

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: P674643

Luminaire Tested: **CCP-SA-2C-850-U-T2R-HSS**

Issue Date: 04/16/2023

Test Information

Test Method: LM-79-08
Report Number: P674643
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2C-850-U-T2R-HSS
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @615mA w/ T2R
distribution lens and House Side Shield
Light Source: (32) 5000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

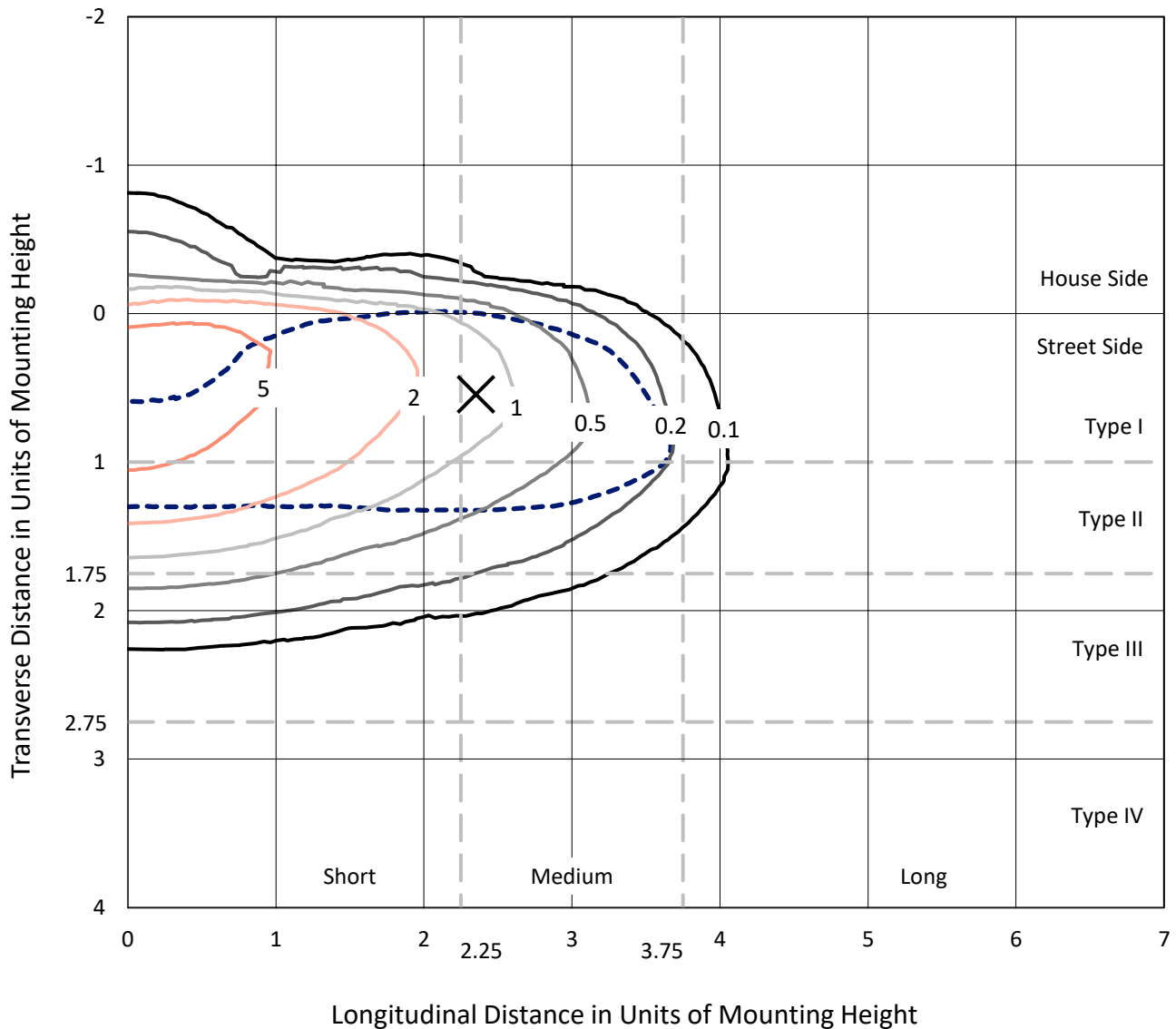
Lumens per Lamp: N/A
Luminaire Lumens: 6388.3 lumens
Efficiency: N/A
Efficacy: 102.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G1

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

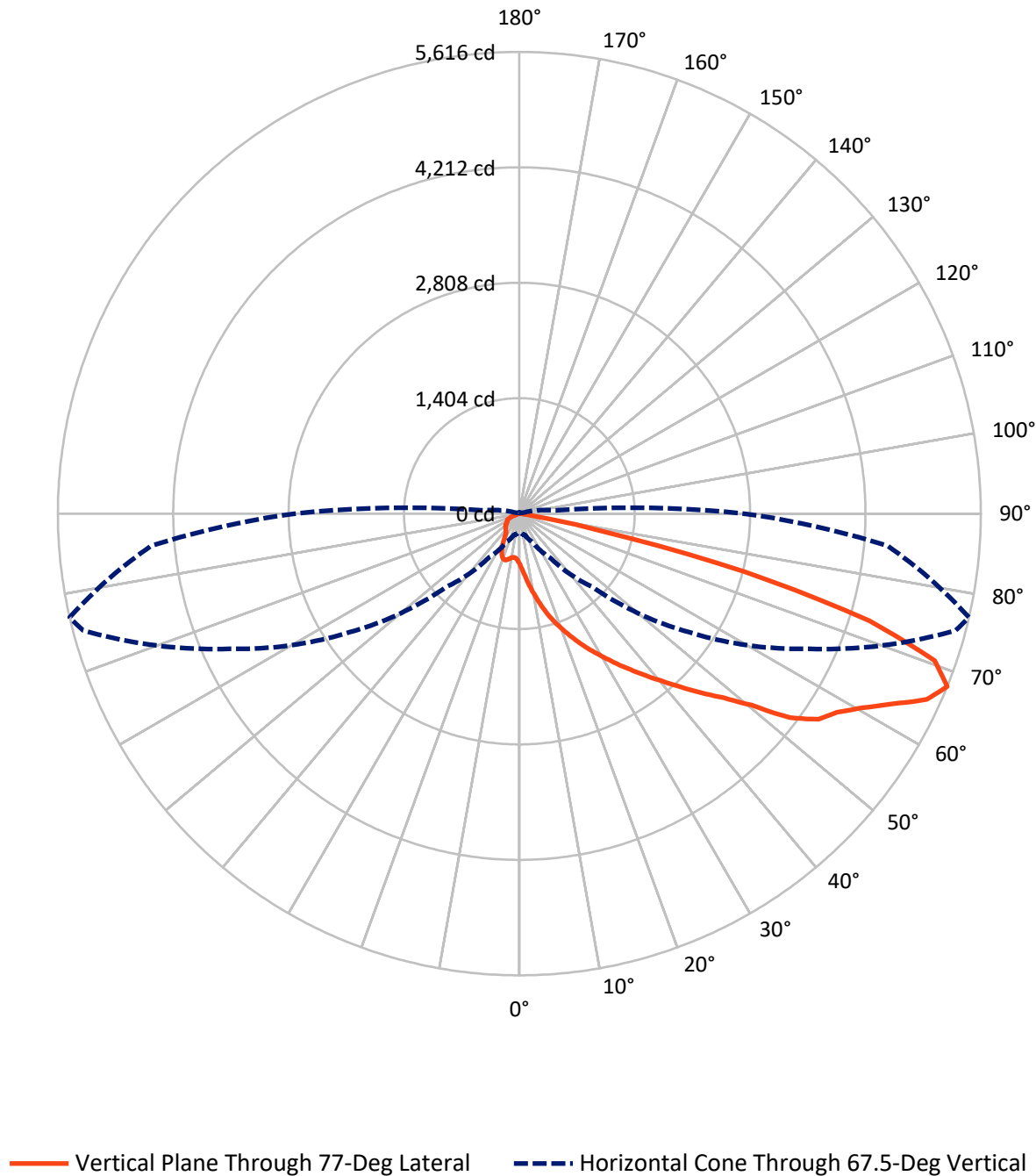
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 7.9 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



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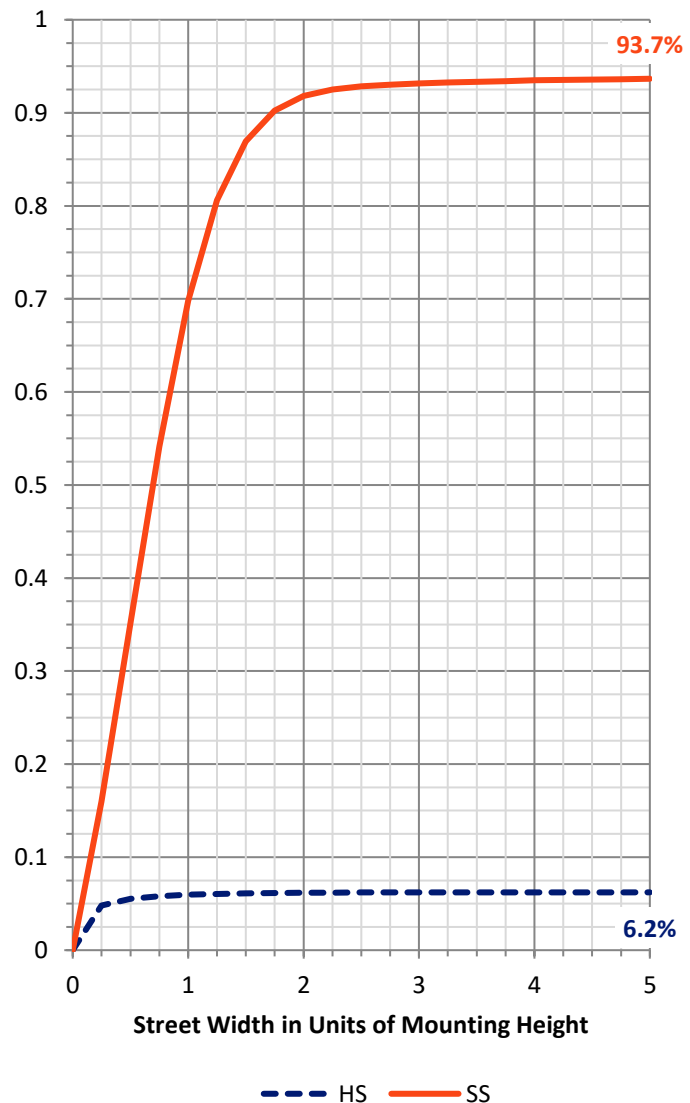
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	399.2	0.0	399.2
	% Fixture	6.2	0.0	6.2
Street Side	Lumens	5989.1	0.0	5989.1
	% Fixture	93.8	0.0	93.8
Total	Lumens	6388.3	0.0	6388.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	71.9	1.1
10°-20°	265.9	4.2
20°-30°	519.5	8.1
30°-40°	908.3	14.2
40°-50°	1324.7	20.7
50°-60°	1549.0	24.2
60°-70°	1255.7	19.7
70°-80°	471.7	7.4
80°-90°	21.5	0.3
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°	6388.3	100.0
0°-180°	6388.3	100.0

Coefficient of Utilization



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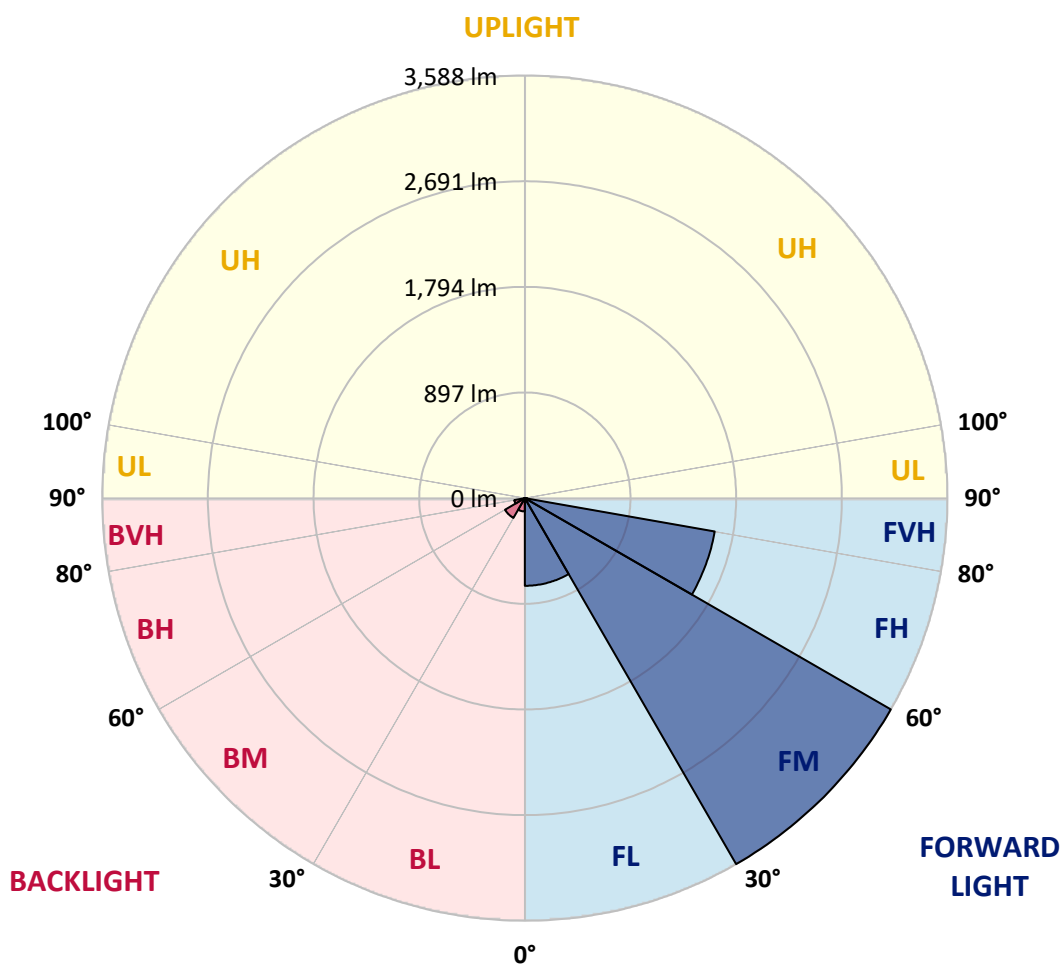
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	744.2	11.6			
FM	(30°-60°)	3587.8	56.2			
FH	(60°-80°)	1636.9	25.6			G1/1800
FVH	(80°-90°)	20.2	0.3			G1/100
BL	(0°-30°)	113.2	1.8	B1/500		
BM	(30°-60°)	194.2	3.0	B0/220		
BH	(60°-80°)	90.5	1.4	B0/110		G0/110
BVH	(80°-90°)	1.2	0.0			G0/10
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 Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	611.9	611.9	611.9	611.9	611.9	611.9	611.9	611.9	611.9	611.9	611.9
2.5°	918.7	885.2	891.6	877.7	859.9	818.3	774.5	730.7	691.5	682.8	643.6
5°	1176.5	1166.1	1155.1	1145.9	1108.4	1056.5	977.5	877.2	786.6	771.0	689.7
7.5°	1376.6	1361.0	1370.8	1342.5	1303.3	1253.2	1152.8	1045.5	906.0	882.9	756.6
10°	1524.2	1515.6	1520.2	1506.9	1487.9	1437.7	1338.5	1204.1	1042.7	998.8	831.6
12.5°	1634.9	1636.7	1656.8	1658.0	1642.4	1601.5	1496.5	1356.4	1166.7	1127.4	914.6
15°	1715.7	1717.4	1742.2	1768.7	1786.6	1765.3	1670.1	1513.3	1312.6	1258.9	1001.7
17.5°	1728.9	1730.1	1773.9	1827.5	1882.9	1901.4	1828.1	1669.0	1445.8	1384.6	1101.5
20°	1737.6	1747.4	1786.6	1848.3	1936.0	1993.1	1953.3	1818.3	1575.0	1504.0	1199.5
22.5°	1842.5	1842.5	1865.6	1909.4	1979.2	2068.6	2060.5	1955.6	1700.7	1630.3	1297.0
25°	2065.1	2065.1	2042.7	2031.1	2068.6	2139.0	2159.2	2102.1	1844.3	1761.2	1399.6
27.5°	2359.8	2359.8	2324.7	2239.9	2207.6	2237.0	2258.3	2229.5	1976.9	1895.0	1508.1
30°	2665.5	2675.9	2614.7	2506.9	2393.9	2371.4	2350.6	2344.3	2118.2	2025.9	1618.2
32.5°	2972.3	2971.1	2895.0	2760.6	2613.0	2533.4	2466.0	2458.5	2268.1	2177.6	1722.6
35°	3217.4	3218.0	3137.8	3000.0	2829.3	2727.8	2619.4	2584.2	2432.5	2331.6	1847.2
37.5°	3429.6	3417.5	3331.0	3200.1	3040.9	2936.0	2801.0	2709.3	2602.6	2500.0	1971.7
40°	3551.3	3535.1	3450.9	3326.4	3205.9	3125.7	3006.9	2860.4	2789.5	2678.8	2113.6
42.5°	3569.2	3555.3	3499.4	3424.4	3325.8	3255.4	3223.7	3031.1	2985.6	2885.2	2283.1
45°	3519.0	3496.5	3478.1	3438.8	3411.2	3377.1	3420.4	3212.8	3210.5	3110.7	2451.0
47.5°	3394.4	3363.9	3368.5	3411.7	3442.9	3473.4	3608.4	3450.9	3437.1	3343.7	2671.3
50°	3181.6	3166.6	3217.4	3302.7	3426.2	3548.4	3795.8	3694.3	3749.1	3661.4	2975.2
52.5°	2749.1	2767.6	2919.2	3124.5	3337.9	3583.6	3971.7	4057.6	4197.8	4125.7	3280.8
55°	2230.1	2223.2	2425.6	2790.1	3130.9	3561.1	4048.4	4271.6	4491.9	4416.3	3450.9
57.5°	1796.4	1808.5	1945.2	2305.6	2779.7	3387.5	4066.3	4383.5	4610.1	4559.9	3608.4
60°	1348.3	1359.8	1484.4	1798.1	2312.6	3025.3	3918.6	4422.7	4832.1	4794.1	3859.8
62.5°	858.1	873.1	998.3	1303.3	1767.6	2462.5	3587.0	4381.7	5064.0	5095.7	4203.0
65°	422.1	435.4	527.7	761.2	1181.7	1841.4	3124.5	4225.5	5359.2	5449.8	4478.0
67.5°	233.6	239.9	271.6	387.5	659.2	1263.0	2510.9	3891.5	5494.8	5615.9	4496.5
70°	181.7	183.4	195.5	226.1	321.2	741.1	1786.0	3335.6	5213.9	5360.4	4122.2
72.5°	152.8	155.1	160.9	171.3	200.7	385.8	1122.3	2577.8	4386.9	4453.2	3189.1
75°	111.9	115.3	131.5	140.7	158.6	234.1	494.8	1549.0	2899.1	2833.9	1784.3
77.5°	94.0	96.9	100.9	114.2	130.9	159.7	173.6	649.4	1179.9	1025.9	468.3
80°	64.0	67.5	78.4	85.4	110.7	105.5	72.1	174.2	237.0	193.2	90.0
82.5°	45.6	48.4	54.2	69.8	80.2	55.9	39.2	53.1	57.1	54.2	29.4
85°	14.4	18.5	39.2	57.7	43.3	19.0	24.8	20.2	17.9	17.3	11.5
87.5°	2.9	2.9	19.6	23.1	17.3	9.8	8.7	6.3	8.1	8.1	6.3
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°	611.9	611.9	611.9	611.9	611.9	611.9	611.9	611.9	611.9	611.9	611.9
2.5°	625.1	599.2	561.7	526.5	490.8	465.4	447.5	429.6	422.7	419.8	412.3
5°	652.8	603.2	528.8	468.9	425.0	397.3	380.6	366.2	357.0	354.1	350.1
7.5°	692.6	621.1	514.4	445.2	401.4	371.4	344.3	313.1	288.3	278.5	274.5
10°	735.9	648.2	516.7	440.6	382.3	316.6	256.1	205.9	184.0	175.9	170.1
12.5°	799.3	678.2	526.5	435.4	325.3	226.1	163.8	143.0	137.8	136.7	135.5
15°	862.7	720.3	542.7	400.8	242.8	154.0	136.1	128.6	125.7	122.8	122.8
17.5°	926.8	760.7	549.0	333.3	167.8	133.2	124.0	117.6	113.0	110.7	109.0
20°	998.8	803.3	530.6	250.9	134.4	121.7	111.3	103.8	99.8	97.5	95.7
22.5°	1076.7	845.4	490.2	174.7	122.3	109.6	99.8	92.3	88.2	85.9	85.4
25°	1149.9	881.8	425.6	131.5	110.1	98.0	88.8	82.5	79.6	77.3	76.7
27.5°	1225.5	912.9	341.4	115.9	100.3	88.8	79.6	74.4	71.5	69.8	69.2
30°	1299.3	934.2	254.3	106.1	91.7	80.2	72.1	68.1	65.2	63.4	62.9
32.5°	1375.4	946.4	171.9	97.5	83.0	72.7	65.7	61.7	60.0	58.2	58.2
35°	1448.7	944.6	124.0	89.4	76.1	65.7	59.4	56.5	55.9	54.2	54.2
37.5°	1528.8	932.5	105.5	81.9	68.6	59.4	54.2	52.5	51.9	50.7	50.2
40°	1619.9	905.4	96.3	76.1	62.3	54.2	49.6	48.4	47.9	46.7	46.7
42.5°	1719.7	870.2	91.1	69.8	57.1	49.0	45.6	43.8	43.3	42.1	42.1
45°	1835.6	836.8	87.7	63.4	52.5	45.0	41.5	39.8	39.2	38.1	38.1
47.5°	1993.6	817.8	81.9	57.7	47.3	40.9	37.5	36.3	35.2	34.0	34.0
50°	2211.1	795.3	74.4	51.9	43.3	36.9	34.6	32.9	32.3	31.1	31.1
52.5°	2389.8	747.4	66.9	46.1	38.6	34.0	31.7	30.6	29.4	28.8	28.8
55°	2452.7	691.5	59.4	41.5	35.2	31.7	29.4	28.3	27.7	27.1	27.1
57.5°	2553.0	673.6	52.5	36.9	31.7	29.4	27.1	26.5	26.0	25.4	24.8
60°	2724.3	684.0	46.1	32.9	28.8	26.5	24.8	24.2	23.1	21.9	21.9
62.5°	2890.4	671.3	39.2	28.8	24.8	23.6	21.9	20.8	18.5	16.7	15.6
65°	2930.8	586.5	34.0	24.2	20.8	19.6	17.9	15.6	12.1	9.8	9.8
67.5°	2735.3	445.8	29.4	20.8	17.3	16.1	12.7	10.4	7.5	5.8	5.8
70°	2257.2	282.6	24.2	16.1	14.4	11.0	8.1	7.5	5.2	4.6	4.0
72.5°	1628.6	154.6	20.2	13.3	10.4	6.9	5.8	4.6	3.5	2.3	2.3
75°	824.7	72.7	15.0	10.4	6.9	4.6	3.5	2.3	2.3	1.7	1.7
77.5°	233.6	33.4	9.8	6.9	4.6	2.9	2.3	1.7	1.7	1.2	1.2
80°	46.1	16.7	6.3	4.6	3.5	2.3	1.7	1.2	1.2	0.6	0.6
82.5°	16.7	8.7	4.6	3.5	2.9	2.3	1.2	0.6	0.6	0.0	0.0
85°	8.7	4.6	3.5	2.9	2.3	1.7	1.2	0.6	0.0	0.0	0.0
87.5°	4.6	3.5	2.9	2.9	2.3	1.7	1.2	0.6	0.0	0.0	0.0
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)