

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: P672026

Luminaire Tested: **CCP-SA-1F-835-U-AFL**

Issue Date: 04/16/2023

Test Information

Test Method: LM-79-08
Report Number: P672026
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1F-835-U-AFL
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @1200mA w/ AFL
distribution lens
Light Source: (16) 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6234.6 lumens
Efficiency: N/A
Efficacy: 93.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

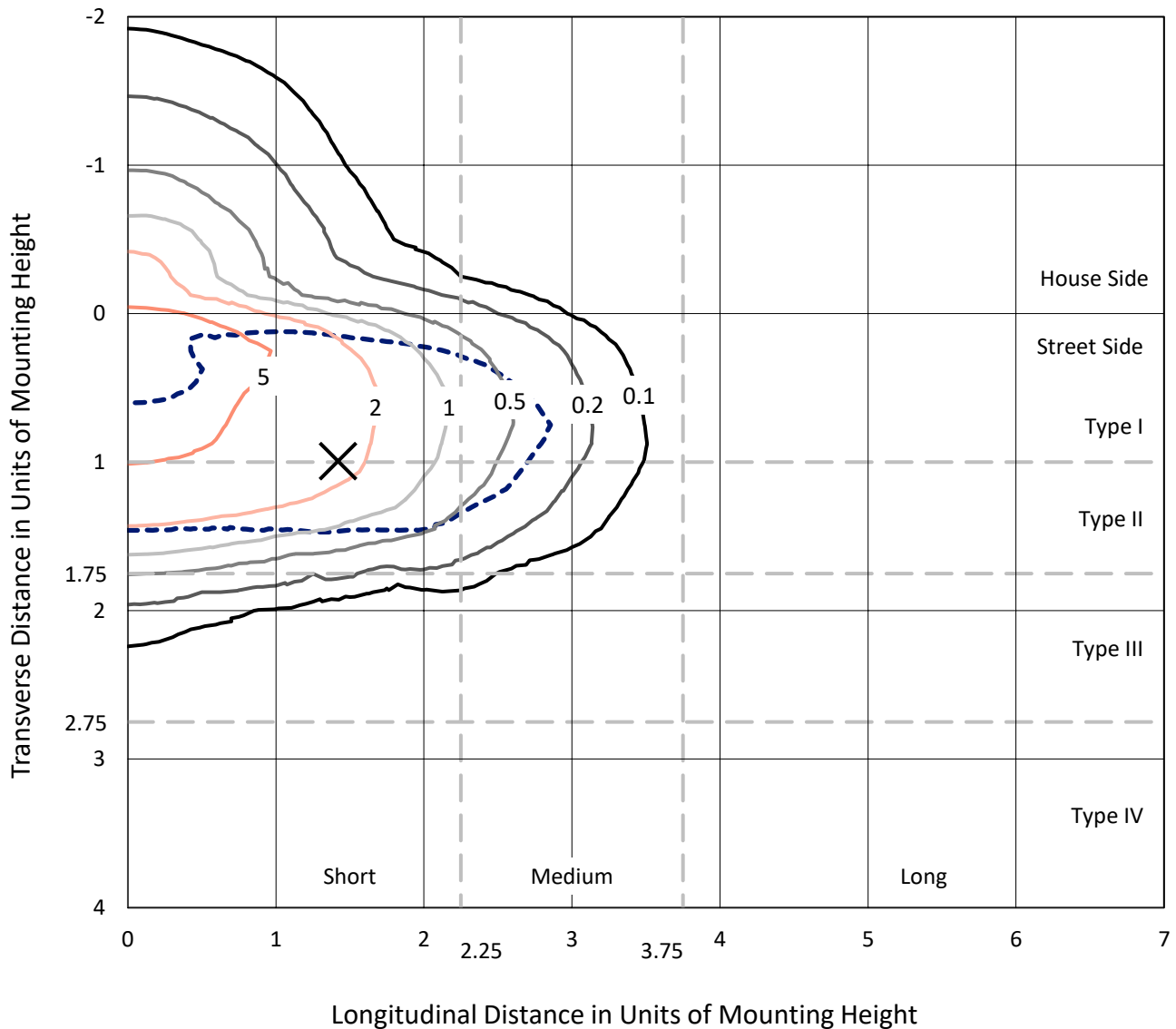
Input Watts (W): 67
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Iso-Footcandle Lines of Horizontal Illumination

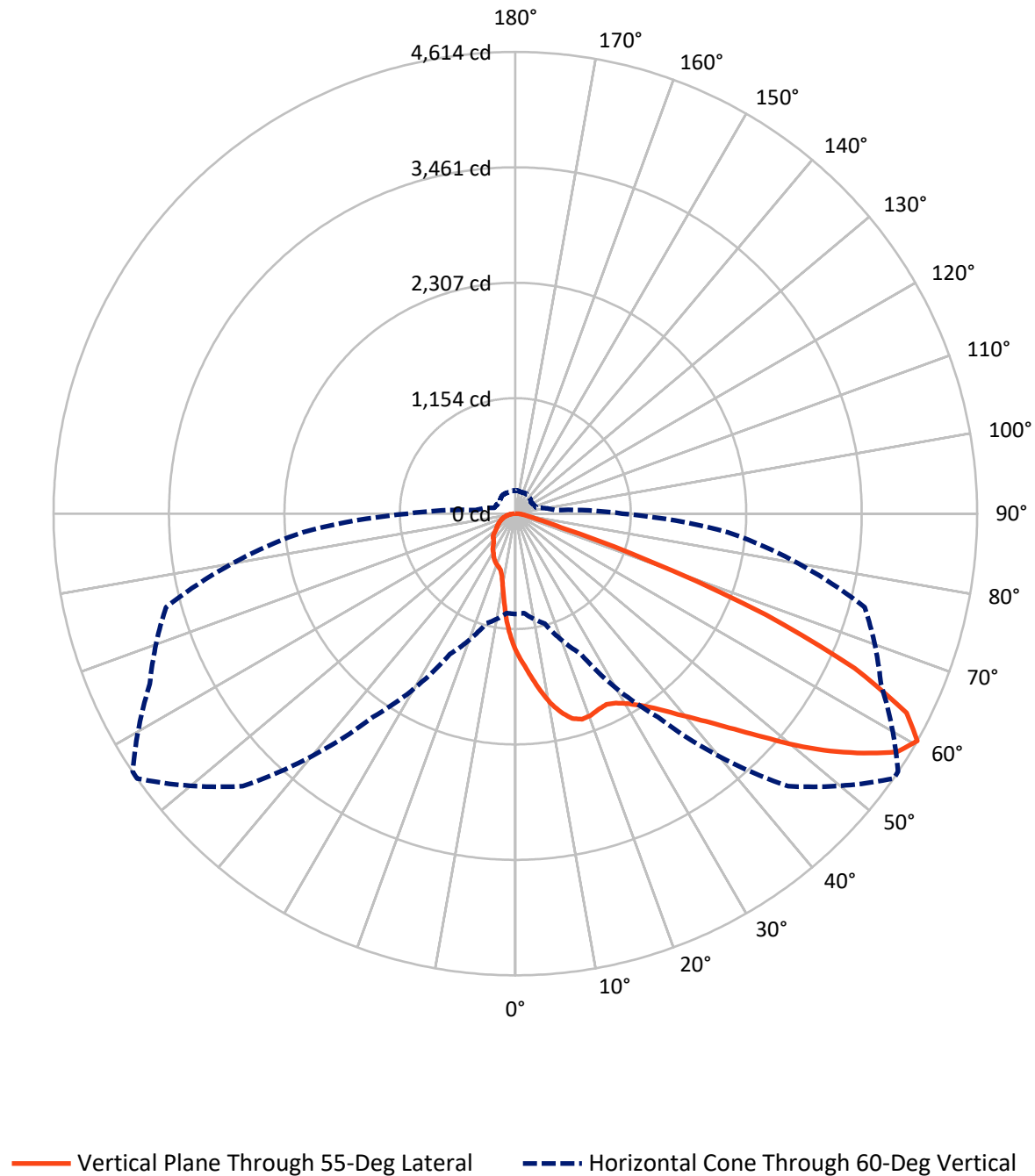
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 8.7 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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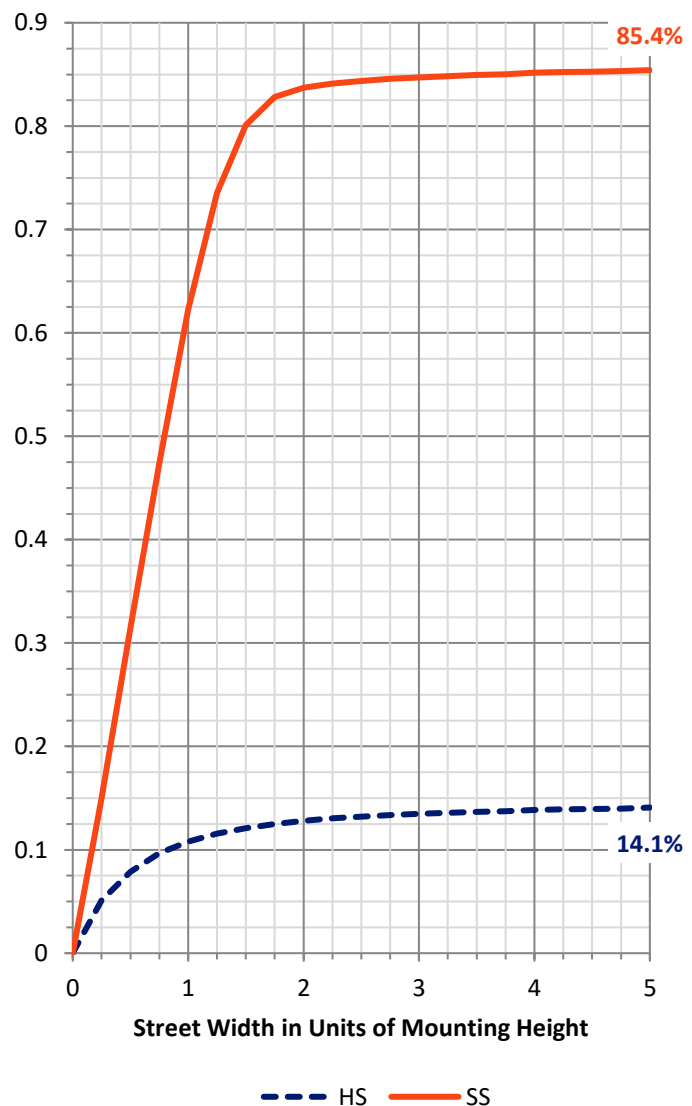
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	896.2	0.0	896.2
	% Fixture	14.4	0.0	14.4
Street Side	Lumens	5338.4	0.0	5338.4
	% Fixture	85.6	0.0	85.6
Total	Lumens	6234.6	0.0	6234.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	129.4	2.1
10°-20°	366.6	5.9
20°-30°	596.9	9.6
30°-40°	892.1	14.3
40°-50°	1311.2	21.0
50°-60°	1536.8	24.6
60°-70°	1013.3	16.3
70°-80°	322.7	5.2
80°-90°	65.6	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°	6234.6	100.0
0°-180°	6234.6	100.0

Coefficient of Utilization



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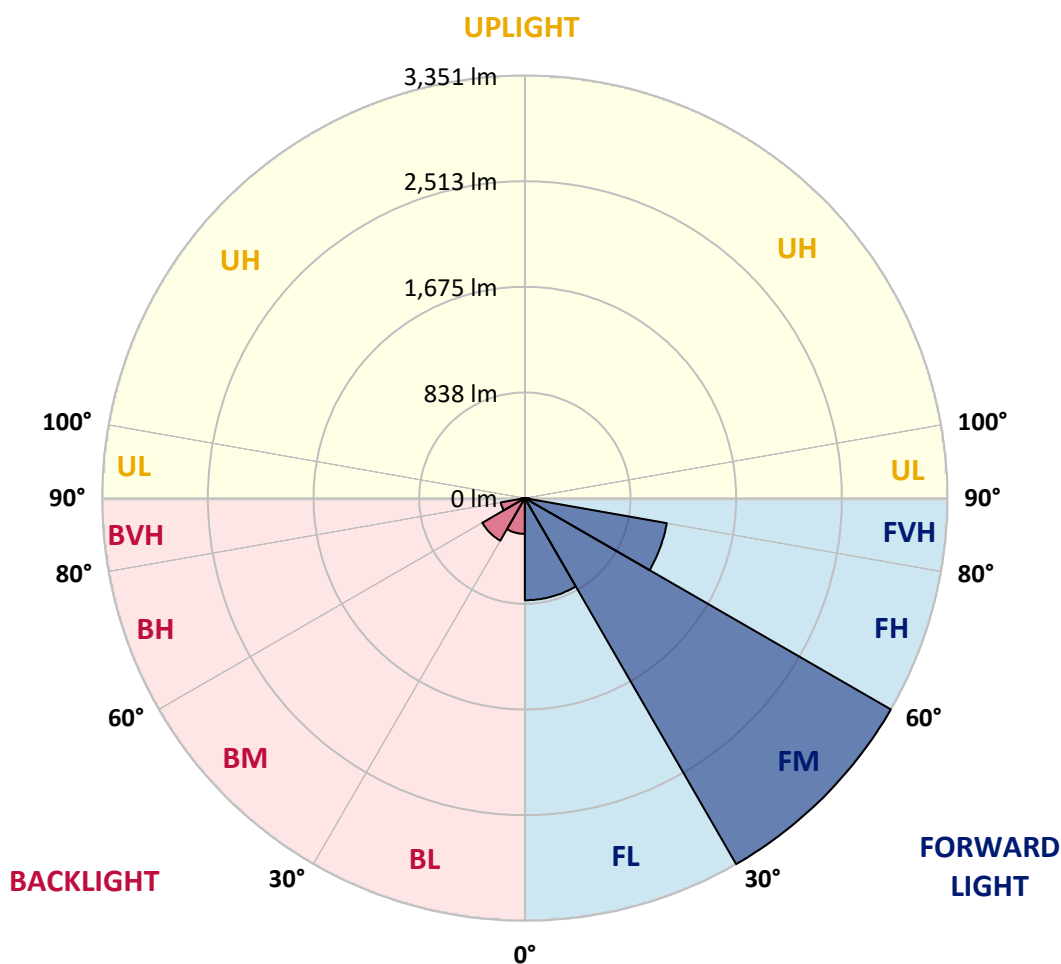
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	809.2	13.0			
FM	(30°-60°)	3350.6	53.7			
FH	(60°-80°)	1142.6	18.3			G1/1800
FVH	(80°-90°)	36.0	0.6			G1/100
BL	(0°-30°)	283.7	4.6	B1/500		
BM	(30°-60°)	389.5	6.2	B1/1000		
BH	(60°-80°)	193.4	3.1	B1/500		G1/500
BVH	(80°-90°)	29.6	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°	1382.7	1382.7	1382.7	1382.7	1382.7	1382.7	1382.7	1382.7	1382.7	1382.7	1382.7
2.5°	1609.1	1603.2	1603.2	1588.3	1566.2	1535.4	1498.8	1489.8	1475.8	1440.1	1394.0
5°	1854.4	1848.1	1839.5	1813.3	1772.2	1710.8	1633.5	1619.5	1569.3	1495.7	1412.5
7.5°	2016.7	2013.0	2010.3	1987.7	1947.1	1886.5	1783.0	1767.2	1682.3	1560.3	1430.1
10°	1999.9	2010.8	2029.8	2045.6	2053.7	2022.5	1925.4	1906.9	1801.6	1635.3	1456.4
12.5°	1843.1	1858.5	1893.8	1958.4	2032.9	2093.0	2037.9	2027.5	1929.0	1714.8	1489.3
15°	1726.6	1732.9	1750.1	1798.0	1909.1	2069.5	2125.1	2115.6	2047.8	1816.9	1527.3
17.5°	1690.4	1693.1	1697.2	1713.0	1788.9	1977.8	2160.8	2169.8	2163.1	1923.1	1570.2
20°	1708.5	1710.3	1710.8	1713.5	1749.6	1901.0	2151.3	2166.7	2264.3	2029.3	1612.7
22.5°	1778.1	1775.8	1772.7	1762.3	1782.6	1887.4	2126.0	2150.4	2342.5	2126.0	1652.0
25°	1899.6	1896.5	1874.3	1852.6	1861.2	1936.2	2112.5	2138.7	2403.5	2217.3	1680.9
27.5°	2044.2	2041.1	2018.5	1977.4	1968.3	2017.6	2144.1	2160.4	2448.2	2298.2	1693.6
30°	2194.2	2194.2	2166.2	2118.8	2089.9	2110.6	2202.4	2215.5	2482.1	2376.3	1701.7
32.5°	2357.8	2362.3	2319.0	2264.7	2232.7	2220.5	2284.2	2295.5	2531.3	2468.5	1718.9
35°	2567.9	2558.0	2505.1	2433.7	2382.2	2354.7	2385.4	2398.5	2603.6	2583.3	1746.4
37.5°	2804.3	2786.6	2721.6	2636.2	2546.2	2500.2	2520.5	2523.7	2710.7	2732.9	1796.6
40°	2999.5	2996.3	2941.2	2860.3	2746.9	2685.0	2675.0	2676.8	2859.4	2910.0	1872.5
42.5°	3163.9	3152.2	3142.3	3113.8	2993.6	2891.9	2851.3	2851.7	3020.7	3093.0	1948.9
45°	3236.7	3234.4	3263.8	3337.0	3250.7	3131.0	3073.1	3081.3	3205.5	3281.0	2022.5
47.5°	3205.5	3207.3	3285.9	3478.0	3529.0	3437.3	3334.7	3329.8	3384.5	3425.1	2087.6
50°	2927.2	2956.5	3169.4	3491.1	3711.6	3757.2	3641.6	3623.0	3541.2	3539.9	2127.4
52.5°	2717.0	2715.7	2846.3	3357.8	3776.2	4046.0	3942.0	3900.5	3670.9	3604.5	2130.5
55°	2433.3	2431.5	2528.6	2967.8	3647.9	4247.5	4225.4	4173.4	3789.8	3625.7	2108.8
57.5°	1842.7	1877.0	1973.7	2375.9	3241.2	4215.4	4496.0	4452.7	3905.9	3616.3	2104.8
60°	1002.7	998.6	1138.7	1548.5	2481.6	3851.2	4614.0	4611.7	4029.3	3612.6	2129.6
62.5°	462.3	457.7	485.8	689.5	1422.9	3085.3	4386.2	4418.8	4143.6	3579.7	2127.4
65°	345.7	333.9	296.0	320.8	544.5	1841.8	3725.6	3812.4	3967.4	3444.1	2028.9
67.5°	308.2	296.9	252.6	236.8	273.4	649.8	2702.6	2782.6	3317.6	3190.1	1869.4
70°	282.4	272.5	228.2	203.3	205.1	287.8	1414.8	1572.0	2431.5	2662.4	1593.3
72.5°	257.6	249.0	208.8	178.9	172.6	190.2	482.1	581.5	1512.4	1940.3	1187.9
75°	231.4	223.2	188.0	160.4	148.2	141.0	229.5	247.2	799.8	1071.4	637.6
77.5°	201.1	196.6	167.6	141.4	131.0	106.6	152.7	160.4	342.5	420.7	303.7
80°	174.9	171.3	149.6	128.3	117.5	82.2	105.3	110.7	169.0	210.1	169.9
82.5°	113.9	122.9	123.8	110.3	103.5	66.0	69.6	73.7	112.1	123.8	74.1
85°	47.0	56.9	85.4	75.9	71.8	56.0	46.1	47.0	68.7	72.3	26.7
87.5°	21.2	23.5	42.0	42.5	37.1	21.2	23.0	25.3	35.2	34.8	11.7
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°	1382.7	1382.7	1382.7	1382.7	1382.7	1382.7	1382.7	1382.7	1382.7	1382.7	1382.7
2.5°	1381.3	1360.6	1323.5	1276.1	1242.2	1217.3	1190.2	1170.3	1148.2	1128.8	1131.9
5°	1378.2	1338.0	1254.8	1166.7	1080.9	1010.4	951.6	908.2	863.5	845.9	843.6
7.5°	1380.9	1312.7	1176.2	1032.1	901.5	811.5	743.3	702.2	676.4	661.5	662.4
10°	1380.0	1288.7	1091.2	892.4	749.6	667.4	625.8	612.3	610.0	611.8	614.5
12.5°	1381.3	1256.2	995.9	766.8	640.7	598.7	600.5	612.7	620.4	625.4	628.5
15°	1387.2	1229.5	898.3	667.9	583.8	585.2	604.6	623.6	634.9	640.3	643.0
17.5°	1395.8	1196.1	811.5	592.8	559.9	580.6	605.9	626.3	634.9	638.0	640.3
20°	1396.7	1157.7	723.9	541.3	544.0	571.2	593.3	609.6	620.4	624.0	625.8
22.5°	1392.6	1105.7	634.0	503.8	526.0	553.1	572.1	590.6	576.1	564.4	561.2
25°	1375.5	1040.2	557.1	473.1	503.4	528.7	550.4	530.0	523.3	514.2	515.1
27.5°	1338.4	958.4	484.8	444.2	476.7	512.9	497.0	494.3	485.8	476.7	476.7
30°	1289.6	872.1	424.3	413.9	444.6	462.7	466.3	462.3	457.3	445.5	446.4
32.5°	1245.8	780.8	381.4	388.6	424.3	424.3	440.1	440.1	422.0	389.1	389.1
35°	1202.4	695.0	349.7	367.4	390.9	398.5	420.2	391.8	366.0	351.1	350.2
37.5°	1168.5	621.8	329.0	349.3	358.3	377.8	378.2	357.4	348.8	335.3	333.9
40°	1148.6	560.3	316.3	340.3	341.2	359.2	329.4	335.3	333.5	323.1	321.7
42.5°	1137.8	512.9	306.8	332.6	328.1	310.4	305.0	314.9	318.1	312.7	310.4
45°	1129.2	475.8	299.1	305.9	317.7	285.6	283.3	291.0	297.8	297.3	295.5
47.5°	1124.7	450.1	292.4	289.2	291.5	270.7	266.1	269.8	278.3	283.8	283.3
50°	1107.1	430.2	282.4	272.0	257.6	257.6	255.3	255.3	265.7	276.5	277.4
52.5°	1075.9	406.7	268.0	255.8	239.0	246.3	247.2	245.4	256.2	268.0	268.9
55°	1041.5	389.1	248.5	240.8	223.7	235.9	239.9	238.1	245.4	253.5	253.0
57.5°	1042.0	388.6	231.8	225.9	209.2	222.8	232.7	233.2	232.7	238.6	238.6
60°	1068.2	397.6	218.7	206.0	192.5	208.8	225.0	225.0	221.9	230.4	231.4
62.5°	1075.9	396.7	210.6	187.1	177.6	196.1	213.7	216.4	214.2	226.4	227.7
65°	1008.1	375.5	202.4	169.9	164.0	182.1	199.7	207.4	205.1	221.0	222.8
67.5°	914.1	347.9	189.8	154.5	150.0	168.5	185.3	193.4	192.9	213.7	214.6
70°	788.0	314.0	174.0	138.7	136.5	152.7	167.6	176.2	180.3	204.2	203.8
72.5°	610.5	269.3	150.0	122.0	121.6	136.5	149.6	159.1	166.7	189.8	189.8
75°	393.6	211.9	122.5	105.7	103.9	117.9	131.5	142.3	165.8	202.4	202.0
77.5°	240.4	161.8	98.5	88.1	87.7	100.3	113.9	132.4	181.2	180.3	175.3
80°	144.1	116.1	78.6	70.5	70.5	82.2	97.2	141.9	150.5	171.7	162.2
82.5°	75.0	71.4	58.7	52.0	54.2	64.6	88.6	113.4	122.9	104.4	95.8
85°	30.7	38.0	36.1	33.0	34.3	44.7	85.4	90.8	72.7	76.4	76.8
87.5°	10.4	16.7	16.7	13.1	14.5	31.6	50.6	30.3	36.6	21.7	16.3
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)