

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: P672023

Luminaire Tested: **CCP-SA-1C-835-U-AFL**

Issue Date: 04/16/2023

Test Information

Test Method: LM-79-08
Report Number: P672023
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1C-835-U-AFL
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @615mA w/ AFL
distribution lens
Light Source: (16) 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3759.6 lumens
Efficiency: N/A
Efficacy: 117.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

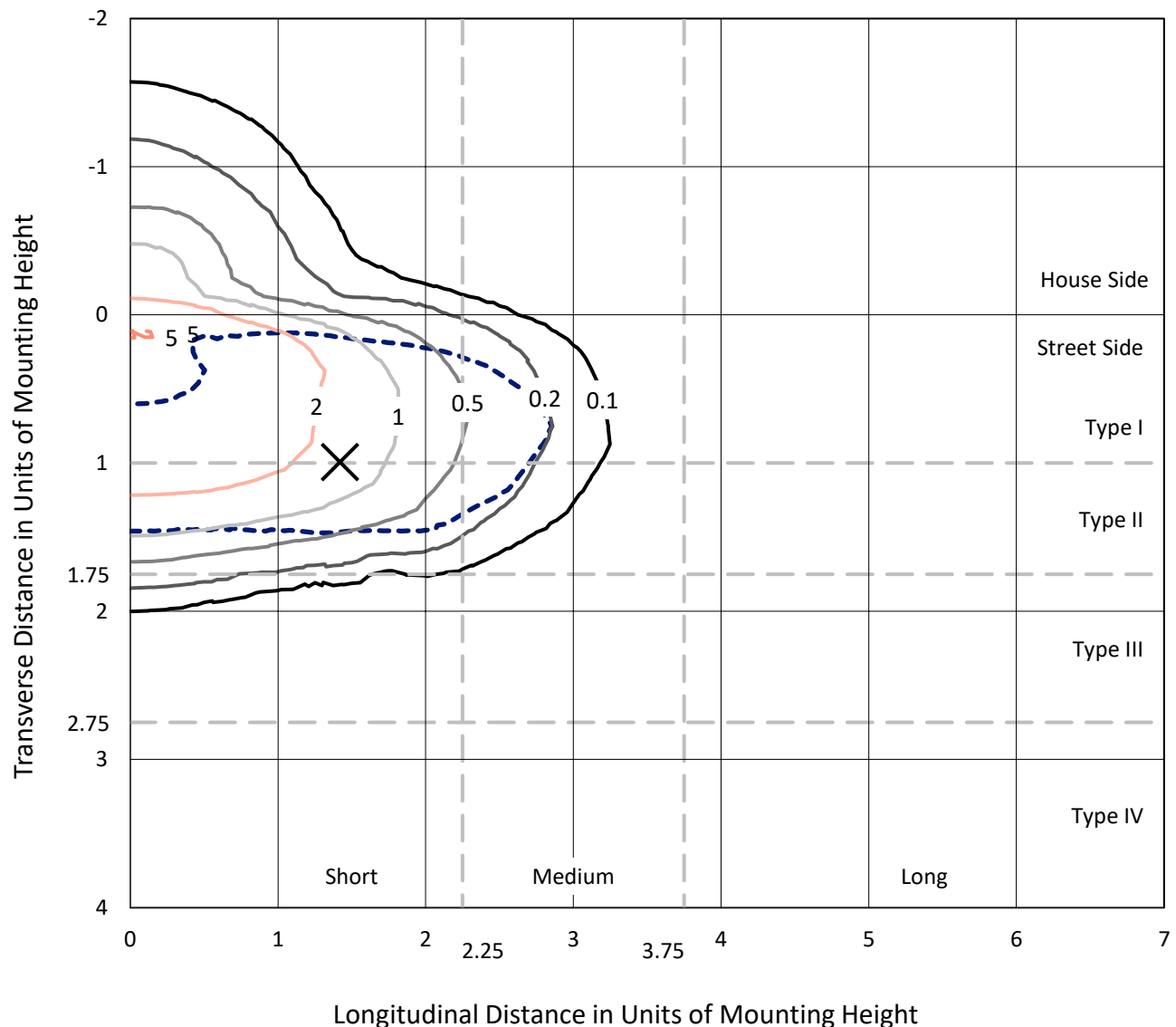
Input Watts (W): 32
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Iso-Footcandle Lines of Horizontal Illumination

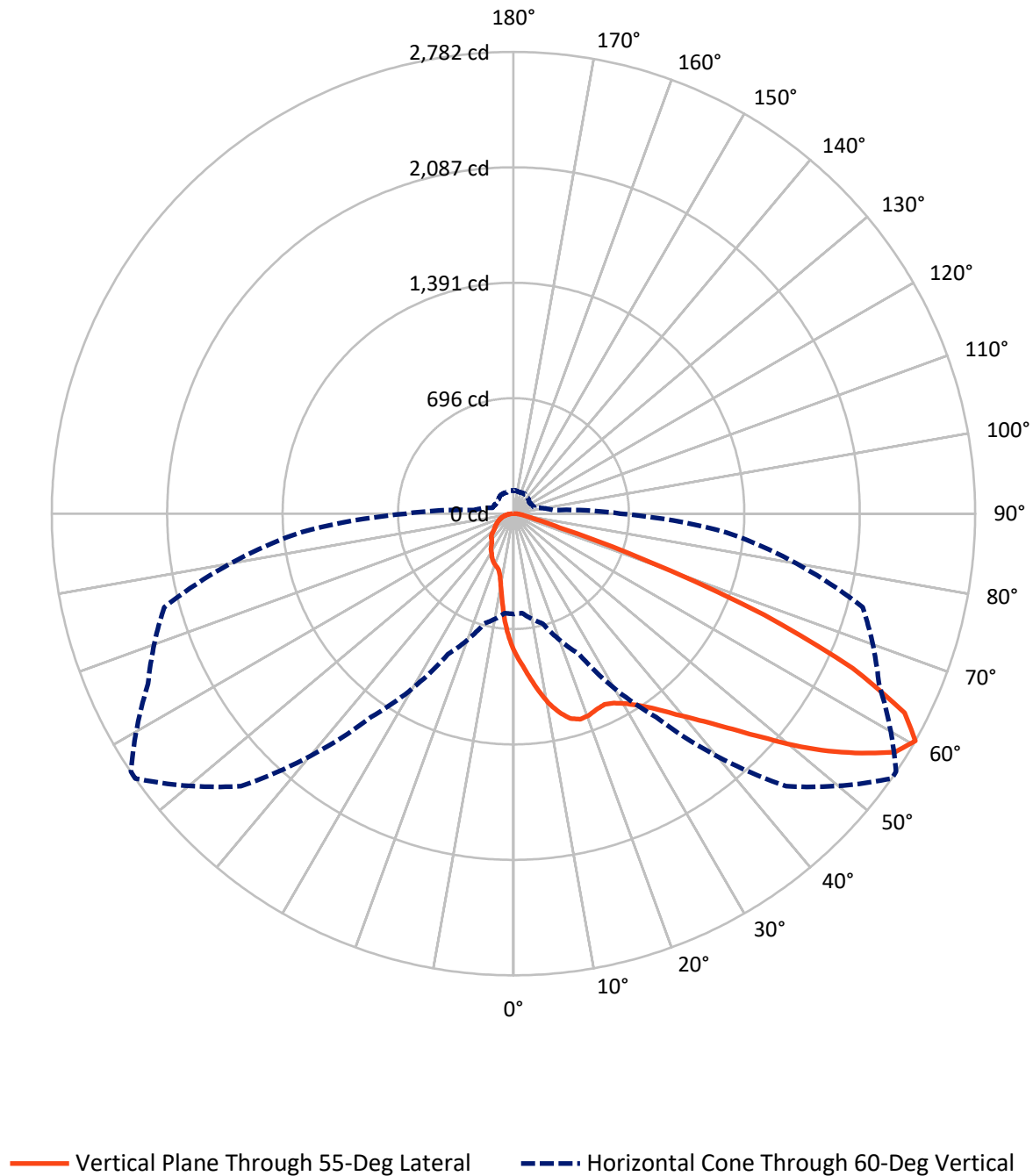
✕ Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 5.2 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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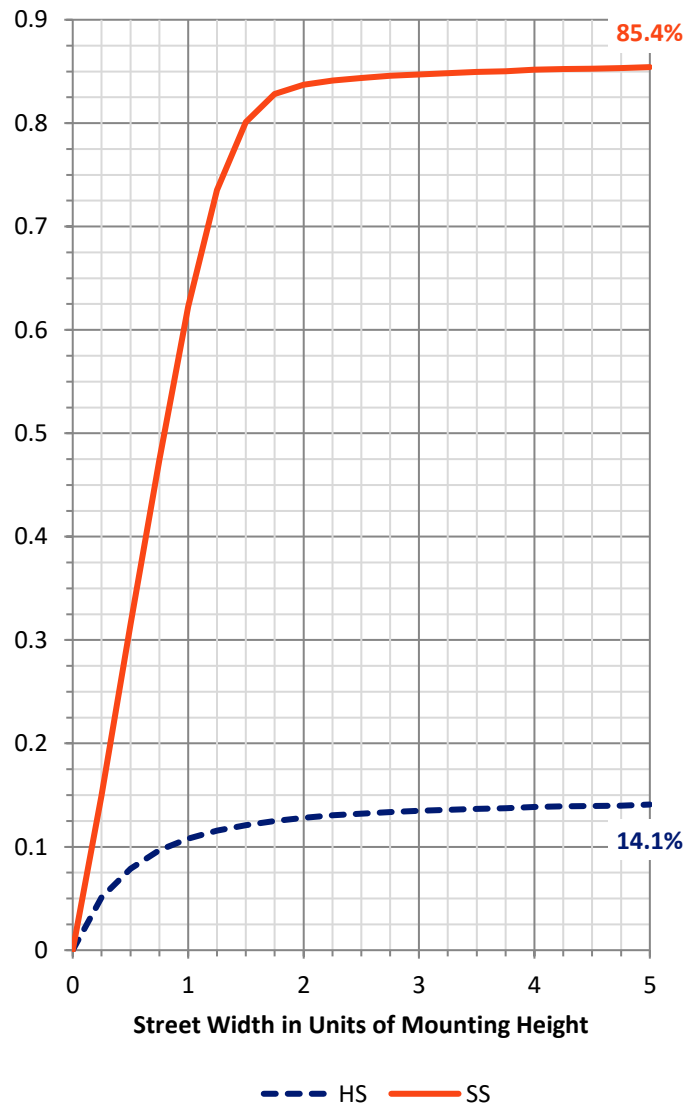
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	540.5	0.0	540.5
	% Fixture	14.4	0.0	14.4
Street Side	Lumens	3219.2	0.0	3219.2
	% Fixture	85.6	0.0	85.6
Total	Lumens	3759.6	0.0	3759.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	78.0	2.1
10°-20°	221.1	5.9
20°-30°	359.9	9.6
30°-40°	538.0	14.3
40°-50°	790.7	21.0
50°-60°	926.7	24.6
60°-70°	611.0	16.3
70°-80°	194.6	5.2
80°-90°	39.6	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°	3759.6	100.0
0°-180°	3759.6	100.0

Coefficient of Utilization



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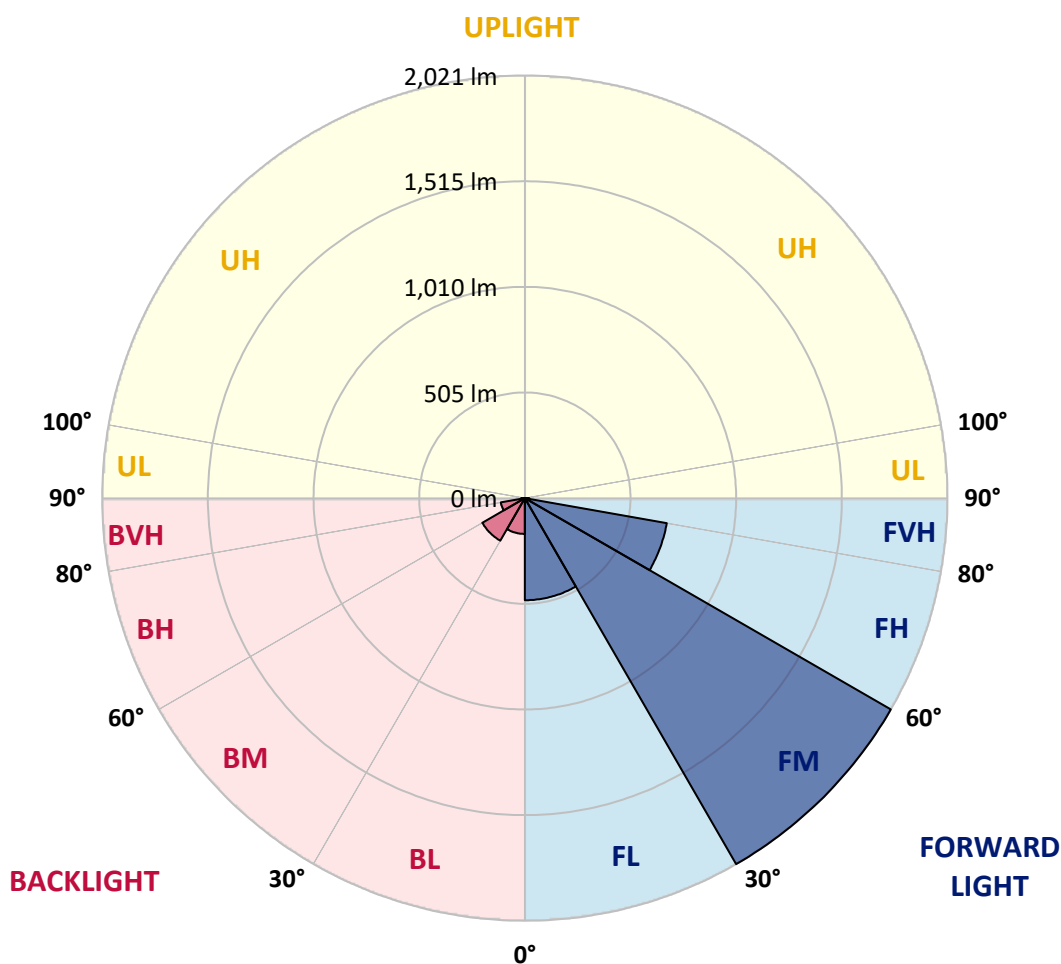
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	488.0	13.0			
FM	(30°-60°)	2020.5	53.7			
FH	(60°-80°)	689.0	18.3			G1/1800
FVH	(80°-90°)	21.7	0.6			G1/100
BL	(0°-30°)	171.1	4.6	B1/500		
BM	(30°-60°)	234.9	6.2	B1/1000		
BH	(60°-80°)	116.6	3.1	B1/500		G1/500
BVH	(80°-90°)	17.9	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°	833.8	833.8	833.8	833.8	833.8	833.8	833.8	833.8	833.8	833.8	833.8
2.5°	970.3	966.8	966.8	957.8	944.4	925.9	903.8	898.4	889.9	868.4	840.6
5°	1118.3	1114.5	1109.3	1093.5	1068.7	1031.6	985.0	976.6	946.3	901.9	851.8
7.5°	1216.1	1213.9	1212.3	1198.7	1174.1	1137.6	1075.2	1065.7	1014.5	940.9	862.4
10°	1206.0	1212.5	1224.0	1233.5	1238.4	1219.6	1161.0	1149.9	1086.4	986.1	878.2
12.5°	1111.5	1120.7	1142.0	1180.9	1225.9	1262.1	1228.9	1222.6	1163.2	1034.1	898.1
15°	1041.2	1045.0	1055.3	1084.2	1151.2	1248.0	1281.5	1275.8	1234.9	1095.7	921.0
17.5°	1019.4	1021.0	1023.4	1033.0	1078.8	1192.7	1303.0	1308.5	1304.4	1159.7	946.9
20°	1030.3	1031.3	1031.6	1033.3	1055.1	1146.3	1297.3	1306.6	1365.4	1223.7	972.5
22.5°	1072.2	1070.9	1069.0	1062.7	1074.9	1138.2	1282.0	1296.7	1412.6	1282.0	996.2
25°	1145.5	1143.6	1130.3	1117.2	1122.4	1167.6	1273.9	1289.7	1449.3	1337.1	1013.6
27.5°	1232.7	1230.8	1217.2	1192.4	1186.9	1216.6	1292.9	1302.7	1476.3	1385.8	1021.3
30°	1323.2	1323.2	1306.3	1277.7	1260.2	1272.8	1328.1	1336.0	1496.7	1433.0	1026.2
32.5°	1421.8	1424.5	1398.4	1365.7	1346.3	1339.0	1377.4	1384.2	1526.4	1488.6	1036.5
35°	1548.5	1542.5	1510.6	1467.6	1436.5	1419.9	1438.4	1446.3	1570.0	1557.8	1053.1
37.5°	1691.0	1680.4	1641.2	1589.7	1535.4	1507.6	1519.9	1521.8	1634.6	1648.0	1083.4
40°	1808.7	1806.8	1773.6	1724.8	1656.4	1619.1	1613.1	1614.2	1724.3	1754.8	1129.2
42.5°	1907.9	1900.8	1894.8	1877.7	1805.2	1743.9	1719.4	1719.6	1821.5	1865.1	1175.2
45°	1951.8	1950.4	1968.1	2012.3	1960.2	1888.0	1853.2	1858.1	1933.0	1978.5	1219.6
47.5°	1933.0	1934.1	1981.5	2097.3	2128.1	2072.8	2010.9	2007.9	2040.9	2065.4	1258.9
50°	1765.1	1782.9	1911.2	2105.2	2238.2	2265.7	2195.9	2184.8	2135.4	2134.6	1282.8
52.5°	1638.4	1637.6	1716.4	2024.8	2277.1	2439.8	2377.1	2352.1	2213.7	2173.6	1284.8
55°	1467.3	1466.2	1524.8	1789.7	2199.8	2561.3	2548.0	2516.7	2285.3	2186.4	1271.7
57.5°	1111.2	1131.9	1190.2	1432.7	1954.5	2542.0	2711.2	2685.0	2355.3	2180.7	1269.2
60°	604.6	602.2	686.7	933.8	1496.5	2322.4	2782.3	2781.0	2429.7	2178.5	1284.2
62.5°	278.8	276.0	292.9	415.8	858.0	1860.5	2645.0	2664.6	2498.7	2158.6	1282.8
65°	208.4	201.4	178.5	193.5	328.3	1110.6	2246.6	2298.9	2392.4	2076.9	1223.4
67.5°	185.8	179.0	152.3	142.8	164.9	391.8	1629.7	1678.0	2000.6	1923.7	1127.3
70°	170.3	164.3	137.6	122.6	123.7	173.6	853.1	948.0	1466.2	1605.5	960.8
72.5°	155.3	150.1	125.9	107.9	104.1	114.7	290.7	350.7	912.0	1170.0	716.4
75°	139.5	134.6	113.4	96.7	89.4	85.0	138.4	149.0	482.3	646.1	384.5
77.5°	121.3	118.5	101.1	85.3	79.0	64.3	92.1	96.7	206.5	253.7	183.1
80°	105.5	103.3	90.2	77.4	70.8	49.6	63.5	66.8	101.9	126.7	102.5
82.5°	68.7	74.1	74.7	66.5	62.4	39.8	42.0	44.4	67.6	74.7	44.7
85°	28.3	34.3	51.5	45.8	43.3	33.8	27.8	28.3	41.4	43.6	16.1
87.5°	12.8	14.2	25.3	25.6	22.3	12.8	13.9	15.3	21.3	21.0	7.1
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°	833.8	833.8	833.8	833.8	833.8	833.8	833.8	833.8	833.8	833.8	833.8
2.5°	833.0	820.4	798.1	769.5	749.1	734.1	717.7	705.7	692.4	680.7	682.6
5°	831.1	806.8	756.7	703.6	651.8	609.3	573.8	547.7	520.7	510.1	508.7
7.5°	832.7	791.6	709.3	622.4	543.6	489.4	448.2	423.4	407.9	398.9	399.5
10°	832.2	777.1	658.0	538.2	452.0	402.5	377.4	369.2	367.9	368.9	370.6
12.5°	833.0	757.5	600.6	462.4	386.4	361.0	362.1	369.5	374.1	377.1	379.0
15°	836.5	741.4	541.7	402.7	352.0	352.9	364.6	376.0	382.8	386.1	387.7
17.5°	841.7	721.3	489.4	357.5	337.6	350.1	365.4	377.7	382.8	384.7	386.1
20°	842.2	698.1	436.5	326.4	328.1	344.4	357.8	367.6	374.1	376.3	377.4
22.5°	839.8	666.8	382.3	303.8	317.2	333.5	345.0	356.1	347.4	340.3	338.4
25°	829.4	627.3	336.0	285.3	303.5	318.8	331.9	319.6	315.5	310.1	310.6
27.5°	807.1	577.9	292.4	267.9	287.5	309.3	299.7	298.1	292.9	287.5	287.5
30°	777.7	525.9	255.9	249.6	268.1	279.0	281.2	278.8	275.8	268.7	269.2
32.5°	751.2	470.9	230.0	234.3	255.9	255.9	265.4	265.4	254.5	234.6	234.6
35°	725.1	419.1	210.9	221.5	235.7	240.3	253.4	236.2	220.7	211.7	211.2
37.5°	704.6	374.9	198.4	210.6	216.1	227.8	228.1	215.5	210.4	202.2	201.4
40°	692.7	337.9	190.7	205.2	205.7	216.6	198.6	202.2	201.1	194.8	194.0
42.5°	686.1	309.3	185.0	200.5	197.8	187.2	183.9	189.9	191.8	188.6	187.2
45°	680.9	286.9	180.4	184.5	191.6	172.2	170.8	175.5	179.6	179.3	178.2
47.5°	678.2	271.4	176.3	174.4	175.8	163.2	160.5	162.7	167.8	171.1	170.8
50°	667.6	259.4	170.3	164.0	155.3	155.3	154.0	154.0	160.2	166.8	167.3
52.5°	648.8	245.2	161.6	154.2	144.1	148.5	149.0	148.0	154.5	161.6	162.1
55°	628.1	234.6	149.9	145.2	134.9	142.2	144.7	143.6	148.0	152.9	152.6
57.5°	628.3	234.3	139.8	136.2	126.2	134.3	140.3	140.6	140.3	143.9	143.9
60°	644.1	239.8	131.9	124.3	116.1	125.9	135.7	135.7	133.8	139.0	139.5
62.5°	648.8	239.2	127.0	112.8	107.1	118.3	128.9	130.5	129.2	136.5	137.3
65°	607.9	226.4	122.1	102.5	98.9	109.8	120.4	125.1	123.7	133.2	134.3
67.5°	551.2	209.8	114.4	93.2	90.5	101.6	111.7	116.6	116.4	128.9	129.4
70°	475.2	189.4	104.9	83.7	82.3	92.1	101.1	106.3	108.7	123.2	122.9
72.5°	368.1	162.4	90.5	73.6	73.3	82.3	90.2	95.9	100.5	114.4	114.4
75°	237.3	127.8	73.8	63.8	62.7	71.1	79.3	85.8	100.0	122.1	121.8
77.5°	145.0	97.5	59.4	53.1	52.9	60.5	68.7	79.8	109.3	108.7	105.7
80°	86.9	70.0	47.4	42.5	42.5	49.6	58.6	85.6	90.7	103.5	97.8
82.5°	45.2	43.1	35.4	31.3	32.7	39.0	53.4	68.4	74.1	62.9	57.8
85°	18.5	22.9	21.8	19.9	20.7	27.0	51.5	54.8	43.9	46.0	46.3
87.5°	6.3	10.1	10.1	7.9	8.7	19.1	30.5	18.3	22.1	13.1	9.8
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)