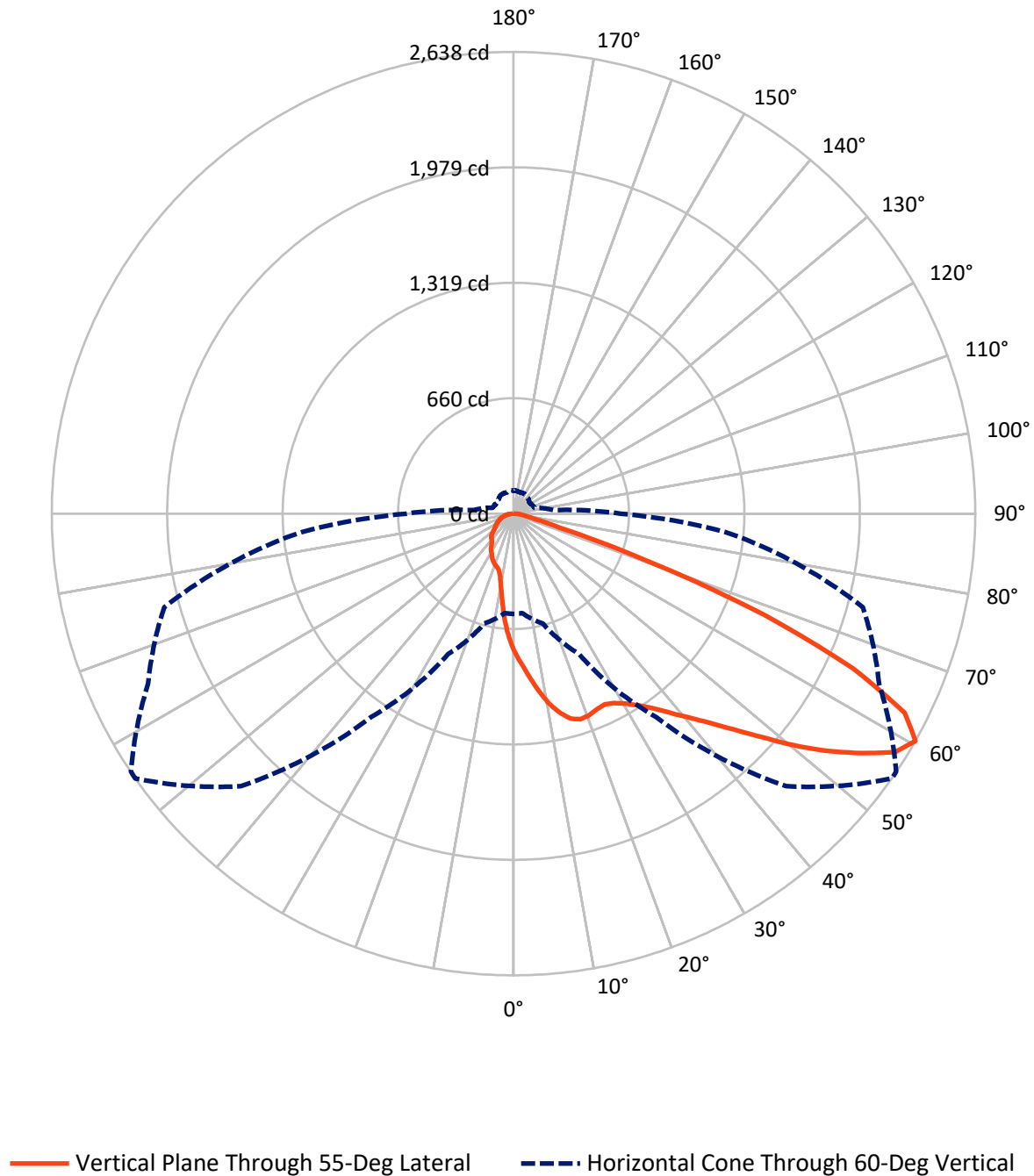
Based on 15 foot mounting height. Maximum calculated value = 4.9 fc

Type II - Short - N/A

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Luminous Intensity Polar Plot



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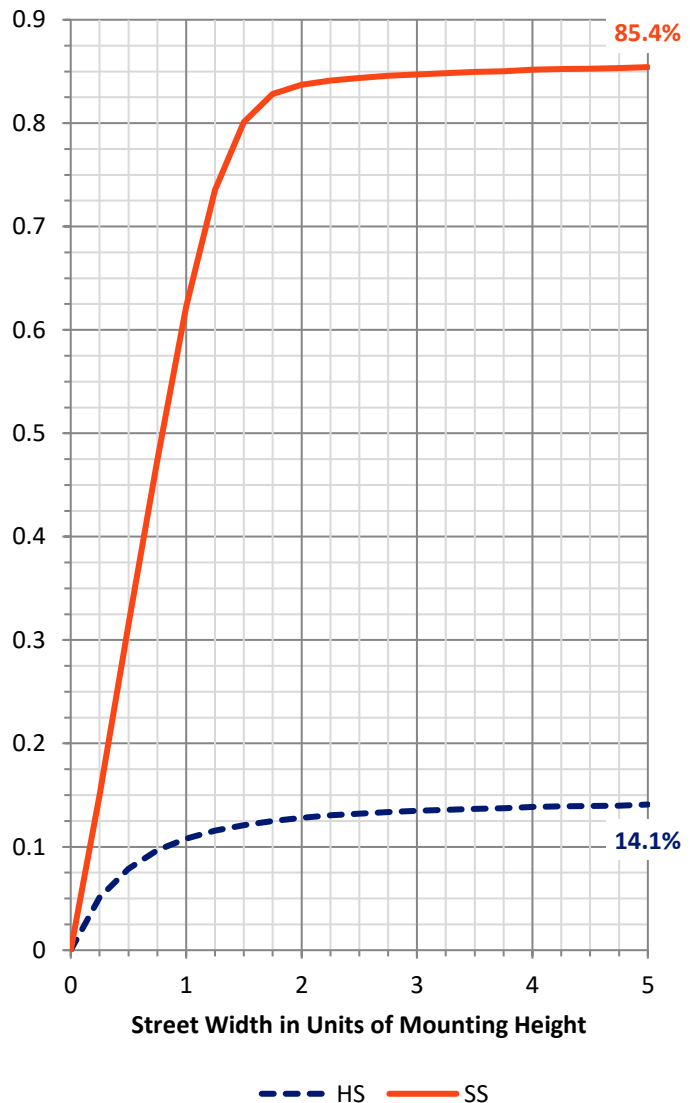
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	512.5	0.0	512.5
	% Fixture	14.4	0.0	14.4
Street Side	Lumens	3052.5	0.0	3052.5
	% Fixture	85.6	0.0	85.6
Total	Lumens	3565.0	0.0	3565.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	74.0	2.1
10°-20°	209.6	5.9
20°-30°	341.3	9.6
30°-40°	510.1	14.3
40°-50°	749.8	21.0
50°-60°	878.8	24.6
60°-70°	579.4	16.3
70°-80°	184.5	5.2
80°-90°	37.5	1.1
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°	3565.0	100.0
0°-180°	3565.0	100.0



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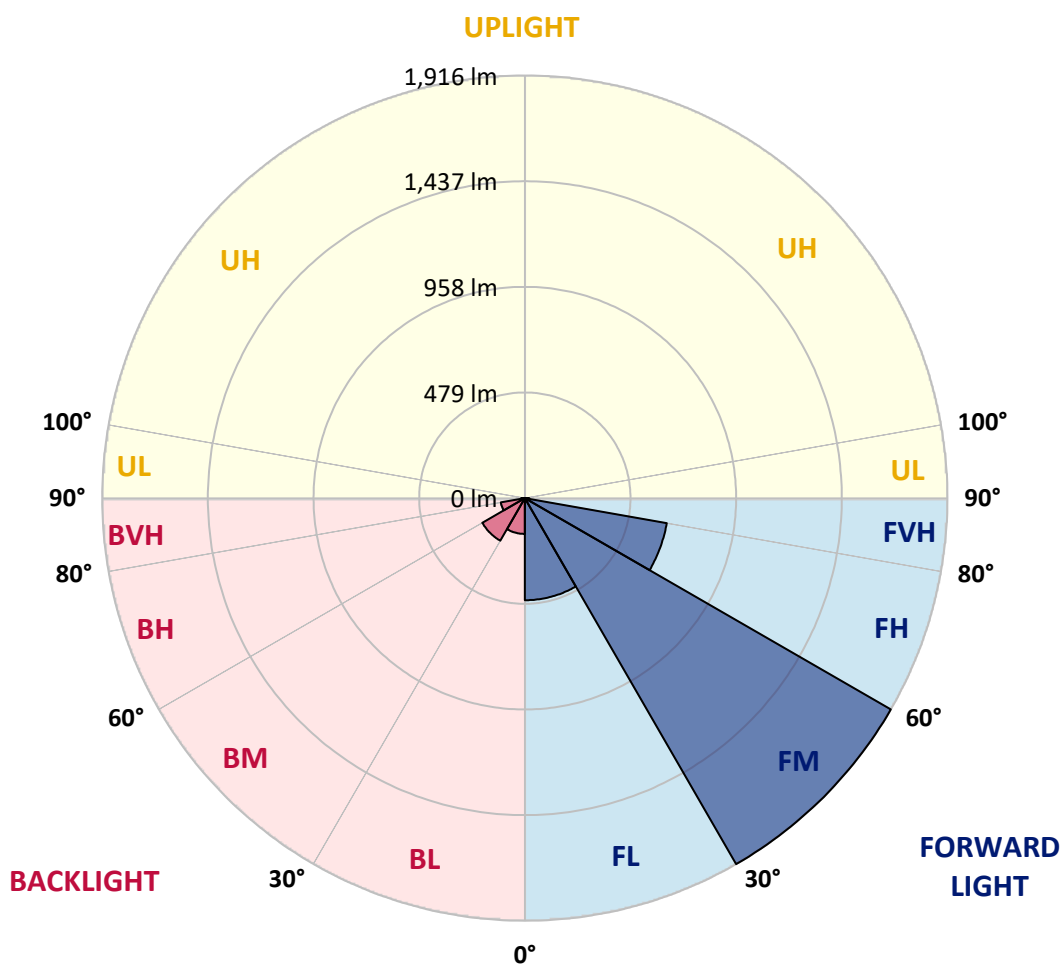
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	462.7	13.0			
FM	(30°-60°)	1915.9	53.7			
FH	(60°-80°)	653.3	18.3			G0/660
FVH	(80°-90°)	20.6	0.6			G1/100
BL	(0°-30°)	162.2	4.6	B1/500		
BM	(30°-60°)	222.7	6.2	B1/1000		
BH	(60°-80°)	110.6	3.1	B1/500		G1/500
BVH	(80°-90°)	16.9	0.5			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 II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	790.6	790.6	790.6	790.6	790.6	790.6	790.6	790.6	790.6	790.6	790.6
2.5°	920.1	916.7	916.7	908.2	895.5	878.0	857.0	851.9	843.9	823.5	797.1
5°	1060.4	1056.8	1051.9	1036.9	1013.4	978.2	934.0	926.0	897.4	855.2	807.7
7.5°	1153.1	1151.1	1149.5	1136.6	1113.4	1078.7	1019.6	1010.5	961.9	892.2	817.8
10°	1143.6	1149.8	1160.6	1169.7	1174.3	1156.5	1101.0	1090.4	1030.2	935.1	832.8
12.5°	1053.9	1062.7	1082.9	1119.8	1162.4	1196.8	1165.3	1159.3	1103.0	980.6	851.6
15°	987.3	990.9	1000.7	1028.1	1091.7	1183.4	1215.2	1209.7	1171.0	1038.9	873.3
17.5°	966.6	968.1	970.5	979.5	1022.9	1130.9	1235.6	1240.7	1236.9	1099.7	897.9
20°	976.9	978.0	978.2	979.8	1000.4	1087.0	1230.1	1238.9	1294.7	1160.4	922.2
22.5°	1016.7	1015.4	1013.6	1007.7	1019.3	1079.3	1215.7	1229.6	1339.4	1215.7	944.6
25°	1086.2	1084.4	1071.8	1059.4	1064.3	1107.2	1207.9	1222.9	1374.3	1267.9	961.2
27.5°	1168.9	1167.1	1154.2	1130.7	1125.5	1153.7	1226.0	1235.3	1399.9	1314.1	968.4
30°	1254.7	1254.7	1238.7	1211.5	1195.0	1206.9	1259.3	1266.8	1419.3	1358.8	973.1
32.5°	1348.2	1350.8	1326.0	1295.0	1276.7	1269.7	1306.1	1312.6	1447.4	1411.5	982.9
35°	1468.4	1462.7	1432.5	1391.6	1362.2	1346.4	1364.0	1371.5	1488.8	1477.2	998.6
37.5°	1603.5	1593.4	1556.2	1507.4	1456.0	1429.6	1441.2	1443.0	1550.0	1562.7	1027.3
40°	1715.1	1713.3	1681.8	1635.5	1570.7	1535.3	1529.6	1530.6	1635.0	1664.0	1070.7
42.5°	1809.2	1802.5	1796.8	1780.5	1711.8	1653.6	1630.4	1630.6	1727.3	1768.6	1114.4
45°	1850.8	1849.5	1866.3	1908.1	1858.8	1790.3	1757.2	1761.9	1832.9	1876.1	1156.5
47.5°	1832.9	1834.0	1878.9	1988.7	2017.9	1965.5	1906.8	1904.0	1935.3	1958.5	1193.7
50°	1673.8	1690.6	1812.3	1996.2	2122.3	2148.4	2082.3	2071.7	2024.9	2024.1	1216.5
52.5°	1553.6	1552.9	1627.5	1920.0	2159.3	2313.5	2254.1	2230.3	2099.1	2061.1	1218.3
55°	1391.4	1390.3	1445.9	1697.0	2085.9	2428.8	2416.1	2386.4	2167.0	2073.2	1205.9
57.5°	1053.7	1073.3	1128.6	1358.6	1853.4	2410.4	2570.9	2546.1	2233.4	2067.8	1203.5
60°	573.3	571.0	651.1	885.5	1419.0	2202.2	2638.3	2637.0	2304.0	2065.7	1217.7
62.5°	264.3	261.7	277.8	394.3	813.6	1764.2	2508.1	2526.7	2369.3	2046.9	1216.5
65°	197.7	190.9	169.2	183.4	311.3	1053.2	2130.3	2179.9	2268.6	1969.4	1160.1
67.5°	176.2	169.8	144.4	135.4	156.3	371.5	1545.4	1591.1	1897.0	1824.2	1068.9
70°	161.5	155.8	130.5	116.3	117.3	164.6	809.0	898.9	1390.3	1522.4	911.0
72.5°	147.3	142.4	119.4	102.3	98.7	108.8	275.7	332.5	864.8	1109.5	679.3
75°	132.3	127.6	107.5	91.7	84.7	80.6	131.3	141.3	457.3	612.6	364.6
77.5°	115.0	112.4	95.9	80.9	74.9	61.0	87.3	91.7	195.9	240.6	173.6
80°	100.0	97.9	85.5	73.4	67.2	47.0	60.2	63.3	96.6	120.1	97.2
82.5°	65.1	70.3	70.8	63.0	59.2	37.7	39.8	42.1	64.1	70.8	42.4
85°	26.9	32.6	48.8	43.4	41.1	32.0	26.4	26.9	39.3	41.3	15.2
87.5°	12.1	13.4	24.0	24.3	21.2	12.1	13.2	14.5	20.2	19.9	6.7
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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	790.6	790.6	790.6	790.6	790.6	790.6	790.6	790.6	790.6	790.6	790.6
2.5°	789.9	778.0	756.8	729.7	710.3	696.1	680.6	669.2	656.5	645.4	647.2
5°	788.1	765.1	717.5	667.1	618.0	577.7	544.1	519.3	493.8	483.7	482.4
7.5°	789.6	750.6	672.6	590.1	515.5	464.0	425.0	401.5	386.8	378.3	378.8
10°	789.1	736.9	624.0	510.3	428.7	381.6	357.9	350.1	348.8	349.8	351.4
12.5°	789.9	718.3	569.5	438.5	366.4	342.4	343.4	350.4	354.8	357.6	359.4
15°	793.2	703.1	513.7	381.9	333.8	334.6	345.7	356.6	363.0	366.1	367.7
17.5°	798.1	683.9	464.0	339.0	320.1	332.0	346.5	358.1	363.0	364.8	366.1
20°	798.7	662.0	413.9	309.5	311.1	326.6	339.3	348.6	354.8	356.8	357.9
22.5°	796.3	632.3	362.5	288.1	300.8	316.3	327.1	337.7	329.4	322.7	320.9
25°	786.5	594.8	318.6	270.5	287.8	302.3	314.7	303.1	299.2	294.0	294.6
27.5°	765.3	548.0	277.2	254.0	272.6	293.3	284.2	282.7	277.8	272.6	272.6
30°	737.4	498.7	242.6	236.7	254.2	264.6	266.6	264.3	261.5	254.8	255.3
32.5°	712.4	446.5	218.1	222.2	242.6	242.6	251.7	251.7	241.3	222.5	222.5
35°	687.5	397.4	200.0	210.1	223.5	227.9	240.3	224.0	209.3	200.8	200.2
37.5°	668.2	355.5	188.1	199.7	204.9	216.0	216.3	204.4	199.5	191.7	190.9
40°	656.8	320.4	180.9	194.6	195.1	205.4	188.4	191.7	190.7	184.7	184.0
42.5°	650.6	293.3	175.4	190.2	187.6	177.5	174.4	180.1	181.9	178.8	177.5
45°	645.7	272.1	171.0	174.9	181.6	163.3	162.0	166.4	170.3	170.0	169.0
47.5°	643.1	257.3	167.2	165.4	166.7	154.8	152.2	154.3	159.2	162.3	162.0
50°	633.0	246.0	161.5	155.5	147.3	147.3	146.0	146.0	151.9	158.1	158.6
52.5°	615.2	232.5	153.2	146.2	136.7	140.8	141.3	140.3	146.5	153.2	153.7
55°	595.6	222.5	142.1	137.7	127.9	134.9	137.2	136.2	140.3	145.0	144.7
57.5°	595.8	222.2	132.5	129.2	119.6	127.4	133.1	133.3	133.1	136.4	136.4
60°	610.8	227.4	125.1	117.8	110.1	119.4	128.7	128.7	126.9	131.8	132.3
62.5°	615.2	226.9	120.4	107.0	101.5	112.1	122.2	123.8	122.5	129.4	130.2
65°	576.4	214.7	115.8	97.2	93.8	104.1	114.2	118.6	117.3	126.3	127.4
67.5°	522.7	199.0	108.5	88.4	85.8	96.4	105.9	110.6	110.3	122.2	122.7
70°	450.6	179.6	99.5	79.3	78.0	87.3	95.9	100.8	103.1	116.8	116.5
72.5°	349.1	154.0	85.8	69.8	69.5	78.0	85.5	90.9	95.3	108.5	108.5
75°	225.0	121.2	70.0	60.5	59.4	67.4	75.2	81.4	94.8	115.8	115.5
77.5°	137.5	92.5	56.3	50.4	50.1	57.4	65.1	75.7	103.6	103.1	100.3
80°	82.4	66.4	45.0	40.3	40.3	47.0	55.6	81.1	86.0	98.2	92.8
82.5°	42.9	40.8	33.6	29.7	31.0	36.9	50.6	64.9	70.3	59.7	54.8
85°	17.6	21.7	20.7	18.9	19.6	25.6	48.8	51.9	41.6	43.7	43.9
87.5°	5.9	9.6	9.6	7.5	8.3	18.1	28.9	17.3	20.9	12.4	9.3
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)