

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: P672018

Luminaire Tested: **CCP-SA-2C-830-U-AFL**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P672018
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2C-830-U-AFL
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @615mA w/ AFL
distribution lens
Light Source: (32) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7250.1 lumens
Efficiency: N/A
Efficacy: 116.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

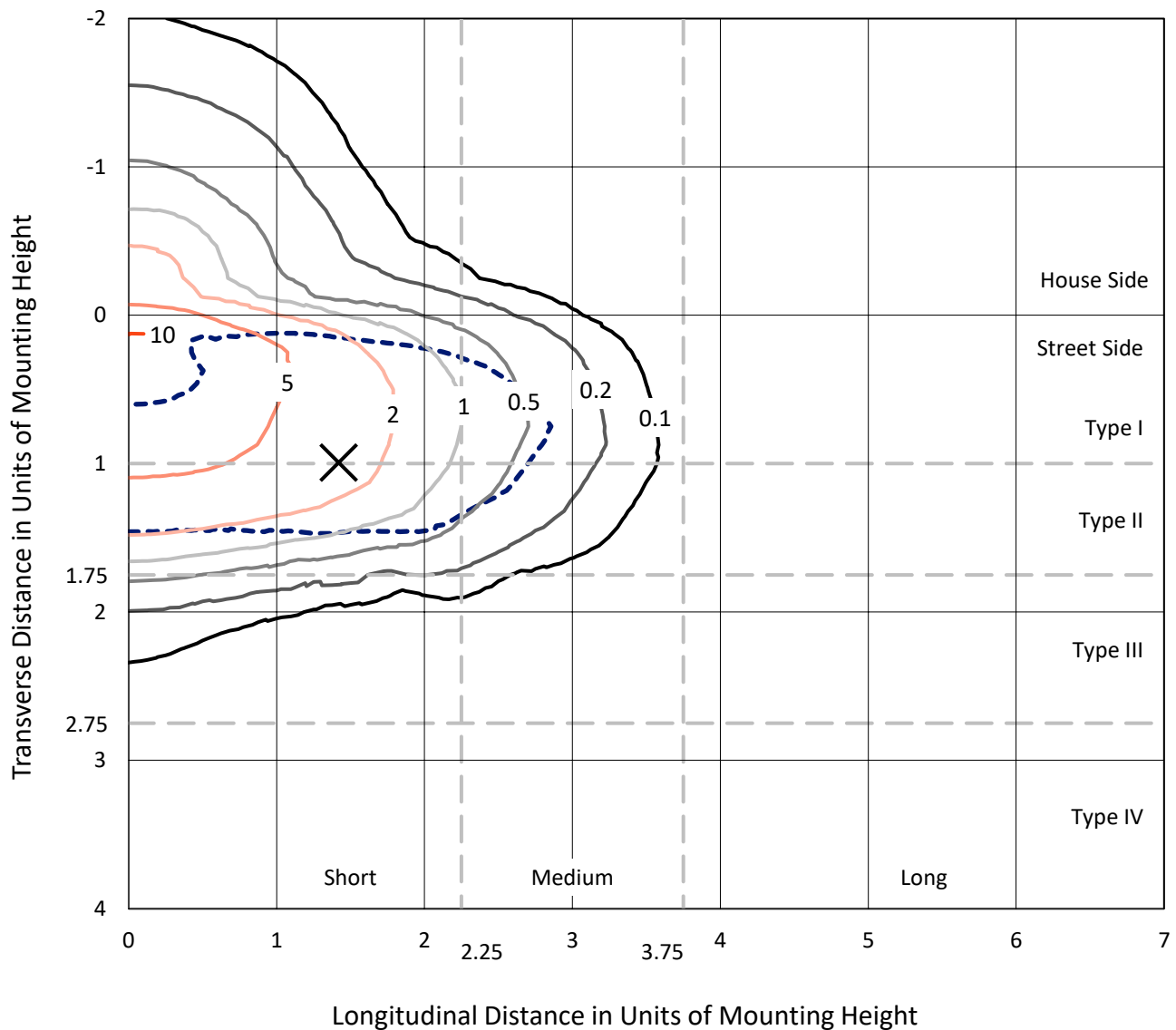
Input Watts (W): 62.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Iso-Footcandle Lines of Horizontal Illumination

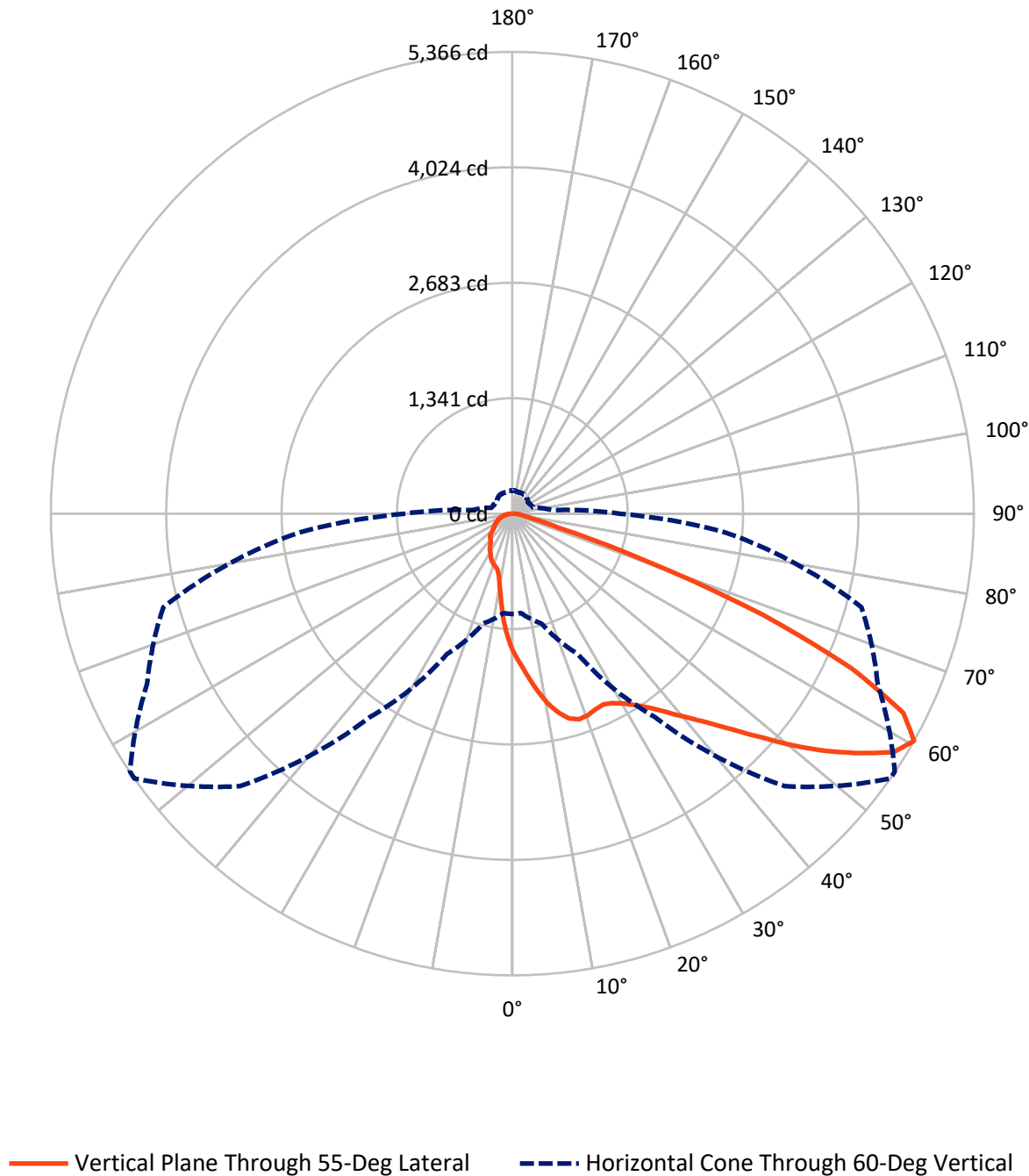
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 10.1 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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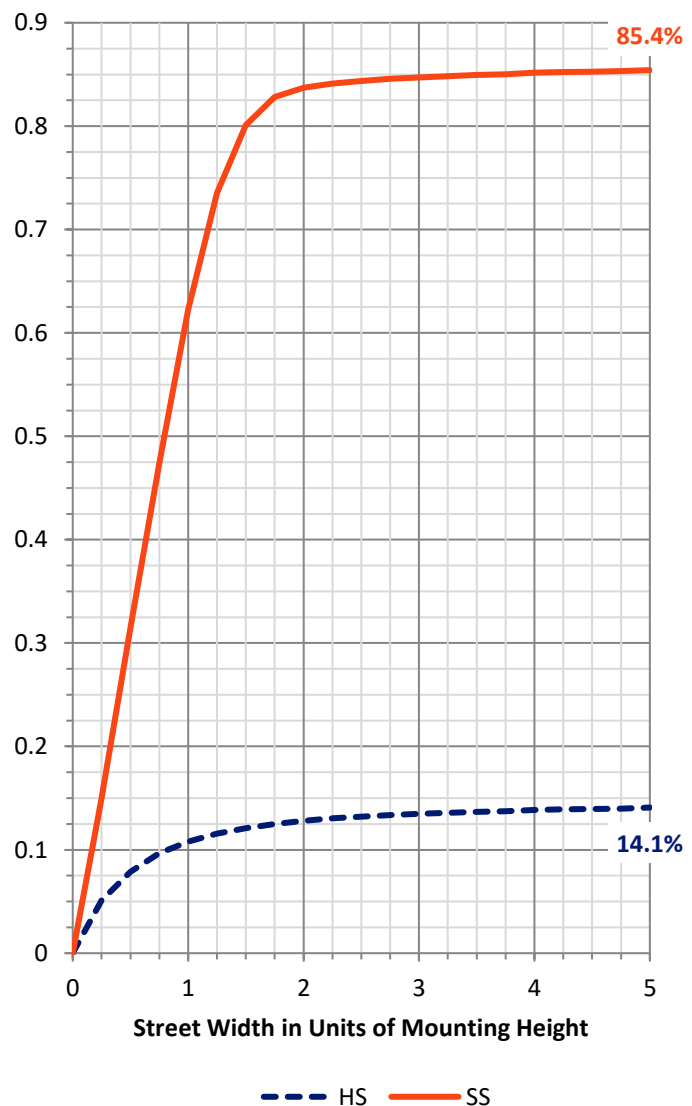
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1042.2	0.0	1042.2
	% Fixture	14.4	0.0	14.4
Street Side	Lumens	6207.9	0.0	6207.9
	% Fixture	85.6	0.0	85.6
Total	Lumens	7250.1	0.0	7250.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	150.5	2.1
10°-20°	426.3	5.9
20°-30°	694.1	9.6
30°-40°	1037.4	14.3
40°-50°	1524.8	21.0
50°-60°	1787.1	24.6
60°-70°	1178.4	16.3
70°-80°	375.2	5.2
80°-90°	76.3	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°	7250.1	100.0
0°-180°	7250.1	100.0

Coefficient of Utilization



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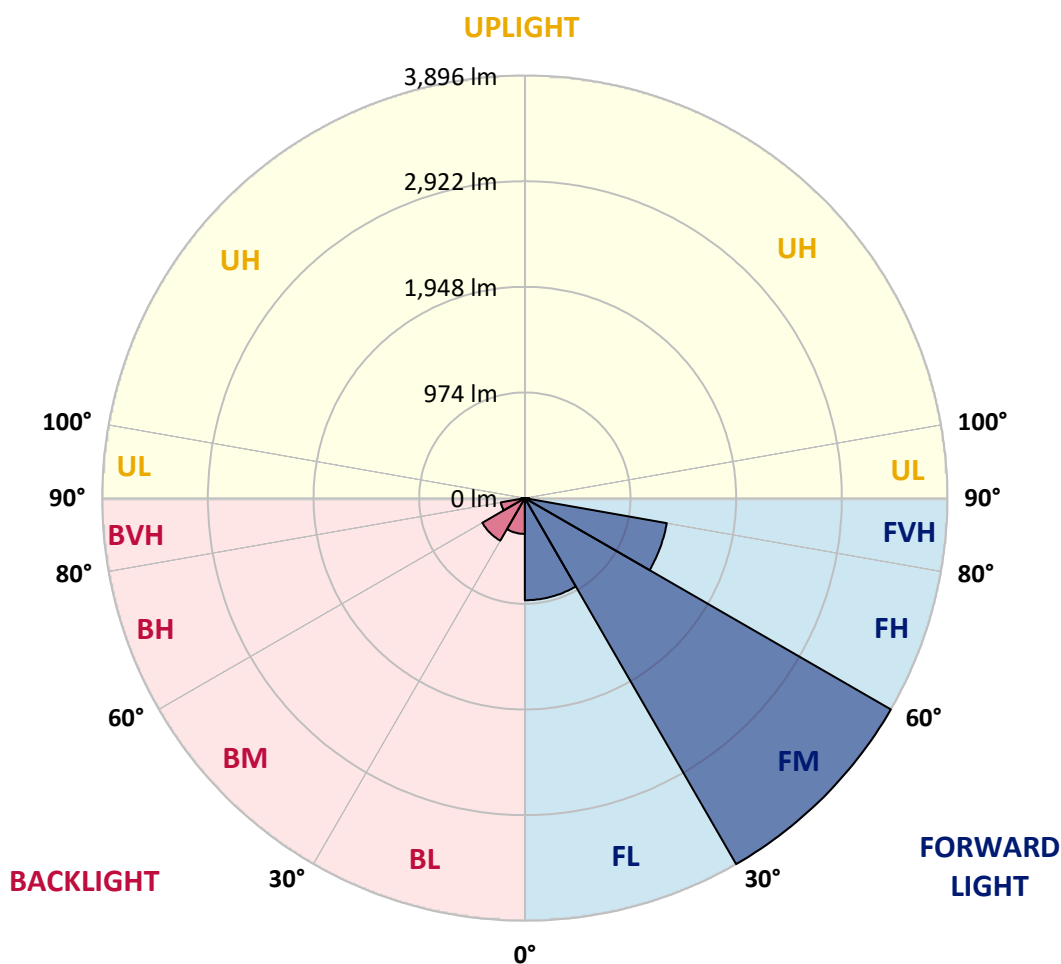
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	941.0	13.0			
FM	(30°-60°)	3896.4	53.7			
FH	(60°-80°)	1328.7	18.3			G1/1800
FVH	(80°-90°)	41.8	0.6			G1/100
BL	(0°-30°)	329.9	4.6	B1/500		
BM	(30°-60°)	453.0	6.2	B1/1000		
BH	(60°-80°)	224.9	3.1	B1/500		G1/500
BVH	(80°-90°)	34.4	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°	1607.9	1607.9	1607.9	1607.9	1607.9	1607.9	1607.9	1607.9	1607.9	1607.9	1607.9
2.5°	1871.2	1864.3	1864.3	1847.0	1821.3	1785.5	1743.0	1732.5	1716.2	1674.7	1621.1
5°	2156.5	2149.1	2139.2	2108.7	2060.9	1989.4	1899.6	1883.3	1824.9	1739.3	1642.6
7.5°	2345.1	2340.9	2337.8	2311.5	2264.2	2193.8	2073.5	2055.1	1956.3	1814.4	1663.1
10°	2325.7	2338.3	2360.4	2378.8	2388.2	2352.0	2239.0	2217.5	2095.0	1901.7	1693.6
12.5°	2143.4	2161.2	2202.2	2277.4	2364.1	2433.9	2369.8	2357.8	2243.2	1994.1	1731.9
15°	2007.8	2015.2	2035.1	2090.8	2220.1	2406.6	2471.3	2460.2	2381.4	2112.9	1776.1
17.5°	1965.8	1968.9	1973.6	1992.0	2080.3	2300.0	2512.8	2523.3	2515.4	2236.4	1826.0
20°	1986.8	1988.9	1989.4	1992.6	2034.6	2210.6	2501.7	2519.6	2633.1	2359.9	1875.4
22.5°	2067.7	2065.1	2061.4	2049.3	2073.0	2194.9	2472.3	2500.7	2724.0	2472.3	1921.1
25°	2209.0	2205.4	2179.6	2154.4	2164.4	2251.6	2456.5	2487.0	2794.9	2578.4	1954.7
27.5°	2377.2	2373.5	2347.2	2299.4	2288.9	2346.2	2493.3	2512.2	2847.0	2672.5	1969.4
30°	2551.7	2551.7	2519.1	2463.9	2430.3	2454.4	2561.1	2576.3	2886.4	2763.4	1978.9
32.5°	2741.9	2747.1	2696.7	2633.6	2596.3	2582.1	2656.2	2669.4	2943.6	2870.6	1998.9
35°	2986.2	2974.6	2913.2	2830.1	2770.2	2738.2	2773.9	2789.2	3027.7	3004.1	2030.9
37.5°	3261.0	3240.5	3164.9	3065.6	2961.0	2907.4	2931.0	2934.7	3152.3	3178.0	2089.2
40°	3488.0	3484.3	3420.2	3326.2	3194.3	3122.3	3110.7	3112.8	3325.1	3384.0	2177.5
42.5°	3679.3	3665.6	3654.1	3621.0	3481.2	3363.0	3315.7	3316.2	3512.7	3596.8	2266.3
45°	3763.9	3761.3	3795.4	3880.5	3780.2	3640.9	3573.7	3583.1	3727.6	3815.4	2352.0
47.5°	3727.6	3729.7	3821.2	4044.5	4103.9	3997.2	3877.9	3872.1	3935.7	3983.0	2427.6
50°	3404.0	3438.1	3685.6	4059.7	4316.2	4369.2	4234.7	4213.2	4118.1	4116.5	2473.9
52.5°	3159.6	3158.0	3309.9	3904.7	4391.3	4705.0	4584.1	4535.8	4268.9	4191.6	2477.6
55°	2829.6	2827.5	2940.5	3451.2	4242.1	4939.4	4913.6	4853.2	4407.1	4216.3	2452.3
57.5°	2142.8	2182.8	2295.2	2762.9	3769.1	4902.0	5228.4	5177.9	4542.1	4205.3	2447.6
60°	1166.0	1161.3	1324.2	1800.8	2885.8	4478.5	5365.5	5362.9	4685.6	4201.1	2476.5
62.5°	537.5	532.3	564.9	801.9	1654.7	3587.9	5100.7	5138.5	4818.5	4162.7	2473.9
65°	402.0	388.3	344.2	373.1	633.2	2141.8	4332.4	4433.3	4613.6	4005.1	2359.3
67.5°	358.4	345.2	293.7	275.3	317.9	755.6	3142.8	3235.8	3858.0	3709.8	2173.8
70°	328.4	316.9	265.4	236.5	238.6	334.7	1645.2	1828.1	2827.5	3096.0	1852.8
72.5°	299.5	289.5	242.8	208.1	200.7	221.2	560.7	676.3	1758.7	2256.3	1381.4
75°	269.0	259.6	218.6	186.5	172.4	163.9	266.9	287.4	930.1	1245.9	741.4
77.5°	233.8	228.6	194.9	164.5	152.4	124.0	177.6	186.5	398.3	489.2	353.1
80°	203.4	199.2	173.9	149.2	136.6	95.6	122.4	128.7	196.5	244.3	197.6
82.5°	132.4	142.9	144.0	128.2	120.3	76.7	80.9	85.7	130.3	144.0	86.2
85°	54.6	66.2	99.3	88.3	83.5	65.2	53.6	54.6	79.9	84.1	31.0
87.5°	24.7	27.3	48.9	49.4	43.1	24.7	26.8	29.4	41.0	40.5	13.7
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°	1607.9	1607.9	1607.9	1607.9	1607.9	1607.9	1607.9	1607.9	1607.9	1607.9	1607.9
2.5°	1606.3	1582.2	1539.1	1483.9	1444.5	1415.6	1384.1	1361.0	1335.2	1312.6	1316.3
5°	1602.7	1555.9	1459.2	1356.7	1256.9	1174.9	1106.6	1056.2	1004.2	983.7	981.0
7.5°	1605.8	1526.5	1367.8	1200.2	1048.3	943.7	864.4	816.6	786.6	769.3	770.3
10°	1604.8	1498.6	1269.0	1037.8	871.7	776.1	727.8	712.0	709.4	711.5	714.6
12.5°	1606.3	1460.8	1158.1	891.7	745.1	696.2	698.3	712.5	721.5	727.2	730.9
15°	1613.2	1429.8	1044.6	776.6	678.9	680.5	703.1	725.1	738.3	744.6	747.7
17.5°	1623.2	1390.9	943.7	689.4	651.0	675.2	704.6	728.3	738.3	742.0	744.6
20°	1624.2	1346.2	841.8	629.5	632.7	664.2	689.9	708.9	721.5	725.7	727.8
22.5°	1619.5	1285.8	737.2	585.9	611.6	643.2	665.2	686.8	670.0	656.3	652.6
25°	1599.5	1209.6	647.9	550.2	585.4	614.8	640.0	616.4	608.5	598.0	599.0
27.5°	1556.4	1114.5	563.8	516.5	554.4	596.4	578.0	574.9	564.9	554.4	554.4
30°	1499.7	1014.1	493.4	481.3	517.1	538.1	542.3	537.5	531.8	518.1	519.2
32.5°	1448.7	908.0	443.5	451.9	493.4	493.4	511.8	511.8	490.8	452.4	452.4
35°	1398.3	808.2	406.7	427.2	454.5	463.5	488.7	455.6	425.6	408.3	407.2
37.5°	1358.8	723.0	382.5	406.2	416.7	439.3	439.8	415.6	405.7	389.9	388.3
40°	1335.7	651.6	367.8	395.7	396.7	417.7	383.1	389.9	387.8	375.7	374.1
42.5°	1323.1	596.4	356.8	386.7	381.5	361.0	354.7	366.2	369.9	363.6	361.0
45°	1313.1	553.3	347.9	355.7	369.4	332.1	329.5	338.4	346.3	345.8	343.7
47.5°	1307.9	523.4	340.0	336.3	338.9	314.8	309.5	313.7	323.7	330.0	329.5
50°	1287.4	500.2	328.4	316.3	299.5	299.5	296.9	296.9	309.0	321.6	322.6
52.5°	1251.1	472.9	311.6	297.4	278.0	286.4	287.4	285.3	297.9	311.6	312.7
55°	1211.2	452.4	289.0	280.1	260.1	274.3	279.0	276.9	285.3	294.8	294.3
57.5°	1211.7	451.9	269.6	262.7	243.3	259.1	270.6	271.1	270.6	277.4	277.4
60°	1242.2	462.4	254.3	239.6	223.8	242.8	261.7	261.7	258.0	268.0	269.0
62.5°	1251.1	461.4	244.9	217.5	206.5	228.1	248.5	251.7	249.1	263.3	264.8
65°	1172.3	436.7	235.4	197.6	190.7	211.8	232.3	241.2	238.6	257.0	259.1
67.5°	1063.0	404.6	220.7	179.7	174.5	196.0	215.4	224.9	224.4	248.5	249.6
70°	916.4	365.2	202.3	161.3	158.7	177.6	194.9	204.9	209.7	237.5	237.0
72.5°	709.9	313.2	174.5	141.9	141.3	158.7	173.9	185.0	193.9	220.7	220.7
75°	457.7	246.4	142.4	123.0	120.9	137.1	152.9	165.5	192.8	235.4	234.9
77.5°	279.5	188.1	114.6	102.5	101.9	116.7	132.4	154.0	210.7	209.7	203.9
80°	167.6	135.0	91.4	82.0	82.0	95.6	113.0	165.0	175.0	199.7	188.6
82.5°	87.2	83.0	68.3	60.4	63.1	75.1	103.0	131.9	142.9	121.4	111.4
85°	35.7	44.1	42.0	38.4	39.9	52.0	99.3	105.6	84.6	88.8	89.3
87.5°	12.1	19.4	19.4	15.2	16.8	36.8	58.9	35.2	42.6	25.2	18.9
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)