

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: P671939

Luminaire Tested: **CCP-SA-2A-727-U-AFL**

Issue Date: 04/16/2023

Test Information

Test Method: LM-79-08
Report Number: P671939
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2A-727-U-AFL
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @350mA w/ AFL
distribution lens
Light Source: (32) 2700K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4617.8 lumens
Efficiency: N/A
Efficacy: 127.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

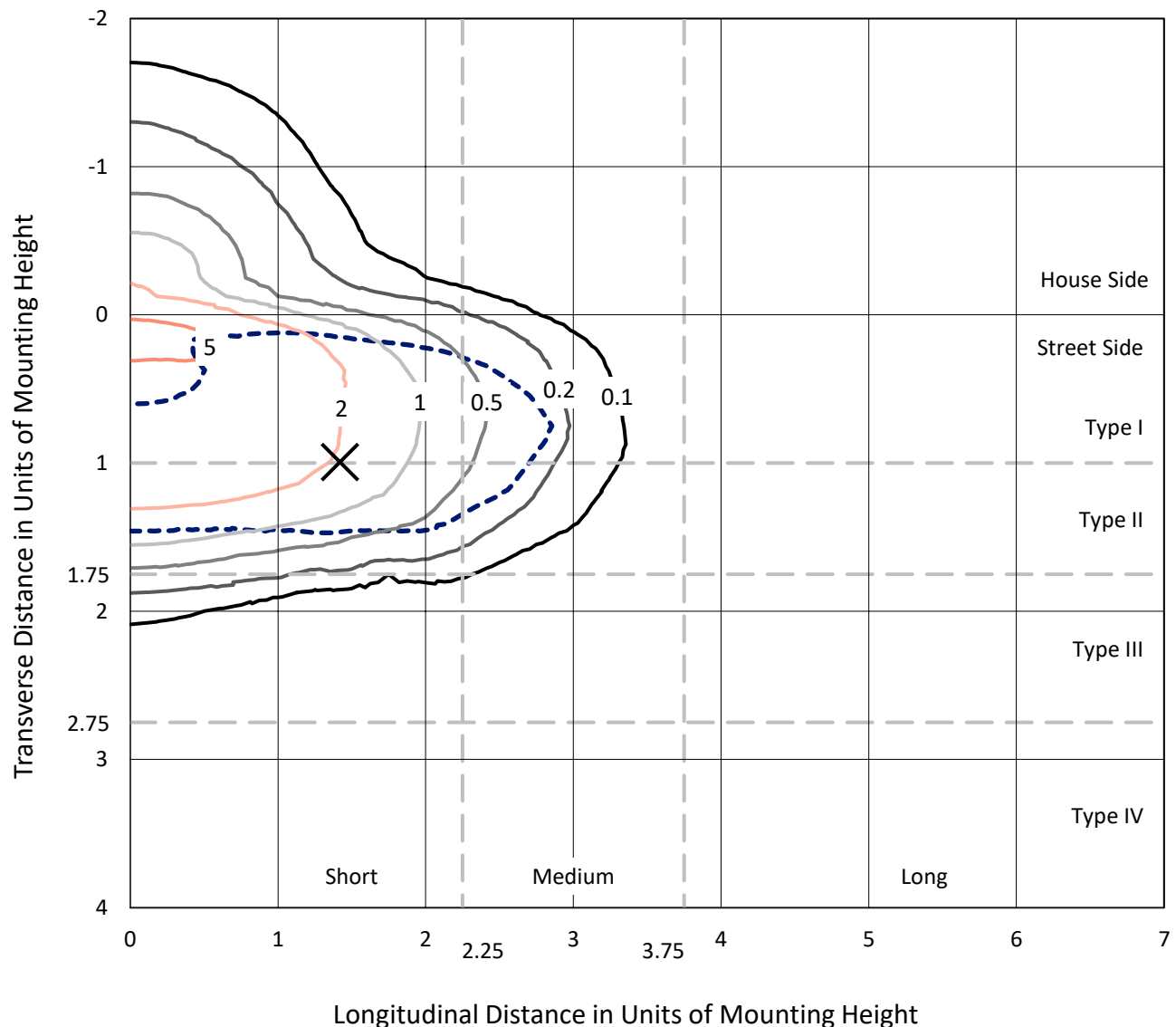
Input Watts (W): 36.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Iso-Footcandle Lines of Horizontal Illumination

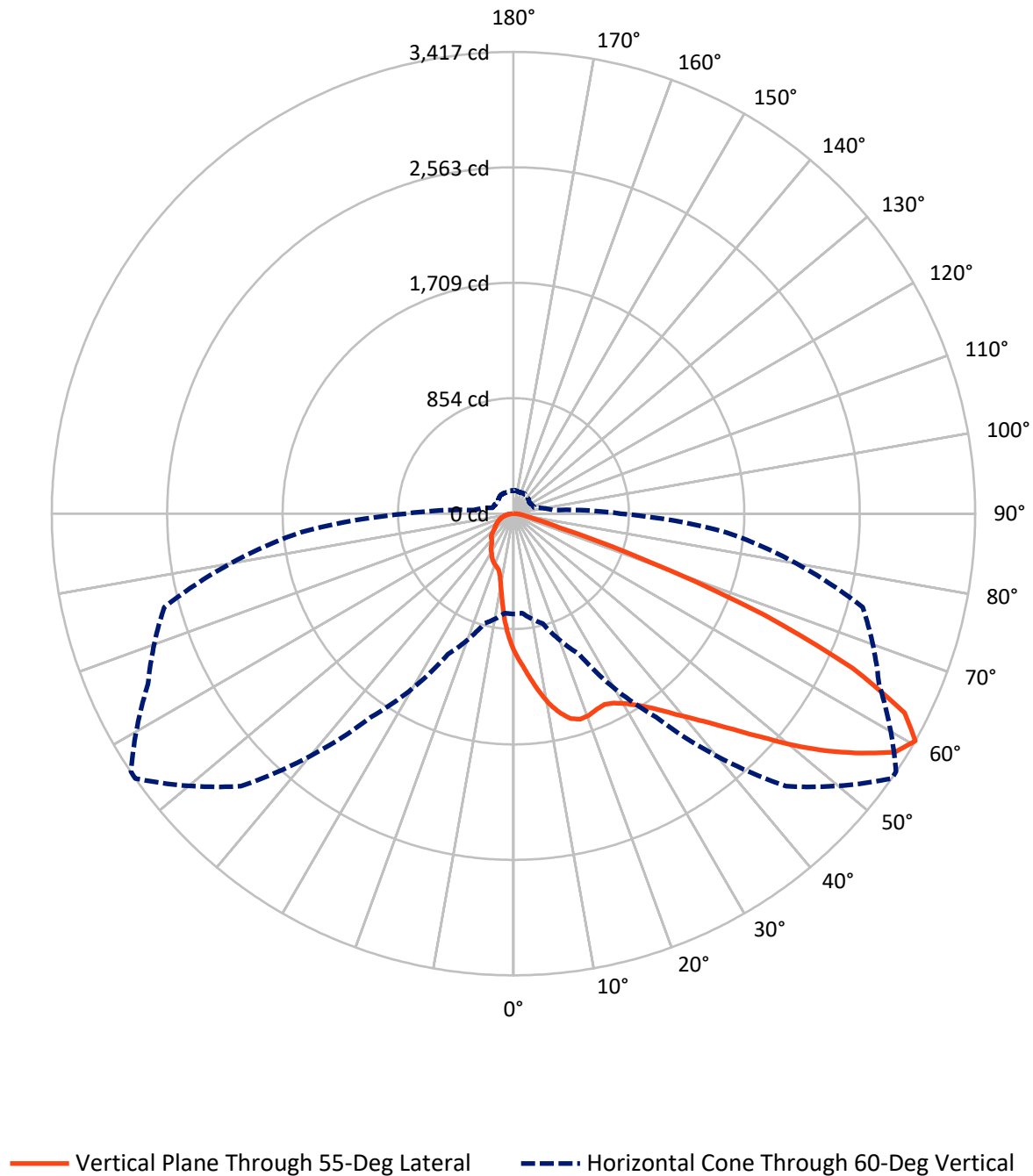
✕ Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 6.4 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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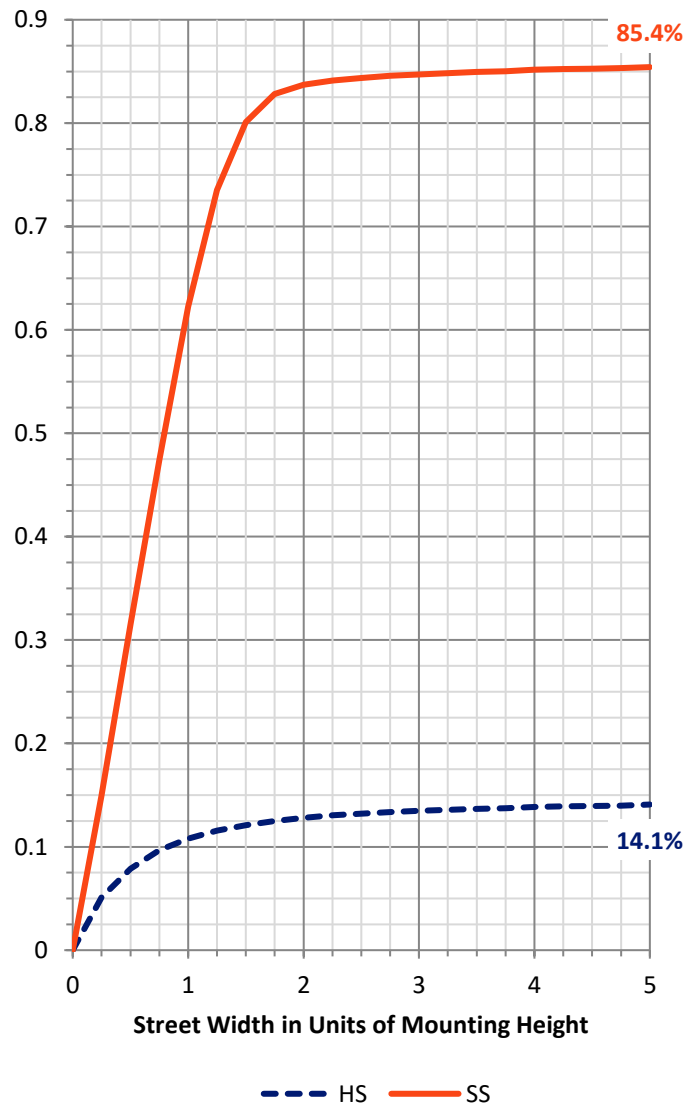
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	663.8	0.0	663.8
	% Fixture	14.4	0.0	14.4
Street Side	Lumens	3954.0	0.0	3954.0
	% Fixture	85.6	0.0	85.6
Total	Lumens	4617.8	0.0	4617.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	95.8	2.1
10°-20°	271.5	5.9
20°-30°	442.1	9.6
30°-40°	660.8	14.3
40°-50°	971.2	21.0
50°-60°	1138.3	24.6
60°-70°	750.5	16.3
70°-80°	239.0	5.2
80°-90°	48.6	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°	4617.8	100.0
0°-180°	4617.8	100.0

Coefficient of Utilization



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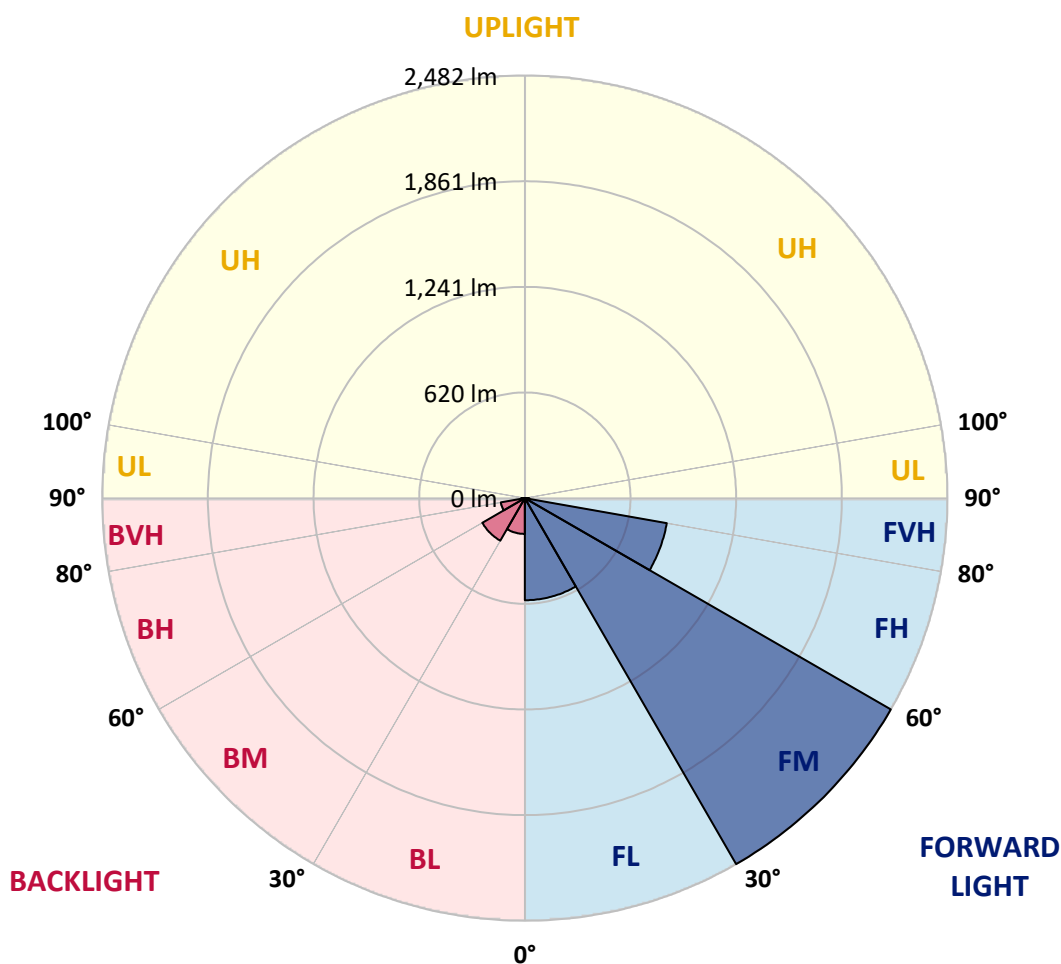
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	599.3	13.0			
FM	(30°-60°)	2481.7	53.7			
FH	(60°-80°)	846.3	18.3			G1/1800
FVH	(80°-90°)	26.7	0.6			G1/100
BL	(0°-30°)	210.1	4.6	B1/500		
BM	(30°-60°)	288.5	6.2	B1/1000		
BH	(60°-80°)	143.2	3.1	B1/500		G1/500
BVH	(80°-90°)	21.9	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°	1024.1	1024.1	1024.1	1024.1	1024.1	1024.1	1024.1	1024.1	1024.1	1024.1	1024.1
2.5°	1191.8	1187.4	1187.4	1176.4	1160.0	1137.2	1110.1	1103.4	1093.1	1066.6	1032.5
5°	1373.5	1368.8	1362.5	1343.1	1312.6	1267.1	1209.9	1199.5	1162.3	1107.8	1046.2
7.5°	1493.7	1491.0	1489.0	1472.3	1442.1	1397.3	1320.7	1308.9	1246.0	1155.7	1059.3
10°	1481.3	1489.3	1503.4	1515.1	1521.1	1498.0	1426.1	1412.4	1334.4	1211.2	1078.7
12.5°	1365.2	1376.5	1402.6	1450.5	1505.7	1550.2	1509.4	1501.7	1428.8	1270.1	1103.1
15°	1278.8	1283.5	1296.2	1331.7	1414.0	1532.8	1574.0	1567.0	1516.8	1345.8	1131.2
17.5°	1252.0	1254.1	1257.1	1268.8	1325.0	1464.9	1600.4	1607.1	1602.1	1424.4	1163.0
20°	1265.4	1266.8	1267.1	1269.1	1295.9	1408.0	1593.4	1604.8	1677.1	1503.1	1194.5
22.5°	1317.0	1315.3	1313.0	1305.3	1320.3	1398.0	1574.7	1592.7	1735.0	1574.7	1223.6
25°	1407.0	1404.7	1388.3	1372.2	1378.6	1434.1	1564.6	1584.0	1780.2	1642.3	1245.0
27.5°	1514.1	1511.8	1495.0	1464.6	1457.9	1494.4	1588.1	1600.1	1813.3	1702.2	1254.4
30°	1625.2	1625.2	1604.5	1569.3	1547.9	1563.3	1631.2	1640.9	1838.4	1760.1	1260.4
32.5°	1746.4	1749.7	1717.6	1677.4	1653.7	1644.6	1691.8	1700.2	1874.9	1828.4	1273.1
35°	1902.0	1894.6	1855.5	1802.6	1764.4	1744.0	1766.8	1776.5	1928.4	1913.4	1293.5
37.5°	2077.0	2064.0	2015.8	1952.5	1885.9	1851.8	1866.9	1869.2	2007.8	2024.2	1330.7
40°	2221.6	2219.3	2178.4	2118.5	2034.5	1988.7	1981.3	1982.7	2117.9	2155.3	1386.9
42.5°	2343.4	2334.7	2327.4	2306.3	2217.3	2142.0	2111.8	2112.2	2237.3	2290.9	1443.5
45°	2397.3	2395.6	2417.4	2471.6	2407.7	2319.0	2276.2	2282.2	2374.2	2430.1	1498.0
47.5°	2374.2	2375.6	2433.8	2576.0	2613.9	2545.9	2469.9	2466.3	2506.8	2536.9	1546.2
50°	2168.1	2189.8	2347.5	2585.7	2749.1	2782.9	2697.2	2683.5	2622.9	2621.9	1575.7
52.5°	2012.4	2011.4	2108.2	2487.0	2796.9	2996.7	2919.8	2889.0	2718.9	2669.8	1578.0
55°	1802.3	1800.9	1872.9	2198.2	2701.9	3146.0	3129.6	3091.1	2807.0	2685.5	1562.0
57.5°	1364.8	1390.3	1461.9	1759.8	2400.7	3122.2	3330.1	3297.9	2893.0	2678.5	1558.9
60°	742.7	739.6	843.4	1147.0	1838.1	2852.5	3417.4	3415.8	2984.4	2675.8	1577.4
62.5°	342.4	339.0	359.8	510.7	1053.9	2285.2	3248.7	3272.8	3069.0	2651.3	1575.7
65°	256.0	247.3	219.2	237.6	403.3	1364.2	2759.4	2823.7	2938.5	2550.9	1502.7
67.5°	228.3	219.9	187.1	175.4	202.5	481.3	2001.7	2061.0	2457.2	2362.8	1384.6
70°	209.2	201.8	169.0	150.6	151.9	213.2	1047.9	1164.4	1800.9	1971.9	1180.1
72.5°	190.8	184.4	154.6	132.5	127.8	140.9	357.1	430.7	1120.2	1437.1	879.9
75°	171.4	165.3	139.2	118.8	109.8	104.4	170.0	183.1	592.4	793.5	472.2
77.5°	148.9	145.6	124.2	104.8	97.1	79.0	113.1	118.8	253.7	311.6	224.9
80°	129.5	126.8	110.8	95.0	87.0	60.9	78.0	82.0	125.2	155.6	125.8
82.5°	84.3	91.0	91.7	81.7	76.6	48.9	51.5	54.6	83.0	91.7	54.9
85°	34.8	42.2	63.3	56.2	53.2	41.5	34.1	34.8	50.9	53.5	19.7
87.5°	15.7	17.4	31.1	31.5	27.4	15.7	17.1	18.7	26.1	25.8	8.7
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°	1024.1	1024.1	1024.1	1024.1	1024.1	1024.1	1024.1	1024.1	1024.1	1024.1	1024.1
2.5°	1023.1	1007.7	980.3	945.1	920.0	901.6	881.6	866.8	850.4	836.0	838.4
5°	1020.8	991.0	929.4	864.1	800.6	748.3	704.8	672.7	639.6	626.5	624.8
7.5°	1022.8	972.2	871.2	764.4	667.7	601.1	550.6	520.1	501.0	490.0	490.6
10°	1022.1	954.5	808.3	661.0	555.2	494.3	463.5	453.5	451.8	453.2	455.2
12.5°	1023.1	930.4	737.6	568.0	474.6	443.5	444.8	453.8	459.5	463.2	465.5
15°	1027.5	910.7	665.3	494.7	432.4	433.4	447.8	461.9	470.2	474.2	476.3
17.5°	1033.8	885.9	601.1	439.1	414.7	430.1	448.8	463.9	470.2	472.6	474.2
20°	1034.5	857.5	536.2	400.9	403.0	423.0	439.4	451.5	459.5	462.2	463.5
22.5°	1031.5	819.0	469.6	373.2	389.6	409.6	423.7	437.4	426.7	418.0	415.7
25°	1018.8	770.4	412.7	350.4	372.8	391.6	407.6	392.6	387.6	380.9	381.5
27.5°	991.3	709.9	359.1	329.0	353.1	379.9	368.1	366.1	359.8	353.1	353.1
30°	955.2	645.9	314.3	306.6	329.3	342.7	345.4	342.4	338.7	330.0	330.7
32.5°	922.7	578.3	282.5	287.8	314.3	314.3	326.0	326.0	312.6	288.2	288.2
35°	890.6	514.7	259.0	272.1	289.5	295.2	311.3	290.2	271.1	260.0	259.4
37.5°	865.5	460.5	243.6	258.7	265.4	279.8	280.1	264.7	258.4	248.3	247.3
40°	850.8	415.0	234.3	252.0	252.7	266.1	244.0	248.3	247.0	239.3	238.3
42.5°	842.7	379.9	227.2	246.3	243.0	229.9	225.9	233.3	235.6	231.6	229.9
45°	836.4	352.4	221.6	226.6	235.3	211.5	209.8	215.5	220.6	220.2	218.9
47.5°	833.0	333.3	216.5	214.2	215.9	200.5	197.1	199.8	206.2	210.2	209.8
50°	820.0	318.6	209.2	201.5	190.8	190.8	189.1	189.1	196.8	204.8	205.5
52.5°	796.9	301.2	198.5	189.4	177.0	182.4	183.1	181.7	189.8	198.5	199.1
55°	771.4	288.2	184.1	178.4	165.7	174.7	177.7	176.4	181.7	187.8	187.4
57.5°	771.8	287.8	171.7	167.3	155.0	165.0	172.4	172.7	172.4	176.7	176.7
60°	791.2	294.5	162.0	152.6	142.6	154.6	166.7	166.7	164.3	170.7	171.4
62.5°	796.9	293.9	156.0	138.6	131.5	145.3	158.3	160.3	158.6	167.7	168.7
65°	746.7	278.1	149.9	125.8	121.5	134.9	147.9	153.6	151.9	163.7	165.0
67.5°	677.1	257.7	140.6	114.5	111.1	124.8	137.2	143.2	142.9	158.3	159.0
70°	583.7	232.6	128.9	102.7	101.1	113.1	124.2	130.5	133.5	151.3	150.9
72.5°	452.2	199.5	111.1	90.4	90.0	101.1	110.8	117.8	123.5	140.6	140.6
75°	291.5	157.0	90.7	78.3	77.0	87.4	97.4	105.4	122.8	149.9	149.6
77.5°	178.1	119.8	73.0	65.3	64.9	74.3	84.3	98.1	134.2	133.5	129.9
80°	106.8	86.0	58.2	52.2	52.2	60.9	72.0	105.1	111.4	127.2	120.2
82.5°	55.6	52.9	43.5	38.5	40.2	47.9	65.6	84.0	91.0	77.3	71.0
85°	22.8	28.1	26.8	24.4	25.4	33.1	63.3	67.3	53.9	56.6	56.9
87.5°	7.7	12.4	12.4	9.7	10.7	23.4	37.5	22.4	27.1	16.1	12.0
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)