

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: P671931

Luminaire Tested: **CCP-SA-2D-722-U-AFL**

Issue Date: 04/16/2023

Test Information

Test Method: LM-79-08
Report Number: P671931
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2D-722-U-AFL
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @800mA w/ AFL
distribution lens
Light Source: (32) 2200K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8290.3 lumens
Efficiency: N/A
Efficacy: 102.6 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): 80.8
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

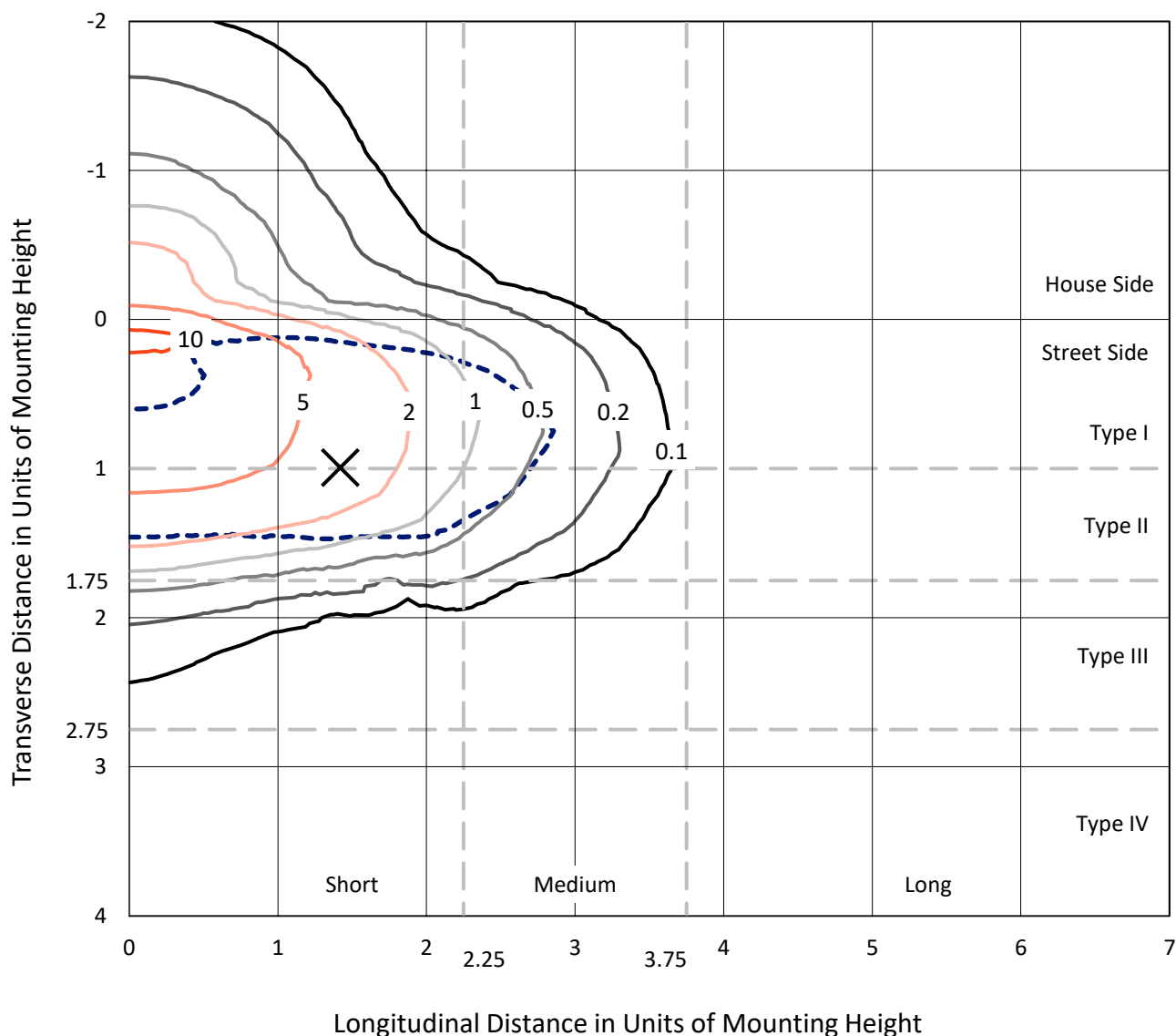
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

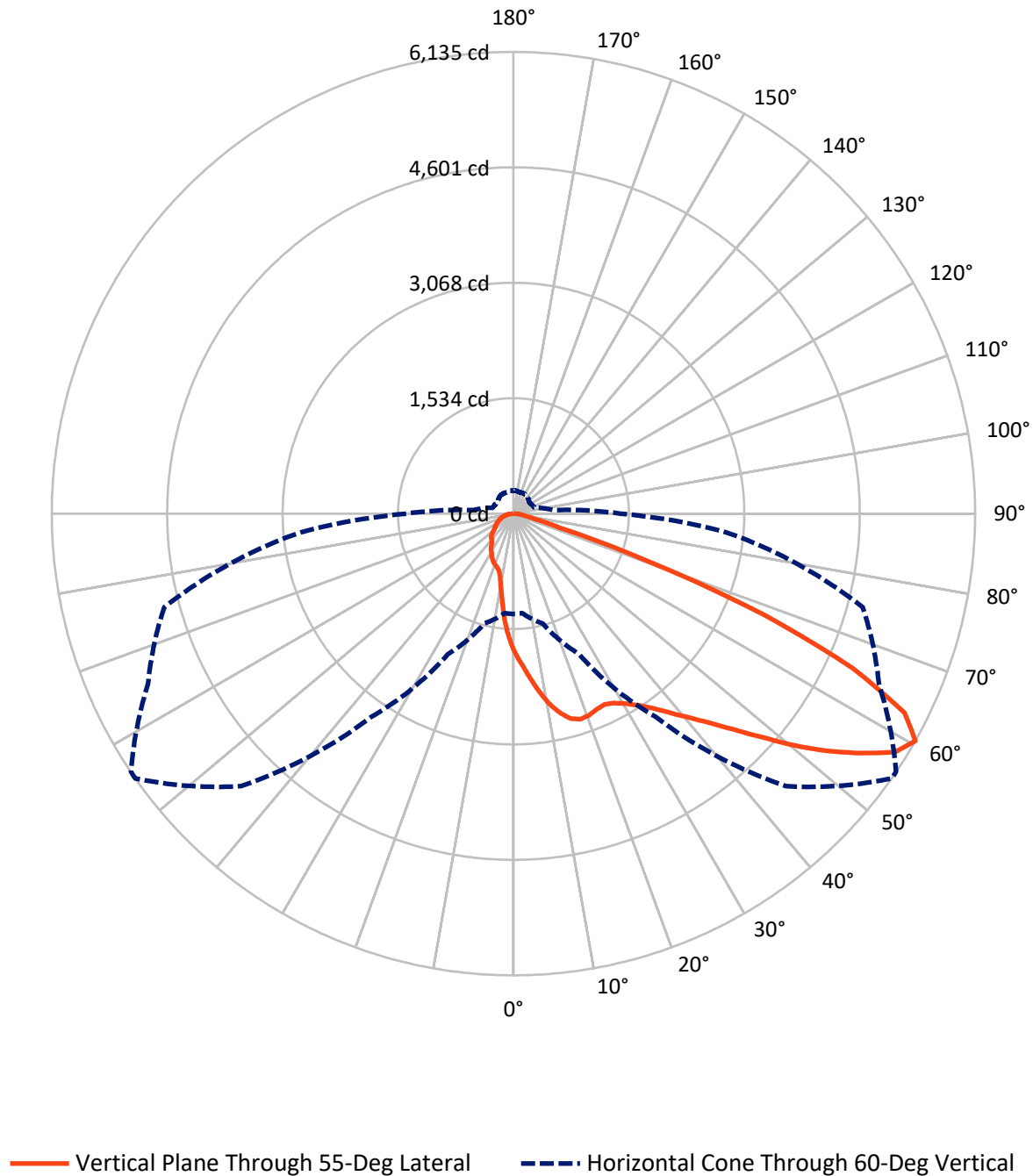


Based on 15 foot mounting height. Maximum calculated value = 11.5 fc

Type II - Short - N/A

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Luminous Intensity Polar Plot



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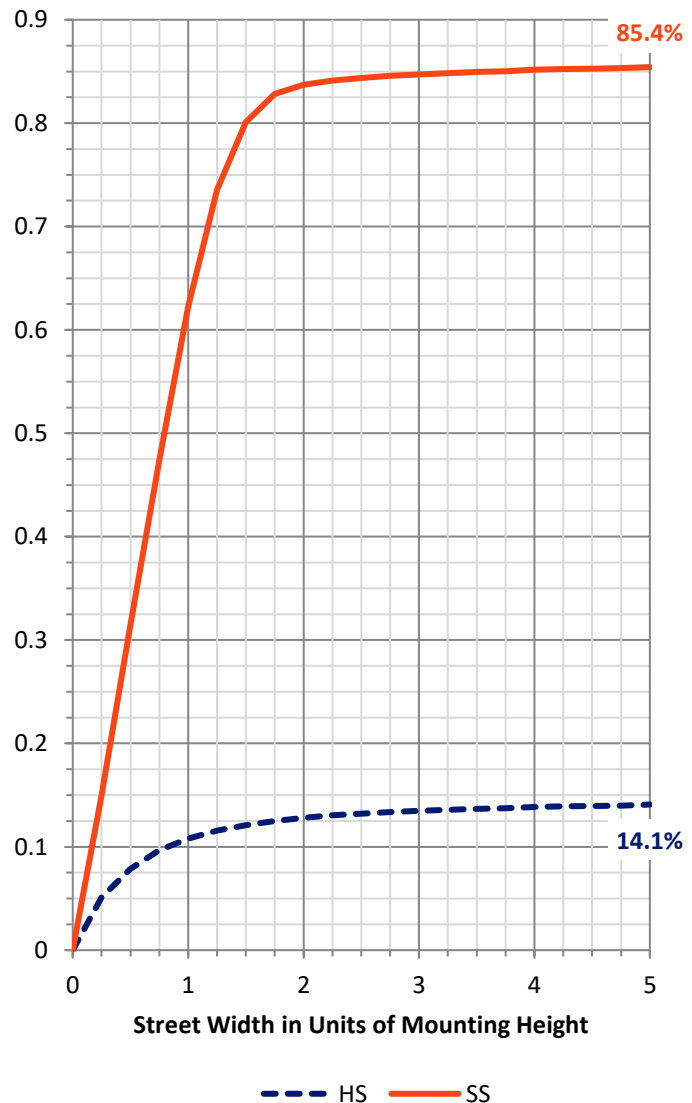
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1191.8	0.0	1191.8
	% Fixture	14.4	0.0	14.4
Street Side	Lumens	7098.6	0.0	7098.6
	% Fixture	85.6	0.0	85.6
Total	Lumens	8290.3	0.0	8290.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	172.1	2.1
10°-20°	487.5	5.9
20°-30°	793.7	9.6
30°-40°	1186.3	14.3
40°-50°	1743.6	21.0
50°-60°	2043.5	24.6
60°-70°	1347.4	16.3
70°-80°	429.0	5.2
80°-90°	87.2	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°	8290.3	100.0
0°-180°	8290.3	100.0

Coefficient of Utilization



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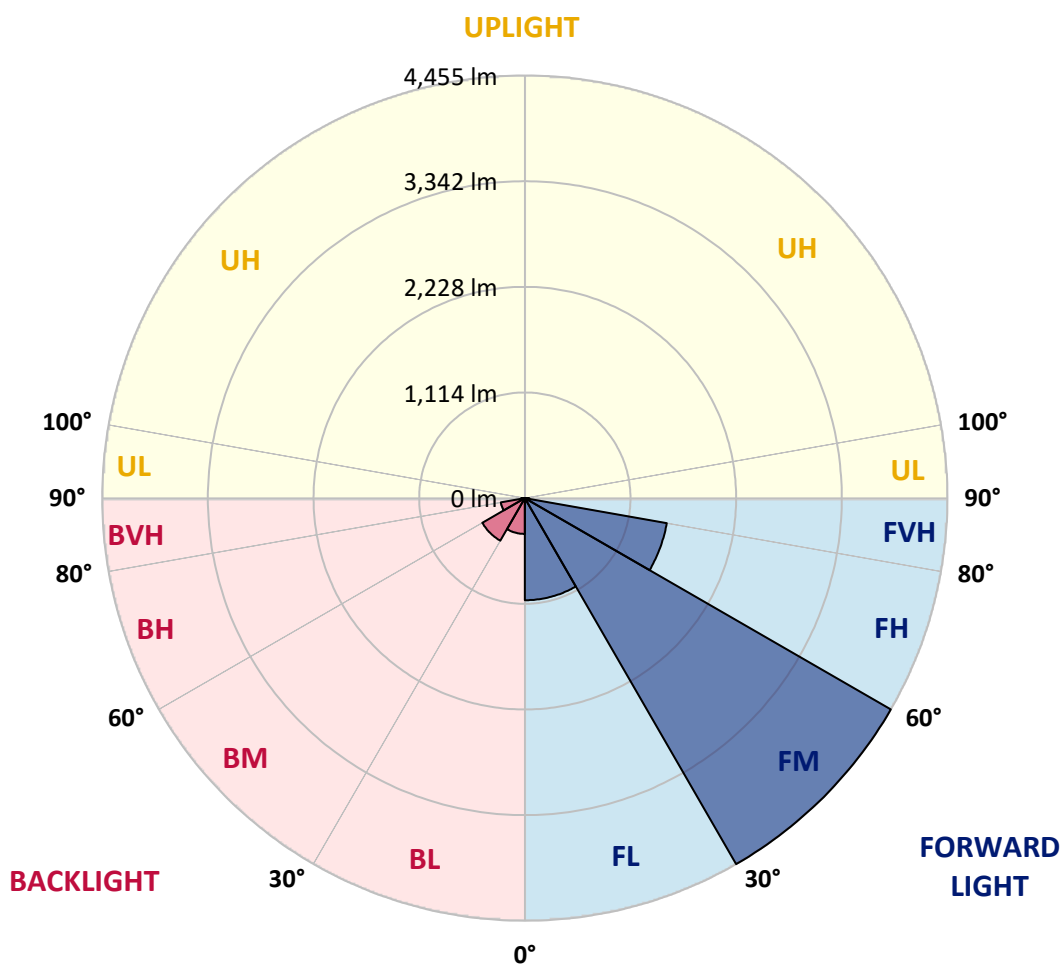
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1076.0	13.0			
FM	(30°-60°)	4455.4	53.7			
FH	(60°-80°)	1519.3	18.3			G1/1800
FVH	(80°-90°)	47.8	0.6			G1/100
BL	(0°-30°)	377.2	4.6	B1/500		
BM	(30°-60°)	518.0	6.2	B1/1000		
BH	(60°-80°)	257.2	3.1	B1/500		G1/500
BVH	(80°-90°)	39.4	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°	1838.6	1838.6	1838.6	1838.6	1838.6	1838.6	1838.6	1838.6	1838.6	1838.6	1838.6
2.5°	2139.6	2131.8	2131.8	2112.0	2082.6	2041.7	1993.0	1981.0	1962.4	1914.9	1853.6
5°	2465.9	2457.5	2446.1	2411.2	2356.5	2274.8	2172.1	2153.5	2086.8	1988.8	1878.3
7.5°	2681.6	2676.8	2673.2	2643.1	2589.1	2508.6	2371.0	2349.9	2237.0	2074.7	1901.7
10°	2659.4	2673.8	2699.0	2720.1	2730.9	2689.4	2560.2	2535.6	2395.6	2174.5	1936.5
12.5°	2450.9	2471.3	2518.2	2604.1	2703.2	2783.1	2709.8	2696.0	2565.0	2280.2	1980.4
15°	2295.9	2304.3	2327.1	2390.8	2538.6	2751.9	2825.8	2813.2	2723.1	2416.0	2030.9
17.5°	2247.8	2251.4	2256.8	2277.8	2378.8	2629.9	2873.3	2885.3	2876.3	2557.2	2088.0
20°	2271.8	2274.2	2274.8	2278.4	2326.5	2527.8	2860.7	2881.1	3010.9	2698.4	2144.4
22.5°	2364.4	2361.3	2357.1	2343.3	2370.4	2509.8	2827.0	2859.5	3114.8	2827.0	2196.7
25°	2526.0	2521.8	2492.3	2463.5	2474.9	2574.6	2809.0	2843.8	3195.9	2948.4	2235.2
27.5°	2718.3	2714.0	2684.0	2629.3	2617.3	2682.8	2851.0	2872.7	3255.4	3055.9	2252.0
30°	2917.7	2917.7	2880.5	2817.4	2778.9	2806.6	2928.6	2946.0	3300.5	3159.9	2262.8
32.5°	3135.2	3141.3	3083.6	3011.5	2968.8	2952.6	3037.3	3052.3	3366.0	3282.5	2285.6
35°	3414.6	3401.4	3331.1	3236.2	3167.7	3131.0	3171.9	3189.3	3462.1	3435.1	2322.3
37.5°	3728.9	3705.5	3618.9	3505.4	3385.8	3324.5	3351.6	3355.8	3604.5	3634.0	2389.0
40°	3988.5	3984.2	3910.9	3803.4	3652.6	3570.3	3557.0	3559.4	3802.2	3869.5	2489.9
42.5°	4207.2	4191.5	4178.3	4140.5	3980.6	3845.5	3791.4	3792.0	4016.7	4112.8	2591.5
45°	4303.9	4300.9	4340.0	4437.3	4322.5	4163.3	4086.4	4097.2	4262.4	4362.8	2689.4
47.5°	4262.4	4264.8	4369.4	4624.8	4692.7	4570.7	4434.3	4427.7	4500.4	4554.5	2775.9
50°	3892.3	3931.4	4214.4	4642.2	4935.4	4996.1	4842.3	4817.6	4708.9	4707.1	2828.8
52.5°	3612.9	3611.1	3784.8	4464.9	5021.3	5380.0	5241.8	5186.6	4881.3	4793.0	2833.0
55°	3235.6	3233.2	3362.4	3946.4	4850.7	5648.0	5618.6	5549.5	5039.3	4821.2	2804.2
57.5°	2450.3	2495.9	2624.5	3159.3	4309.9	5605.3	5978.5	5920.8	5193.8	4808.6	2798.8
60°	1333.3	1327.9	1514.1	2059.1	3299.9	5121.1	6135.3	6132.3	5357.8	4803.8	2831.8
62.5°	614.7	608.7	645.9	916.9	1892.1	4102.6	5832.5	5875.7	5509.8	4759.9	2828.8
65°	459.7	444.0	393.6	426.6	724.0	2449.1	4954.0	5069.4	5275.5	4579.7	2697.8
67.5°	409.8	394.8	335.9	314.8	363.5	864.0	3593.7	3700.0	4411.5	4242.0	2485.7
70°	375.5	362.3	303.4	270.4	272.8	382.7	1881.3	2090.4	3233.2	3540.2	2118.6
72.5°	342.5	331.1	277.6	237.9	229.5	253.0	641.1	773.3	2011.1	2580.1	1579.6
75°	307.6	296.8	250.0	213.3	197.1	187.5	305.2	328.7	1063.5	1424.6	847.8
77.5°	267.4	261.4	222.9	188.1	174.2	141.8	203.1	213.3	455.4	559.4	403.8
80°	232.5	227.7	198.9	170.6	156.2	109.4	140.0	147.2	224.7	279.4	225.9
82.5°	151.4	163.4	164.6	146.6	137.6	87.7	92.5	97.9	149.0	164.6	98.5
85°	62.5	75.7	113.6	100.9	95.5	74.5	61.3	62.5	91.3	96.1	35.5
87.5°	28.2	31.2	55.9	56.5	49.3	28.2	30.6	33.6	46.9	46.3	15.6
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°	1838.6	1838.6	1838.6	1838.6	1838.6	1838.6	1838.6	1838.6	1838.6	1838.6	1838.6
2.5°	1836.8	1809.2	1759.9	1696.8	1651.7	1618.7	1582.6	1556.2	1526.8	1500.9	1505.1
5°	1832.6	1779.1	1668.6	1551.4	1437.2	1343.5	1265.4	1207.7	1148.2	1124.8	1121.8
7.5°	1836.2	1745.5	1564.0	1372.3	1198.7	1079.1	988.4	933.7	899.5	879.6	880.8
10°	1835.0	1713.6	1451.1	1186.7	996.8	887.5	832.2	814.2	811.1	813.6	817.2
12.5°	1836.8	1670.4	1324.3	1019.6	852.0	796.1	798.5	814.8	825.0	831.6	835.8
15°	1844.6	1634.9	1194.5	888.1	776.3	778.1	803.9	829.2	844.2	851.4	855.0
17.5°	1856.0	1590.5	1079.1	788.3	744.5	772.1	805.7	832.8	844.2	848.4	851.4
20°	1857.2	1539.4	962.6	719.8	723.4	759.5	788.9	810.5	825.0	829.8	832.2
22.5°	1851.8	1470.3	843.0	669.9	699.4	735.4	760.7	785.3	766.1	750.5	746.3
25°	1829.0	1383.2	740.9	629.1	669.3	703.0	731.8	704.8	695.8	683.8	685.0
27.5°	1779.7	1274.4	644.7	590.6	633.9	682.0	660.9	657.3	645.9	633.9	633.9
30°	1714.8	1159.6	564.2	550.4	591.2	615.3	620.1	614.7	608.1	592.4	593.6
32.5°	1656.5	1038.3	507.1	516.7	564.2	564.2	585.2	585.2	561.2	517.3	517.3
35°	1598.9	924.1	465.1	488.5	519.7	530.0	558.8	520.9	486.7	466.9	465.7
37.5°	1553.8	826.8	437.4	464.5	476.5	502.3	502.9	475.3	463.9	445.8	444.0
40°	1527.4	745.1	420.6	452.4	453.6	477.7	438.0	445.8	443.4	429.6	427.8
42.5°	1512.9	682.0	408.0	442.2	436.2	412.8	405.6	418.8	423.0	415.8	412.8
45°	1501.5	632.7	397.8	406.8	422.4	379.7	376.7	386.9	396.0	395.4	393.0
47.5°	1495.5	598.4	388.8	384.5	387.5	359.9	353.9	358.7	370.1	377.3	376.7
50°	1472.1	572.0	375.5	361.7	342.5	342.5	339.5	339.5	353.3	367.7	368.9
52.5°	1430.6	540.8	356.3	340.1	317.9	327.5	328.7	326.3	340.7	356.3	357.5
55°	1385.0	517.3	330.5	320.3	297.4	313.6	319.1	316.6	326.3	337.1	336.5
57.5°	1385.6	516.7	308.2	300.4	278.2	296.2	309.4	310.0	309.4	317.2	317.2
60°	1420.4	528.7	290.8	274.0	256.0	277.6	299.2	299.2	295.0	306.4	307.6
62.5°	1430.6	527.5	280.0	248.8	236.1	260.8	284.2	287.8	284.8	301.0	302.8
65°	1340.5	499.3	269.2	225.9	218.1	242.1	265.6	275.8	272.8	293.8	296.2
67.5°	1215.5	462.7	252.4	205.5	199.5	224.1	246.3	257.2	256.6	284.2	285.4
70°	1047.9	417.6	231.3	184.5	181.5	203.1	222.9	234.3	239.7	271.6	271.0
72.5°	811.8	358.1	199.5	162.2	161.6	181.5	198.9	211.5	221.7	252.4	252.4
75°	523.3	281.8	162.8	140.6	138.2	156.8	174.8	189.3	220.5	269.2	268.6
77.5°	319.7	215.1	131.0	117.2	116.6	133.4	151.4	176.0	240.9	239.7	233.1
80°	191.7	154.4	104.5	93.7	93.7	109.4	129.2	188.7	200.1	228.3	215.7
82.5°	99.7	94.9	78.1	69.1	72.1	85.9	117.8	150.8	163.4	138.8	127.4
85°	40.9	50.5	48.1	43.9	45.7	59.5	113.6	120.8	96.7	101.5	102.1
87.5°	13.8	22.2	22.2	17.4	19.2	42.1	67.3	40.3	48.7	28.8	21.6
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)