

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: P675375

Luminaire Tested: **CCW-SA-2D-722-U-SL2**

Issue Date: 04/25/2023

Test Information

Test Method: LM-79-08
Report Number: P675375
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-2D-722-U-SL2
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @800mA w/
SL2 distribution lens
Light Source: (32) 2200K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

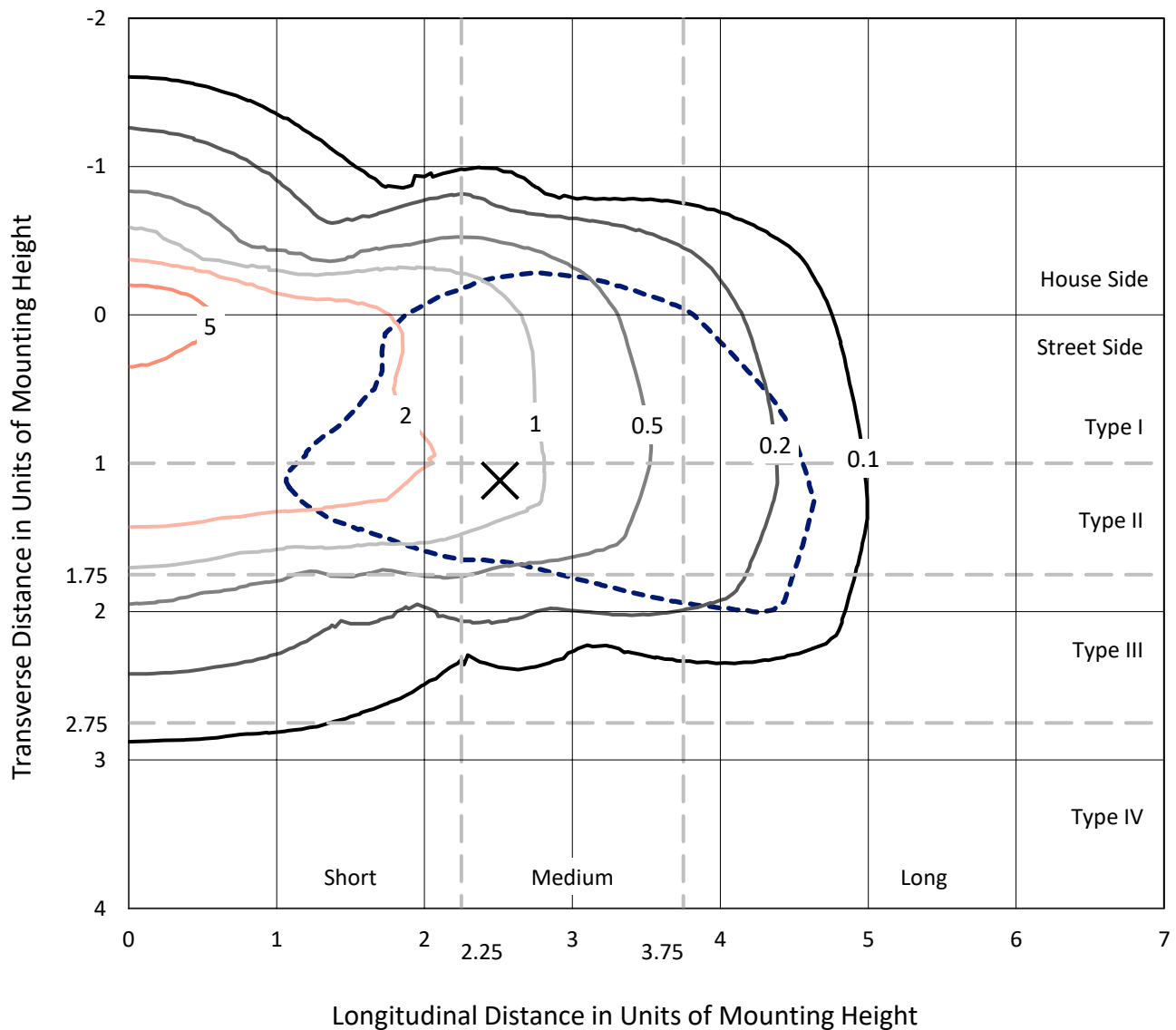
Lumens per Lamp: N/A
Luminaire Lumens: 8130.4 lumens
Efficiency: N/A
Efficacy: 100.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B2 - U0 - G3

Input Watts (W): 80.8
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

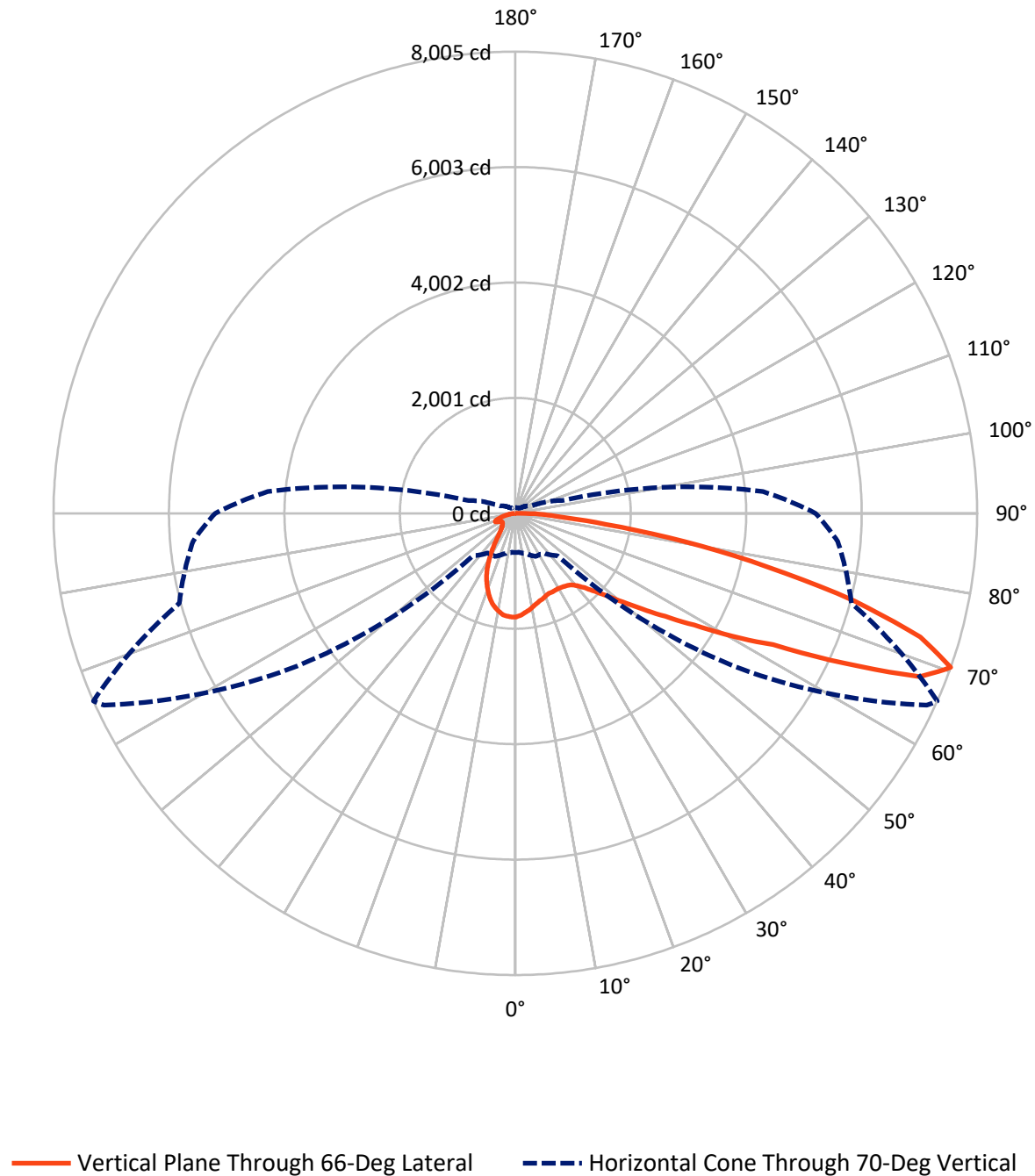
× Max cd
 --- 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 8 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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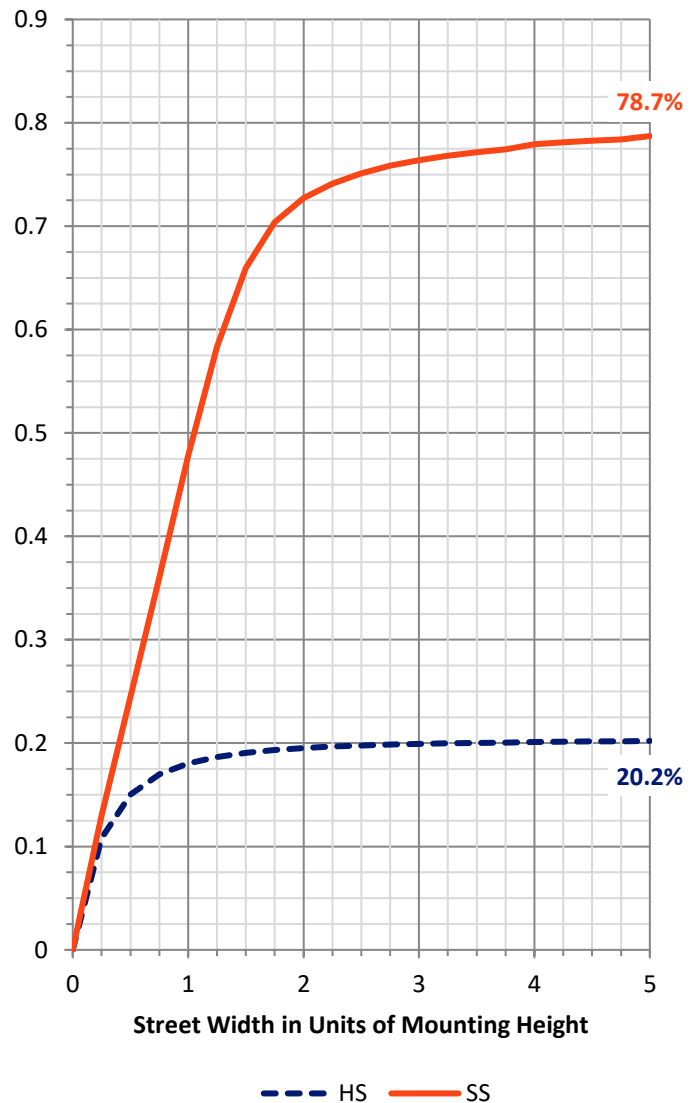
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1664.2	0.0	1664.2
	% Fixture	20.5	0.0	20.5
Street Side	Lumens	6466.2	0.0	6466.2
	% Fixture	79.5	0.0	79.5
Total	Lumens	8130.4	0.0	8130.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	158.8	2.0
10°-20°	391.0	4.8
20°-30°	537.0	6.6
30°-40°	720.0	8.9
40°-50°	1044.6	12.8
50°-60°	1587.8	19.5
60°-70°	1961.0	24.1
70°-80°	1458.3	17.9
80°-90°	272.0	3.3
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°	8130.4	100.0
0°-180°	8130.4	100.0

Coefficient of Utilization



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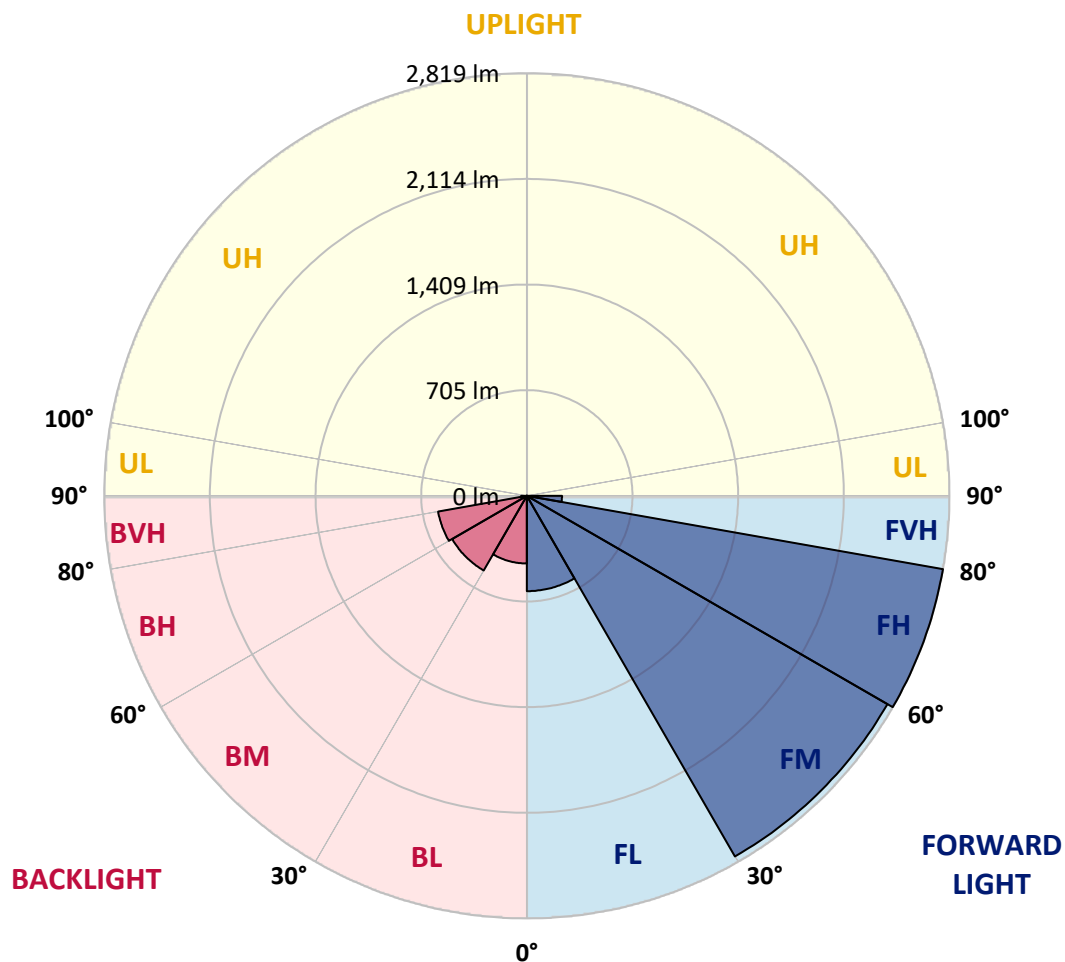
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	635.7	7.8			
FM	(30°-60°)	2777.5	34.2			
FH	(60°-80°)	2818.6	34.7			G2/5000
FVH	(80°-90°)	234.5	2.9			G3/500
BL	(0°-30°)	451.0	5.5	B1/500		
BM	(30°-60°)	574.9	7.1	B1/1000		
BH	(60°-80°)	600.7	7.4	B2/1000		G2/1000
BVH	(80°-90°)	37.5	0.5			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3

Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	1796.3	1796.3	1796.3	1796.3	1796.3	1796.3	1796.3	1796.3	1796.3	1796.3	1796.3
2.5°	1708.6	1717.6	1720.7	1726.7	1741.8	1753.9	1772.1	1781.1	1772.1	1784.2	1784.2
5°	1590.6	1578.5	1608.8	1620.9	1639.0	1663.2	1705.5	1738.8	1729.7	1766.0	1796.3
7.5°	1490.8	1490.8	1499.9	1527.1	1548.3	1584.6	1629.9	1681.4	1696.5	1744.9	1790.2
10°	1400.1	1412.2	1412.2	1454.6	1466.6	1509.0	1584.6	1648.1	1651.1	1732.8	1796.3
12.5°	1351.7	1345.7	1375.9	1388.0	1424.3	1466.6	1527.1	1605.8	1608.8	1696.5	1784.2
15°	1312.4	1318.5	1333.6	1363.8	1397.1	1430.4	1487.8	1560.4	1575.5	1678.3	1778.1
17.5°	1315.4	1318.5	1318.5	1339.6	1366.9	1406.2	1460.6	1545.3	1554.3	1654.1	1769.0
20°	1333.6	1321.5	1330.6	1339.6	1357.8	1394.1	1439.4	1512.0	1521.1	1651.1	1790.2
22.5°	1372.9	1363.8	1360.8	1357.8	1354.8	1375.9	1433.4	1493.9	1502.9	1636.0	1799.3
25°	1436.4	1433.4	1412.2	1391.0	1375.9	1375.9	1421.3	1509.0	1506.0	1636.0	1805.3
27.5°	1512.0	1512.0	1509.0	1469.7	1424.3	1400.1	1430.4	1502.9	1499.9	1636.0	1820.5
30°	1614.8	1614.8	1605.8	1569.5	1487.8	1418.3	1436.4	1496.9	1506.0	1623.9	1808.4
32.5°	1726.7	1723.7	1732.8	1699.5	1614.8	1502.9	1472.7	1509.0	1518.1	1636.0	1811.4
35°	1808.4	1826.5	1856.7	1826.5	1741.8	1590.6	1524.1	1533.2	1539.2	1639.0	1823.5
37.5°	1902.1	1923.3	1965.6	1989.8	1899.1	1723.7	1605.8	1572.5	1572.5	1678.3	1826.5
40°	2038.2	2017.0	2089.6	2131.9	2095.6	1887.0	1732.8	1645.1	1648.1	1729.7	1865.8
42.5°	2138.0	2159.1	2234.7	2310.3	2265.0	2086.6	1871.9	1763.0	1763.0	1805.3	1926.3
45°	2249.9	2274.1	2379.9	2470.6	2503.9	2325.5	2062.4	1932.3	1926.3	1953.5	2035.2
47.5°	2373.9	2407.1	2528.1	2633.9	2721.6	2573.4	2307.3	2138.0	2135.0	2156.1	2216.6
50°	2516.0	2528.1	2627.9	2821.4	2996.8	2903.1	2606.7	2428.3	2413.2	2422.2	2503.9
52.5°	2558.3	2549.2	2664.2	2872.8	3193.4	3305.2	3014.9	2757.9	2751.9	2730.7	2836.5
55°	2404.1	2434.3	2546.2	2812.3	3353.6	3780.0	3462.5	3208.5	3154.0	3096.6	3223.6
57.5°	2095.6	2098.7	2225.7	2540.2	3229.6	4173.1	4221.5	3650.0	3653.0	3498.8	3643.9
60°	1629.9	1620.9	1720.7	2004.9	2875.8	4294.1	5050.1	4354.6	4324.3	3901.0	4034.0
62.5°	1176.3	1158.2	1179.4	1345.7	2150.1	4109.6	5863.6	5143.8	5016.8	4312.2	4415.1
65°	967.7	976.8	985.8	994.9	1206.6	3389.9	6114.6	6432.1	6262.7	4793.1	4835.4
67.5°	801.4	807.4	846.7	901.2	895.1	2001.9	5824.3	7623.5	7560.0	5388.8	5198.3
70°	680.4	677.4	722.7	822.5	837.7	1040.3	4611.6	7868.5	8004.6	6029.9	5609.5
72.5°	544.3	550.4	589.7	722.7	822.5	877.0	2655.1	7342.3	7339.3	6522.8	5388.8
75°	390.1	390.1	444.5	598.8	795.3	867.9	1469.7	5960.3	6072.2	6129.7	4675.1
77.5°	257.0	269.1	311.5	447.6	746.9	849.7	931.4	4333.4	4472.5	4584.4	3577.4
80°	175.4	181.4	208.7	311.5	632.0	855.8	762.1	2915.2	2969.6	2531.1	1451.5
82.5°	105.8	108.9	139.1	217.7	453.6	813.5	716.7	1608.8	1575.5	765.1	417.3
85°	57.5	60.5	87.7	145.2	299.4	710.6	704.6	789.3	734.8	281.2	175.4
87.5°	21.2	21.2	39.3	72.6	172.4	486.9	613.9	468.7	438.5	142.1	81.6
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°	1796.3	1796.3	1796.3	1796.3	1796.3	1796.3	1796.3	1796.3	1796.3	1796.3	1796.3
2.5°	1799.3	1799.3	1799.3	1799.3	1796.3	1784.2	1793.2	1790.2	1772.1	1775.1	1763.0
5°	1793.2	1808.4	1799.3	1787.2	1772.1	1735.8	1723.7	1714.6	1690.4	1681.4	1690.4
7.5°	1808.4	1796.3	1790.2	1769.0	1708.6	1675.3	1633.0	1581.6	1545.3	1536.2	1545.3
10°	1805.3	1805.3	1778.1	1717.6	1660.2	1563.4	1509.0	1418.3	1366.9	1351.7	1354.8
12.5°	1793.2	1802.3	1760.0	1663.2	1554.3	1436.4	1336.6	1239.8	1149.1	1112.8	1106.8
15°	1805.3	1796.3	1720.7	1596.7	1445.5	1282.2	1137.0	994.9	910.2	855.8	843.7
17.5°	1787.2	1778.1	1669.3	1506.0	1303.4	1094.7	913.3	759.0	674.4	653.2	653.2
20°	1808.4	1750.9	1608.8	1397.1	1155.2	889.1	683.4	568.5	547.3	547.3	553.4
22.5°	1805.3	1744.9	1557.4	1291.3	976.8	671.3	508.0	474.8	477.8	502.0	499.0
25°	1787.2	1732.8	1484.8	1173.3	789.3	505.0	420.3	411.3	432.4	459.7	456.6
27.5°	1784.2	1699.5	1418.3	1034.2	601.8	399.2	365.9	365.9	387.1	411.3	408.2
30°	1766.0	1672.3	1336.6	877.0	453.6	347.8	335.7	335.7	344.7	356.8	356.8
32.5°	1763.0	1636.0	1245.9	713.7	362.9	314.5	308.4	311.5	311.5	317.5	314.5
35°	1738.8	1587.6	1152.1	553.4	314.5	296.4	290.3	287.3	287.3	284.3	284.3
37.5°	1729.7	1557.4	1055.4	429.4	293.3	281.2	275.2	266.1	263.1	263.1	260.1
40°	1738.8	1527.1	961.6	347.8	275.2	269.1	260.1	248.0	244.9	244.9	244.9
42.5°	1772.1	1524.1	864.9	302.4	266.1	257.0	244.9	232.8	229.8	232.8	229.8
45°	1847.7	1548.3	771.1	281.2	254.0	244.9	229.8	220.8	217.7	220.8	220.8
47.5°	1971.7	1614.8	686.5	269.1	244.9	232.8	217.7	208.7	208.7	208.7	208.7
50°	2177.3	1741.8	604.8	260.1	238.9	223.8	208.7	196.6	193.5	193.5	196.6
52.5°	2485.7	1959.6	538.3	254.0	229.8	211.7	196.6	187.5	181.4	178.4	181.4
55°	2857.7	2277.1	517.1	248.0	217.7	202.6	187.5	175.4	169.3	169.3	166.3
57.5°	3256.9	2627.9	553.4	241.9	208.7	190.5	175.4	163.3	157.2	154.2	154.2
60°	3689.3	3042.2	686.5	238.9	199.6	178.4	163.3	154.2	145.2	142.1	142.1
62.5°	4082.4	3417.1	925.3	235.9	193.5	166.3	151.2	139.1	133.1	130.0	130.0
65°	4530.0	3834.5	1158.2	248.0	190.5	157.2	139.1	127.0	121.0	117.9	117.9
67.5°	4920.1	4197.3	1294.3	278.2	199.6	145.2	124.0	114.9	111.9	108.9	108.9
70°	5204.3	4309.2	867.9	305.4	214.7	136.1	111.9	105.8	99.8	99.8	99.8
72.5°	4823.3	3846.5	514.1	287.3	202.6	127.0	99.8	93.7	90.7	90.7	87.7
75°	4124.8	3275.0	396.1	232.8	163.3	108.9	87.7	81.6	78.6	78.6	75.6
77.5°	3045.2	2346.6	293.3	184.5	127.0	87.7	75.6	72.6	69.6	66.5	66.5
80°	1191.5	1028.2	199.6	136.1	93.7	69.6	63.5	60.5	57.5	54.4	54.4
82.5°	368.9	311.5	114.9	90.7	66.5	54.4	51.4	48.4	45.4	42.3	42.3
85°	160.3	154.2	75.6	57.5	45.4	36.3	36.3	33.3	30.2	27.2	27.2
87.5°	78.6	75.6	42.3	27.2	24.2	18.1	18.1	15.1	12.1	12.1	12.1
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)