

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: P672027

Luminaire Tested: **CCP-SA-2A-835-U-AFL**

Issue Date: 04/16/2023

Test Information

Test Method: LM-79-08
Report Number: P672027
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2A-835-U-AFL
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @350mA w/ AFL
distribution lens
Light Source: (32) 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4549.9 lumens
Efficiency: N/A
Efficacy: 125.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

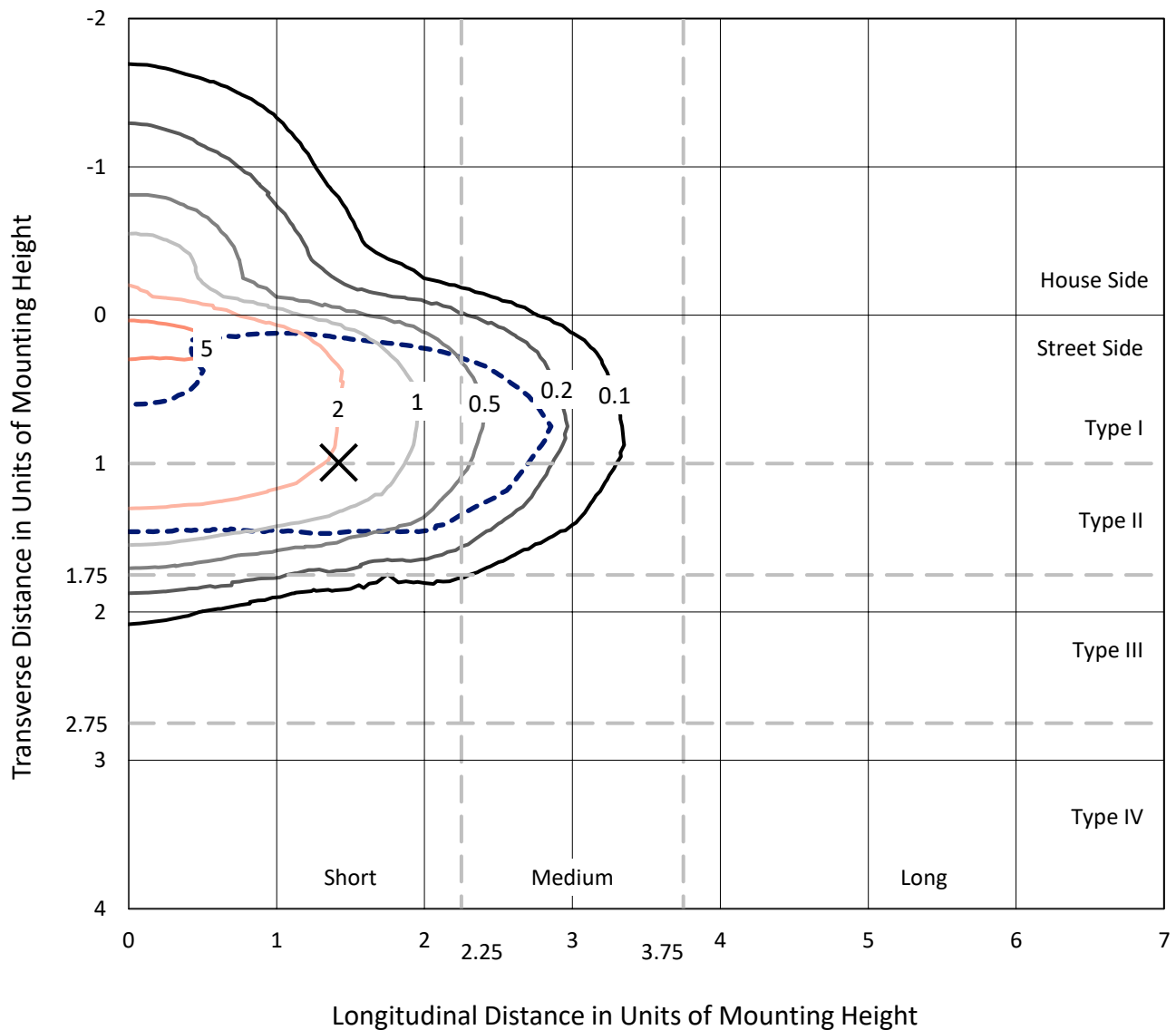
Input Watts (W): 36.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Iso-Footcandle Lines of Horizontal Illumination

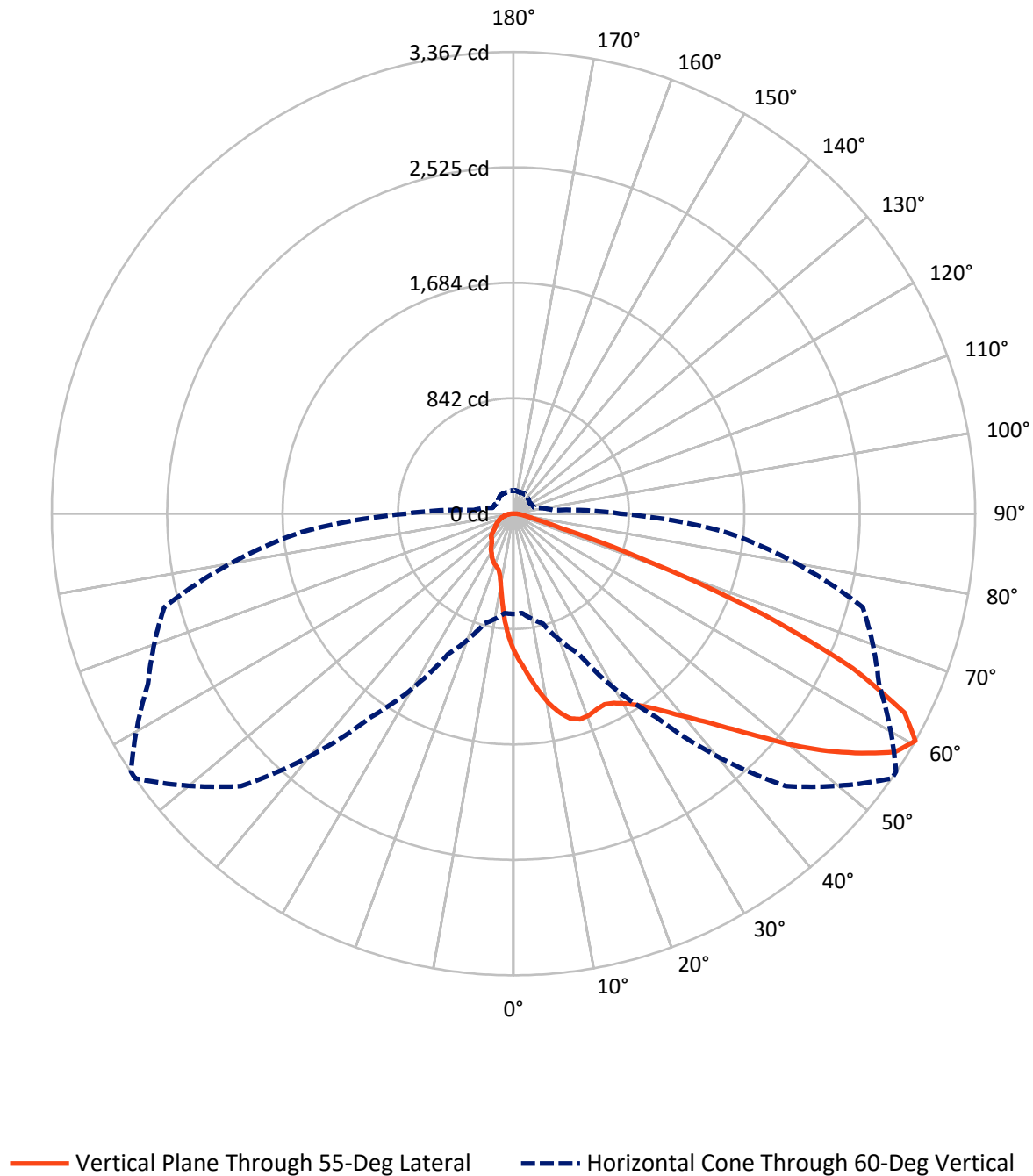
✕ Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



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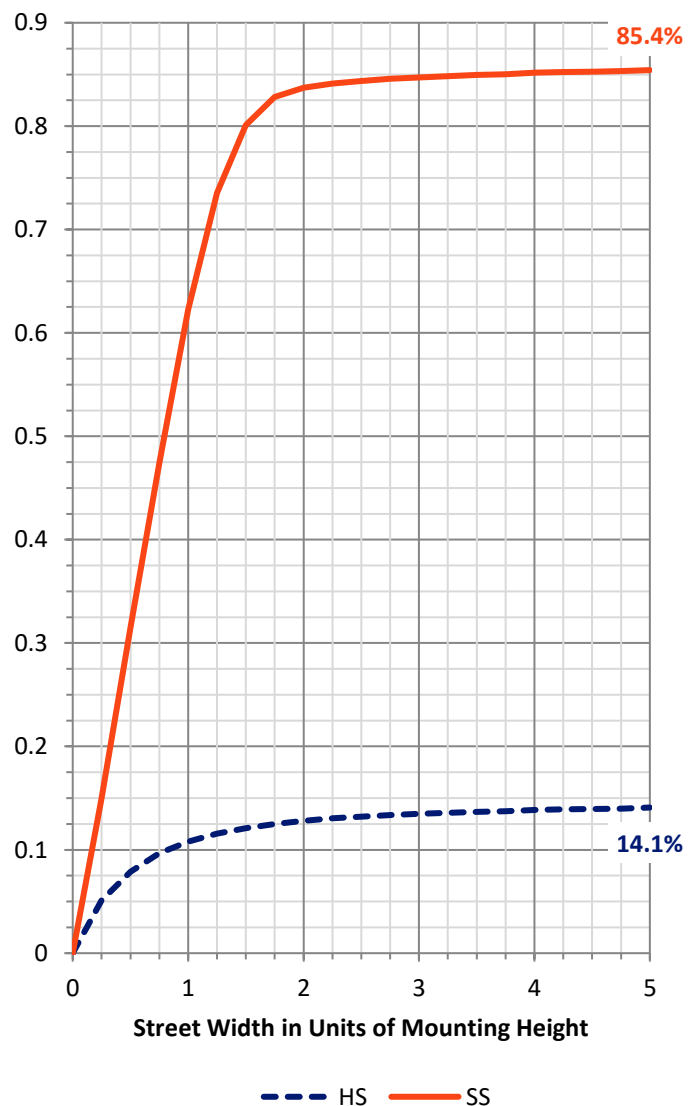
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	654.1	0.0	654.1
	% Fixture	14.4	0.0	14.4
Street Side	Lumens	3895.8	0.0	3895.8
	% Fixture	85.6	0.0	85.6
Total	Lumens	4549.9	0.0	4549.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	94.4	2.1
10°-20°	267.5	5.9
20°-30°	435.6	9.6
30°-40°	651.1	14.3
40°-50°	956.9	21.0
50°-60°	1121.5	24.6
60°-70°	739.5	16.3
70°-80°	235.5	5.2
80°-90°	47.9	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°	4549.9	100.0
0°-180°	4549.9	100.0

Coefficient of Utilization



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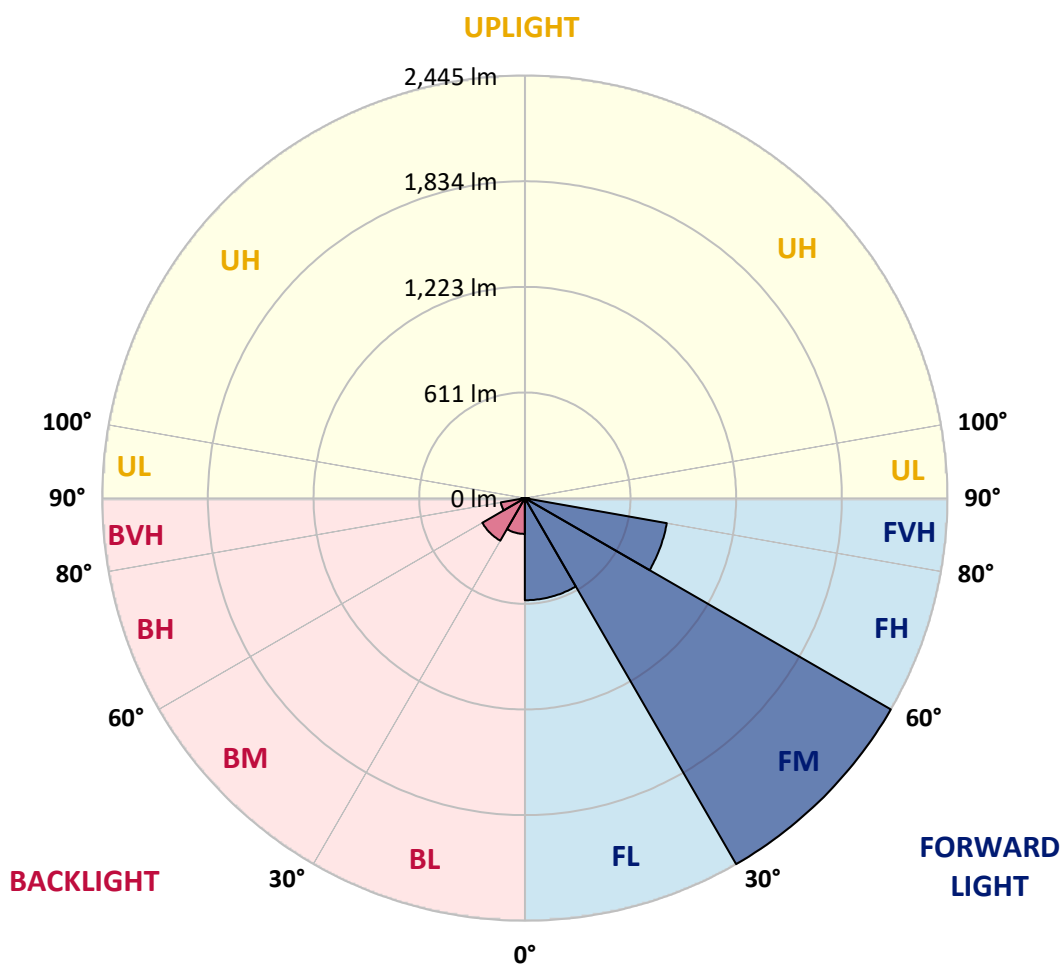
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	590.5	13.0			
FM	(30°-60°)	2445.2	53.7			
FH	(60°-80°)	833.8	18.3			G1/1800
FVH	(80°-90°)	26.3	0.6			G1/100
BL	(0°-30°)	207.0	4.6	B1/500		
BM	(30°-60°)	284.3	6.2	B1/1000		
BH	(60°-80°)	141.1	3.1	B1/500		G1/500
BVH	(80°-90°)	21.6	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°	1009.1	1009.1	1009.1	1009.1	1009.1	1009.1	1009.1	1009.1	1009.1	1009.1	1009.1
2.5°	1174.3	1170.0	1170.0	1159.1	1142.9	1120.5	1093.8	1087.2	1077.0	1050.9	1017.3
5°	1353.3	1348.7	1342.4	1323.3	1293.3	1248.5	1192.1	1181.9	1145.3	1091.5	1030.8
7.5°	1471.7	1469.1	1467.1	1450.6	1420.9	1376.7	1301.2	1289.7	1227.7	1138.7	1043.7
10°	1459.5	1467.4	1481.3	1492.8	1498.8	1476.0	1405.1	1391.6	1314.7	1193.4	1062.8
12.5°	1345.1	1356.3	1382.0	1429.2	1483.6	1527.4	1487.2	1479.6	1407.7	1251.4	1086.9
15°	1260.0	1264.6	1277.2	1312.1	1393.2	1510.3	1550.9	1543.9	1494.5	1326.0	1114.6
17.5°	1233.6	1235.6	1238.6	1250.1	1305.5	1443.4	1576.9	1583.5	1578.6	1403.5	1145.9
20°	1246.8	1248.1	1248.5	1250.4	1276.8	1387.3	1570.0	1581.2	1652.4	1480.9	1176.9
22.5°	1297.6	1296.0	1293.6	1286.1	1300.9	1377.4	1551.5	1569.3	1709.5	1551.5	1205.6
25°	1386.3	1384.0	1367.8	1352.0	1358.3	1413.0	1541.6	1560.7	1754.0	1618.1	1226.7
27.5°	1491.8	1489.5	1473.0	1443.0	1436.4	1472.4	1564.7	1576.6	1786.6	1677.2	1235.9
30°	1601.3	1601.3	1580.9	1546.2	1525.1	1540.3	1607.2	1616.8	1811.4	1734.2	1241.9
32.5°	1720.7	1724.0	1692.3	1652.8	1629.3	1620.4	1666.9	1675.2	1847.3	1801.5	1254.4
35°	1874.0	1866.8	1828.2	1776.1	1738.5	1718.4	1740.8	1750.4	1900.1	1885.2	1274.5
37.5°	2046.5	2033.6	1986.1	1923.8	1858.2	1824.6	1839.4	1841.7	1978.2	1994.4	1311.1
40°	2188.9	2186.6	2146.4	2087.4	2004.6	1959.4	1952.2	1953.5	2086.7	2123.6	1366.5
42.5°	2309.0	2300.4	2293.1	2272.4	2184.7	2110.5	2080.8	2081.1	2204.4	2257.2	1422.2
45°	2362.1	2360.4	2381.8	2435.3	2372.3	2284.9	2242.7	2248.6	2339.3	2394.4	1476.0
47.5°	2339.3	2340.6	2398.0	2538.2	2575.4	2508.5	2433.6	2430.0	2469.9	2499.6	1523.5
50°	2136.2	2157.6	2312.9	2547.7	2708.6	2741.9	2657.5	2644.0	2584.3	2583.3	1552.5
52.5°	1982.8	1981.9	2077.2	2450.4	2755.8	2952.7	2876.8	2846.5	2679.0	2630.5	1554.8
55°	1775.8	1774.4	1845.3	2165.9	2662.1	3099.7	3083.6	3045.7	2765.7	2646.0	1539.0
57.5°	1344.8	1369.8	1440.4	1733.9	2365.4	3076.3	3281.1	3249.4	2850.4	2639.1	1536.0
60°	731.7	728.8	831.0	1130.1	1811.0	2810.5	3367.2	3365.5	2940.5	2636.4	1554.2
62.5°	337.3	334.0	354.5	503.2	1038.4	2251.6	3201.0	3224.7	3023.9	2612.3	1552.5
65°	252.3	243.7	216.0	234.1	397.4	1344.1	2718.9	2782.2	2895.3	2513.4	1480.6
67.5°	224.9	216.7	184.3	172.8	199.5	474.2	1972.3	2030.7	2421.1	2328.1	1364.2
70°	206.1	198.8	166.5	148.4	149.7	210.1	1032.5	1147.2	1774.4	1942.9	1162.7
72.5°	188.0	181.7	152.3	130.6	126.0	138.8	351.9	424.4	1103.7	1416.0	866.9
75°	168.8	162.9	137.2	117.1	108.2	102.9	167.5	180.4	583.7	781.9	465.3
77.5°	146.7	143.4	122.3	103.2	95.6	77.8	111.5	117.1	250.0	307.0	221.6
80°	127.6	125.0	109.2	93.7	85.7	60.0	76.8	80.8	123.3	153.3	124.0
82.5°	83.1	89.7	90.4	80.5	75.5	48.1	50.8	53.8	81.8	90.4	54.1
85°	34.3	41.5	62.3	55.4	52.4	40.9	33.6	34.3	50.1	52.8	19.5
87.5°	15.5	17.1	30.7	31.0	27.0	15.5	16.8	18.5	25.7	25.4	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°	1009.1	1009.1	1009.1	1009.1	1009.1	1009.1	1009.1	1009.1	1009.1	1009.1	1009.1
2.5°	1008.1	992.9	965.9	931.2	906.5	888.4	868.6	854.1	837.9	823.7	826.0
5°	1005.8	976.4	915.7	851.4	788.8	737.3	694.5	662.8	630.2	617.3	615.7
7.5°	1007.7	957.9	858.4	753.2	657.9	592.2	542.5	512.4	493.6	482.8	483.4
10°	1007.1	940.5	796.4	651.3	547.1	487.1	456.7	446.8	445.2	446.5	448.5
12.5°	1008.1	916.7	726.8	559.6	467.6	436.9	438.2	447.2	452.8	456.4	458.7
15°	1012.4	897.3	655.6	487.4	426.0	427.0	441.2	455.1	463.3	467.3	469.2
17.5°	1018.6	872.9	592.2	432.6	408.6	423.7	442.2	457.0	463.3	465.6	467.3
20°	1019.3	844.8	528.3	395.1	397.0	416.8	433.0	444.8	452.8	455.4	456.7
22.5°	1016.3	806.9	462.7	367.7	383.8	403.6	417.5	431.0	420.4	411.9	409.6
25°	1003.8	759.1	406.6	345.3	367.4	385.8	401.6	386.8	381.9	375.3	375.9
27.5°	976.7	699.4	353.8	324.2	347.9	374.3	362.7	360.8	354.5	347.9	347.9
30°	941.1	636.4	309.6	302.1	324.5	337.7	340.3	337.3	333.7	325.1	325.8
32.5°	909.1	569.8	278.3	283.6	309.6	309.6	321.2	321.2	308.0	283.9	283.9
35°	877.5	507.2	255.2	268.1	285.2	290.8	306.7	285.9	267.1	256.2	255.6
37.5°	852.8	453.7	240.1	254.9	261.5	275.7	276.0	260.8	254.6	244.7	243.7
40°	838.2	408.9	230.8	248.3	249.0	262.2	240.4	244.7	243.4	235.8	234.8
42.5°	830.3	374.3	223.9	242.7	239.4	226.5	222.6	229.8	232.2	228.2	226.5
45°	824.1	347.2	218.3	223.2	231.8	208.4	206.8	212.4	217.3	217.0	215.7
47.5°	820.8	328.4	213.4	211.0	212.7	197.5	194.2	196.9	203.1	207.1	206.8
50°	807.9	313.9	206.1	198.5	188.0	188.0	186.3	186.3	193.9	201.8	202.5
52.5°	785.2	296.8	195.5	186.6	174.4	179.7	180.4	179.1	187.0	195.5	196.2
55°	760.1	283.9	181.4	175.8	163.2	172.1	175.1	173.8	179.1	185.0	184.7
57.5°	760.4	283.6	169.2	164.9	152.7	162.6	169.8	170.2	169.8	174.1	174.1
60°	779.5	290.2	159.6	150.4	140.5	152.3	164.2	164.2	161.9	168.2	168.8
62.5°	785.2	289.5	153.7	136.5	129.6	143.1	156.0	158.0	156.3	165.2	166.2
65°	735.7	274.0	147.7	124.0	119.7	132.9	145.8	151.4	149.7	161.3	162.6
67.5°	667.1	253.9	138.5	112.8	109.5	123.0	135.2	141.1	140.8	156.0	156.6
70°	575.1	229.2	127.0	101.2	99.6	111.5	122.3	128.6	131.6	149.1	148.7
72.5°	445.5	196.5	109.5	89.0	88.7	99.6	109.2	116.1	121.7	138.5	138.5
75°	287.2	154.7	89.4	77.2	75.8	86.1	96.0	103.9	121.0	147.7	147.4
77.5°	175.4	118.1	71.9	64.3	64.0	73.2	83.1	96.6	132.2	131.6	127.9
80°	105.2	84.7	57.4	51.4	51.4	60.0	70.9	103.5	109.8	125.3	118.4
82.5°	54.7	52.1	42.9	37.9	39.6	47.2	64.6	82.8	89.7	76.2	69.9
85°	22.4	27.7	26.4	24.1	25.1	32.6	62.3	66.3	53.1	55.7	56.1
87.5°	7.6	12.2	12.2	9.6	10.6	23.1	36.9	22.1	26.7	15.8	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)