

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: P671993

Luminaire Tested: **CCP-SA-1F-760-U-AFL**

Issue Date: 04/16/2023

Test Information

Test Method: LM-79-08
Report Number: P671993
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1F-760-U-AFL
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @1200mA w/ AFL
distribution lens
Light Source: (16) 5700K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

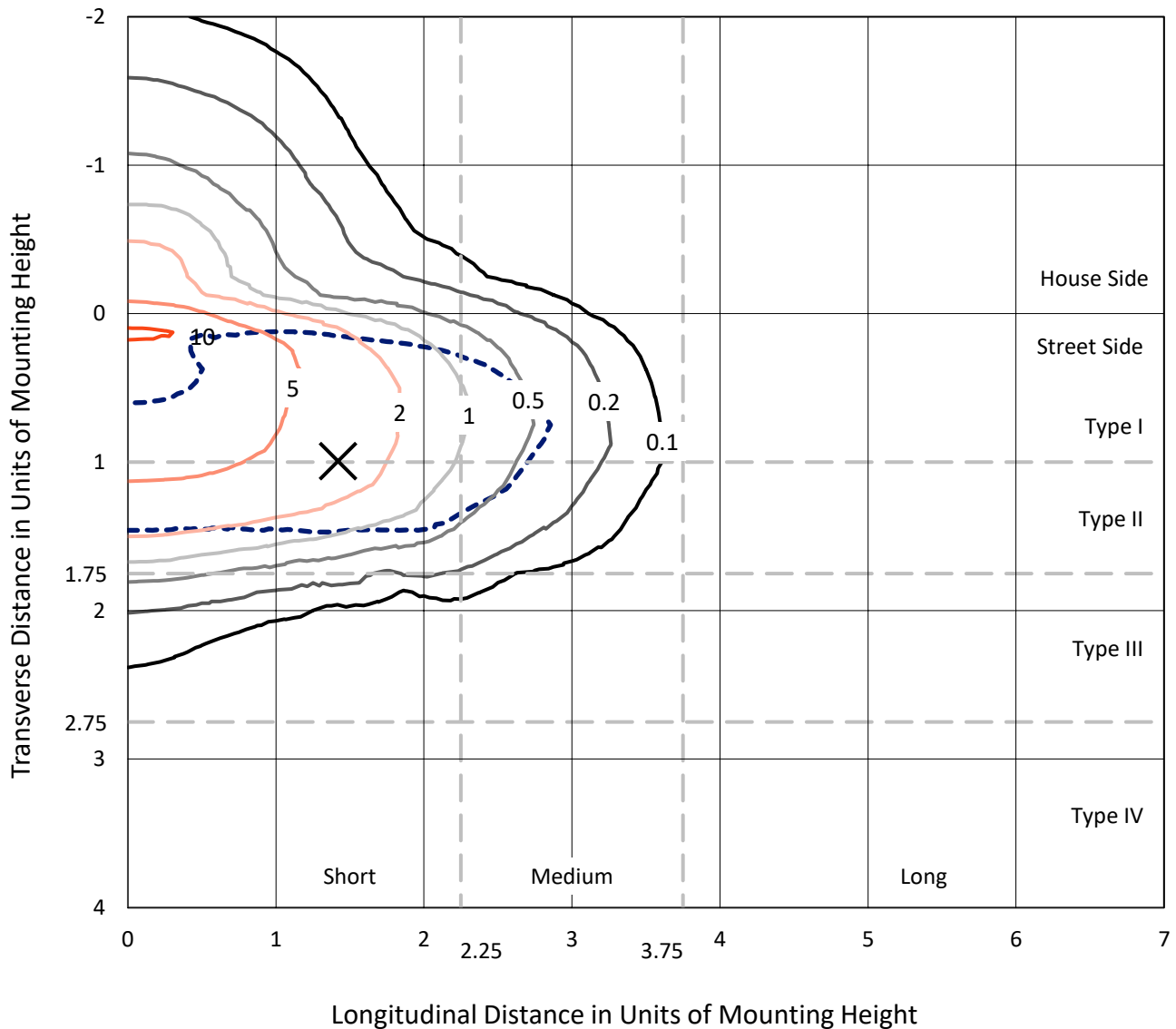
Lumens per Lamp: N/A
Luminaire Lumens: 7739.6 lumens
Efficiency: N/A
Efficacy: 115.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

Input Watts (W): 67
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

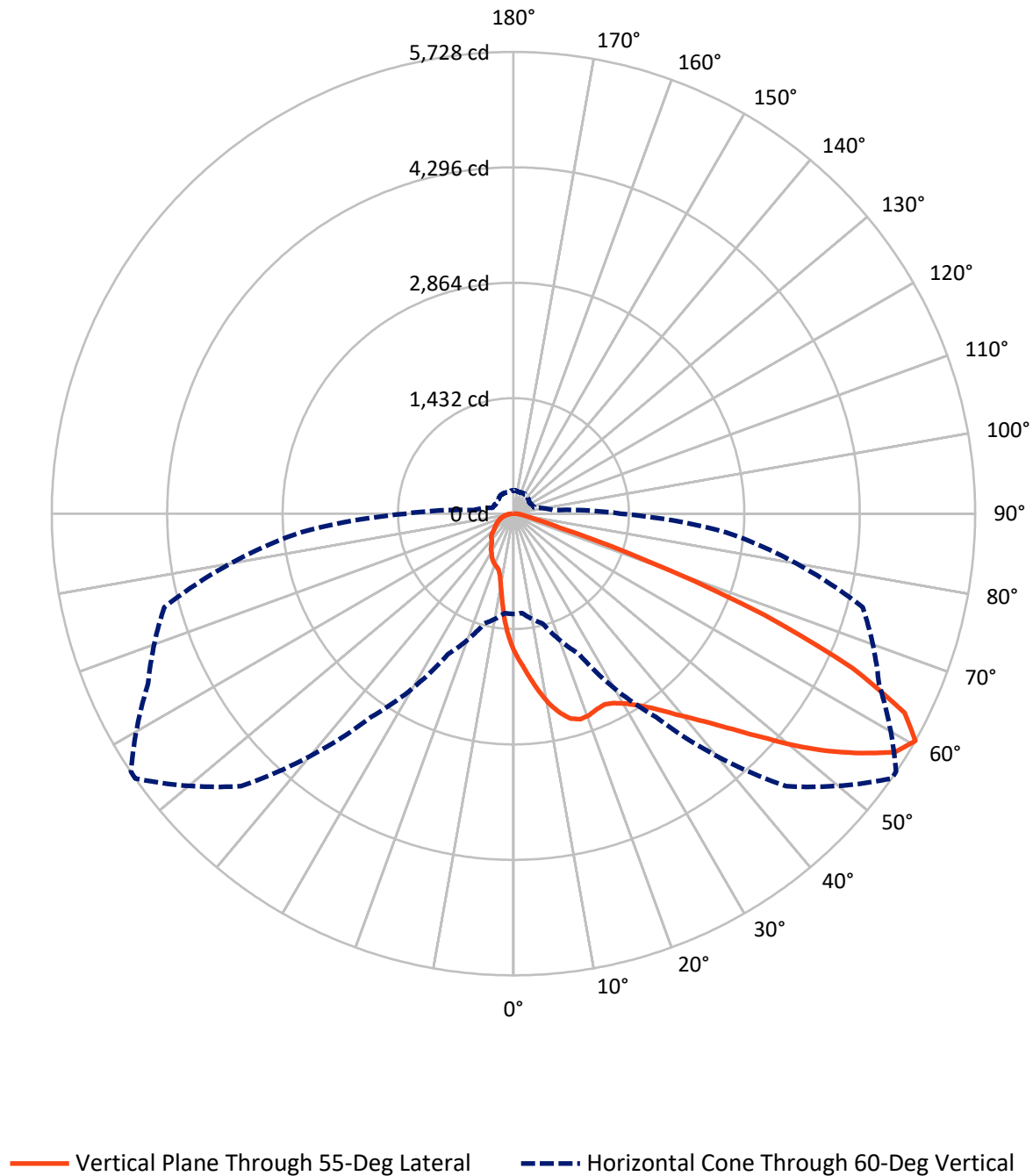
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 10.7 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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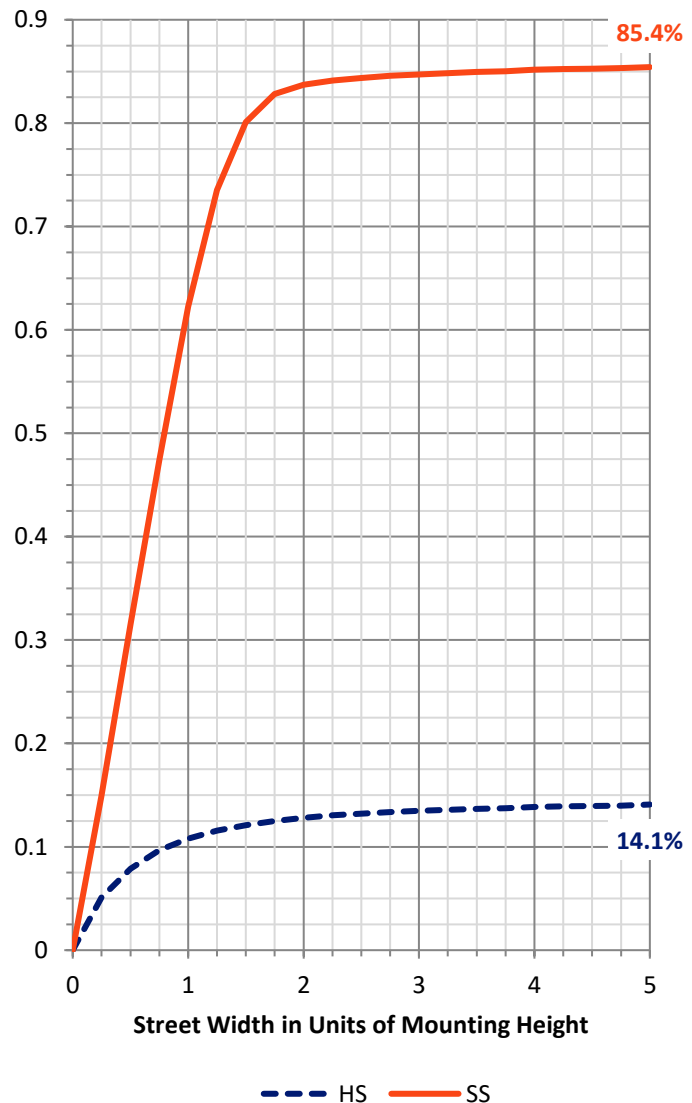
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1112.6	0.0	1112.6
	% Fixture	14.4	0.0	14.4
Street Side	Lumens	6627.0	0.0	6627.0
	% Fixture	85.6	0.0	85.6
Total	Lumens	7739.6	0.0	7739.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	160.6	2.1
10°-20°	455.1	5.9
20°-30°	741.0	9.6
30°-40°	1107.5	14.3
40°-50°	1627.7	21.0
50°-60°	1907.8	24.6
60°-70°	1257.9	16.3
70°-80°	400.5	5.2
80°-90°	81.4	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°	7739.6	100.0
0°-180°	7739.6	100.0

Coefficient of Utilization



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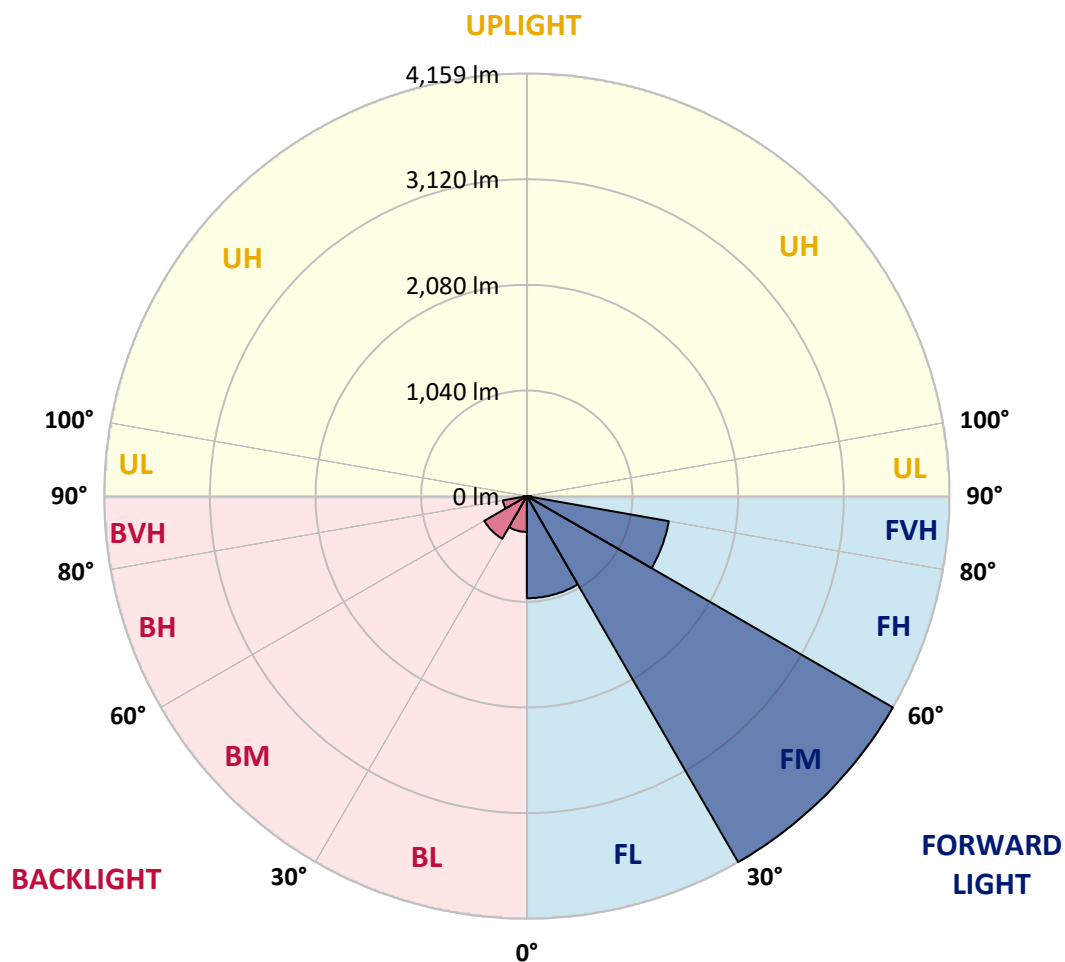
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1004.5	13.0			
FM	(30°-60°)	4159.4	53.7			
FH	(60°-80°)	1418.4	18.3			G1/1800
FVH	(80°-90°)	44.7	0.6			G1/100
BL	(0°-30°)	352.2	4.6	B1/500		
BM	(30°-60°)	483.6	6.2	B1/1000		
BH	(60°-80°)	240.1	3.1	B1/500		G1/500
BVH	(80°-90°)	36.8	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°	1716.5	1716.5	1716.5	1716.5	1716.5	1716.5	1716.5	1716.5	1716.5	1716.5	1716.5
2.5°	1997.5	1990.2	1990.2	1971.7	1944.2	1906.1	1860.6	1849.4	1832.0	1787.7	1730.5
5°	2302.1	2294.2	2283.6	2251.0	2200.0	2123.7	2027.8	2010.4	1948.1	1856.7	1753.5
7.5°	2503.5	2499.0	2495.6	2467.6	2417.1	2341.9	2213.4	2193.8	2088.4	1936.9	1775.4
10°	2482.7	2496.2	2519.7	2539.4	2549.4	2510.7	2390.1	2367.1	2236.4	2030.0	1807.9
12.5°	2288.1	2307.1	2350.9	2431.1	2523.6	2598.2	2529.8	2516.9	2394.6	2128.7	1848.8
15°	2143.3	2151.2	2172.5	2232.0	2369.9	2569.1	2638.1	2626.3	2542.2	2255.5	1896.0
17.5°	2098.5	2101.8	2106.9	2126.5	2220.7	2455.2	2682.4	2693.6	2685.2	2387.3	1949.2
20°	2120.9	2123.1	2123.7	2127.1	2171.9	2359.9	2670.6	2689.7	2810.8	2519.2	2002.0
22.5°	2207.3	2204.5	2200.5	2187.6	2212.9	2343.0	2639.2	2669.5	2907.9	2639.2	2050.8
25°	2358.2	2354.2	2326.8	2299.8	2310.5	2403.6	2622.4	2654.9	2983.6	2752.5	2086.7
27.5°	2537.7	2533.7	2505.7	2454.7	2443.4	2504.6	2661.6	2681.8	3039.1	2852.9	2102.4
30°	2723.9	2723.9	2689.1	2630.2	2594.3	2620.1	2734.0	2750.3	3081.2	2950.0	2112.5
32.5°	2927.0	2932.6	2878.7	2811.4	2771.6	2756.4	2835.5	2849.5	3142.4	3064.4	2133.8
35°	3187.8	3175.5	3109.8	3021.2	2957.2	2923.0	2961.2	2977.4	3232.1	3206.9	2168.0
37.5°	3481.2	3459.3	3378.5	3272.5	3160.9	3103.7	3128.9	3132.8	3365.0	3392.5	2230.3
40°	3723.5	3719.6	3651.1	3550.7	3409.9	3333.1	3320.7	3323.0	3549.6	3612.4	2324.5
42.5°	3927.7	3913.1	3900.7	3865.4	3716.2	3590.0	3539.5	3540.1	3749.8	3839.6	2419.3
45°	4018.0	4015.2	4051.6	4142.5	4035.4	3886.7	3814.9	3825.0	3979.3	4072.9	2510.7
47.5°	3979.3	3981.5	4079.1	4317.5	4380.9	4267.0	4139.7	4133.5	4201.4	4251.9	2591.5
50°	3633.7	3670.2	3934.4	4333.8	4607.5	4664.2	4520.6	4497.6	4396.0	4394.4	2640.9
52.5°	3372.9	3371.2	3533.3	4168.3	4687.7	5022.6	4893.6	4842.0	4557.0	4474.6	2644.8
55°	3020.6	3018.4	3139.0	3684.2	4528.4	5272.8	5245.3	5180.8	4704.6	4500.9	2617.9
57.5°	2287.5	2330.1	2450.2	2949.4	4023.6	5233.0	5581.3	5527.5	4848.7	4489.2	2612.8
60°	1244.7	1239.7	1413.6	1922.3	3080.7	4780.8	5727.7	5724.9	5001.9	4484.7	2643.7
62.5°	573.8	568.2	603.0	856.0	1766.4	3830.1	5445.0	5485.4	5143.8	4443.7	2640.9
65°	429.1	414.5	367.4	398.3	675.9	2286.4	4624.9	4732.6	4925.0	4275.4	2518.6
67.5°	382.6	368.5	313.6	293.9	339.4	806.6	3355.0	3454.2	4118.4	3960.2	2320.6
70°	350.6	338.2	283.3	252.4	254.7	357.3	1756.3	1951.5	3018.4	3305.0	1977.9
72.5°	319.7	309.1	259.2	222.1	214.3	236.2	598.5	721.9	1877.4	2408.7	1474.7
75°	287.2	277.1	233.3	199.1	184.0	175.0	285.0	306.8	992.9	1330.0	791.5
77.5°	249.6	244.0	208.1	175.6	162.7	132.4	189.6	199.1	425.2	522.2	376.9
80°	217.1	212.6	185.7	159.3	145.8	102.1	130.7	137.4	209.8	260.8	210.9
82.5°	141.4	152.6	153.7	136.9	128.5	81.9	86.4	91.4	139.1	153.7	92.0
85°	58.3	70.7	106.0	94.2	89.2	69.6	57.2	58.3	85.3	89.7	33.1
87.5°	26.4	29.2	52.2	52.7	46.0	26.4	28.6	31.4	43.8	43.2	14.6
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°	1716.5	1716.5	1716.5	1716.5	1716.5	1716.5	1716.5	1716.5	1716.5	1716.5	1716.5
2.5°	1714.8	1689.0	1643.0	1584.1	1542.0	1511.2	1477.5	1452.8	1425.3	1401.2	1405.1
5°	1710.9	1660.9	1557.7	1448.3	1341.8	1254.3	1181.3	1127.5	1071.9	1050.1	1047.3
7.5°	1714.2	1629.5	1460.1	1281.2	1119.1	1007.4	922.7	871.7	839.7	821.2	822.3
10°	1713.1	1599.8	1354.7	1107.8	930.6	828.5	776.9	760.1	757.3	759.5	762.9
12.5°	1714.8	1559.4	1236.3	951.9	795.4	743.2	745.5	760.6	770.2	776.3	780.3
15°	1722.1	1526.3	1115.1	829.1	724.7	726.4	750.5	774.1	788.1	794.8	798.2
17.5°	1732.7	1484.8	1007.4	735.9	695.0	720.8	752.2	777.5	788.1	792.0	794.8
20°	1733.8	1437.1	898.6	672.0	675.4	709.0	736.5	756.7	770.2	774.7	776.9
22.5°	1728.8	1372.6	787.0	625.4	652.9	686.6	710.1	733.1	715.2	700.6	696.7
25°	1707.5	1291.3	691.6	587.3	624.9	656.3	683.2	658.0	649.6	638.3	639.5
27.5°	1661.5	1189.7	601.9	551.4	591.8	636.7	617.0	613.7	603.0	591.8	591.8
30°	1600.9	1082.6	526.7	513.8	552.0	574.4	578.9	573.8	567.7	553.1	554.2
32.5°	1546.5	969.3	473.4	482.4	526.7	526.7	546.4	546.4	523.9	483.0	483.0
35°	1492.6	862.7	434.2	456.0	485.2	494.7	521.7	486.3	454.4	435.8	434.7
37.5°	1450.6	771.8	408.4	433.6	444.8	468.9	469.5	443.7	433.0	416.2	414.5
40°	1425.9	695.6	392.7	422.4	423.5	445.9	408.9	416.2	414.0	401.1	399.4
42.5°	1412.4	636.7	380.9	412.8	407.2	385.4	378.6	391.0	394.9	388.2	385.4
45°	1401.8	590.7	371.3	379.8	394.3	354.5	351.7	361.2	369.7	369.1	366.9
47.5°	1396.2	558.7	362.9	359.0	361.8	336.0	330.4	334.9	345.5	352.3	351.7
50°	1374.3	534.0	350.6	337.7	319.7	319.7	316.9	316.9	329.8	343.3	344.4
52.5°	1335.6	504.8	332.6	317.5	296.7	305.7	306.8	304.6	318.0	332.6	333.8
55°	1293.0	483.0	308.5	299.0	277.7	292.8	297.9	295.6	304.6	314.7	314.1
57.5°	1293.5	482.4	287.8	280.5	259.7	276.5	288.9	289.4	288.9	296.2	296.2
60°	1326.0	493.6	271.5	255.8	239.0	259.2	279.3	279.3	275.4	286.1	287.2
62.5°	1335.6	492.5	261.4	232.2	220.4	243.4	265.3	268.7	265.9	281.0	282.7
65°	1251.4	466.1	251.3	210.9	203.6	226.1	247.9	257.5	254.7	274.3	276.5
67.5°	1134.8	431.9	235.6	191.8	186.2	209.2	230.0	240.1	239.5	265.3	266.4
70°	978.3	389.8	216.0	172.2	169.4	189.6	208.1	218.8	223.8	253.5	253.0
72.5°	757.8	334.3	186.2	151.5	150.9	169.4	185.7	197.4	207.0	235.6	235.6
75°	488.6	263.1	152.0	131.3	129.0	146.4	163.2	176.7	205.9	251.3	250.7
77.5°	298.4	200.8	122.3	109.4	108.8	124.5	141.4	164.4	224.9	223.8	217.6
80°	178.9	144.2	97.6	87.5	87.5	102.1	120.6	176.1	186.8	213.2	201.4
82.5°	93.1	88.6	72.9	64.5	67.3	80.2	109.9	140.8	152.6	129.6	118.9
85°	38.1	47.1	44.9	40.9	42.6	55.5	106.0	112.7	90.3	94.8	95.4
87.5°	12.9	20.8	20.8	16.3	17.9	39.3	62.8	37.6	45.4	26.9	20.2
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)