

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: P672030

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

Issue Date: 04/16/2023

Test Information

Test Method: LM-79-08
Report Number: P672030
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2D-835-U-AFL
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @800mA w/ AFL
distribution lens
Light Source: (32) 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9274 lumens
Efficiency: N/A
Efficacy: 114.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

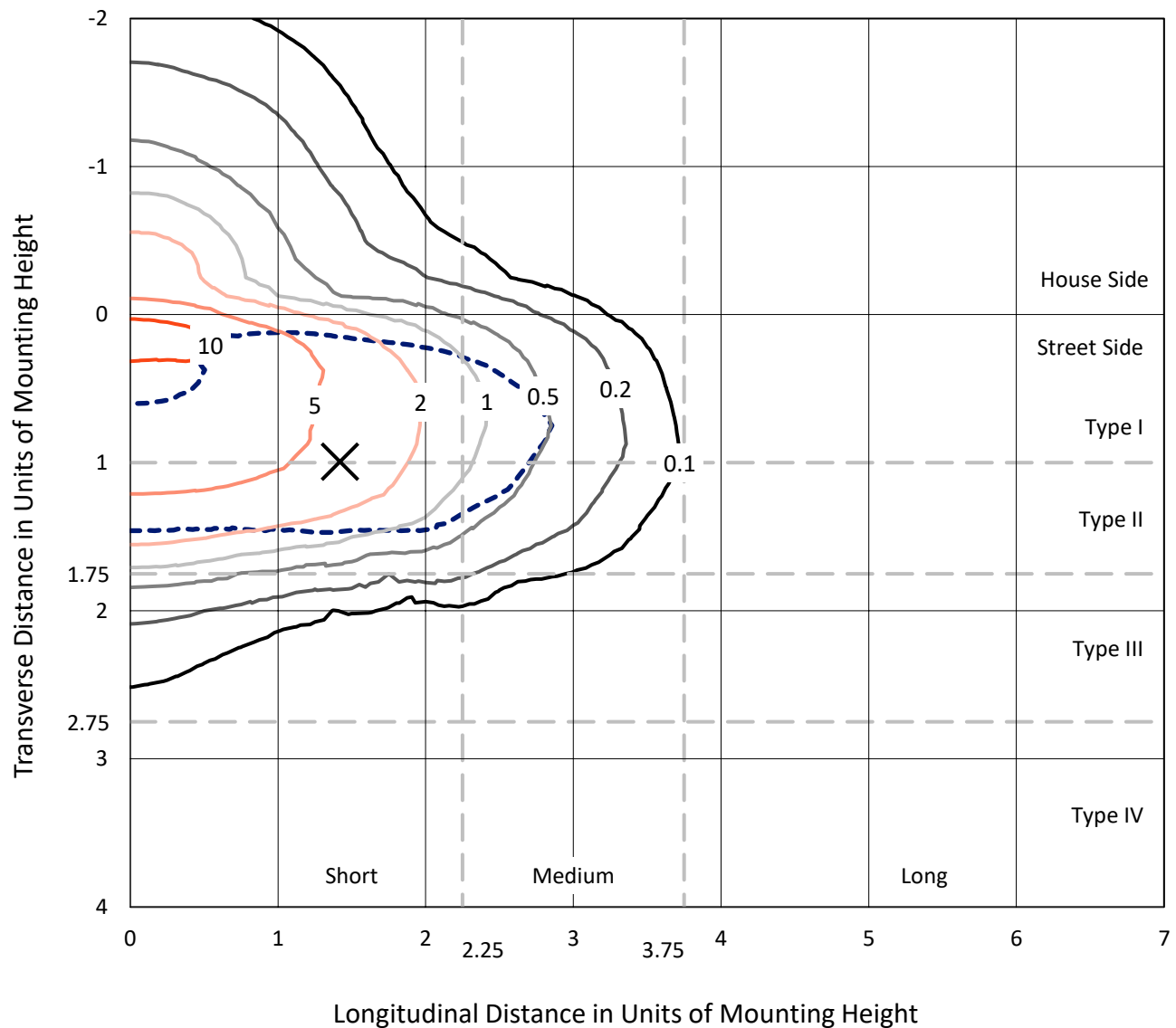
Input Watts (W): 80.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Iso-Footcandle Lines of Horizontal Illumination

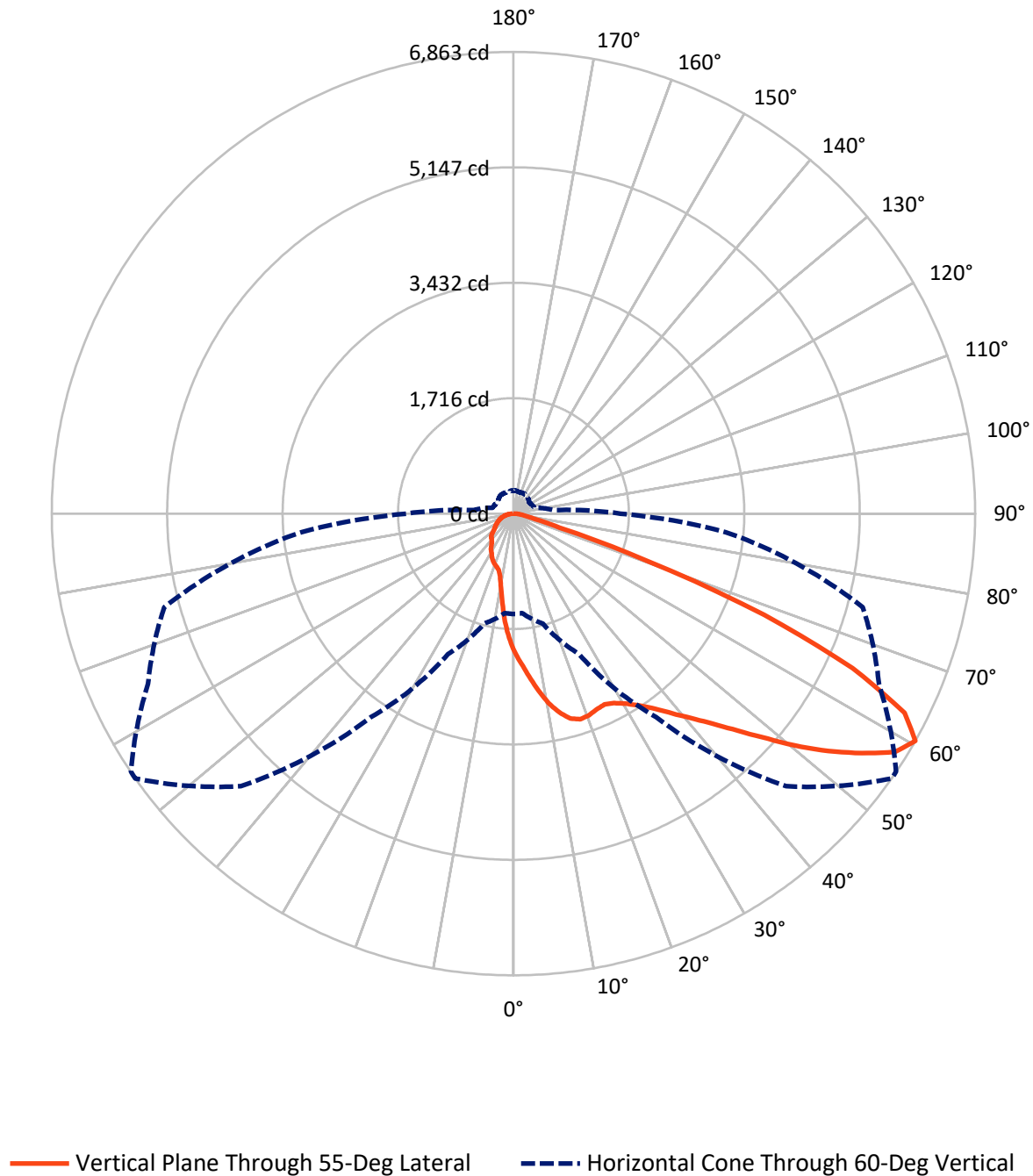
✕ Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 12.9 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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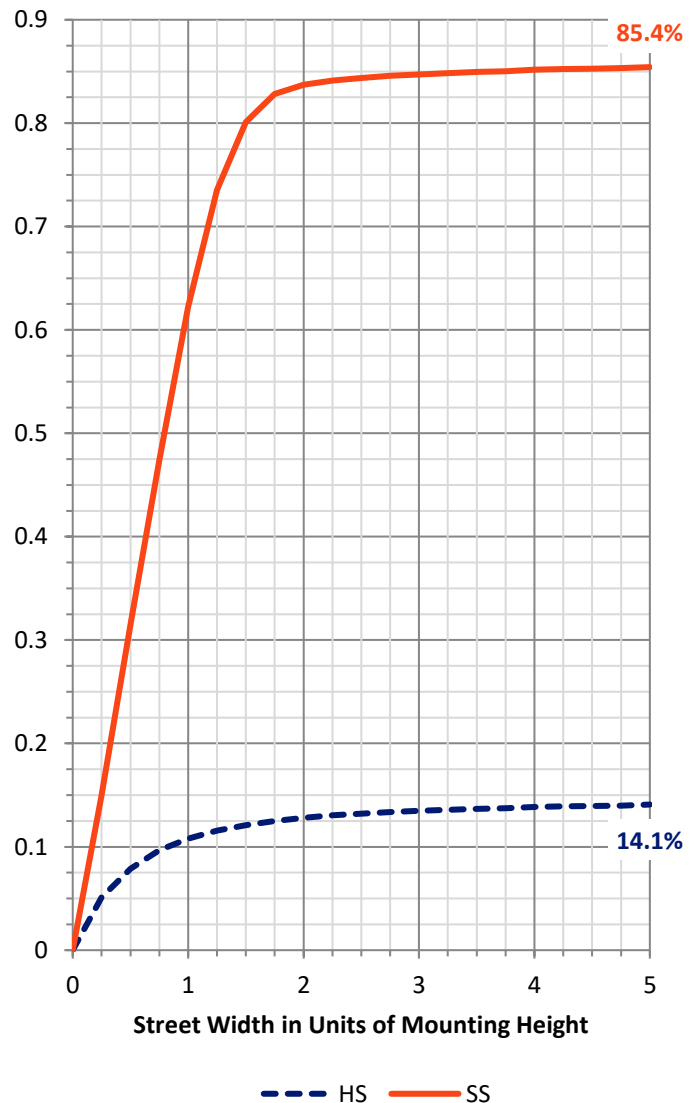
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1333.2	0.0	1333.2
	% Fixture	14.4	0.0	14.4
Street Side	Lumens	7940.8	0.0	7940.8
	% Fixture	85.6	0.0	85.6
Total	Lumens	9274.0	0.0	9274.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	192.5	2.1
10°-20°	545.3	5.9
20°-30°	887.9	9.6
30°-40°	1327.0	14.3
40°-50°	1950.4	21.0
50°-60°	2286.0	24.6
60°-70°	1507.3	16.3
70°-80°	480.0	5.2
80°-90°	97.6	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°	9274.0	100.0
0°-180°	9274.0	100.0

Coefficient of Utilization



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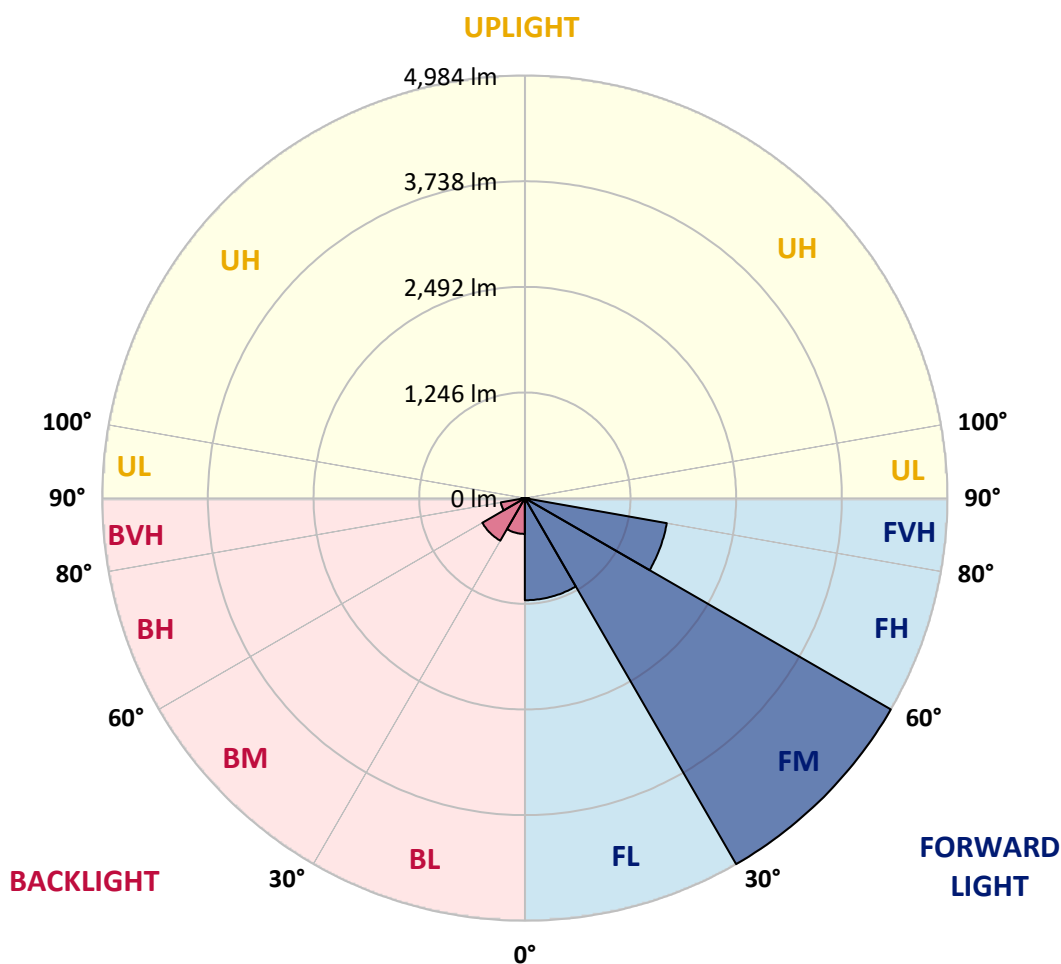
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1203.7	13.0			
FM	(30°-60°)	4984.1	53.7			
FH	(60°-80°)	1699.6	18.3			G1/1800
FVH	(80°-90°)	53.5	0.6			G1/100
BL	(0°-30°)	422.0	4.6	B1/500		
BM	(30°-60°)	579.4	6.2	B1/1000		
BH	(60°-80°)	287.7	3.1	B1/500		G1/500
BVH	(80°-90°)	44.1	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°	2056.8	2056.8	2056.8	2056.8	2056.8	2056.8	2056.8	2056.8	2056.8	2056.8	2056.8
2.5°	2393.5	2384.8	2384.8	2362.6	2329.7	2283.9	2229.5	2216.1	2195.2	2142.1	2073.6
5°	2758.5	2749.1	2736.3	2697.3	2636.2	2544.7	2429.8	2409.0	2334.4	2224.8	2101.1
7.5°	2999.8	2994.4	2990.4	2956.8	2896.3	2806.2	2652.3	2628.8	2502.4	2320.9	2127.3
10°	2974.9	2991.0	3019.3	3042.8	3054.9	3008.5	2864.0	2836.5	2679.8	2432.5	2166.3
12.5°	2741.7	2764.5	2817.0	2913.1	3024.0	3113.4	3031.4	3015.9	2869.4	2550.8	2215.4
15°	2568.3	2577.7	2603.2	2674.5	2839.8	3078.4	3161.1	3147.0	3046.2	2702.7	2271.8
17.5°	2514.5	2518.5	2524.6	2548.1	2661.0	2942.0	3214.2	3227.6	3217.6	2860.6	2335.7
20°	2541.4	2544.1	2544.7	2548.8	2602.5	2827.7	3200.1	3222.9	3368.1	3018.6	2398.9
22.5°	2644.9	2641.5	2636.8	2621.4	2651.6	2807.5	3162.4	3198.7	3484.4	3162.4	2457.4
25°	2825.7	2821.0	2788.1	2755.8	2768.6	2880.1	3142.3	3181.3	3575.1	3298.2	2500.4
27.5°	3040.8	3036.1	3002.5	2941.3	2927.9	3001.1	3189.3	3213.5	3641.7	3418.5	2519.2
30°	3263.9	3263.9	3222.3	3151.7	3108.7	3139.6	3276.0	3295.5	3692.1	3534.8	2531.3
32.5°	3507.3	3514.0	3449.4	3368.8	3321.1	3302.9	3397.7	3414.5	3765.4	3671.9	2556.8
35°	3819.8	3805.0	3726.4	3620.2	3543.5	3502.5	3548.3	3567.7	3872.9	3842.7	2597.8
37.5°	4171.3	4145.1	4048.3	3921.3	3787.5	3719.0	3749.2	3753.9	4032.2	4065.1	2672.4
40°	4461.7	4457.0	4375.0	4254.7	4086.0	3993.9	3979.1	3981.8	4253.3	4328.6	2785.4
42.5°	4706.4	4688.9	4674.1	4631.7	4453.0	4301.7	4241.2	4241.9	4493.3	4600.8	2899.0
45°	4814.6	4811.2	4854.9	4963.8	4835.4	4657.3	4571.3	4583.4	4768.2	4880.4	3008.5
47.5°	4768.2	4770.9	4887.8	5173.5	5249.5	5113.0	4960.4	4953.0	5034.4	5094.9	3105.3
50°	4354.2	4397.8	4714.4	5193.0	5521.0	5588.9	5416.8	5389.3	5267.6	5265.6	3164.5
52.5°	4041.6	4039.6	4233.8	4994.7	5617.1	6018.4	5863.8	5802.0	5460.5	5361.7	3169.2
55°	3619.5	3616.8	3761.3	4414.6	5426.2	6318.2	6285.2	6207.9	5637.3	5393.3	3136.9
57.5°	2741.0	2792.1	2935.9	3534.1	4821.3	6270.4	6687.8	6623.3	5810.0	5379.2	3130.9
60°	1491.5	1485.4	1693.8	2303.4	3691.4	5728.7	6863.3	6859.9	5993.5	5373.8	3167.8
62.5°	687.6	680.9	722.6	1025.7	2116.6	4589.4	6524.5	6572.9	6163.6	5324.7	3164.5
65°	514.2	496.7	440.3	477.2	809.9	2739.7	5541.8	5670.9	5901.4	5123.1	3017.9
67.5°	458.4	441.6	375.7	352.2	406.6	966.5	4020.1	4139.1	4934.9	4745.3	2780.7
70°	420.1	405.3	339.4	302.5	305.2	428.2	2104.5	2338.4	3616.8	3960.3	2370.0
72.5°	383.1	370.4	310.5	266.2	256.8	283.0	717.2	865.1	2249.7	2886.2	1767.1
75°	344.1	332.0	279.6	238.6	220.5	209.7	341.4	367.7	1189.7	1593.7	948.4
77.5°	299.1	292.4	249.4	210.4	194.9	158.6	227.2	238.6	509.5	625.8	451.7
80°	260.1	254.7	222.5	190.9	174.8	122.3	156.6	164.7	251.4	312.5	252.7
82.5°	169.4	182.8	184.2	164.0	153.9	98.1	103.5	109.6	166.7	184.2	110.2
85°	69.9	84.7	127.0	112.9	106.9	83.3	68.6	69.9	102.2	107.5	39.7
87.5°	31.6	35.0	62.5	63.2	55.1	31.6	34.3	37.6	52.4	51.8	17.5
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°	2056.8	2056.8	2056.8	2056.8	2056.8	2056.8	2056.8	2056.8	2056.8	2056.8	2056.8
2.5°	2054.7	2023.8	1968.7	1898.1	1847.7	1810.8	1770.4	1740.9	1707.9	1679.0	1683.7
5°	2050.0	1990.2	1866.5	1735.5	1607.8	1502.9	1415.5	1351.0	1284.5	1258.3	1254.9
7.5°	2054.1	1952.6	1749.6	1535.2	1340.9	1207.2	1105.7	1044.5	1006.2	984.0	985.4
10°	2052.7	1917.0	1623.2	1327.5	1115.1	992.8	930.9	910.8	907.4	910.1	914.1
12.5°	2054.7	1868.6	1481.4	1140.6	953.1	890.6	893.3	911.4	922.9	930.2	935.0
15°	2063.5	1828.9	1336.2	993.4	868.4	870.4	899.3	927.6	944.4	952.4	956.5
17.5°	2076.3	1779.2	1207.2	881.9	832.8	863.7	901.3	931.6	944.4	949.1	952.4
20°	2077.6	1722.0	1076.8	805.2	809.3	849.6	882.5	906.7	922.9	928.2	930.9
22.5°	2071.6	1644.7	943.0	749.4	782.4	822.7	850.9	878.5	857.0	839.5	834.8
25°	2046.0	1547.3	828.8	703.7	748.8	786.4	818.7	788.4	778.3	764.9	766.2
27.5°	1990.9	1425.6	721.2	660.7	709.1	762.9	739.4	735.3	722.6	709.1	709.1
30°	1918.3	1297.2	631.1	615.7	661.4	688.3	693.7	687.6	680.2	662.7	664.1
32.5°	1853.1	1161.5	567.3	578.0	631.1	631.1	654.7	654.7	627.8	578.7	578.7
35°	1788.6	1033.8	520.2	546.5	581.4	592.8	625.1	582.7	544.4	522.3	520.9
37.5°	1738.2	924.9	489.3	519.6	533.0	561.9	562.6	531.7	518.9	498.7	496.7
40°	1708.6	833.5	470.5	506.1	507.5	534.4	490.0	498.7	496.0	480.6	478.6
42.5°	1692.5	762.9	456.4	494.7	488.0	461.8	453.7	468.5	473.2	465.1	461.8
45°	1679.7	707.8	445.0	455.0	472.5	424.8	421.4	432.9	442.9	442.3	439.6
47.5°	1673.0	669.5	434.9	430.2	433.5	402.6	395.9	401.3	414.0	422.1	421.4
50°	1646.8	639.9	420.1	404.6	383.1	383.1	379.8	379.8	395.2	411.4	412.7
52.5°	1600.4	604.9	398.6	380.4	355.6	366.3	367.7	365.0	381.1	398.6	399.9
55°	1549.3	578.7	369.7	358.3	332.7	350.9	356.9	354.2	365.0	377.1	376.4
57.5°	1550.0	578.0	344.8	336.1	311.2	331.4	346.2	346.8	346.2	354.9	354.9
60°	1589.0	591.5	325.3	306.5	286.3	310.5	334.7	334.7	330.0	342.8	344.1
62.5°	1600.4	590.1	313.2	278.3	264.2	291.7	317.9	322.0	318.6	336.7	338.8
65°	1499.6	558.6	301.1	252.7	244.0	270.9	297.1	308.5	305.2	328.7	331.4
67.5°	1359.7	517.6	282.3	229.9	223.2	250.7	275.6	287.7	287.0	317.9	319.3
70°	1172.2	467.1	258.8	206.3	203.0	227.2	249.4	262.1	268.2	303.8	303.1
72.5°	908.1	400.6	223.2	181.5	180.8	203.0	222.5	236.6	248.0	282.3	282.3
75°	585.4	315.2	182.2	157.3	154.6	175.4	195.6	211.7	246.7	301.1	300.4
77.5°	357.6	240.6	146.5	131.1	130.4	149.2	169.4	196.9	269.5	268.2	260.8
80°	214.4	172.7	117.0	104.9	104.9	122.3	144.5	211.1	223.8	255.4	241.3
82.5°	111.6	106.2	87.4	77.3	80.7	96.1	131.7	168.7	182.8	155.3	142.5
85°	45.7	56.5	53.8	49.1	51.1	66.5	127.0	135.1	108.2	113.6	114.3
87.5°	15.5	24.9	24.9	19.5	21.5	47.1	75.3	45.0	54.4	32.3	24.2
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)