

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: P675439

Luminaire Tested: **CCW-SA-2B-760-U-SL2**

Issue Date: 04/25/2023

Test Information

Test Method: LM-79-08
Report Number: P675439
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-2B-760-U-SL2
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @450mA w/
SL2 distribution lens
Light Source: (32) 5700K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

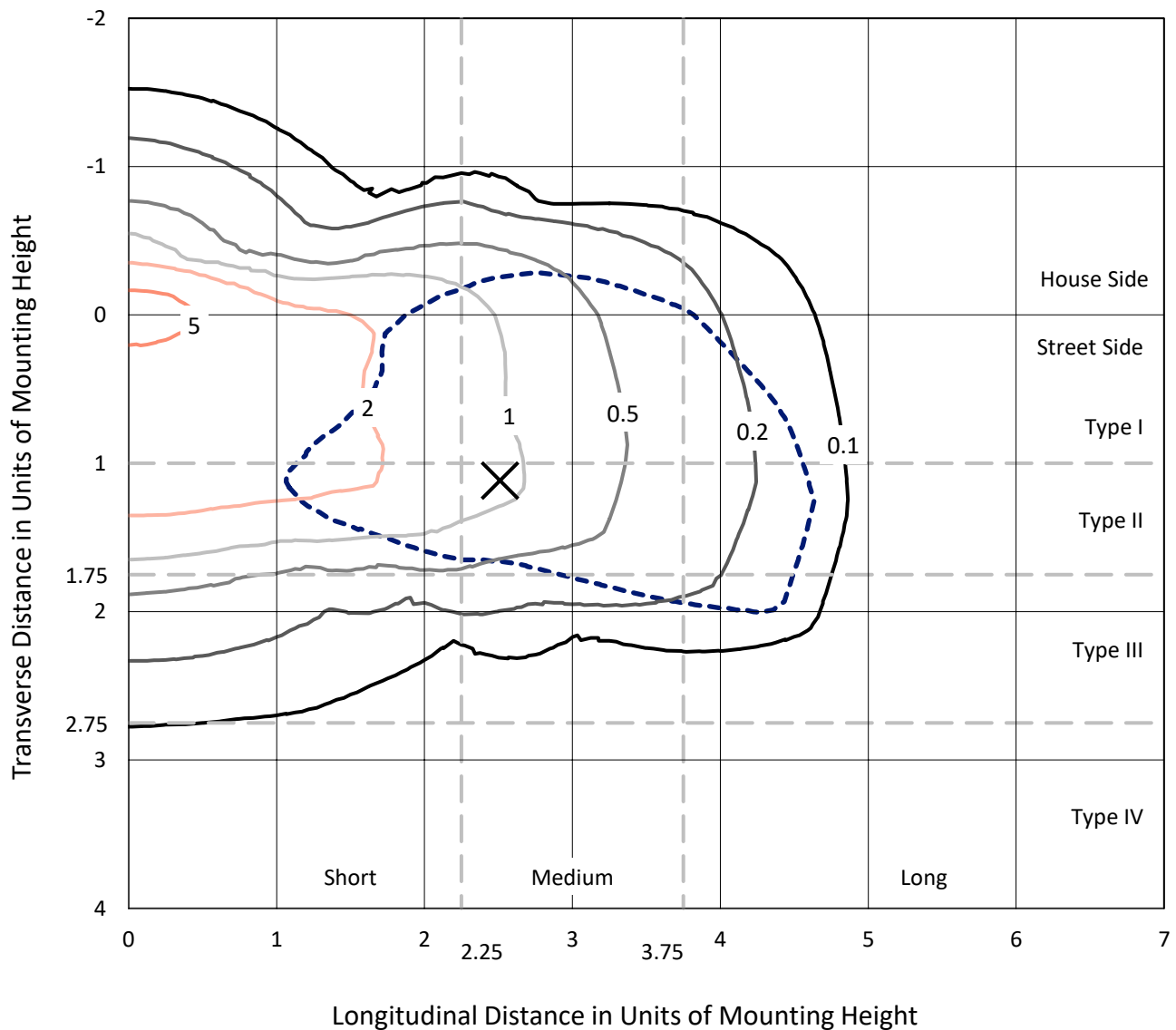
Lumens per Lamp: N/A
Luminaire Lumens: 6991.5 lumens
Efficiency: N/A
Efficacy: 152.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B2 - U0 - G2

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

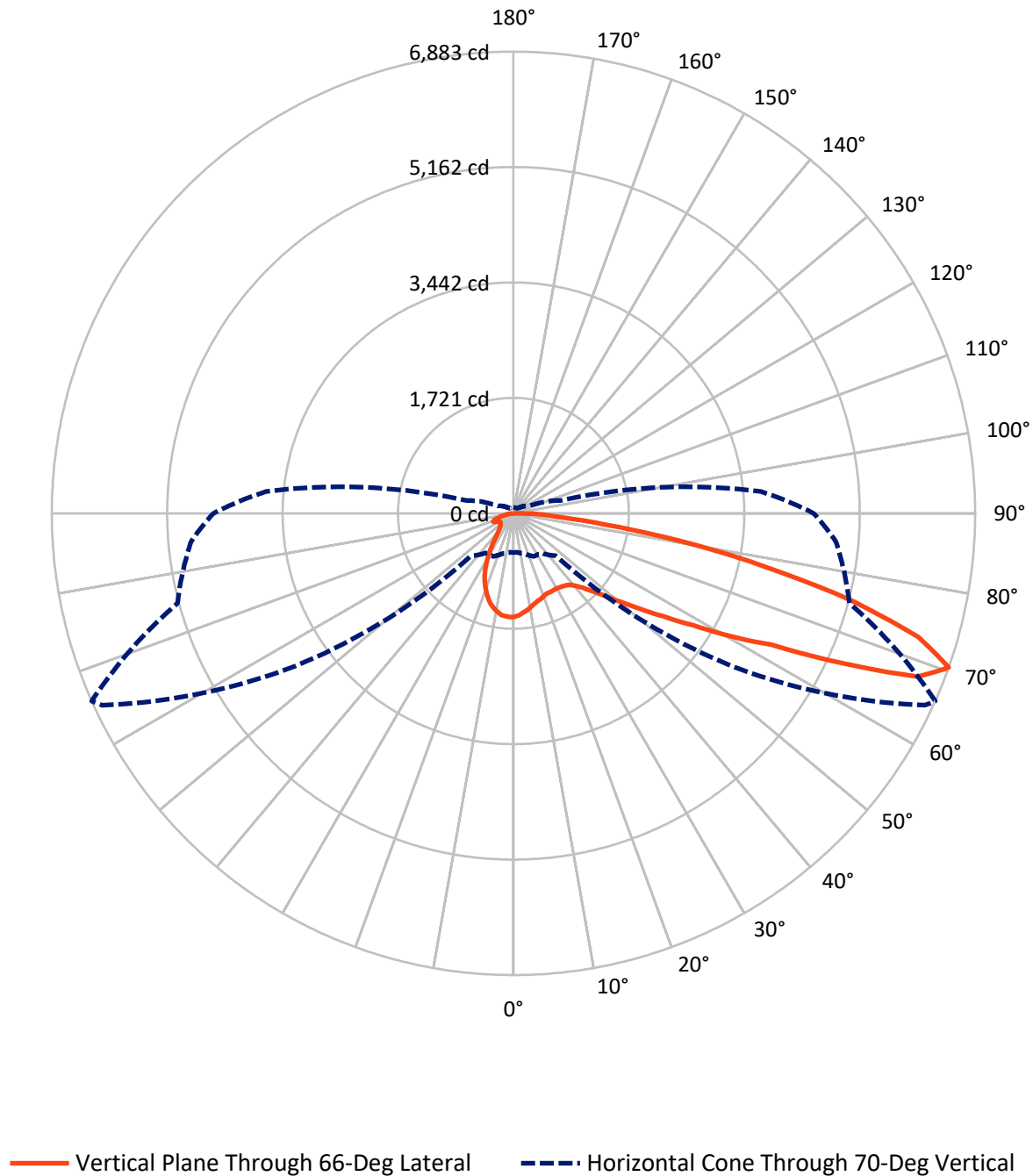
✕ Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 6.9 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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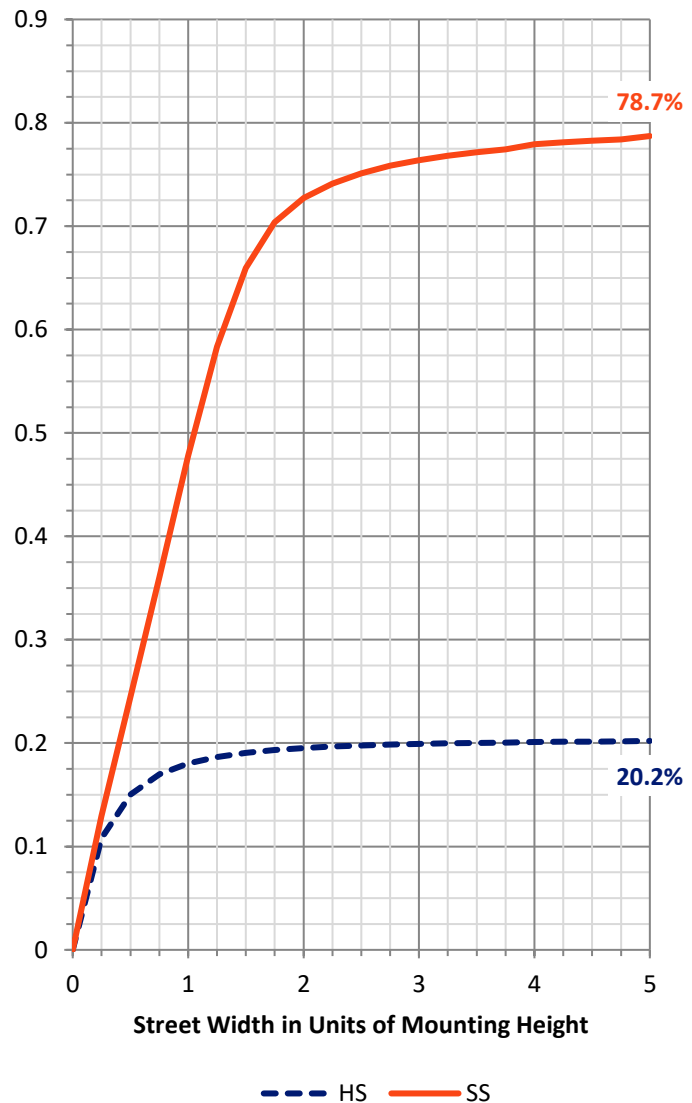
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1431.0	0.0	1431.0
	% Fixture	20.5	0.0	20.5
Street Side	Lumens	5560.4	0.0	5560.4
	% Fixture	79.5	0.0	79.5
Total	Lumens	6991.5	0.0	6991.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	136.6	2.0
10°-20°	336.2	4.8
20°-30°	461.8	6.6
30°-40°	619.1	8.9
40°-50°	898.3	12.8
50°-60°	1365.4	19.5
60°-70°	1686.3	24.1
70°-80°	1254.0	17.9
80°-90°	233.9	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°	6991.5	100.0
0°-180°	6991.5	100.0

Coefficient of Utilization



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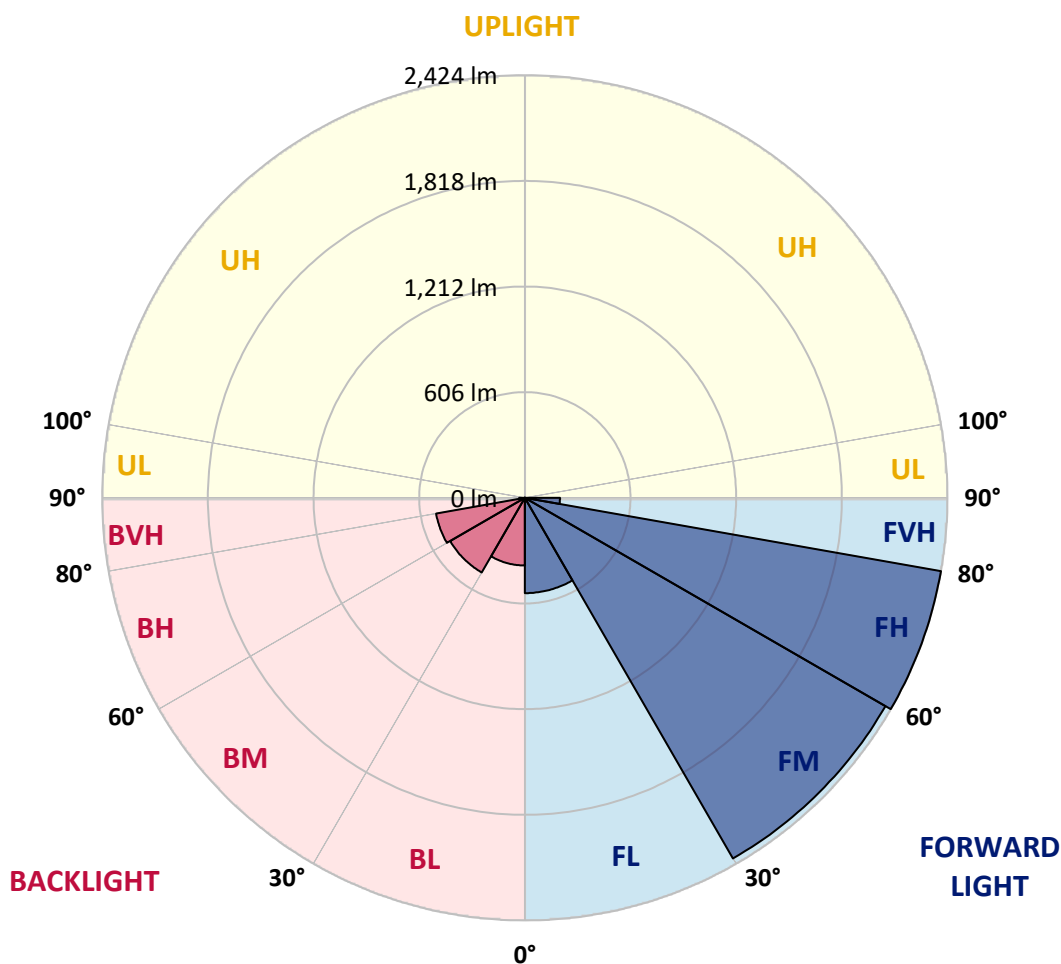
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	546.7	7.8			
FM	(30°-60°)	2388.4	34.2			
FH	(60°-80°)	2423.7	34.7			G2/5000
FVH	(80°-90°)	201.6	2.9			G2/225
BL	(0°-30°)	387.9	5.5	B1/500		
BM	(30°-60°)	494.3	7.1	B1/1000		
BH	(60°-80°)	516.6	7.4	B2/1000		G2/1000
BVH	(80°-90°)	32.3	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-G2

Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	1544.6	1544.6	1544.6	1544.6	1544.6	1544.6	1544.6	1544.6	1544.6	1544.6	1544.6
2.5°	1469.2	1477.0	1479.6	1484.8	1497.8	1508.2	1523.8	1531.6	1523.8	1534.2	1534.2
5°	1367.8	1357.4	1383.4	1393.8	1409.4	1430.2	1466.6	1495.2	1487.4	1518.6	1544.6
7.5°	1282.0	1282.0	1289.8	1313.2	1331.4	1362.6	1401.6	1445.8	1458.8	1500.4	1539.4
10°	1204.0	1214.4	1214.4	1250.8	1261.2	1297.6	1362.6	1417.2	1419.8	1490.0	1544.6
12.5°	1162.4	1157.2	1183.2	1193.6	1224.8	1261.2	1313.2	1380.8	1383.4	1458.8	1534.2
15°	1128.6	1133.8	1146.8	1172.8	1201.4	1230.0	1279.4	1341.8	1354.8	1443.2	1529.0
17.5°	1131.2	1133.8	1133.8	1152.0	1175.4	1209.2	1256.0	1328.8	1336.6	1422.4	1521.2
20°	1146.8	1136.4	1144.2	1152.0	1167.6	1198.8	1237.8	1300.2	1308.0	1419.8	1539.4
22.5°	1180.6	1172.8	1170.2	1167.6	1165.0	1183.2	1232.6	1284.6	1292.4	1406.8	1547.2
25°	1235.2	1232.6	1214.4	1196.2	1183.2	1183.2	1222.2	1297.6	1295.0	1406.8	1552.4
27.5°	1300.2	1300.2	1297.6	1263.8	1224.8	1204.0	1230.0	1292.4	1289.8	1406.8	1565.4
30°	1388.6	1388.6	1380.8	1349.6	1279.4	1219.6	1235.2	1287.2	1295.0	1396.4	1555.0
32.5°	1484.8	1482.2	1490.0	1461.4	1388.6	1292.4	1266.4	1297.6	1305.4	1406.8	1557.6
35°	1555.0	1570.6	1596.7	1570.6	1497.8	1367.8	1310.6	1318.4	1323.6	1409.4	1568.0
37.5°	1635.7	1653.9	1690.3	1711.1	1633.1	1482.2	1380.8	1352.2	1352.2	1443.2	1570.6
40°	1752.7	1734.5	1796.9	1833.3	1802.1	1622.7	1490.0	1414.6	1417.2	1487.4	1604.5
42.5°	1838.5	1856.7	1921.7	1986.7	1947.7	1794.3	1609.7	1516.0	1516.0	1552.4	1656.5
45°	1934.7	1955.5	2046.5	2124.5	2153.1	1999.7	1773.5	1661.7	1656.5	1679.9	1750.1
47.5°	2041.3	2069.9	2173.9	2265.0	2340.4	2212.9	1984.1	1838.5	1835.9	1854.1	1906.1
50°	2163.5	2173.9	2259.8	2426.2	2577.0	2496.4	2241.6	2088.1	2075.1	2082.9	2153.1
52.5°	2199.9	2192.1	2291.0	2470.4	2746.0	2842.2	2592.6	2371.6	2366.4	2348.2	2439.2
55°	2067.3	2093.3	2189.5	2418.4	2883.9	3250.5	2977.5	2759.0	2712.2	2662.8	2772.0
57.5°	1802.1	1804.7	1913.9	2184.3	2777.2	3588.6	3630.2	3138.7	3141.3	3008.7	3133.5
60°	1401.6	1393.8	1479.6	1724.1	2473.0	3692.6	4342.7	3744.6	3718.6	3354.5	3468.9
62.5°	1011.6	996.0	1014.2	1157.2	1848.9	3534.0	5042.2	4423.3	4314.1	3708.2	3796.6
65°	832.1	839.9	847.7	855.5	1037.6	2915.1	5258.0	5531.1	5385.4	4121.6	4158.1
67.5°	689.1	694.3	728.1	774.9	769.7	1721.5	5008.4	6555.6	6501.0	4633.9	4470.1
70°	585.1	582.5	621.5	707.3	720.3	894.5	3965.6	6766.3	6883.3	5185.2	4823.8
72.5°	468.1	473.3	507.1	621.5	707.3	754.1	2283.2	6313.8	6311.2	5609.1	4633.9
75°	335.5	335.5	382.3	514.9	683.9	746.3	1263.8	5125.4	5221.6	5271.0	4020.2
77.5°	221.0	231.4	267.8	384.9	642.3	730.7	800.9	3726.4	3846.0	3942.2	3076.3
80°	150.8	156.0	179.4	267.8	543.5	735.9	655.3	2506.8	2553.6	2176.5	1248.2
82.5°	91.0	93.6	119.6	187.2	390.1	699.5	616.3	1383.4	1354.8	657.9	358.9
85°	49.4	52.0	75.4	124.8	257.4	611.1	605.9	678.7	631.9	241.8	150.8
87.5°	18.2	18.2	33.8	62.4	148.2	418.7	527.9	403.1	377.1	122.2	70.2
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°	1544.6	1544.6	1544.6	1544.6	1544.6	1544.6	1544.6	1544.6	1544.6	1544.6	1544.6
2.5°	1547.2	1547.2	1547.2	1547.2	1544.6	1534.2	1542.0	1539.4	1523.8	1526.4	1516.0
5°	1542.0	1555.0	1547.2	1536.8	1523.8	1492.6	1482.2	1474.4	1453.6	1445.8	1453.6
7.5°	1555.0	1544.6	1539.4	1521.2	1469.2	1440.6	1404.2	1360.0	1328.8	1321.0	1328.8
10°	1552.4	1552.4	1529.0	1477.0	1427.6	1344.4	1297.6	1219.6	1175.4	1162.4	1165.0
12.5°	1542.0	1549.8	1513.4	1430.2	1336.6	1235.2	1149.4	1066.2	988.2	957.0	951.7
15°	1552.4	1544.6	1479.6	1373.0	1243.0	1102.6	977.8	855.5	782.7	735.9	725.5
17.5°	1536.8	1529.0	1435.4	1295.0	1120.8	941.3	785.3	652.7	579.9	561.7	561.7
20°	1555.0	1505.6	1383.4	1201.4	993.4	764.5	587.7	488.9	470.7	470.7	475.9
22.5°	1552.4	1500.4	1339.2	1110.4	839.9	577.3	436.9	408.3	410.9	431.7	429.1
25°	1536.8	1490.0	1276.8	1009.0	678.7	434.3	361.5	353.7	371.9	395.3	392.7
27.5°	1534.2	1461.4	1219.6	889.3	517.5	343.3	314.6	314.6	332.9	353.7	351.1
30°	1518.6	1438.0	1149.4	754.1	390.1	299.0	288.6	288.6	296.4	306.8	306.8
32.5°	1516.0	1406.8	1071.4	613.7	312.0	270.4	265.2	267.8	267.8	273.0	270.4
35°	1495.2	1365.2	990.8	475.9	270.4	254.8	249.6	247.0	247.0	244.4	244.4
37.5°	1487.4	1339.2	907.5	369.3	252.2	241.8	236.6	228.8	226.2	226.2	223.6
40°	1495.2	1313.2	826.9	299.0	236.6	231.4	223.6	213.2	210.6	210.6	210.6
42.5°	1523.8	1310.6	743.7	260.0	228.8	221.0	210.6	200.2	197.6	200.2	197.6
45°	1588.8	1331.4	663.1	241.8	218.4	210.6	197.6	189.8	187.2	189.8	189.8
47.5°	1695.5	1388.6	590.3	231.4	210.6	200.2	187.2	179.4	179.4	179.4	179.4
50°	1872.3	1497.8	520.1	223.6	205.4	192.4	179.4	169.0	166.4	166.4	169.0
52.5°	2137.5	1685.1	462.9	218.4	197.6	182.0	169.0	161.2	156.0	153.4	156.0
55°	2457.4	1958.1	444.7	213.2	187.2	174.2	161.2	150.8	145.6	145.6	143.0
57.5°	2800.6	2259.8	475.9	208.0	179.4	163.8	150.8	140.4	135.2	132.6	132.6
60°	3172.5	2616.0	590.3	205.4	171.6	153.4	140.4	132.6	124.8	122.2	122.2
62.5°	3510.6	2938.5	795.7	202.8	166.4	143.0	130.0	119.6	114.4	111.8	111.8
65°	3895.4	3297.3	996.0	213.2	163.8	135.2	119.6	109.2	104.0	101.4	101.4
67.5°	4230.9	3609.4	1113.0	239.2	171.6	124.8	106.6	98.8	96.2	93.6	93.6
70°	4475.3	3705.6	746.3	262.6	184.6	117.0	96.2	91.0	85.8	85.8	85.8
72.5°	4147.7	3307.7	442.1	247.0	174.2	109.2	85.8	80.6	78.0	78.0	75.4
75°	3547.0	2816.2	340.7	200.2	140.4	93.6	75.4	70.2	67.6	67.6	65.0
77.5°	2618.6	2017.9	252.2	158.6	109.2	75.4	65.0	62.4	59.8	57.2	57.2
80°	1024.6	884.1	171.6	117.0	80.6	59.8	54.6	52.0	49.4	46.8	46.8
82.5°	317.2	267.8	98.8	78.0	57.2	46.8	44.2	41.6	39.0	36.4	36.4
85°	137.8	132.6	65.0	49.4	39.0	31.2	31.2	28.6	26.0	23.4	23.4
87.5°	67.6	65.0	36.4	23.4	20.8	15.6	15.6	13.0	10.4	10.4	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

(END OF REPORT)