

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: P674554

Luminaire Tested: **CCP-SA-2B-735-U-T2R-HSS**

Issue Date: 04/16/2023

Test Information

Test Method: LM-79-08
Report Number: P674554
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2B-735-U-T2R-HSS
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @450mA w/ T2R
distribution lens and House Side Shield
Light Source: (32) 3500K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5515.4 lumens
Efficiency: N/A
Efficacy: 119.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B0 - U0 - G1

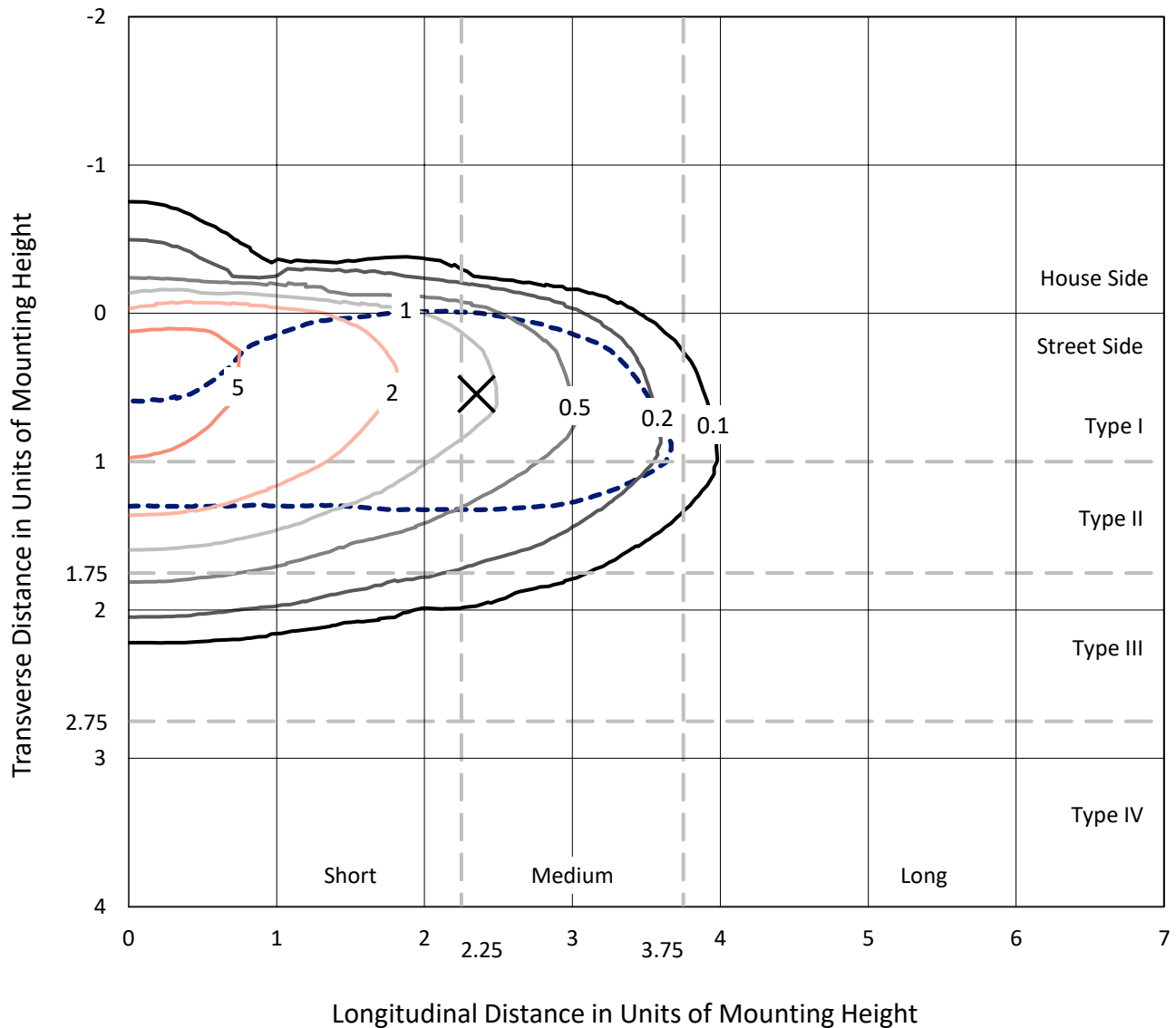
Input Watts (W): 46
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Iso-Footcandle Lines of Horizontal Illumination

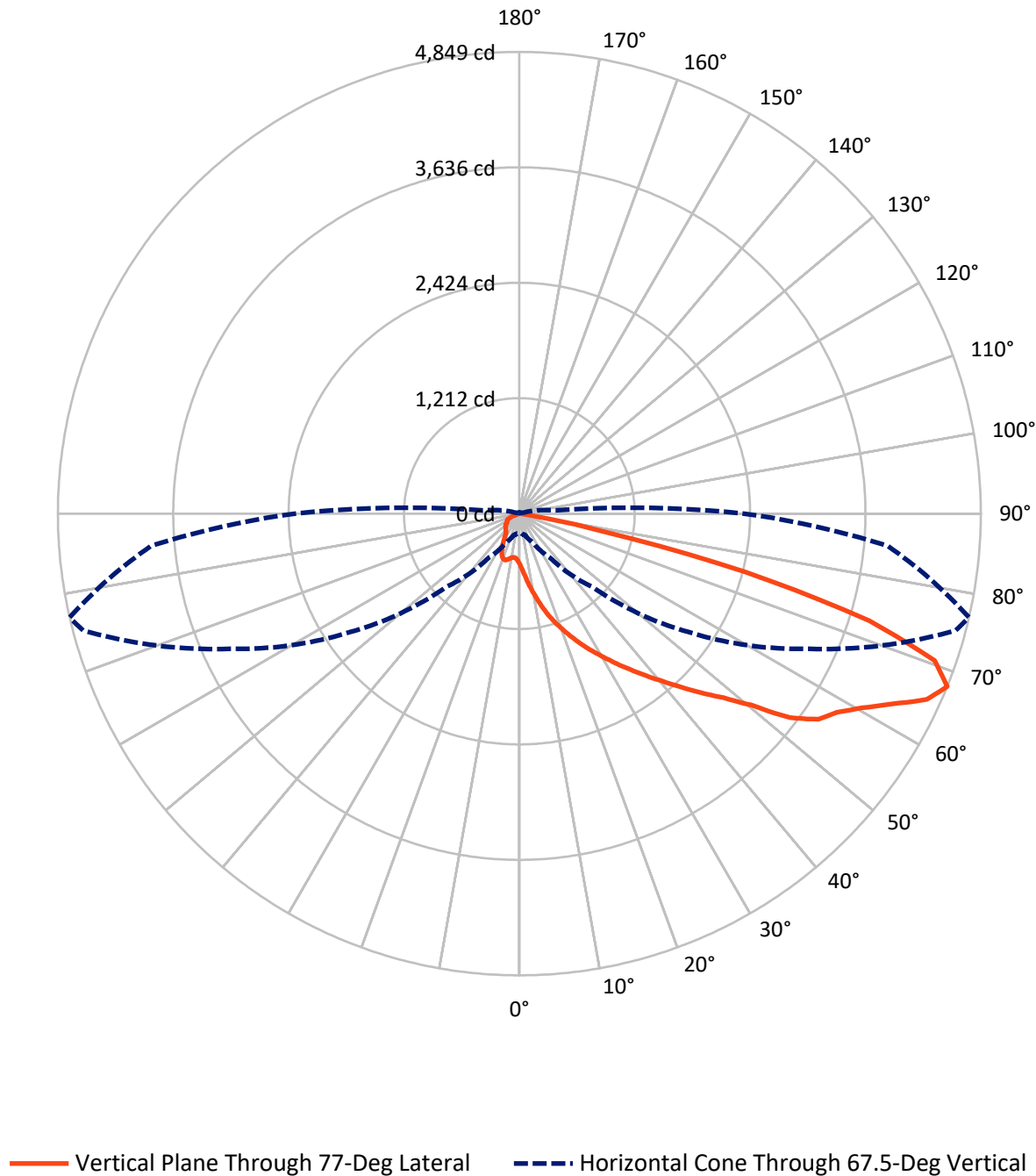
× Max cd
- - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 6.8 fc
Type II - Medium - N/A

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Luminous Intensity Polar Plot



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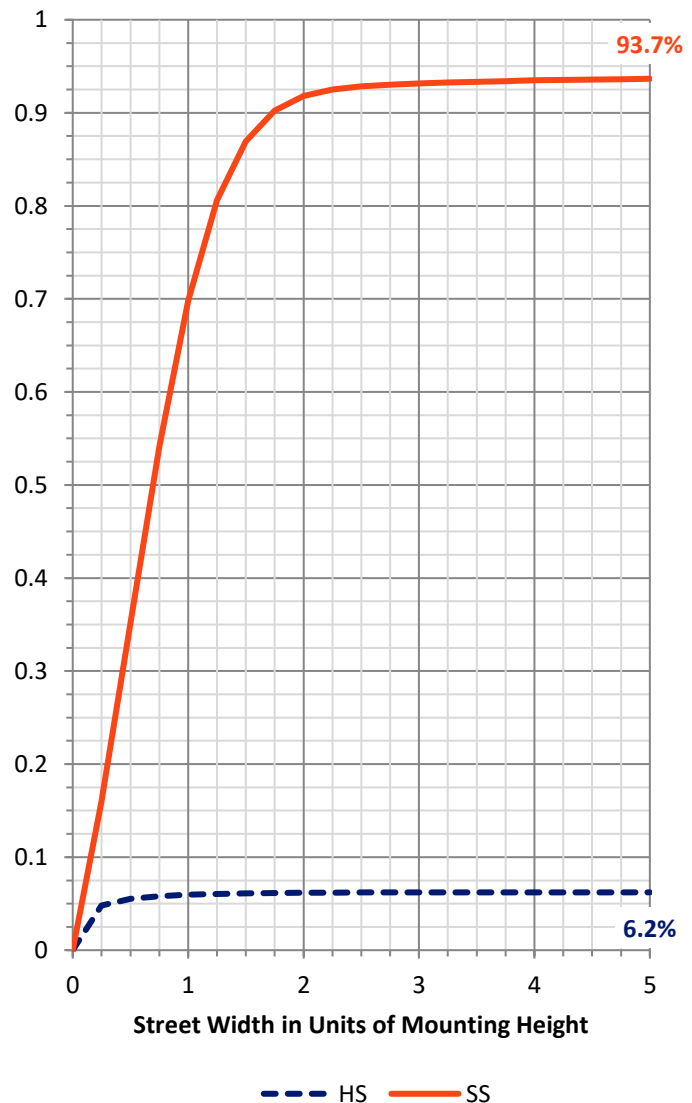
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	344.7	0.0	344.7
	% Fixture	6.2	0.0	6.2
Street Side	Lumens	5170.7	0.0	5170.7
	% Fixture	93.8	0.0	93.8
Total	Lumens	5515.4	0.0	5515.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	62.1	1.1
10°-20°	229.6	4.2
20°-30°	448.5	8.1
30°-40°	784.2	14.2
40°-50°	1143.7	20.7
50°-60°	1337.4	24.2
60°-70°	1084.1	19.7
70°-80°	407.3	7.4
80°-90°	18.5	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°	5515.4	100.0
0°-180°	5515.4	100.0

Coefficient of Utilization



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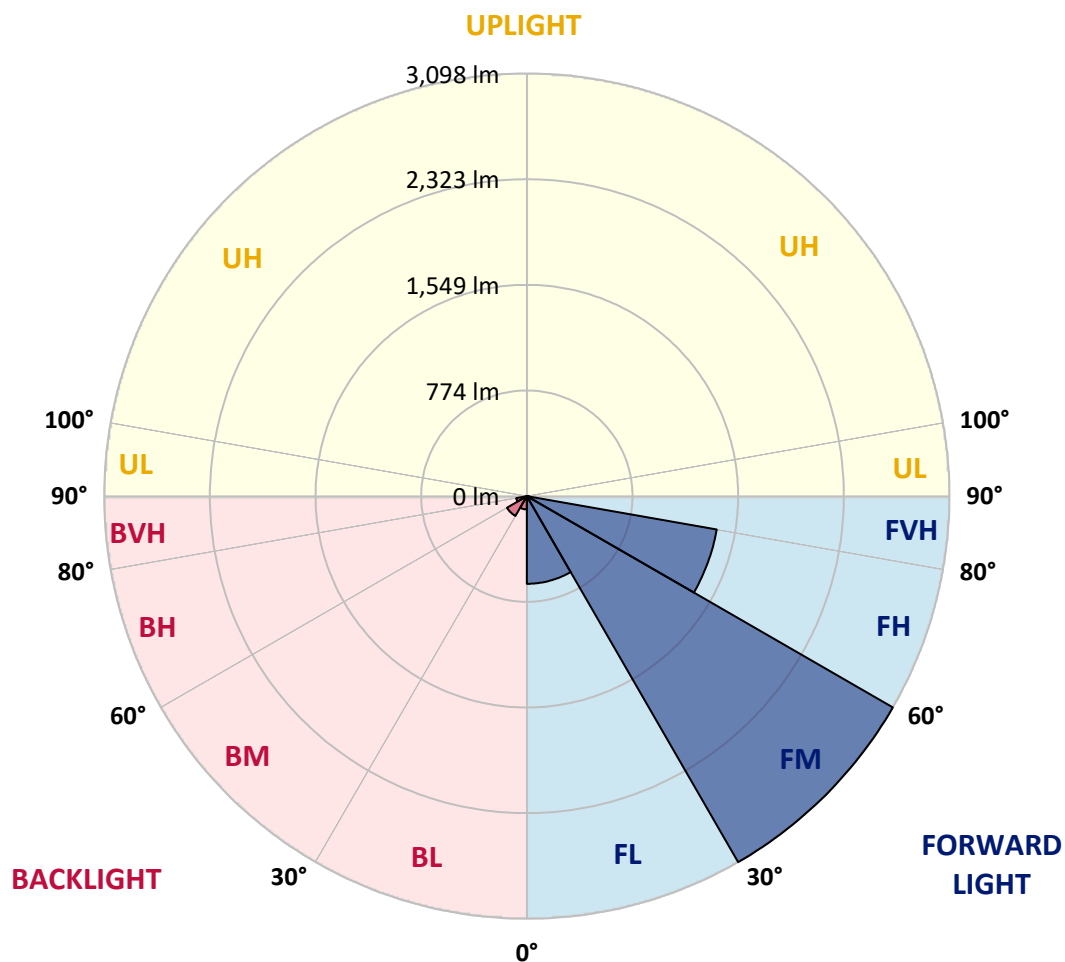
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	642.5	11.6			
FM	(30°-60°)	3097.6	56.2			
FH	(60°-80°)	1413.2	25.6			G1/1800
FVH	(80°-90°)	17.4	0.3			G1/100
BL	(0°-30°)	97.7	1.8	B0/110		
BM	(30°-60°)	167.7	3.0	B0/220		
BH	(60°-80°)	78.2	1.4	B0/110		G0/110
BVH	(80°-90°)	1.1	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G1

Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	528.3	528.3	528.3	528.3	528.3	528.3	528.3	528.3	528.3	528.3	528.3
2.5°	793.1	764.3	769.7	757.8	742.4	706.5	668.7	630.8	597.0	589.5	555.7
5°	1015.7	1006.7	997.3	989.3	957.0	912.1	843.9	757.3	679.1	665.7	595.5
7.5°	1188.5	1175.0	1183.5	1159.1	1125.2	1081.9	995.3	902.7	782.2	762.3	653.2
10°	1315.9	1308.5	1312.5	1301.0	1284.6	1241.3	1155.6	1039.6	900.2	862.4	718.0
12.5°	1411.5	1413.0	1430.5	1431.5	1418.0	1382.7	1292.0	1171.1	1007.2	973.4	789.7
15°	1481.2	1482.7	1504.1	1527.0	1542.5	1524.1	1441.9	1306.5	1133.2	1086.9	864.8
17.5°	1492.7	1493.7	1531.5	1577.8	1625.6	1641.6	1578.3	1440.9	1248.2	1195.4	951.0
20°	1500.2	1508.6	1542.5	1595.8	1671.4	1720.7	1686.4	1569.9	1359.8	1298.5	1035.6
22.5°	1590.8	1590.8	1610.7	1648.5	1708.8	1786.0	1779.0	1688.4	1468.3	1407.6	1119.8
25°	1783.0	1783.0	1763.5	1753.6	1786.0	1846.7	1864.1	1814.8	1592.3	1520.6	1208.4
27.5°	2037.4	2037.4	2007.0	1933.8	1905.9	1931.3	1949.8	1924.9	1706.8	1636.1	1302.0
30°	2301.3	2310.2	2257.5	2164.4	2066.8	2047.3	2029.4	2023.9	1828.8	1749.1	1397.1
32.5°	2566.2	2565.2	2499.4	2383.4	2256.0	2187.3	2129.0	2122.5	1958.2	1880.1	1487.2
35°	2777.8	2778.3	2709.1	2590.1	2442.7	2355.0	2261.4	2231.1	2100.1	2013.0	1594.8
37.5°	2961.0	2950.5	2875.8	2762.8	2625.4	2534.8	2418.3	2339.1	2247.0	2158.4	1702.3
40°	3066.0	3052.1	2979.4	2871.9	2767.8	2698.6	2596.0	2469.6	2408.3	2312.7	1824.8
42.5°	3081.5	3069.5	3021.2	2956.5	2871.4	2810.6	2783.2	2616.9	2577.6	2491.0	1971.2
45°	3038.2	3018.7	3002.8	2969.0	2945.1	2915.7	2953.0	2773.8	2771.8	2685.7	2116.1
47.5°	2930.6	2904.2	2908.2	2945.6	2972.4	2998.8	3115.3	2979.4	2967.5	2886.8	2306.3
50°	2746.9	2733.9	2777.8	2851.5	2958.0	3063.6	3277.2	3189.5	3236.8	3161.1	2568.6
52.5°	2373.5	2389.4	2520.3	2697.6	2881.8	3093.9	3429.0	3503.2	3624.2	3561.9	2832.5
55°	1925.4	1919.4	2094.2	2408.8	2703.1	3074.5	3495.2	3687.9	3878.1	3812.9	2979.4
57.5°	1550.9	1561.4	1679.4	1990.6	2399.9	2924.6	3510.7	3784.5	3980.2	3936.9	3115.3
60°	1164.1	1174.0	1281.6	1552.4	1996.6	2612.0	3383.2	3818.4	4171.9	4139.0	3332.4
62.5°	740.9	753.8	861.9	1125.2	1526.1	2126.0	3096.9	3783.0	4372.0	4399.4	3628.7
65°	364.5	375.9	455.6	657.2	1020.2	1589.8	2697.6	3648.1	4626.9	4705.1	3866.2
67.5°	201.6	207.1	234.5	334.6	569.1	1090.4	2167.8	3359.8	4744.0	4848.5	3882.1
70°	156.8	158.3	168.8	195.2	277.3	639.8	1542.0	2879.8	4501.5	4627.9	3559.0
72.5°	131.9	133.9	138.9	147.9	173.3	333.1	968.9	2225.6	3787.5	3844.8	2753.4
75°	96.6	99.6	113.5	121.5	136.9	202.1	427.2	1337.3	2502.9	2446.7	1540.5
77.5°	81.2	83.6	87.1	98.6	113.0	137.9	149.9	560.6	1018.7	885.8	404.3
80°	55.3	58.3	67.7	73.7	95.6	91.1	62.2	150.4	204.6	166.8	77.7
82.5°	39.3	41.8	46.8	60.2	69.2	48.3	33.9	45.8	49.3	46.8	25.4
85°	12.4	15.9	33.9	49.8	37.3	16.4	21.4	17.4	15.4	14.9	10.0
87.5°	2.5	2.5	16.9	19.9	14.9	8.5	7.5	5.5	7.0	7.0	5.5
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°	528.3	528.3	528.3	528.3	528.3	528.3	528.3	528.3	528.3	528.3	528.3
2.5°	539.7	517.3	485.0	454.6	423.7	401.8	386.4	370.9	365.0	362.5	356.0
5°	563.6	520.8	456.6	404.8	366.9	343.1	328.6	316.2	308.2	305.7	302.2
7.5°	598.0	536.2	444.1	384.4	346.5	320.6	297.2	270.4	248.9	240.5	237.0
10°	635.3	559.6	446.1	380.4	330.1	273.3	221.1	177.7	158.8	151.9	146.9
12.5°	690.1	585.5	454.6	375.9	280.8	195.2	141.4	123.5	119.0	118.0	117.0
15°	744.9	621.9	468.5	346.0	209.6	132.9	117.5	111.0	108.5	106.1	106.1
17.5°	800.1	656.7	474.0	287.8	144.9	115.0	107.0	101.6	97.6	95.6	94.1
20°	862.4	693.6	458.1	216.6	116.0	105.1	96.1	89.6	86.1	84.1	82.7
22.5°	929.6	729.9	423.2	150.9	105.6	94.6	86.1	79.7	76.2	74.2	73.7
25°	992.8	761.3	367.4	113.5	95.1	84.6	76.7	71.2	68.7	66.7	66.2
27.5°	1058.0	788.2	294.8	100.1	86.6	76.7	68.7	64.2	61.7	60.2	59.7
30°	1121.8	806.6	219.6	91.6	79.2	69.2	62.2	58.8	56.3	54.8	54.3
32.5°	1187.5	817.0	148.4	84.1	71.7	62.7	56.8	53.3	51.8	50.3	50.3
35°	1250.7	815.6	107.0	77.2	65.7	56.8	51.3	48.8	48.3	46.8	46.8
37.5°	1319.9	805.1	91.1	70.7	59.2	51.3	46.8	45.3	44.8	43.8	43.3
40°	1398.6	781.7	83.1	65.7	53.8	46.8	42.8	41.8	41.3	40.3	40.3
42.5°	1484.7	751.3	78.7	60.2	49.3	42.3	39.3	37.8	37.3	36.3	36.3
45°	1584.8	722.4	75.7	54.8	45.3	38.8	35.8	34.4	33.9	32.9	32.9
47.5°	1721.2	706.0	70.7	49.8	40.8	35.4	32.4	31.4	30.4	29.4	29.4
50°	1908.9	686.6	64.2	44.8	37.3	31.9	29.9	28.4	27.9	26.9	26.9
52.5°	2063.3	645.3	57.8	39.8	33.4	29.4	27.4	26.4	25.4	24.9	24.9
55°	2117.6	597.0	51.3	35.8	30.4	27.4	25.4	24.4	23.9	23.4	23.4
57.5°	2204.2	581.5	45.3	31.9	27.4	25.4	23.4	22.9	22.4	21.9	21.4
60°	2352.1	590.5	39.8	28.4	24.9	22.9	21.4	20.9	19.9	18.9	18.9
62.5°	2495.5	579.6	33.9	24.9	21.4	20.4	18.9	17.9	15.9	14.4	13.4
65°	2530.3	506.4	29.4	20.9	17.9	16.9	15.4	13.4	10.5	8.5	8.5
67.5°	2361.5	384.9	25.4	17.9	14.9	13.9	11.0	9.0	6.5	5.0	5.0
70°	1948.8	244.0	20.9	13.9	12.4	9.5	7.0	6.5	4.5	4.0	3.5
72.5°	1406.1	133.4	17.4	11.5	9.0	6.0	5.0	4.0	3.0	2.0	2.0
75°	712.0	62.7	12.9	9.0	6.0	4.0	3.0	2.0	2.0	1.5	1.5
77.5°	201.6	28.9	8.5	6.0	4.0	2.5	2.0	1.5	1.5	1.0	1.0
80°	39.8	14.4	5.5	4.0	3.0	2.0	1.5	1.0	1.0	0.5	0.5
82.5°	14.4	7.5	4.0	3.0	2.5	2.0	1.0	0.5	0.5	0.0	0.0
85°	7.5	4.0	3.0	2.5	2.0	1.5	1.0	0.5	0.0	0.0	0.0
87.5°	4.0	3.0	2.5	2.5	2.0	1.5	1.0	0.5	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)