

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: P671935

Luminaire Tested: **CCP-SA-1C-727-U-AFL**

Issue Date: 04/16/2023

Test Information

Test Method: LM-79-08
Report Number: P671935
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1C-727-U-AFL
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @615mA w/ AFL
distribution lens
Light Source: (16) 2700K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3815.7 lumens
Efficiency: N/A
Efficacy: 119.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

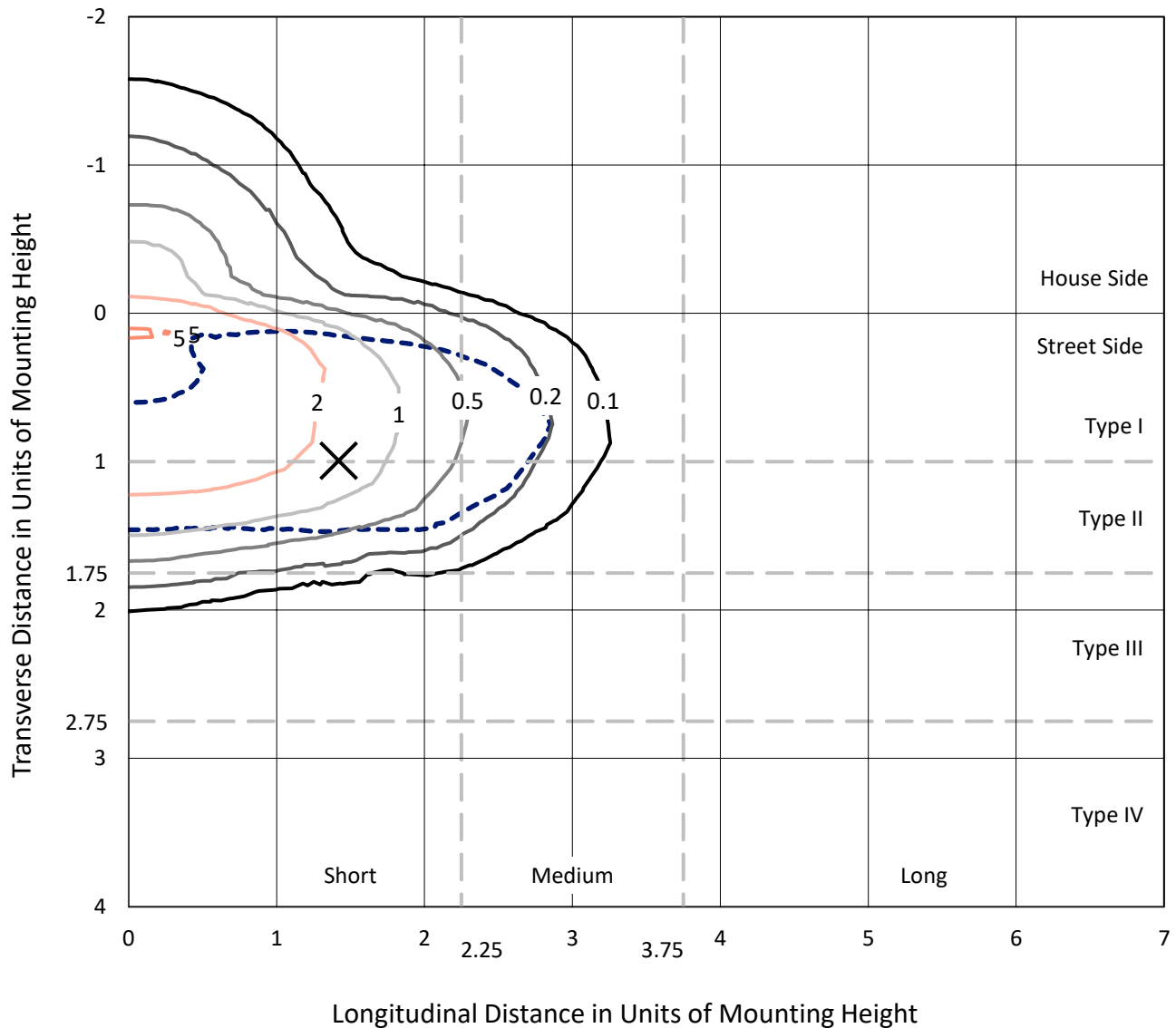
Input Watts (W): 32
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Iso-Footcandle Lines of Horizontal Illumination

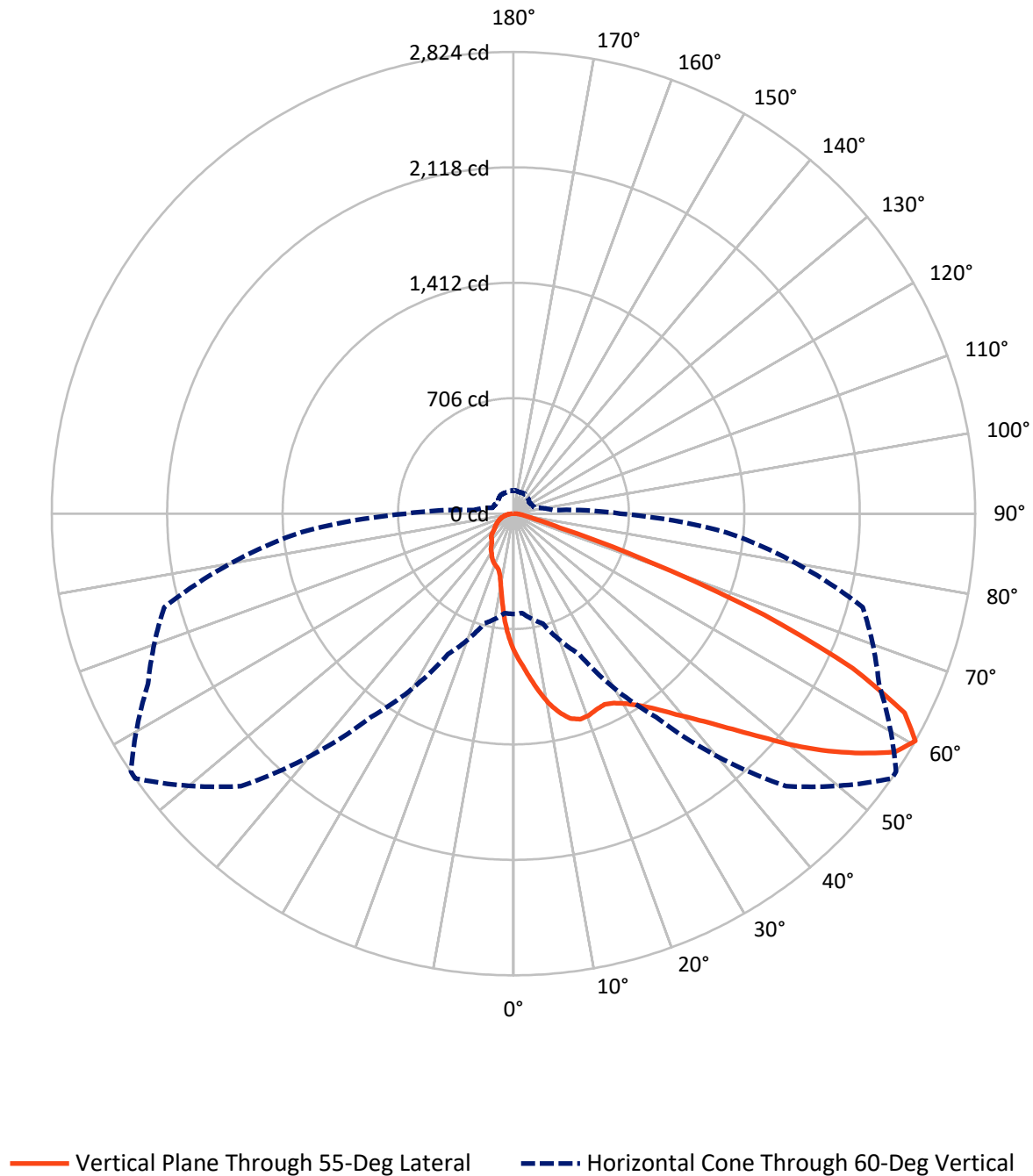
× Max cd
- - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 5.3 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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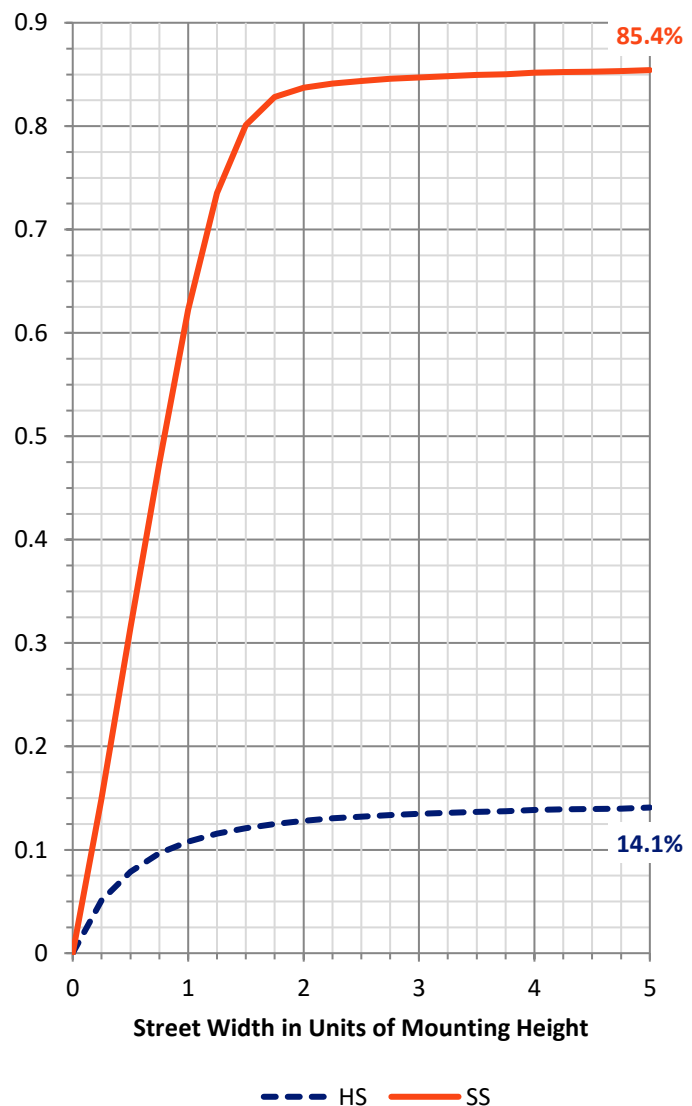
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	548.5	0.0	548.5
	% Fixture	14.4	0.0	14.4
Street Side	Lumens	3267.2	0.0	3267.2
	% Fixture	85.6	0.0	85.6
Total	Lumens	3815.7	0.0	3815.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	79.2	2.1
10°-20°	224.4	5.9
20°-30°	365.3	9.6
30°-40°	546.0	14.3
40°-50°	802.5	21.0
50°-60°	940.6	24.6
60°-70°	620.2	16.3
70°-80°	197.5	5.2
80°-90°	40.2	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°	3815.7	100.0
0°-180°	3815.7	100.0

Coefficient of Utilization



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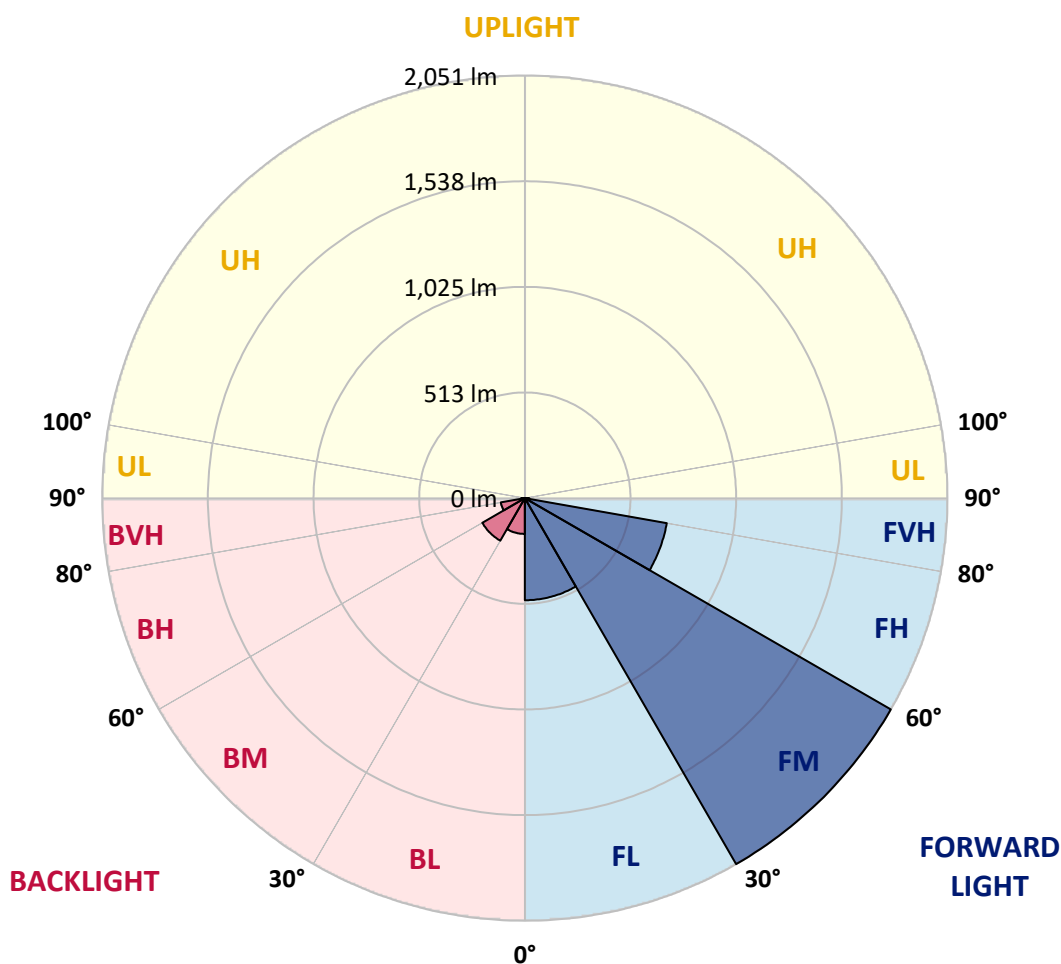
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	495.2	13.0			
FM	(30°-60°)	2050.7	53.7			
FH	(60°-80°)	699.3	18.3			G1/1800
FVH	(80°-90°)	22.0	0.6			G1/100
BL	(0°-30°)	173.6	4.6	B1/500		
BM	(30°-60°)	238.4	6.2	B1/1000		
BH	(60°-80°)	118.4	3.1	B1/500		G1/500
BVH	(80°-90°)	18.1	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°	846.2	846.2	846.2	846.2	846.2	846.2	846.2	846.2	846.2	846.2	846.2
2.5°	984.8	981.2	981.2	972.1	958.5	939.7	917.3	911.8	903.2	881.4	853.2
5°	1135.0	1131.1	1125.8	1109.8	1084.6	1047.0	999.7	991.2	960.5	915.4	864.5
7.5°	1234.2	1232.0	1230.4	1216.5	1191.7	1154.6	1091.3	1081.6	1029.6	954.9	875.3
10°	1224.0	1230.6	1242.3	1251.9	1256.9	1237.8	1178.4	1167.0	1102.6	1000.8	891.3
12.5°	1128.0	1137.5	1159.0	1198.6	1244.2	1281.0	1247.2	1240.9	1180.6	1049.5	911.5
15°	1056.7	1060.6	1071.1	1100.4	1168.4	1266.6	1300.6	1294.8	1253.3	1112.0	934.7
17.5°	1034.6	1036.2	1038.7	1048.4	1094.9	1210.5	1322.5	1328.0	1323.8	1177.0	961.0
20°	1045.6	1046.7	1047.0	1048.7	1070.8	1163.4	1316.7	1326.1	1385.8	1242.0	987.0
22.5°	1088.2	1086.8	1084.9	1078.5	1091.0	1155.2	1301.2	1316.1	1433.6	1301.2	1011.1
25°	1162.6	1160.7	1147.1	1133.9	1139.1	1185.0	1292.9	1308.9	1471.0	1357.0	1028.8
27.5°	1251.1	1249.2	1235.4	1210.2	1204.7	1234.8	1312.2	1322.2	1498.3	1406.5	1036.5
30°	1342.9	1342.9	1325.8	1296.7	1279.0	1291.8	1347.9	1355.9	1519.1	1454.4	1041.5
32.5°	1443.0	1445.8	1419.3	1386.1	1366.4	1359.0	1398.0	1404.9	1549.2	1510.8	1052.0
35°	1571.6	1565.6	1533.2	1489.5	1458.0	1441.1	1459.9	1467.9	1593.5	1581.0	1068.9
37.5°	1716.3	1705.5	1665.7	1613.4	1558.4	1530.2	1542.6	1544.5	1659.0	1672.6	1099.6
40°	1835.7	1833.8	1800.1	1750.6	1681.1	1643.3	1637.2	1638.3	1750.0	1781.0	1146.0
42.5°	1936.4	1929.2	1923.1	1905.7	1832.1	1769.9	1745.0	1745.3	1848.7	1893.0	1192.8
45°	1980.9	1979.5	1997.5	2042.3	1989.5	1916.2	1880.8	1885.8	1961.8	2008.0	1237.8
47.5°	1961.8	1963.0	2011.1	2128.6	2159.9	2103.7	2040.9	2037.9	2071.4	2096.3	1277.7
50°	1791.5	1809.5	1939.7	2136.6	2271.6	2299.5	2228.7	2217.4	2167.3	2166.5	1302.0
52.5°	1662.9	1662.1	1742.0	2055.0	2311.1	2476.2	2412.6	2387.2	2246.7	2206.0	1303.9
55°	1489.2	1488.1	1547.6	1816.4	2232.6	2599.6	2586.0	2554.2	2319.4	2219.0	1290.7
57.5°	1127.8	1148.8	1208.0	1454.1	1983.7	2579.9	2751.7	2725.1	2390.5	2213.2	1288.2
60°	613.7	611.2	696.9	947.7	1518.8	2357.0	2823.9	2822.5	2466.0	2211.0	1303.4
62.5°	282.9	280.1	297.3	422.0	870.9	1888.3	2684.5	2704.4	2536.0	2190.8	1302.0
65°	211.6	204.4	181.1	196.4	333.2	1127.2	2280.2	2333.3	2428.1	2107.9	1241.7
67.5°	188.6	181.7	154.6	144.9	167.3	397.7	1654.0	1703.0	2030.4	1952.4	1144.1
70°	172.8	166.8	139.7	124.4	125.6	176.2	865.9	962.1	1488.1	1629.4	975.1
72.5°	157.6	152.4	127.8	109.5	105.6	116.4	295.1	355.9	925.6	1187.5	727.1
75°	141.6	136.6	115.0	98.2	90.7	86.3	140.5	151.3	489.5	655.7	390.2
77.5°	123.1	120.3	102.6	86.6	80.2	65.3	93.5	98.2	209.6	257.5	185.8
80°	107.0	104.8	91.5	78.5	71.9	50.3	64.4	67.8	103.4	128.6	104.0
82.5°	69.7	75.2	75.8	67.5	63.3	40.4	42.6	45.1	68.6	75.8	45.4
85°	28.8	34.8	52.3	46.5	44.0	34.3	28.2	28.8	42.0	44.2	16.3
87.5°	13.0	14.4	25.7	26.0	22.7	13.0	14.1	15.5	21.6	21.3	7.2
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°	846.2	846.2	846.2	846.2	846.2	846.2	846.2	846.2	846.2	846.2	846.2
2.5°	845.4	832.7	810.0	781.0	760.2	745.0	728.4	716.3	702.7	690.8	692.8
5°	843.5	818.9	768.0	714.1	661.5	618.4	582.4	555.9	528.5	517.7	516.3
7.5°	845.1	803.4	719.9	631.6	551.7	496.7	454.9	429.8	414.0	404.9	405.4
10°	844.6	788.7	667.9	546.2	458.8	408.5	383.0	374.7	373.3	374.4	376.1
12.5°	845.4	768.8	609.5	469.3	392.1	366.4	367.5	375.0	379.7	382.7	384.7
15°	849.0	752.5	549.8	408.7	357.3	358.1	370.0	381.6	388.6	391.9	393.5
17.5°	854.3	732.0	496.7	362.8	342.6	355.4	370.9	383.3	388.6	390.5	391.9
20°	854.8	708.5	443.0	331.3	333.0	349.6	363.1	373.1	379.7	381.9	383.0
22.5°	852.3	676.7	388.0	308.4	321.9	338.5	350.1	361.5	352.6	345.4	343.5
25°	841.8	636.6	341.0	289.5	308.1	323.6	336.8	324.4	320.2	314.7	315.3
27.5°	819.1	586.6	296.7	271.8	291.8	313.9	304.2	302.5	297.3	291.8	291.8
30°	789.3	533.7	259.7	253.3	272.1	283.2	285.4	282.9	279.9	272.7	273.2
32.5°	762.4	477.9	233.4	237.8	259.7	259.7	269.4	269.4	258.3	238.1	238.1
35°	735.9	425.3	214.0	224.8	239.2	243.9	257.2	239.8	224.0	214.9	214.3
37.5°	715.2	380.5	201.3	213.8	219.3	231.2	231.5	218.8	213.5	205.2	204.4
40°	703.0	342.9	193.6	208.2	208.8	219.9	201.6	205.2	204.1	197.7	196.9
42.5°	696.4	313.9	187.8	203.5	200.8	190.0	186.7	192.8	194.7	191.4	190.0
45°	691.1	291.2	183.1	187.2	194.4	174.8	173.4	178.1	182.2	182.0	180.9
47.5°	688.3	275.4	178.9	177.0	178.4	165.7	162.9	165.1	170.4	173.7	173.4
50°	677.5	263.3	172.8	166.5	157.6	157.6	156.3	156.3	162.6	169.2	169.8
52.5°	658.5	248.9	164.0	156.5	146.3	150.7	151.3	150.2	156.8	164.0	164.5
55°	637.4	238.1	152.1	147.4	136.9	144.4	146.8	145.7	150.2	155.1	154.9
57.5°	637.7	237.8	141.9	138.3	128.0	136.3	142.4	142.7	142.4	146.0	146.0
60°	653.8	243.4	133.9	126.1	117.8	127.8	137.7	137.7	135.8	141.0	141.6
62.5°	658.5	242.8	128.9	114.5	108.7	120.0	130.8	132.5	131.1	138.6	139.4
65°	617.0	229.8	123.9	104.0	100.4	111.4	122.2	126.9	125.6	135.2	136.3
67.5°	559.5	212.9	116.2	94.6	91.8	103.2	113.4	118.4	118.1	130.8	131.4
70°	482.3	192.2	106.5	84.9	83.5	93.5	102.6	107.9	110.3	125.0	124.7
72.5°	373.6	164.8	91.8	74.7	74.4	83.5	91.5	97.3	102.0	116.2	116.2
75°	240.9	129.7	74.9	64.7	63.6	72.2	80.5	87.1	101.5	123.9	123.6
77.5°	147.1	99.0	60.3	53.9	53.7	61.4	69.7	81.0	110.9	110.3	107.3
80°	88.2	71.1	48.1	43.1	43.1	50.3	59.5	86.8	92.1	105.1	99.3
82.5°	45.9	43.7	36.0	31.8	33.2	39.5	54.2	69.4	75.2	63.9	58.6
85°	18.8	23.2	22.1	20.2	21.0	27.4	52.3	55.6	44.5	46.7	47.0
87.5°	6.4	10.2	10.2	8.0	8.8	19.4	31.0	18.5	22.4	13.3	10.0
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)