

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: P671968

Luminaire Tested: **CCP-SA-1C-740-U-AFL**

Issue Date: 04/16/2023

Test Information

Test Method: LM-79-08
Report Number: P671968
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1C-740-U-AFL
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @615mA w/ AFL
distribution lens
Light Source: (16) 4000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4562.7 lumens
Efficiency: N/A
Efficacy: 142.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

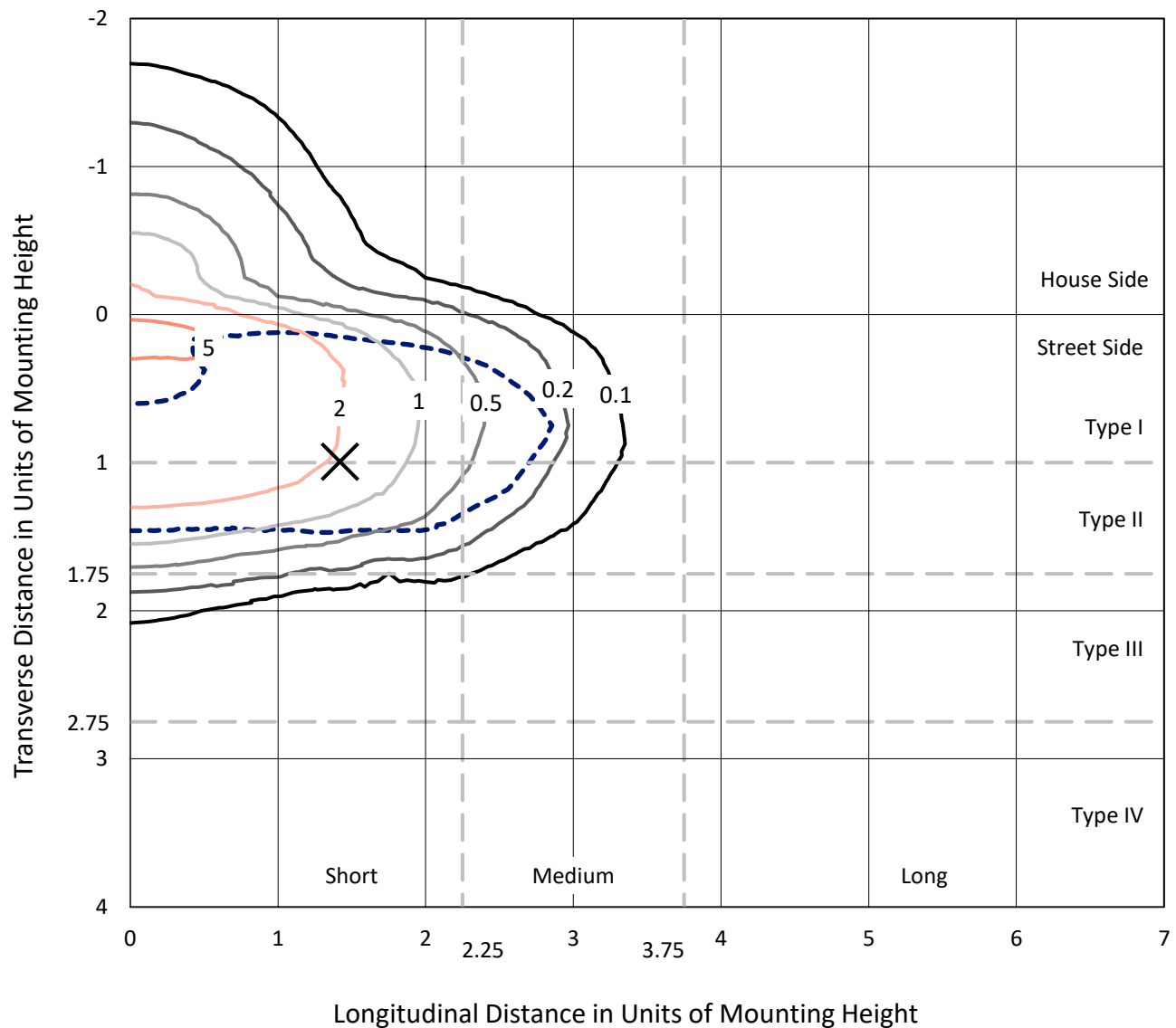
Input Watts (W): 32
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Iso-Footcandle Lines of Horizontal Illumination

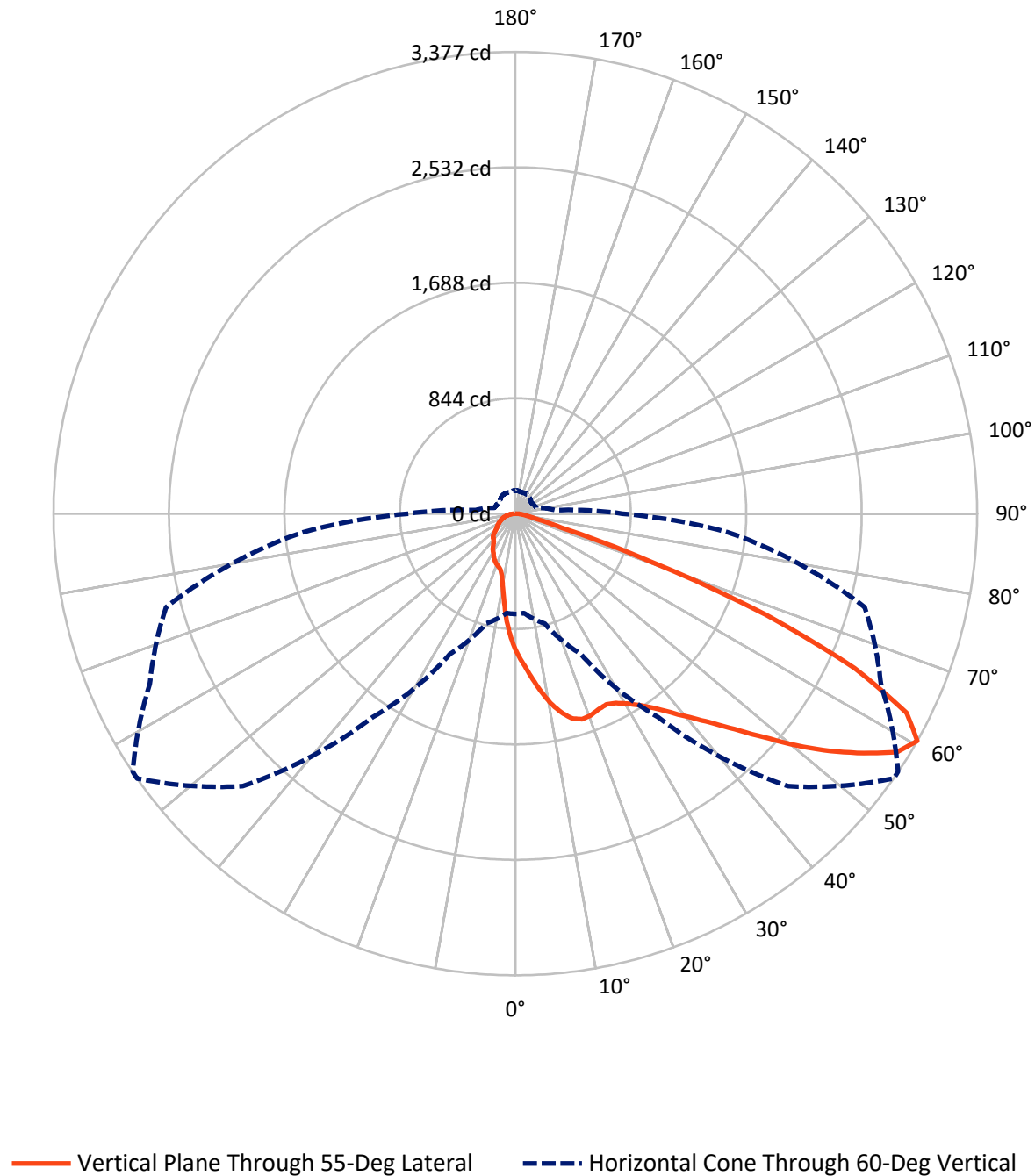
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 6.3 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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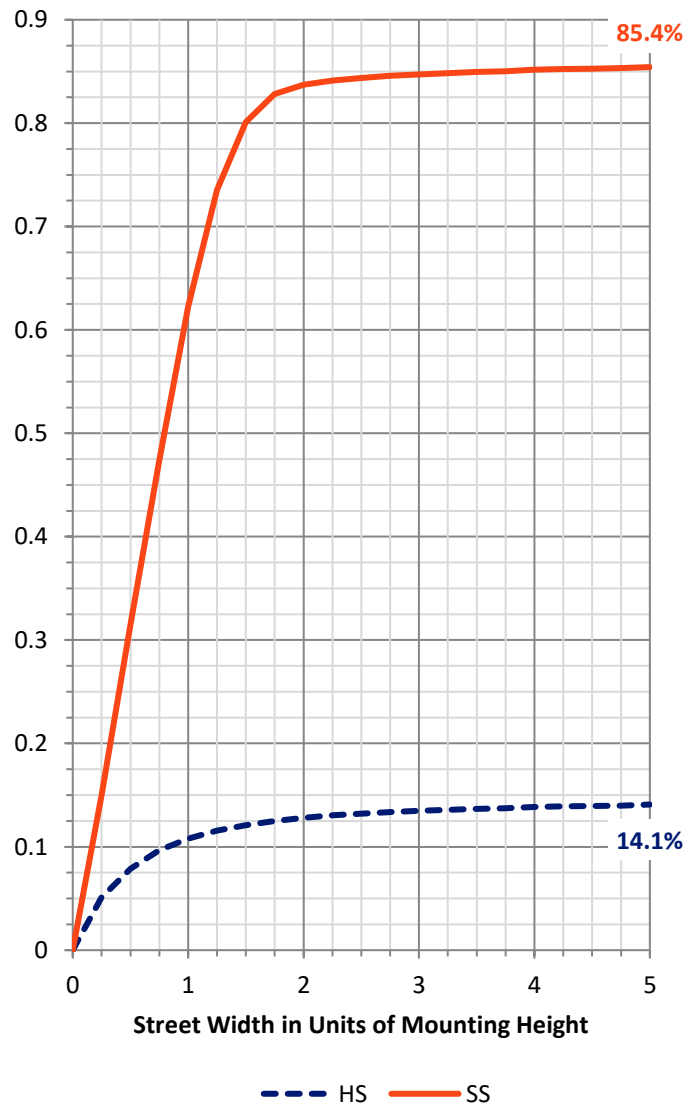
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	655.9	0.0	655.9
	% Fixture	14.4	0.0	14.4
Street Side	Lumens	3906.8	0.0	3906.8
	% Fixture	85.6	0.0	85.6
Total	Lumens	4562.7	0.0	4562.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	94.7	2.1
10°-20°	268.3	5.9
20°-30°	436.8	9.6
30°-40°	652.9	14.3
40°-50°	959.6	21.0
50°-60°	1124.7	24.6
60°-70°	741.6	16.3
70°-80°	236.1	5.2
80°-90°	48.0	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°	4562.7	100.0
0°-180°	4562.7	100.0

Coefficient of Utilization



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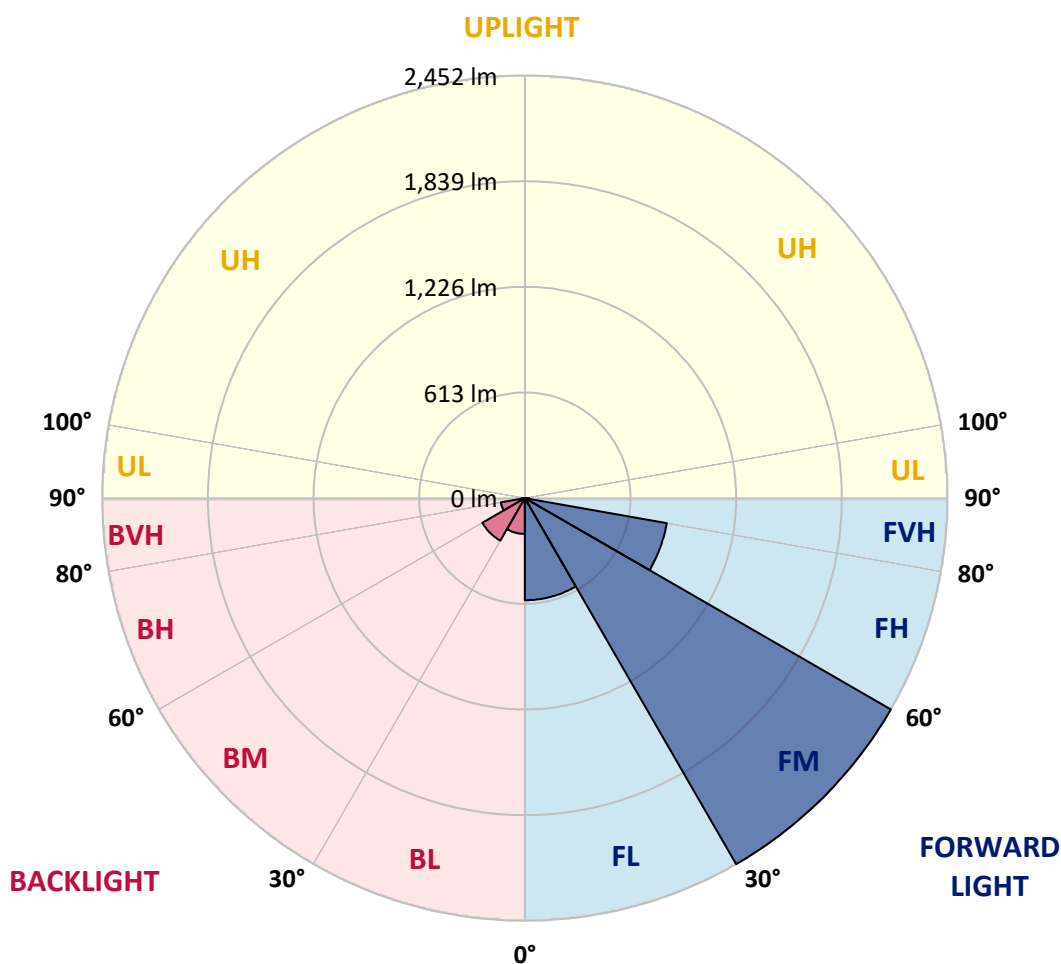
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	592.2	13.0			
FM	(30°-60°)	2452.1	53.7			
FH	(60°-80°)	836.2	18.3			G1/1800
FVH	(80°-90°)	26.3	0.6			G1/100
BL	(0°-30°)	207.6	4.6	B1/500		
BM	(30°-60°)	285.1	6.2	B1/1000		
BH	(60°-80°)	141.5	3.1	B1/500		G1/500
BVH	(80°-90°)	21.7	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°	1011.9	1011.9	1011.9	1011.9	1011.9	1011.9	1011.9	1011.9	1011.9	1011.9	1011.9
2.5°	1177.6	1173.3	1173.3	1162.4	1146.1	1123.7	1096.9	1090.3	1080.0	1053.9	1020.2
5°	1357.1	1352.5	1346.2	1327.0	1296.9	1252.0	1195.4	1185.2	1148.5	1094.6	1033.7
7.5°	1475.8	1473.2	1471.2	1454.7	1424.9	1380.6	1304.9	1293.3	1231.1	1141.8	1046.6
10°	1463.6	1471.5	1485.4	1497.0	1503.0	1480.1	1409.0	1395.5	1318.4	1196.7	1065.8
12.5°	1348.9	1360.1	1385.9	1433.2	1487.7	1531.7	1491.4	1483.8	1411.7	1254.9	1089.9
15°	1263.5	1268.2	1280.7	1315.8	1397.1	1514.5	1555.2	1548.3	1498.7	1329.7	1117.7
17.5°	1237.1	1239.1	1242.0	1253.6	1309.2	1447.4	1581.3	1587.9	1583.0	1407.4	1149.1
20°	1250.3	1251.6	1252.0	1254.0	1280.4	1391.2	1574.4	1585.6	1657.1	1485.1	1180.2
22.5°	1301.2	1299.6	1297.3	1289.7	1304.5	1381.3	1555.9	1573.7	1714.3	1555.9	1209.0
25°	1390.2	1387.9	1371.7	1355.8	1362.1	1417.0	1545.9	1565.1	1758.9	1622.7	1230.1
27.5°	1496.0	1493.7	1477.2	1447.1	1440.5	1476.5	1569.1	1581.0	1791.6	1681.9	1239.4
30°	1605.8	1605.8	1585.3	1550.6	1529.4	1544.6	1611.7	1621.3	1816.4	1739.1	1245.4
32.5°	1725.5	1728.8	1697.1	1657.4	1633.9	1625.0	1671.6	1679.9	1852.5	1806.5	1257.9
35°	1879.3	1872.0	1833.3	1781.1	1743.4	1723.2	1745.7	1755.3	1905.4	1890.5	1278.1
37.5°	2052.2	2039.3	1991.7	1929.2	1863.4	1829.7	1844.6	1846.9	1983.8	2000.0	1314.8
40°	2195.1	2192.8	2152.4	2093.2	2010.2	1964.9	1957.6	1959.0	2092.6	2129.6	1370.4
42.5°	2315.4	2306.8	2299.6	2278.7	2190.8	2116.4	2086.6	2086.9	2210.6	2263.5	1426.2
45°	2368.7	2367.0	2388.5	2442.1	2378.9	2291.3	2249.0	2254.9	2345.9	2401.1	1480.1
47.5°	2345.9	2347.2	2404.7	2545.3	2582.6	2515.5	2440.4	2436.8	2476.8	2506.6	1527.8
50°	2142.2	2163.7	2319.4	2554.9	2716.2	2749.6	2665.0	2651.4	2591.6	2590.6	1556.9
52.5°	1988.4	1987.4	2083.0	2457.3	2763.5	2960.9	2884.9	2854.5	2686.5	2637.9	1559.2
55°	1780.7	1779.4	1850.5	2171.9	2669.6	3108.4	3092.2	3054.2	2773.4	2653.4	1543.3
57.5°	1348.5	1373.7	1444.4	1738.7	2372.0	3084.9	3290.3	3258.6	2858.4	2646.5	1540.3
60°	733.8	730.8	833.3	1133.3	1816.1	2818.4	3376.6	3375.0	2948.7	2643.8	1558.5
62.5°	338.3	335.0	355.5	504.6	1041.3	2257.9	3209.9	3233.8	3032.4	2619.7	1556.9
65°	253.0	244.4	216.6	234.8	398.5	1347.9	2726.5	2790.0	2903.4	2520.5	1484.8
67.5°	225.5	217.3	184.9	173.3	200.1	475.5	1977.8	2036.3	2427.9	2334.6	1368.0
70°	206.7	199.4	167.0	148.8	150.1	210.6	1035.4	1150.4	1779.4	1948.4	1166.0
72.5°	188.5	182.2	152.8	131.0	126.3	139.2	352.8	425.6	1106.8	1420.0	869.4
75°	169.3	163.4	137.6	117.4	108.5	103.2	168.0	180.9	585.3	784.0	466.6
77.5°	147.2	143.8	122.7	103.5	95.9	78.0	111.8	117.4	250.7	307.9	222.2
80°	128.0	125.3	109.5	93.9	86.0	60.2	77.0	81.0	123.7	153.8	124.3
82.5°	83.3	89.9	90.6	80.7	75.7	48.3	50.9	53.9	82.0	90.6	54.2
85°	34.4	41.7	62.5	55.6	52.6	41.0	33.7	34.4	50.3	52.9	19.5
87.5°	15.5	17.2	30.8	31.1	27.1	15.5	16.9	18.5	25.8	25.5	8.6
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°	1011.9	1011.9	1011.9	1011.9	1011.9	1011.9	1011.9	1011.9	1011.9	1011.9	1011.9
2.5°	1010.9	995.7	968.6	933.8	909.0	890.9	871.0	856.5	840.3	826.0	828.4
5°	1008.6	979.2	918.3	853.8	791.0	739.4	696.4	664.7	631.9	619.0	617.4
7.5°	1010.6	960.6	860.8	755.3	659.7	593.9	544.0	513.9	495.0	484.1	484.8
10°	1009.9	943.1	798.6	653.1	548.6	488.4	458.0	448.1	446.4	447.7	449.7
12.5°	1010.9	919.3	728.8	561.2	468.9	438.2	439.5	448.4	454.0	457.7	460.0
15°	1015.2	899.8	657.4	488.7	427.2	428.2	442.5	456.3	464.6	468.6	470.6
17.5°	1021.5	875.3	593.9	433.9	409.7	424.9	443.4	458.3	464.6	466.9	468.6
20°	1022.1	847.2	529.8	396.2	398.1	418.0	434.2	446.1	454.0	456.7	458.0
22.5°	1019.2	809.2	463.9	368.7	384.9	404.8	418.6	432.2	421.6	413.0	410.7
25°	1006.6	761.2	407.7	346.2	368.4	386.9	402.8	387.9	382.9	376.3	377.0
27.5°	979.5	701.4	354.8	325.1	348.9	375.3	363.8	361.8	355.5	348.9	348.9
30°	943.8	638.2	310.5	302.9	325.4	338.6	341.3	338.3	334.7	326.1	326.7
32.5°	911.7	571.4	279.1	284.4	310.5	310.5	322.1	322.1	308.9	284.7	284.7
35°	879.9	508.6	255.9	268.8	286.0	291.7	307.5	286.7	267.9	256.9	256.3
37.5°	855.1	455.0	240.7	255.6	262.2	276.5	276.8	261.6	255.3	245.4	244.4
40°	840.6	410.0	231.5	249.0	249.7	262.9	241.1	245.4	244.0	236.4	235.4
42.5°	832.7	375.3	224.5	243.4	240.1	227.2	223.2	230.5	232.8	228.8	227.2
45°	826.4	348.2	218.9	223.9	232.5	209.0	207.3	213.0	217.9	217.6	216.3
47.5°	823.1	329.4	214.0	211.6	213.3	198.1	194.8	197.4	203.7	207.7	207.3
50°	810.2	314.8	206.7	199.1	188.5	188.5	186.8	186.8	194.4	202.4	203.0
52.5°	787.4	297.6	196.1	187.2	174.9	180.2	180.9	179.6	187.5	196.1	196.8
55°	762.2	284.7	181.9	176.3	163.7	172.6	175.6	174.3	179.6	185.5	185.2
57.5°	762.6	284.4	169.6	165.3	153.1	163.0	170.3	170.6	170.3	174.6	174.6
60°	781.7	291.0	160.1	150.8	140.9	152.8	164.7	164.7	162.4	168.6	169.3
62.5°	787.4	290.3	154.1	136.9	130.0	143.5	156.4	158.4	156.7	165.7	166.7
65°	737.8	274.8	148.1	124.3	120.0	133.3	146.2	151.8	150.1	161.7	163.0
67.5°	669.0	254.6	138.9	113.1	109.8	123.3	135.6	141.5	141.2	156.4	157.1
70°	576.7	229.8	127.3	101.5	99.9	111.8	122.7	129.0	131.9	149.5	149.1
72.5°	446.8	197.1	109.8	89.3	89.0	99.9	109.5	116.4	122.0	138.9	138.9
75°	288.0	155.1	89.6	77.4	76.1	86.3	96.2	104.2	121.4	148.1	147.8
77.5°	175.9	118.4	72.1	64.5	64.2	73.4	83.3	96.9	132.6	131.9	128.3
80°	105.5	85.0	57.5	51.6	51.6	60.2	71.1	103.8	110.1	125.7	118.7
82.5°	54.9	52.2	43.0	38.0	39.7	47.3	64.8	83.0	89.9	76.4	70.1
85°	22.5	27.8	26.5	24.1	25.1	32.7	62.5	66.5	53.2	55.9	56.2
87.5°	7.6	12.2	12.2	9.6	10.6	23.1	37.0	22.2	26.8	15.9	11.9
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)