

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: P671972

Luminaire Tested: **CCP-SA-2A-740-U-AFL**

Issue Date: 04/16/2023

Test Information

Test Method: LM-79-08
Report Number: P671972
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2A-740-U-AFL
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @350mA w/ AFL
distribution lens
Light Source: (32) 4000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5521.7 lumens
Efficiency: N/A
Efficacy: 152.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

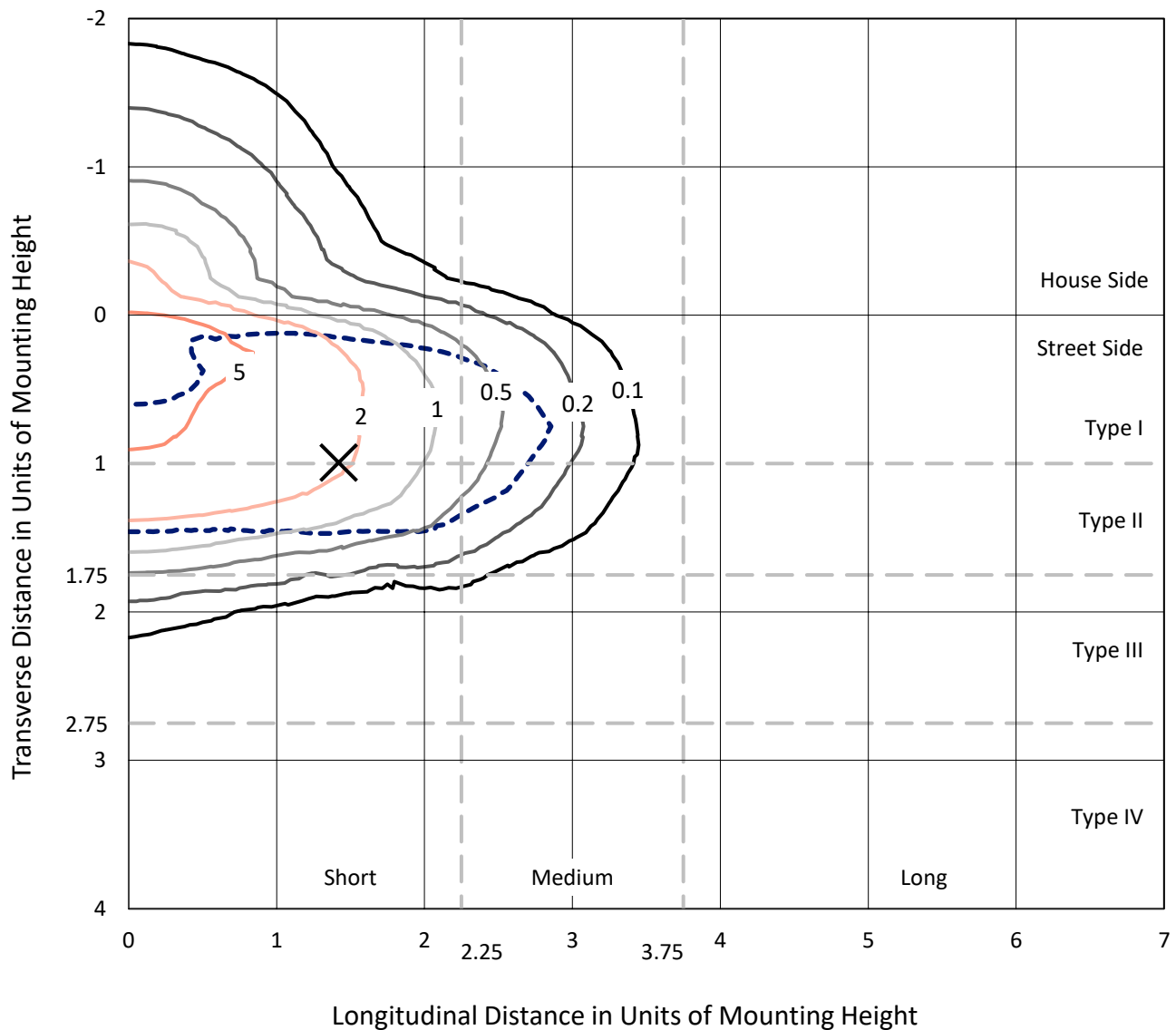
Input Watts (W): 36.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

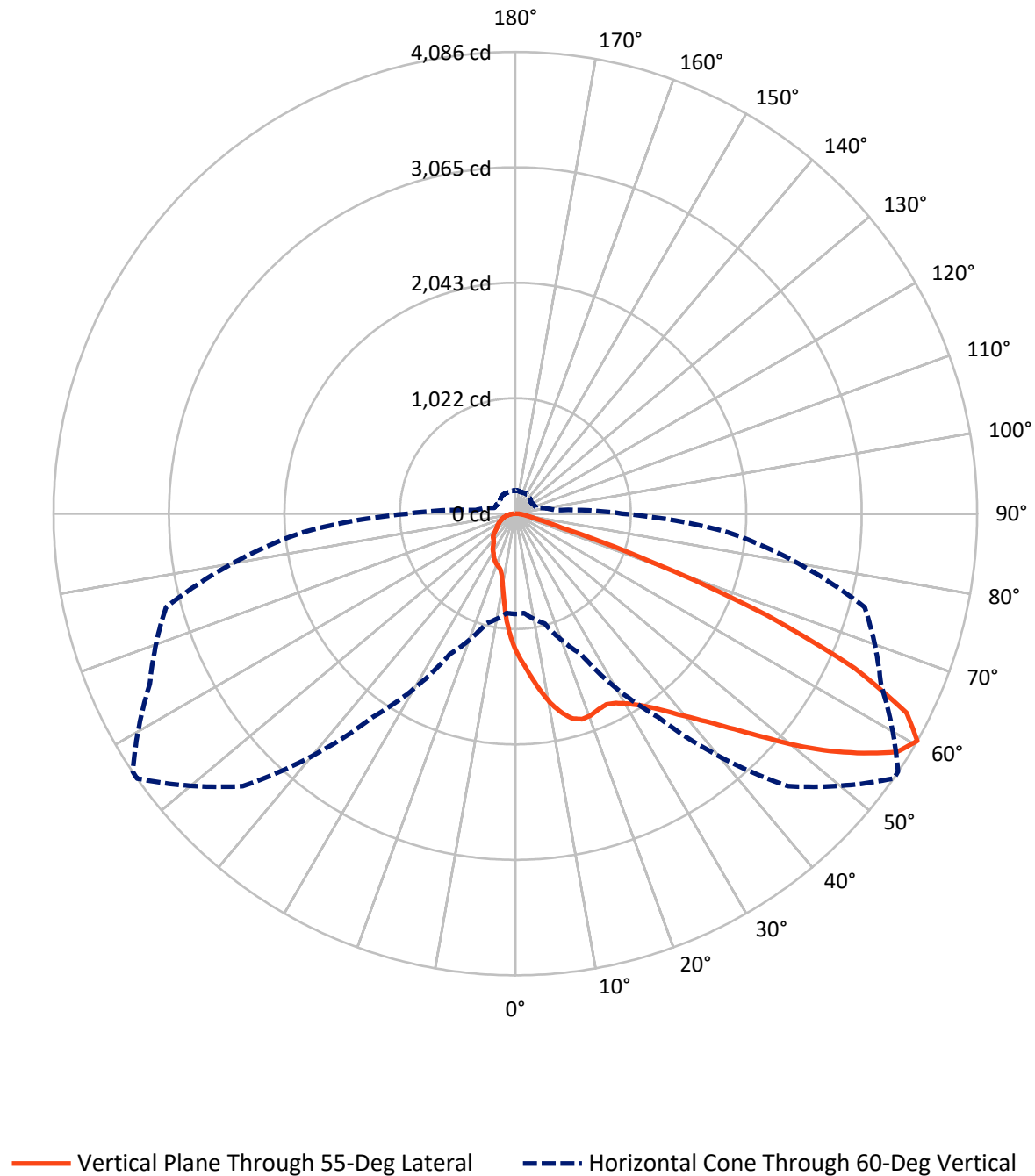


Based on 15 foot mounting height. Maximum calculated value = 7.7 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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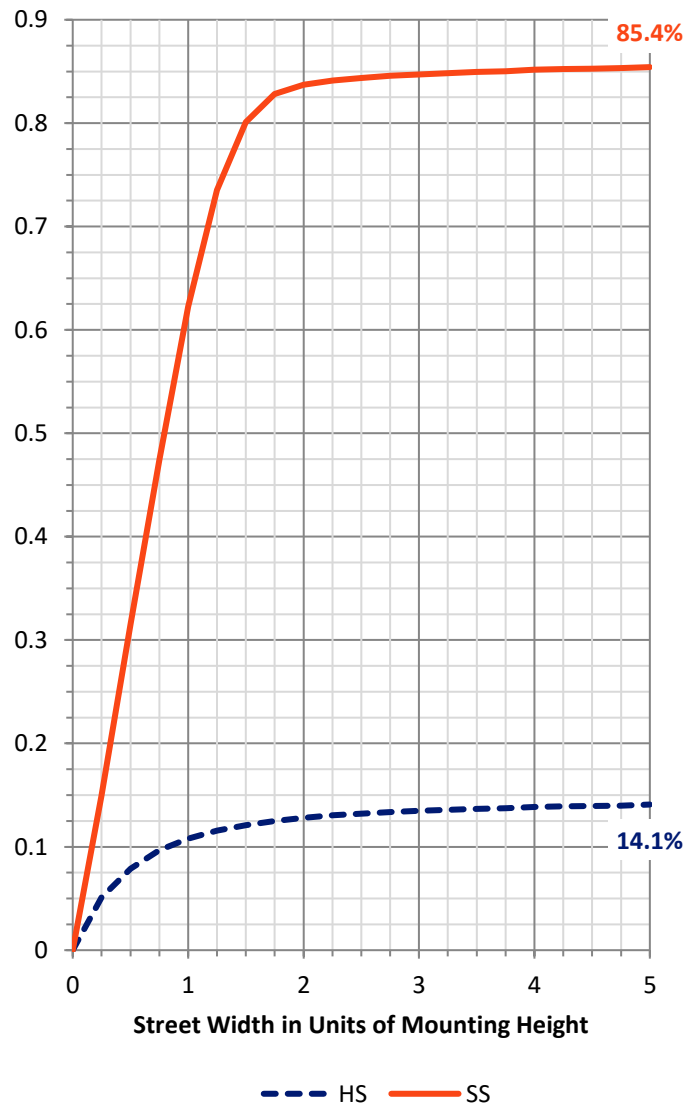
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	793.8	0.0	793.8
	% Fixture	14.4	0.0	14.4
Street Side	Lumens	4727.9	0.0	4727.9
	% Fixture	85.6	0.0	85.6
Total	Lumens	5521.7	0.0	5521.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	114.6	2.1
10°-20°	324.7	5.9
20°-30°	528.6	9.6
30°-40°	790.1	14.3
40°-50°	1161.3	21.0
50°-60°	1361.1	24.6
60°-70°	897.4	16.3
70°-80°	285.8	5.2
80°-90°	58.1	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°	5521.7	100.0
0°-180°	5521.7	100.0



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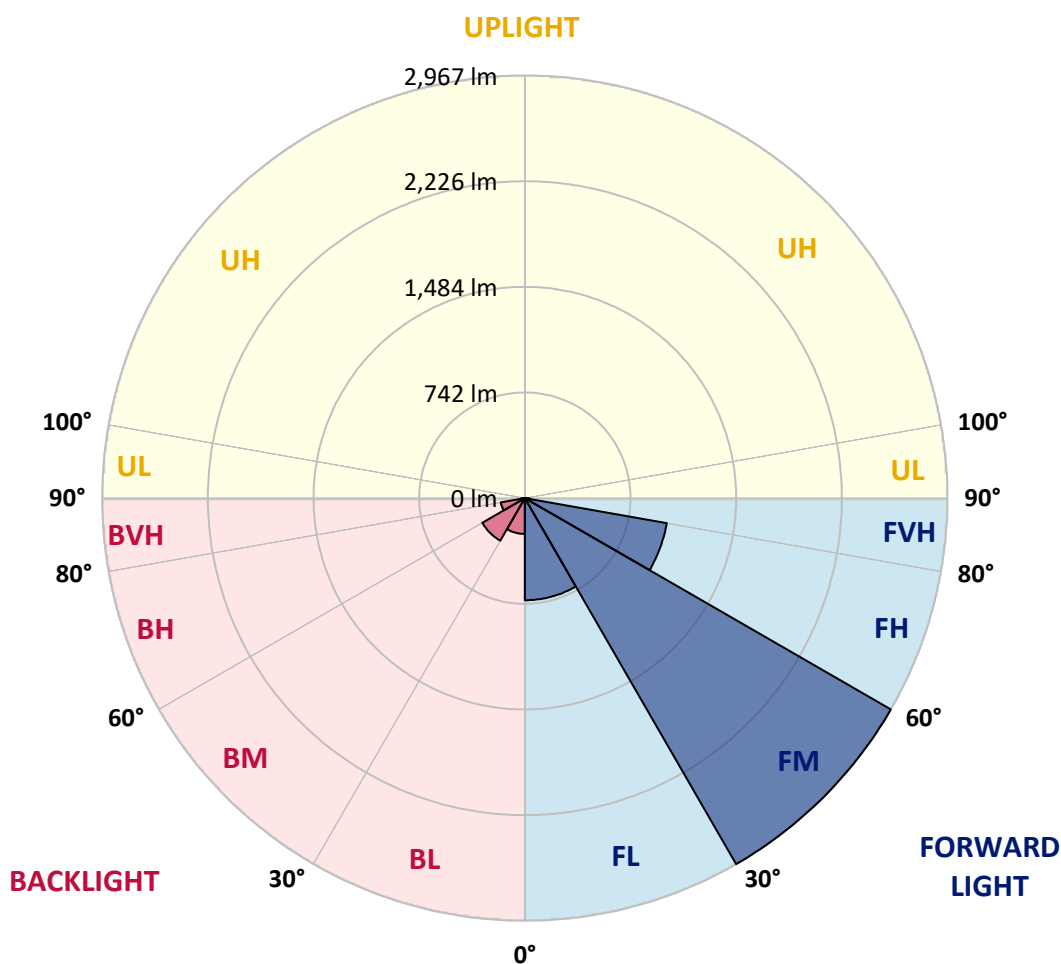
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	716.7	13.0			
FM	(30°-60°)	2967.5	53.7			
FH	(60°-80°)	1011.9	18.3			G1/1800
FVH	(80°-90°)	31.9	0.6			G1/100
BL	(0°-30°)	251.3	4.6	B1/500		
BM	(30°-60°)	345.0	6.2	B1/1000		
BH	(60°-80°)	171.3	3.1	B1/500		G1/500
BVH	(80°-90°)	26.2	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°	1224.6	1224.6	1224.6	1224.6	1224.6	1224.6	1224.6	1224.6	1224.6	1224.6	1224.6
2.5°	1425.1	1419.9	1419.9	1406.7	1387.1	1359.9	1327.4	1319.4	1307.0	1275.4	1234.6
5°	1642.4	1636.8	1629.2	1606.0	1569.6	1515.1	1446.7	1434.3	1389.9	1324.6	1251.0
7.5°	1786.1	1782.9	1780.5	1760.4	1724.4	1670.8	1579.2	1565.2	1489.9	1381.9	1266.6
10°	1771.3	1780.9	1797.7	1811.7	1818.9	1791.3	1705.2	1688.8	1595.6	1448.3	1289.8
12.5°	1632.4	1646.0	1677.2	1734.4	1800.5	1853.7	1804.9	1795.7	1708.4	1518.7	1319.0
15°	1529.1	1534.7	1549.9	1592.4	1690.8	1832.9	1882.1	1873.7	1813.7	1609.2	1352.7
17.5°	1497.1	1499.5	1503.1	1517.1	1584.4	1751.6	1913.7	1921.7	1915.7	1703.2	1390.7
20°	1513.1	1514.7	1515.1	1517.5	1549.5	1683.6	1905.3	1918.9	2005.4	1797.3	1428.3
22.5°	1574.8	1572.8	1570.0	1560.8	1578.8	1671.6	1882.9	1904.5	2074.6	1882.9	1463.1
25°	1682.4	1679.6	1660.0	1640.8	1648.4	1714.8	1870.9	1894.1	2128.6	1963.7	1488.7
27.5°	1810.5	1807.7	1787.7	1751.2	1743.2	1786.9	1898.9	1913.3	2168.2	2035.4	1499.9
30°	1943.3	1943.3	1918.5	1876.5	1850.9	1869.3	1950.5	1962.1	2198.3	2104.6	1507.1
32.5°	2088.2	2092.2	2053.8	2005.8	1977.4	1966.5	2023.0	2033.0	2241.9	2186.3	1522.3
35°	2274.3	2265.5	2218.7	2155.4	2109.8	2085.4	2112.6	2124.2	2305.9	2287.9	1546.7
37.5°	2483.6	2468.0	2410.4	2334.7	2255.1	2214.3	2232.3	2235.1	2400.8	2420.4	1591.2
40°	2656.5	2653.7	2604.9	2533.2	2432.8	2377.9	2369.1	2370.7	2532.4	2577.2	1658.4
42.5°	2802.1	2791.7	2782.9	2757.7	2651.3	2561.2	2525.2	2525.6	2675.3	2739.3	1726.0
45°	2866.6	2864.6	2890.6	2955.4	2879.0	2772.9	2721.7	2728.9	2839.0	2905.8	1791.3
47.5°	2839.0	2840.6	2910.2	3080.3	3125.5	3044.3	2953.4	2949.0	2997.4	3033.5	1848.9
50°	2592.4	2618.5	2807.0	3091.9	3287.2	3327.6	3225.2	3208.7	3136.3	3135.1	1884.1
52.5°	2406.4	2405.2	2520.8	2973.8	3344.4	3583.3	3491.3	3454.5	3251.2	3192.3	1886.9
55°	2155.0	2153.4	2239.5	2628.5	3230.8	3761.8	3742.2	3696.2	3356.4	3211.1	1867.7
57.5°	1632.0	1662.4	1748.0	2104.2	2870.6	3733.4	3981.9	3943.5	3459.3	3202.7	1864.1
60°	888.0	884.4	1008.5	1371.5	2197.9	3410.8	4086.4	4084.4	3568.5	3199.5	1886.1
62.5°	409.4	405.4	430.2	610.7	1260.2	2732.5	3884.7	3913.5	3669.8	3170.3	1884.1
65°	306.1	295.7	262.1	284.1	482.2	1631.2	3299.6	3376.4	3513.7	3050.3	1796.9
67.5°	272.9	262.9	223.7	209.7	242.1	575.5	2393.6	2464.4	2938.2	2825.4	1655.6
70°	250.1	241.3	202.1	180.1	181.7	254.9	1253.0	1392.3	2153.4	2357.9	1411.1
72.5°	228.1	220.5	184.9	158.5	152.9	168.5	427.0	515.0	1339.4	1718.4	1052.1
75°	204.9	197.7	166.5	142.1	131.3	124.9	203.3	218.9	708.3	948.9	564.7
77.5°	178.1	174.1	148.5	125.3	116.1	94.4	135.3	142.1	303.3	372.6	268.9
80°	154.9	151.7	132.5	113.7	104.1	72.8	93.2	98.0	149.7	186.1	150.5
82.5°	100.8	108.9	109.7	97.6	91.6	58.4	61.6	65.2	99.2	109.7	65.6
85°	41.6	50.4	75.6	67.2	63.6	49.6	40.8	41.6	60.8	64.0	23.6
87.5°	18.8	20.8	37.2	37.6	32.8	18.8	20.4	22.4	31.2	30.8	10.4
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°	1224.6	1224.6	1224.6	1224.6	1224.6	1224.6	1224.6	1224.6	1224.6	1224.6	1224.6
2.5°	1223.4	1205.0	1172.2	1130.1	1100.1	1078.1	1054.1	1036.5	1016.9	999.7	1002.5
5°	1220.6	1185.0	1111.3	1033.3	957.3	894.8	842.8	804.4	764.8	749.2	747.2
7.5°	1223.0	1162.6	1041.7	914.0	798.4	718.7	658.3	621.9	599.1	585.9	586.7
10°	1222.2	1141.3	966.5	790.4	663.9	591.1	554.3	542.3	540.3	541.9	544.3
12.5°	1223.4	1112.5	882.0	679.1	567.5	530.3	531.9	542.7	549.5	553.9	556.7
15°	1228.6	1088.9	795.6	591.5	517.0	518.2	535.5	552.3	562.3	567.1	569.5
17.5°	1236.2	1059.3	718.7	525.1	495.8	514.2	536.7	554.7	562.3	565.1	567.1
20°	1237.0	1025.3	641.1	479.4	481.8	505.8	525.5	539.9	549.5	552.7	554.3
22.5°	1233.4	979.3	561.5	446.2	465.8	489.8	506.6	523.1	510.2	499.8	497.0
25°	1218.2	921.2	493.4	419.0	445.8	468.2	487.4	469.4	463.4	455.4	456.2
27.5°	1185.4	848.8	429.4	393.4	422.2	454.2	440.2	437.8	430.2	422.2	422.2
30°	1142.1	772.4	375.8	366.6	393.8	409.8	413.0	409.4	405.0	394.6	395.4
32.5°	1103.3	691.5	337.8	344.2	375.8	375.8	389.8	389.8	373.8	344.6	344.6
35°	1064.9	615.5	309.7	325.4	346.2	353.0	372.2	347.0	324.2	310.9	310.1
37.5°	1034.9	550.7	291.3	309.3	317.4	334.6	335.0	316.6	308.9	296.9	295.7
40°	1017.3	496.2	280.1	301.3	302.1	318.2	291.7	296.9	295.3	286.1	284.9
42.5°	1007.7	454.2	271.7	294.5	290.5	274.9	270.1	278.9	281.7	276.9	274.9
45°	1000.1	421.4	264.9	270.9	281.3	252.9	250.9	257.7	263.7	263.3	261.7
47.5°	996.1	398.6	258.9	256.1	258.1	239.7	235.7	238.9	246.5	251.3	250.9
50°	980.5	381.0	250.1	240.9	228.1	228.1	226.1	226.1	235.3	244.9	245.7
52.5°	952.9	360.2	237.3	226.5	211.7	218.1	218.9	217.3	226.9	237.3	238.1
55°	922.4	344.6	220.1	213.3	198.1	208.9	212.5	210.9	217.3	224.5	224.1
57.5°	922.8	344.2	205.3	200.1	185.3	197.3	206.1	206.5	206.1	211.3	211.3
60°	946.1	352.2	193.7	182.5	170.5	184.9	199.3	199.3	196.5	204.1	204.9
62.5°	952.9	351.4	186.5	165.7	157.3	173.7	189.3	191.7	189.7	200.5	201.7
65°	892.8	332.6	179.3	150.5	145.3	161.3	176.9	183.7	181.7	195.7	197.3
67.5°	809.6	308.1	168.1	136.9	132.9	149.3	164.1	171.3	170.9	189.3	190.1
70°	697.9	278.1	154.1	122.9	120.9	135.3	148.5	156.1	159.7	180.9	180.5
72.5°	540.7	238.5	132.9	108.1	107.7	120.9	132.5	140.9	147.7	168.1	168.1
75°	348.6	187.7	108.5	93.6	92.0	104.5	116.5	126.1	146.9	179.3	178.9
77.5°	212.9	143.3	87.2	78.0	77.6	88.8	100.8	117.3	160.5	159.7	155.3
80°	127.7	102.8	69.6	62.4	62.4	72.8	86.0	125.7	133.3	152.1	143.7
82.5°	66.4	63.2	52.0	46.0	48.0	57.2	78.4	100.4	108.9	92.4	84.8
85°	27.2	33.6	32.0	29.2	30.4	39.6	75.6	80.4	64.4	67.6	68.0
87.5°	9.2	14.8	14.8	11.6	12.8	28.0	44.8	26.8	32.4	19.2	14.4
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)