

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: P672040

Luminaire Tested: **CCP-SA-2C-840-U-AFL**

Issue Date: 04/16/2023

Test Information

Test Method: LM-79-08
Report Number: P672040
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2C-840-U-AFL
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @615mA w/ AFL
distribution lens
Light Source: (32) 4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7779.4 lumens
Efficiency: N/A
Efficacy: 125.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

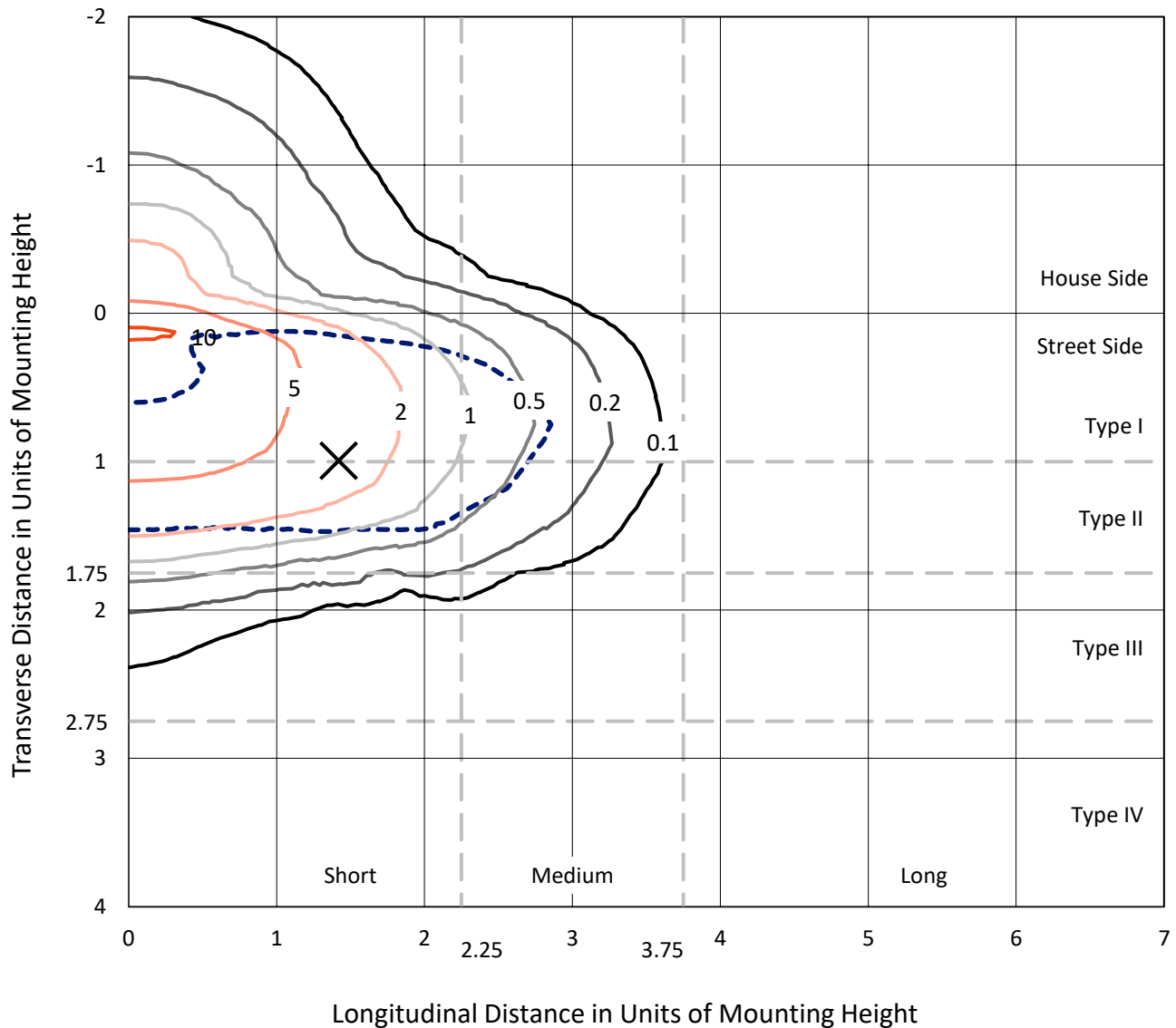
Input Watts (W): 62.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Iso-Footcandle Lines of Horizontal Illumination

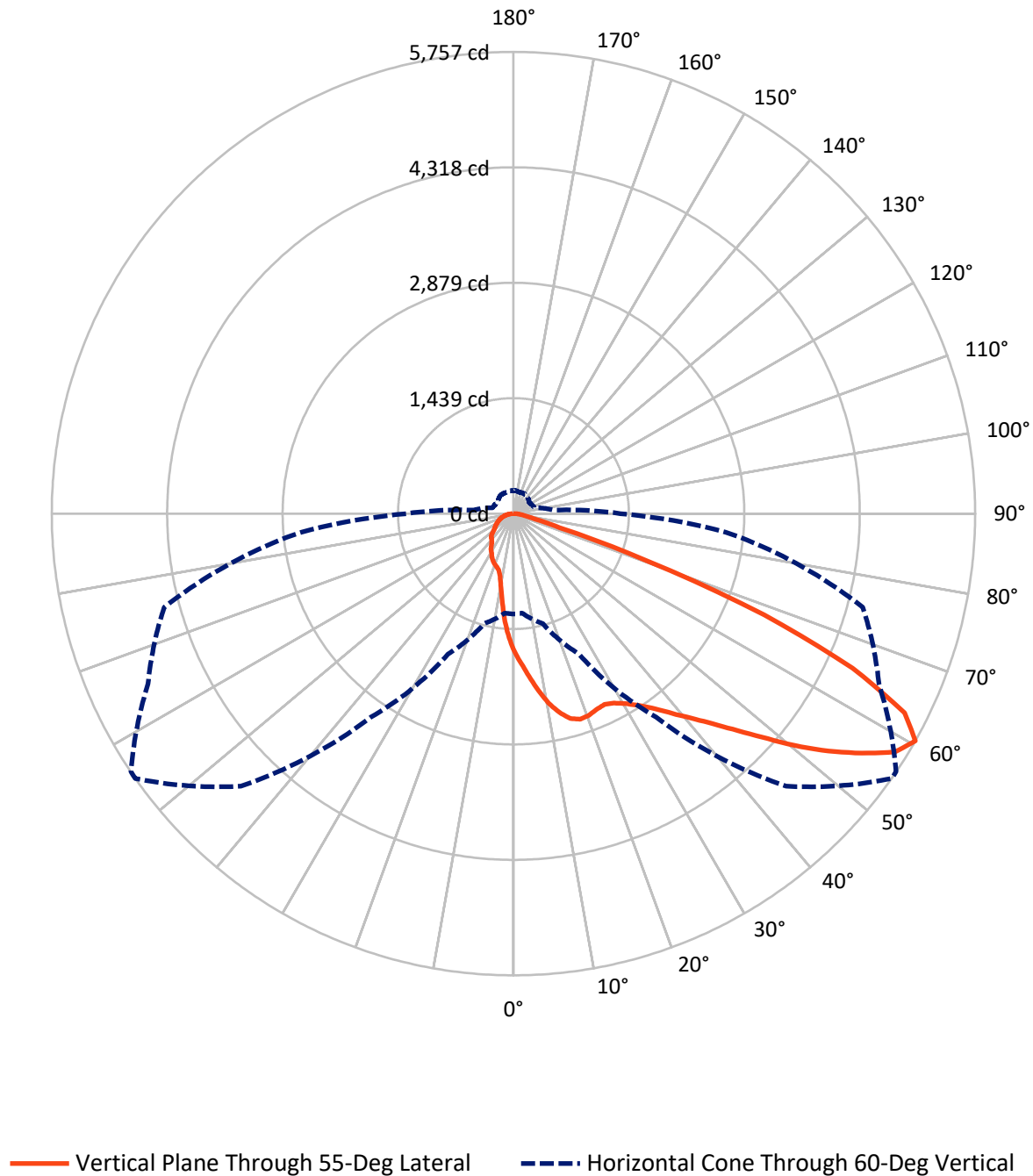
× Max cd
- - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 10.8 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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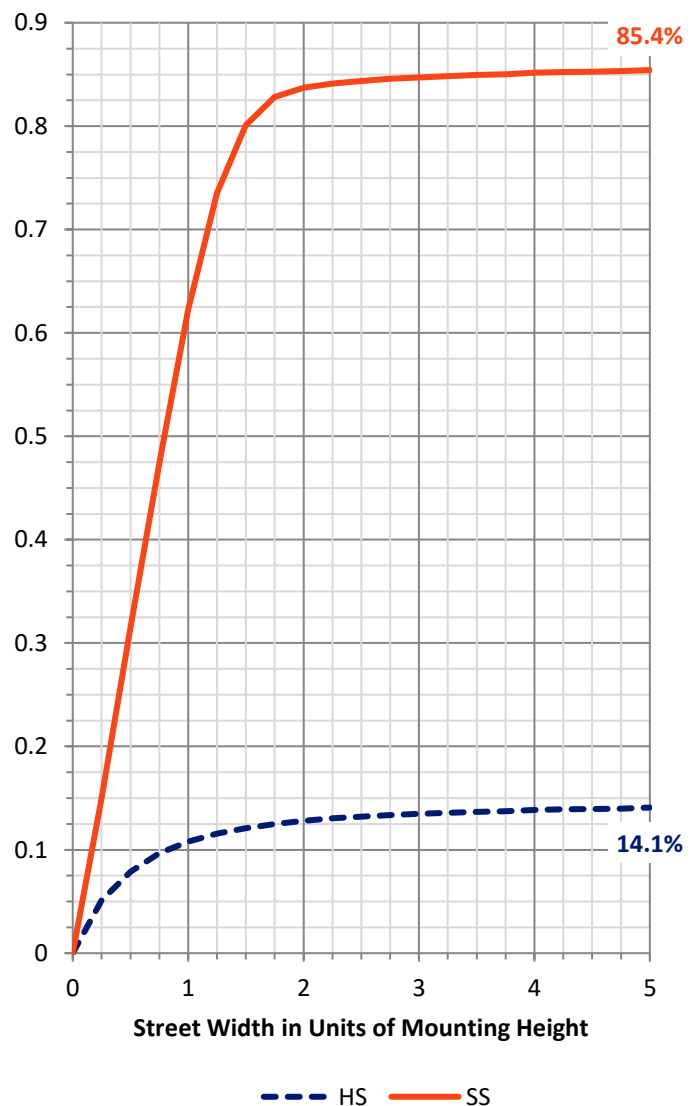
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1118.3	0.0	1118.3
	% Fixture	14.4	0.0	14.4
Street Side	Lumens	6661.0	0.0	6661.0
	% Fixture	85.6	0.0	85.6
Total	Lumens	7779.4	0.0	7779.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	161.5	2.1
10°-20°	457.4	5.9
20°-30°	744.8	9.6
30°-40°	1113.2	14.3
40°-50°	1636.1	21.0
50°-60°	1917.6	24.6
60°-70°	1264.4	16.3
70°-80°	402.6	5.2
80°-90°	81.9	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°	7779.4	100.0
0°-180°	7779.4	100.0

Coefficient of Utilization



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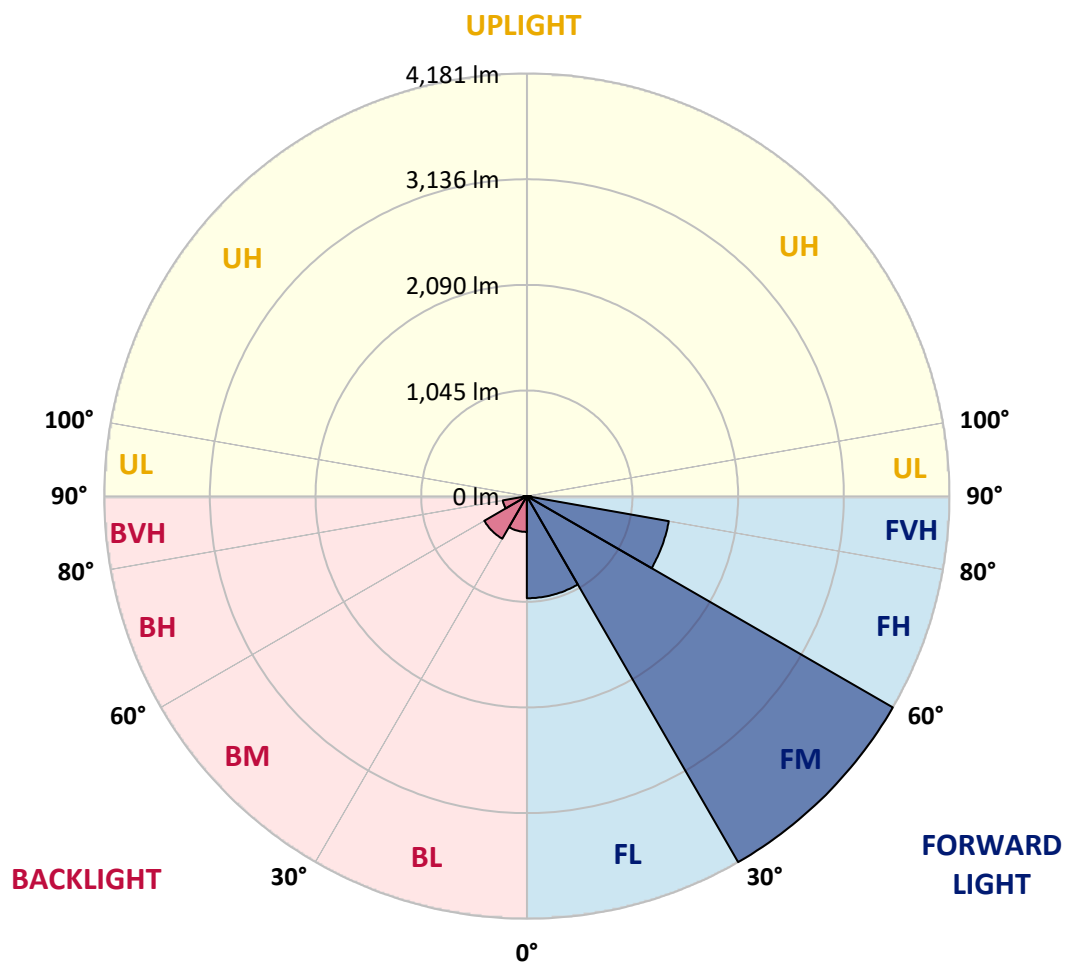
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1009.7	13.0			
FM	(30°-60°)	4180.8	53.7			
FH	(60°-80°)	1425.7	18.3			G1/1800
FVH	(80°-90°)	44.9	0.6			G1/100
BL	(0°-30°)	354.0	4.6	B1/500		
BM	(30°-60°)	486.1	6.2	B1/1000		
BH	(60°-80°)	241.3	3.1	B1/500		G1/500
BVH	(80°-90°)	37.0	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°	1725.3	1725.3	1725.3	1725.3	1725.3	1725.3	1725.3	1725.3	1725.3	1725.3	1725.3
2.5°	2007.8	2000.4	2000.4	1981.8	1954.2	1915.9	1870.2	1858.9	1841.4	1796.9	1739.4
5°	2313.9	2306.0	2295.3	2262.6	2211.3	2134.6	2038.2	2020.7	1958.1	1866.2	1762.5
7.5°	2516.3	2511.8	2508.4	2480.2	2429.5	2353.9	2224.8	2205.1	2099.1	1946.9	1784.5
10°	2495.5	2509.0	2532.7	2552.4	2562.6	2523.7	2402.4	2379.3	2247.9	2040.5	1817.2
12.5°	2299.8	2319.0	2363.0	2443.6	2536.6	2611.6	2542.8	2529.9	2406.9	2139.7	1858.3
15°	2154.4	2162.2	2183.7	2243.4	2382.1	2582.3	2651.6	2639.8	2555.2	2267.1	1905.7
17.5°	2109.2	2112.6	2117.7	2137.4	2232.2	2467.8	2696.2	2707.5	2699.0	2399.6	1959.3
20°	2131.8	2134.1	2134.6	2138.0	2183.1	2372.0	2684.3	2703.5	2825.3	2532.1	2012.3
22.5°	2218.6	2215.8	2211.9	2198.9	2224.3	2355.1	2652.8	2683.2	2922.8	2652.8	2061.3
25°	2370.3	2366.3	2338.7	2311.7	2322.4	2416.0	2635.9	2668.6	2999.0	2766.7	2097.4
27.5°	2550.7	2546.8	2518.6	2467.3	2456.0	2517.4	2675.3	2695.6	3054.8	2867.6	2113.2
30°	2737.9	2737.9	2702.9	2643.7	2607.7	2633.6	2748.1	2764.4	3097.1	2965.1	2123.3
32.5°	2942.0	2947.6	2893.5	2825.9	2785.8	2770.6	2850.1	2864.2	3158.5	3080.1	2144.8
35°	3204.2	3191.8	3125.8	3036.7	2972.5	2938.1	2976.4	2992.7	3248.7	3223.4	2179.2
37.5°	3499.1	3477.1	3395.9	3289.3	3177.1	3119.6	3145.0	3148.9	3382.3	3410.0	2241.7
40°	3742.6	3738.7	3669.9	3569.0	3427.5	3350.2	3337.8	3340.1	3567.8	3631.0	2336.5
42.5°	3947.9	3933.2	3920.8	3885.3	3735.3	3608.4	3557.7	3558.3	3769.1	3859.3	2431.7
45°	4038.6	4035.8	4072.5	4163.8	4056.1	3906.7	3834.5	3844.7	3999.7	4093.9	2523.7
47.5°	3999.7	4002.0	4100.1	4339.7	4403.4	4289.0	4161.0	4154.8	4223.0	4273.7	2604.8
50°	3652.4	3689.1	3954.6	4356.1	4631.2	4688.2	4543.8	4520.7	4418.6	4417.0	2654.5
52.5°	3390.2	3388.5	3551.5	4189.7	4711.8	5048.4	4918.8	4866.9	4580.5	4497.6	2658.4
55°	3036.2	3033.9	3155.1	3703.2	4551.7	5299.9	5272.3	5207.4	4728.7	4524.1	2631.3
57.5°	2299.3	2342.1	2462.8	2964.6	4044.3	5259.9	5610.0	5555.9	4873.6	4512.2	2626.3
60°	1251.1	1246.0	1420.8	1932.2	3096.5	4805.4	5757.2	5754.3	5027.6	4507.7	2657.3
62.5°	576.8	571.1	606.1	860.4	1775.5	3849.8	5473.0	5513.6	5170.2	4466.6	2654.5
65°	431.3	416.7	369.3	400.3	679.4	2298.1	4648.7	4756.9	4950.3	4297.4	2531.5
67.5°	384.5	370.4	315.2	295.4	341.1	810.8	3372.2	3472.0	4139.6	3980.6	2332.5
70°	352.4	340.0	284.7	253.7	256.0	359.2	1765.3	1961.5	3033.9	3322.0	1988.0
72.5°	321.4	310.7	260.5	223.3	215.4	237.4	601.6	725.6	1887.1	2421.0	1482.3
75°	288.7	278.5	234.5	200.2	184.9	175.9	286.4	308.4	998.0	1336.8	795.5
77.5°	250.9	245.3	209.2	176.5	163.5	133.1	190.6	200.2	427.4	524.9	378.9
80°	218.2	213.7	186.6	160.1	146.6	102.6	131.4	138.1	210.9	262.2	212.0
82.5°	142.1	153.4	154.5	137.6	129.1	82.3	86.8	91.9	139.8	154.5	92.5
85°	58.6	71.0	106.6	94.7	89.6	69.9	57.5	58.6	85.7	90.2	33.3
87.5°	26.5	29.3	52.4	53.0	46.2	26.5	28.8	31.6	44.0	43.4	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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1725.3	1725.3	1725.3	1725.3	1725.3	1725.3	1725.3	1725.3	1725.3	1725.3	1725.3
2.5°	1723.6	1697.7	1651.4	1592.2	1549.9	1518.9	1485.1	1460.3	1432.7	1408.4	1412.4
5°	1719.6	1669.5	1565.7	1455.8	1348.7	1260.7	1187.4	1133.3	1077.5	1055.5	1052.6
7.5°	1723.0	1637.9	1467.6	1287.8	1124.8	1012.6	927.5	876.2	844.0	825.4	826.6
10°	1721.9	1608.0	1361.6	1113.5	935.4	832.8	780.9	764.0	761.2	763.4	766.8
12.5°	1723.6	1567.4	1242.7	956.8	799.5	747.1	749.3	764.5	774.1	780.3	784.3
15°	1730.9	1534.2	1120.9	833.3	728.5	730.1	754.4	778.1	792.2	798.9	802.3
17.5°	1741.6	1492.4	1012.6	739.7	698.6	724.5	756.1	781.5	792.2	796.1	798.9
20°	1742.8	1444.5	903.2	675.5	678.8	712.7	740.3	760.6	774.1	778.6	780.9
22.5°	1737.7	1379.7	791.0	628.7	656.3	690.1	713.8	736.9	718.9	704.2	700.3
25°	1716.3	1297.9	695.2	590.3	628.1	659.7	686.7	661.4	652.9	641.6	642.8
27.5°	1670.0	1195.9	605.0	554.2	594.8	639.9	620.2	616.8	606.1	594.8	594.8
30°	1609.1	1088.2	529.4	516.5	554.8	577.4	581.9	576.8	570.6	555.9	557.1
32.5°	1554.4	974.3	475.9	484.9	529.4	529.4	549.2	549.2	526.6	485.4	485.4
35°	1500.3	867.2	436.4	458.4	487.7	497.3	524.4	488.8	456.7	438.1	437.0
37.5°	1458.0	775.8	410.5	435.8	447.1	471.4	471.9	446.0	435.3	418.4	416.7
40°	1433.2	699.1	394.7	424.6	425.7	448.2	411.0	418.4	416.1	403.1	401.4
42.5°	1419.7	639.9	382.8	415.0	409.3	387.3	380.6	393.0	396.9	390.2	387.3
45°	1409.0	593.7	373.2	381.7	396.4	356.3	353.5	363.1	371.6	371.0	368.7
47.5°	1403.3	561.6	364.8	360.8	363.7	337.7	332.1	336.6	347.3	354.1	353.5
50°	1381.4	536.8	352.4	339.4	321.4	321.4	318.6	318.6	331.5	345.1	346.2
52.5°	1342.5	507.4	334.3	319.1	298.3	307.3	308.4	306.2	319.7	334.3	335.5
55°	1299.6	485.4	310.1	300.5	279.1	294.3	299.4	297.1	306.2	316.3	315.7
57.5°	1300.2	484.9	289.2	281.9	261.0	278.0	290.4	290.9	290.4	297.7	297.7
60°	1332.9	496.2	272.9	257.1	240.2	260.5	280.8	280.8	276.8	287.5	288.7
62.5°	1342.5	495.0	262.7	233.4	221.6	244.7	266.7	270.1	267.2	282.5	284.2
65°	1257.9	468.5	252.6	212.0	204.7	227.2	249.2	258.8	256.0	275.7	278.0
67.5°	1140.6	434.1	236.8	192.8	187.2	210.3	231.2	241.3	240.8	266.7	267.8
70°	983.3	391.9	217.1	173.1	170.3	190.6	209.2	219.9	225.0	254.8	254.3
72.5°	761.7	336.0	187.2	152.2	151.7	170.3	186.6	198.5	208.0	236.8	236.8
75°	491.1	264.4	152.8	131.9	129.7	147.2	164.1	177.6	206.9	252.6	252.0
77.5°	300.0	201.8	122.9	109.9	109.4	125.2	142.1	165.2	226.1	225.0	218.8
80°	179.9	144.9	98.1	88.0	88.0	102.6	121.2	177.0	187.8	214.3	202.4
82.5°	93.6	89.1	73.3	64.8	67.7	80.6	110.5	141.5	153.4	130.2	119.5
85°	38.3	47.4	45.1	41.2	42.9	55.8	106.6	113.3	90.8	95.3	95.8
87.5°	13.0	20.9	20.9	16.4	18.0	39.5	63.1	37.8	45.7	27.1	20.3
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)