

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: P671983

Luminaire Tested: **CCP-SA-2A-750-U-AFL**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P671983
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2A-750-U-AFL
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @350mA w/ AFL
distribution lens
Light Source: (32) 5000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5648.1 lumens
Efficiency: N/A
Efficacy: 156.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

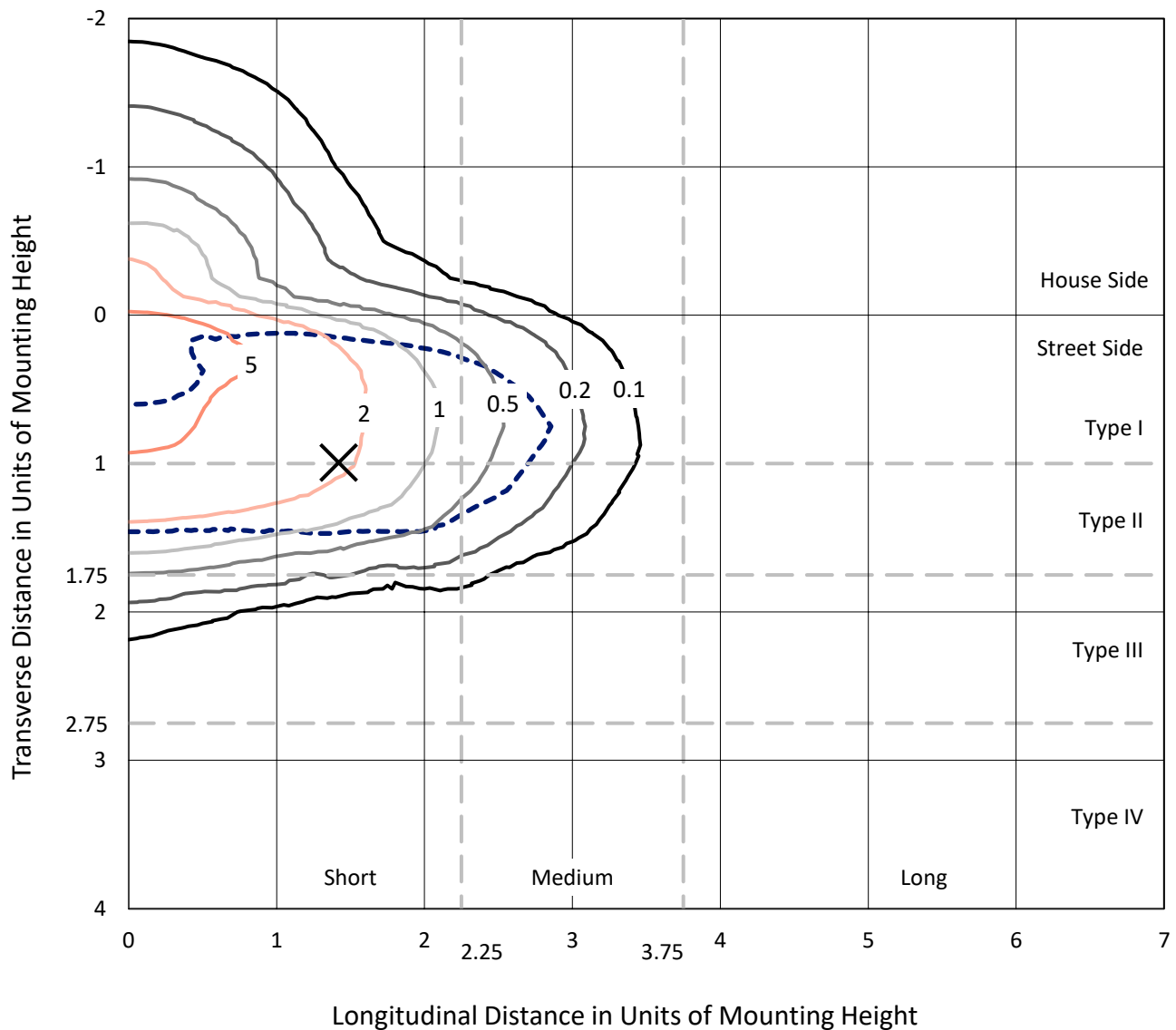
Input Watts (W): 36.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Iso-Footcandle Lines of Horizontal Illumination

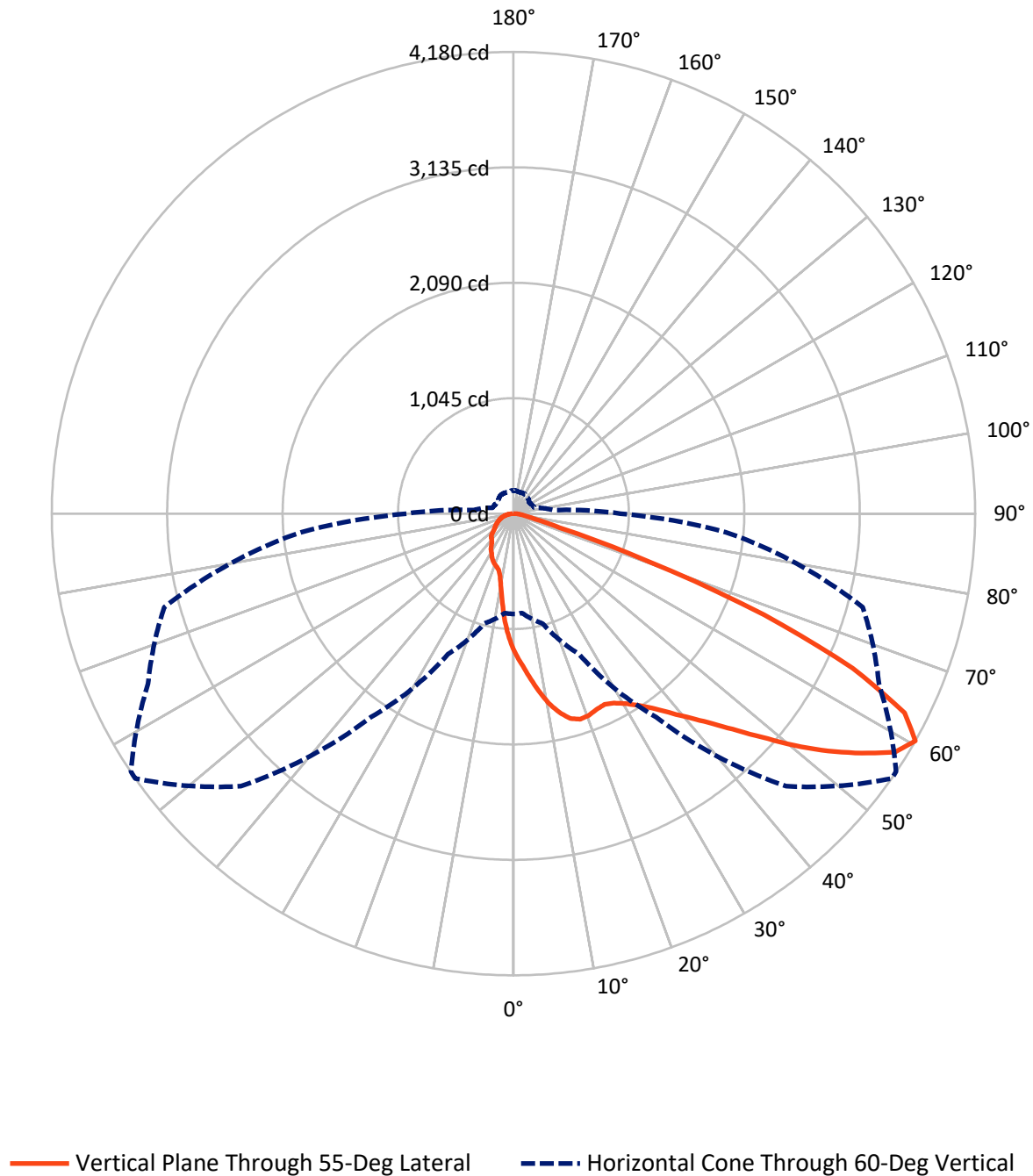
× Max cd
- - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 7.8 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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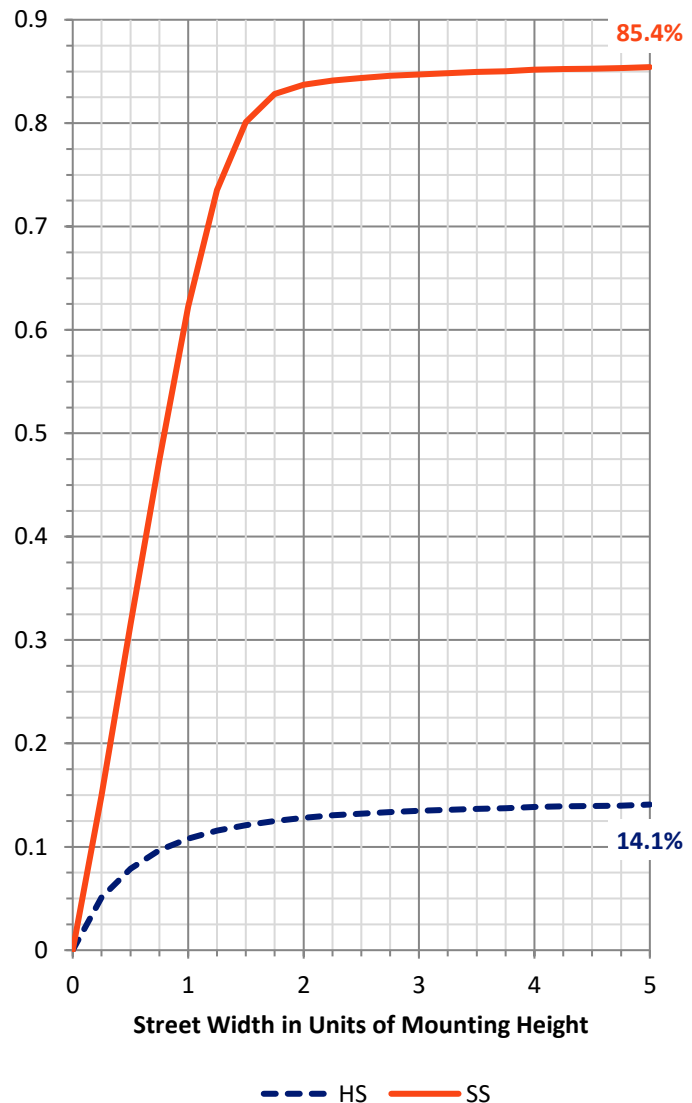
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	811.9	0.0	811.9
	% Fixture	14.4	0.0	14.4
Street Side	Lumens	4836.2	0.0	4836.2
	% Fixture	85.6	0.0	85.6
Total	Lumens	5648.1	0.0	5648.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	117.2	2.1
10°-20°	332.1	5.9
20°-30°	540.7	9.6
30°-40°	808.2	14.3
40°-50°	1187.9	21.0
50°-60°	1392.3	24.6
60°-70°	918.0	16.3
70°-80°	292.3	5.2
80°-90°	59.4	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°	5648.1	100.0
0°-180°	5648.1	100.0

Coefficient of Utilization



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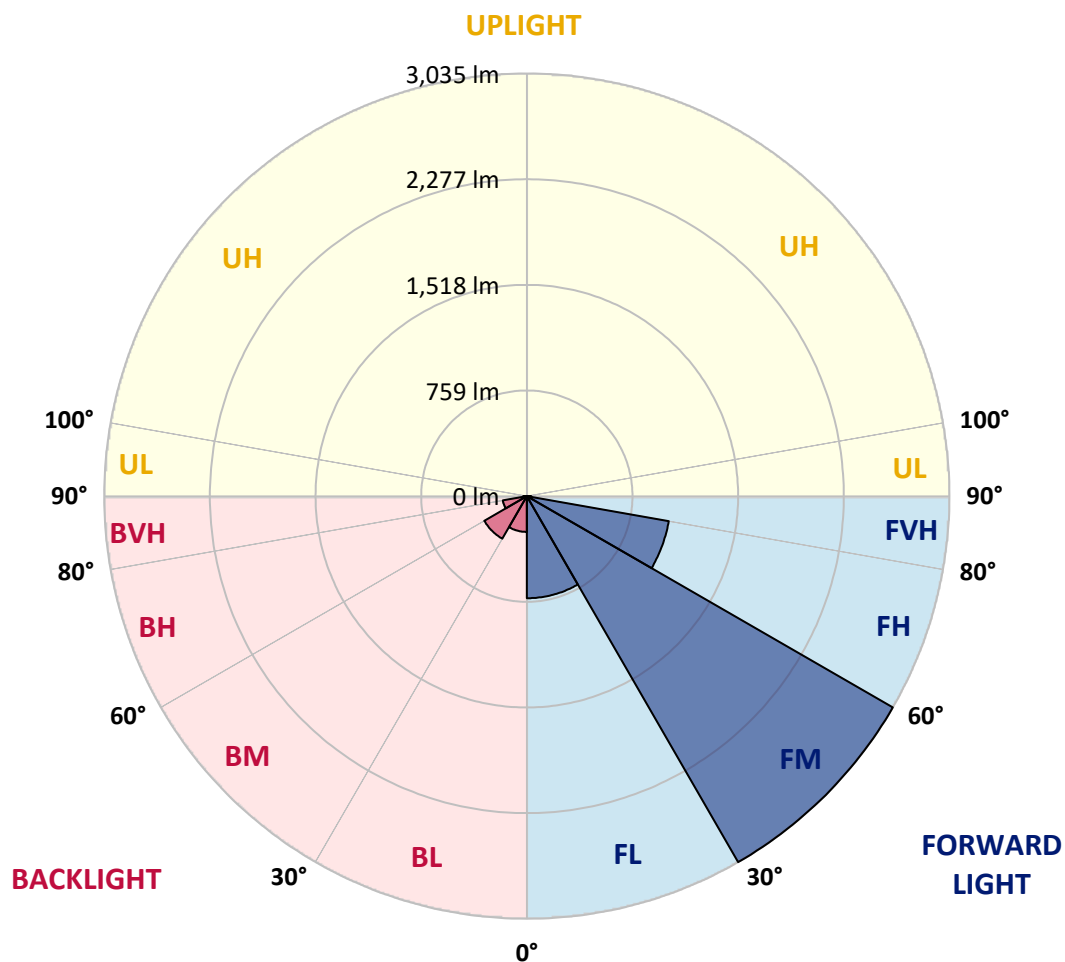
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	733.1	13.0			
FM	(30°-60°)	3035.5	53.7			
FH	(60°-80°)	1035.1	18.3			G1/1800
FVH	(80°-90°)	32.6	0.6			G1/100
BL	(0°-30°)	257.0	4.6	B1/500		
BM	(30°-60°)	352.9	6.2	B1/1000		
BH	(60°-80°)	175.2	3.1	B1/500		G1/500
BVH	(80°-90°)	26.8	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°	1252.6	1252.6	1252.6	1252.6	1252.6	1252.6	1252.6	1252.6	1252.6	1252.6	1252.6
2.5°	1457.7	1452.4	1452.4	1438.9	1418.8	1391.0	1357.8	1349.7	1337.0	1304.6	1262.9
5°	1680.0	1674.3	1666.5	1642.8	1605.5	1549.8	1479.8	1467.1	1421.7	1355.0	1279.7
7.5°	1827.0	1823.7	1821.2	1800.8	1763.9	1709.1	1615.3	1601.0	1524.0	1413.5	1295.6
10°	1811.8	1821.6	1838.8	1853.2	1860.5	1832.3	1744.3	1727.5	1632.1	1481.5	1319.4
12.5°	1669.8	1683.7	1715.6	1774.2	1841.7	1896.1	1846.2	1836.8	1747.5	1553.5	1349.2
15°	1564.2	1569.9	1585.4	1628.8	1729.5	1874.9	1925.2	1916.6	1855.2	1646.0	1383.6
17.5°	1531.4	1533.9	1537.5	1551.9	1620.6	1791.8	1957.5	1965.7	1959.6	1742.2	1422.5
20°	1547.8	1549.4	1549.8	1552.3	1585.0	1722.2	1948.9	1962.9	2051.3	1838.4	1461.0
22.5°	1610.8	1608.8	1605.9	1596.5	1614.9	1709.9	1926.0	1948.1	2122.1	1926.0	1496.6
25°	1720.9	1718.1	1698.0	1678.4	1686.1	1754.1	1913.7	1937.5	2177.4	2008.7	1522.8
27.5°	1851.9	1849.1	1828.6	1791.3	1783.2	1827.8	1942.4	1957.1	2217.9	2082.0	1534.3
30°	1987.8	1987.8	1962.5	1919.5	1893.3	1912.1	1995.2	2007.1	2248.6	2152.8	1541.6
32.5°	2136.0	2140.1	2100.8	2051.7	2022.6	2011.6	2069.3	2079.5	2293.2	2236.3	1557.2
35°	2326.4	2317.4	2269.5	2204.8	2158.1	2133.2	2161.0	2172.9	2358.7	2340.3	1582.2
37.5°	2540.5	2524.5	2465.6	2388.2	2306.7	2265.0	2283.4	2286.3	2455.7	2475.8	1627.6
40°	2717.3	2714.4	2664.5	2591.2	2488.5	2432.4	2423.4	2425.0	2590.4	2636.3	1696.4
42.5°	2866.3	2855.7	2846.7	2820.9	2712.0	2619.9	2583.0	2583.5	2736.6	2802.0	1765.6
45°	2932.2	2930.2	2956.8	3023.1	2944.9	2836.4	2784.0	2791.4	2904.0	2972.3	1832.3
47.5°	2904.0	2905.6	2976.8	3150.8	3197.1	3114.0	3021.1	3016.6	3066.1	3102.9	1891.2
50°	2651.8	2678.4	2871.2	3162.7	3362.5	3403.8	3299.0	3282.2	3208.1	3206.9	1927.3
52.5°	2461.5	2460.2	2578.5	3041.9	3421.0	3665.4	3571.2	3533.6	3325.6	3265.4	1930.1
55°	2204.4	2202.8	2290.8	2688.7	3304.7	3848.0	3827.9	3780.8	3433.3	3284.7	1910.5
57.5°	1669.4	1700.5	1788.1	2152.4	2936.3	3818.9	4073.1	4033.8	3538.5	3276.1	1906.8
60°	908.4	904.7	1031.6	1402.9	2248.2	3489.0	4179.9	4177.9	3650.2	3272.8	1929.3
62.5°	418.8	414.7	440.1	624.7	1289.1	2795.1	3973.6	4003.1	3753.8	3242.9	1927.3
65°	313.2	302.5	268.1	290.6	493.3	1668.5	3375.1	3453.7	3594.2	3120.1	1838.0
67.5°	279.2	268.9	228.8	214.5	247.7	588.7	2448.4	2520.8	3005.5	2890.1	1693.5
70°	255.8	246.8	206.7	184.2	185.8	260.8	1281.7	1424.2	2202.8	2411.9	1443.4
72.5°	233.3	225.6	189.1	162.1	156.4	172.3	436.8	526.8	1370.1	1757.8	1076.2
75°	209.6	202.2	170.3	145.3	134.3	127.7	208.0	223.9	724.6	970.6	577.6
77.5°	182.2	178.1	151.9	128.1	118.7	96.6	138.4	145.3	310.3	381.1	275.1
80°	158.4	155.1	135.5	116.3	106.4	74.5	95.4	100.3	153.1	190.4	153.9
82.5°	103.2	111.3	112.2	99.9	93.7	59.8	63.0	66.7	101.5	112.2	67.1
85°	42.6	51.6	77.4	68.8	65.1	50.8	41.8	42.6	62.2	65.5	24.2
87.5°	19.2	21.3	38.1	38.5	33.6	19.2	20.9	22.9	31.9	31.5	10.6
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°	1252.6	1252.6	1252.6	1252.6	1252.6	1252.6	1252.6	1252.6	1252.6	1252.6	1252.6
2.5°	1251.4	1232.6	1199.0	1156.0	1125.3	1102.8	1078.2	1060.2	1040.2	1022.6	1025.4
5°	1248.5	1212.1	1136.8	1057.0	979.2	915.3	862.1	822.8	782.3	766.3	764.3
7.5°	1251.0	1189.2	1065.6	935.0	816.7	735.2	673.4	636.1	612.8	599.3	600.1
10°	1250.2	1167.5	988.6	808.5	679.1	604.6	567.0	554.7	552.6	554.3	556.7
12.5°	1251.4	1138.0	902.2	694.7	580.5	542.4	544.0	555.1	562.0	566.6	569.4
15°	1256.7	1113.9	813.8	605.0	528.9	530.1	547.7	564.9	575.1	580.1	582.5
17.5°	1264.5	1083.6	735.2	537.1	507.2	526.0	548.9	567.4	575.1	578.0	580.1
20°	1265.3	1048.8	655.8	490.4	492.9	517.4	537.5	552.2	562.0	565.3	567.0
22.5°	1261.6	1001.7	574.3	456.4	476.5	501.1	518.2	535.0	521.9	511.3	508.4
25°	1246.1	942.3	504.7	428.6	456.0	478.9	498.6	480.2	474.0	465.8	466.7
27.5°	1212.5	868.2	439.2	402.4	431.9	464.6	450.3	447.8	440.1	431.9	431.9
30°	1168.3	790.1	384.4	375.0	402.8	419.2	422.5	418.8	414.3	403.6	404.4
32.5°	1128.6	707.4	345.5	352.0	384.4	384.4	398.7	398.7	382.3	352.5	352.5
35°	1089.3	629.6	316.8	332.8	354.1	361.1	380.7	354.9	331.6	318.1	317.3
37.5°	1058.6	563.3	298.0	316.4	324.6	342.2	342.6	323.8	316.0	303.7	302.5
40°	1040.6	507.6	286.5	308.2	309.1	325.4	298.4	303.7	302.1	292.7	291.5
42.5°	1030.8	464.6	278.0	301.3	297.2	281.2	276.3	285.3	288.2	283.3	281.2
45°	1023.0	431.1	271.0	277.1	287.8	258.7	256.7	263.6	269.8	269.4	267.7
47.5°	1018.9	407.7	264.9	262.0	264.0	245.2	241.1	244.4	252.2	257.1	256.7
50°	1002.9	389.7	255.8	246.4	233.3	233.3	231.3	231.3	240.7	250.5	251.3
52.5°	974.7	368.4	242.7	231.7	216.5	223.1	223.9	222.3	232.1	242.7	243.6
55°	943.6	352.5	225.1	218.2	202.6	213.7	217.4	215.7	222.3	229.6	229.2
57.5°	944.0	352.0	210.0	204.7	189.5	201.8	210.8	211.2	210.8	216.1	216.1
60°	967.7	360.2	198.1	186.7	174.4	189.1	203.9	203.9	201.0	208.8	209.6
62.5°	974.7	359.4	190.8	169.5	160.9	177.7	193.6	196.1	194.0	205.1	206.3
65°	913.3	340.2	183.4	153.9	148.6	165.0	180.9	187.9	185.8	200.2	201.8
67.5°	828.1	315.2	171.9	140.0	135.9	152.7	167.8	175.2	174.8	193.6	194.4
70°	713.9	284.5	157.6	125.7	123.6	138.4	151.9	159.6	163.3	185.0	184.6
72.5°	553.0	244.0	135.9	110.5	110.1	123.6	135.5	144.1	151.1	171.9	171.9
75°	356.6	192.0	110.9	95.8	94.2	106.8	119.1	128.9	150.2	183.4	183.0
77.5°	217.8	146.5	89.2	79.8	79.4	90.9	103.2	119.9	164.2	163.3	158.8
80°	130.6	105.2	71.2	63.9	63.9	74.5	88.0	128.5	136.3	155.6	147.0
82.5°	68.0	64.7	53.2	47.1	49.1	58.5	80.2	102.7	111.3	94.6	86.8
85°	27.8	34.4	32.7	29.9	31.1	40.5	77.4	82.3	65.9	69.2	69.6
87.5°	9.4	15.1	15.1	11.9	13.1	28.7	45.8	27.4	33.2	19.6	14.7
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)