

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: P675404

Luminaire Tested: **CCW-SA-1F-735-U-SL2**

Issue Date: 04/25/2023

Test Information

Test Method: LM-79-08
Report Number: P675404
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-1F-735-U-SL2
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @1200mA w/
SL2 distribution lens
Light Source: (16) 3500K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

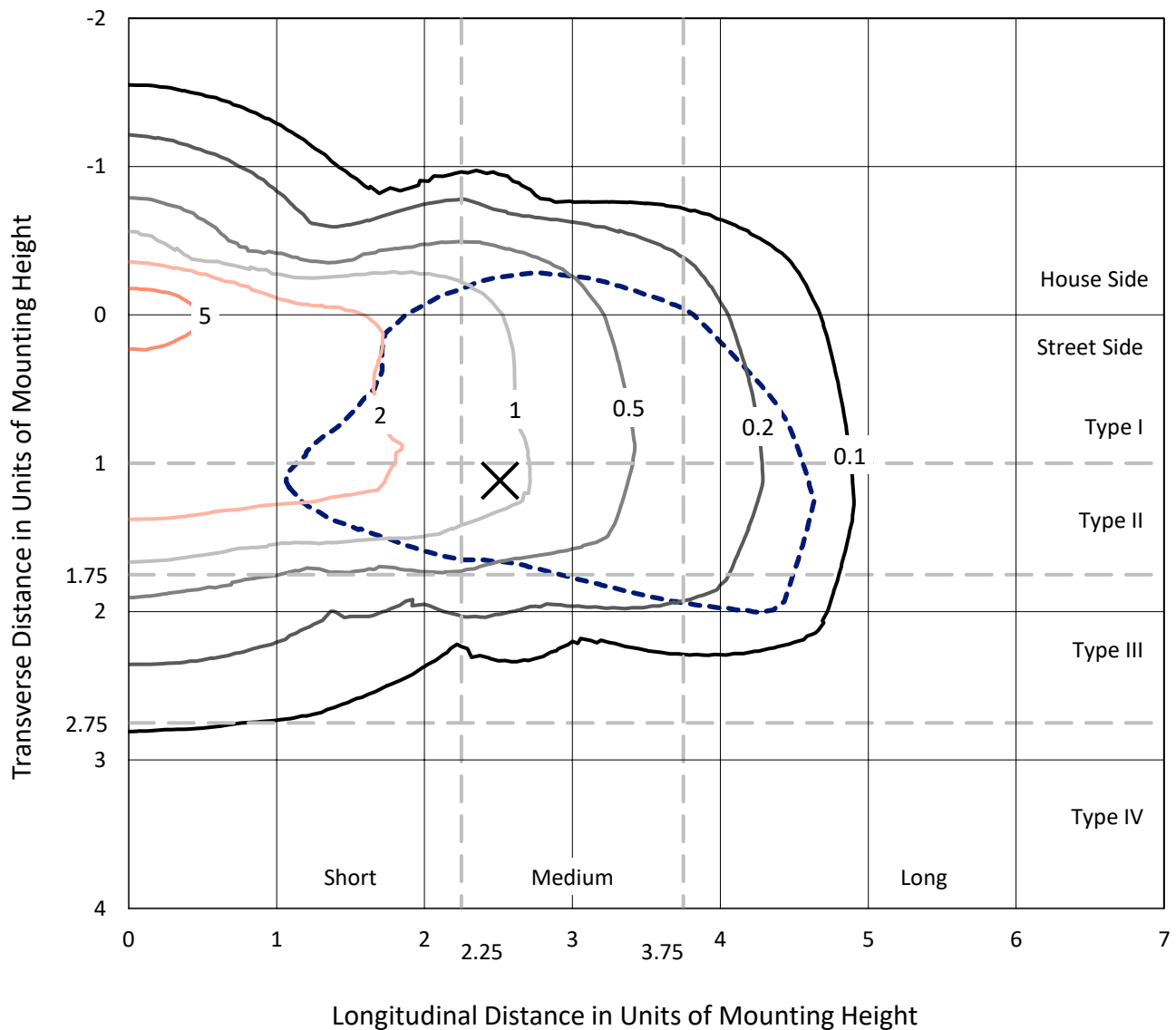
Lumens per Lamp: N/A
Luminaire Lumens: 7318.7 lumens
Efficiency: N/A
Efficacy: 109.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B2 - U0 - G2

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

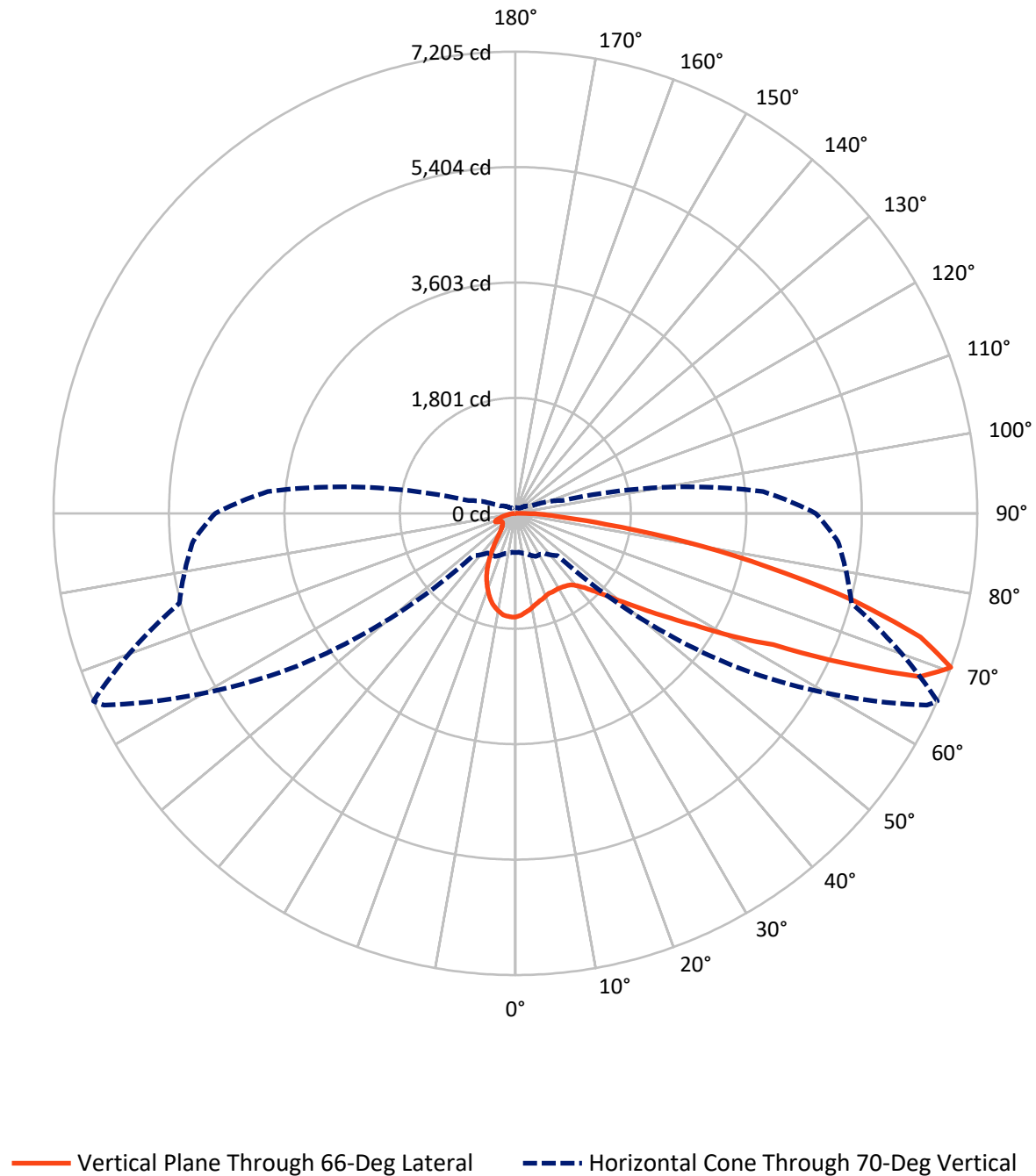
✕ Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 7.2 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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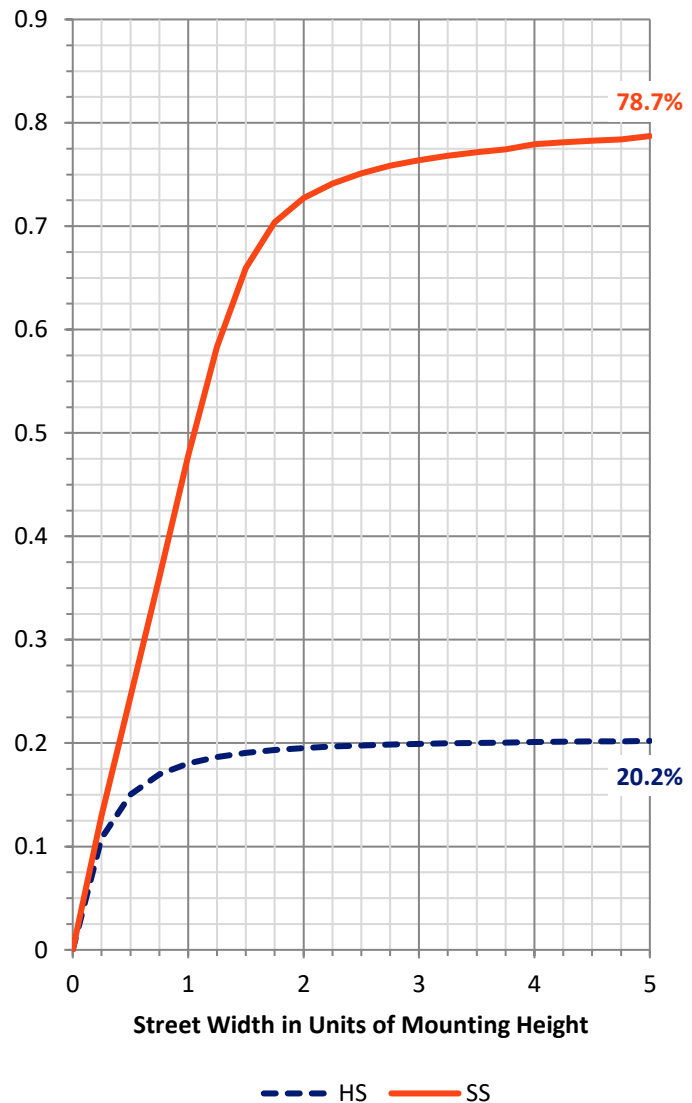
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1498.0	0.0	1498.0
	% Fixture	20.5	0.0	20.5
Street Side	Lumens	5820.7	0.0	5820.7
	% Fixture	79.5	0.0	79.5
Total	Lumens	7318.7	0.0	7318.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	143.0	2.0
10°-20°	352.0	4.8
20°-30°	483.4	6.6
30°-40°	648.1	8.9
40°-50°	940.3	12.8
50°-60°	1429.3	19.5
60°-70°	1765.2	24.1
70°-80°	1312.7	17.9
80°-90°	244.9	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°	7318.7	100.0
0°-180°	7318.7	100.0

Coefficient of Utilization



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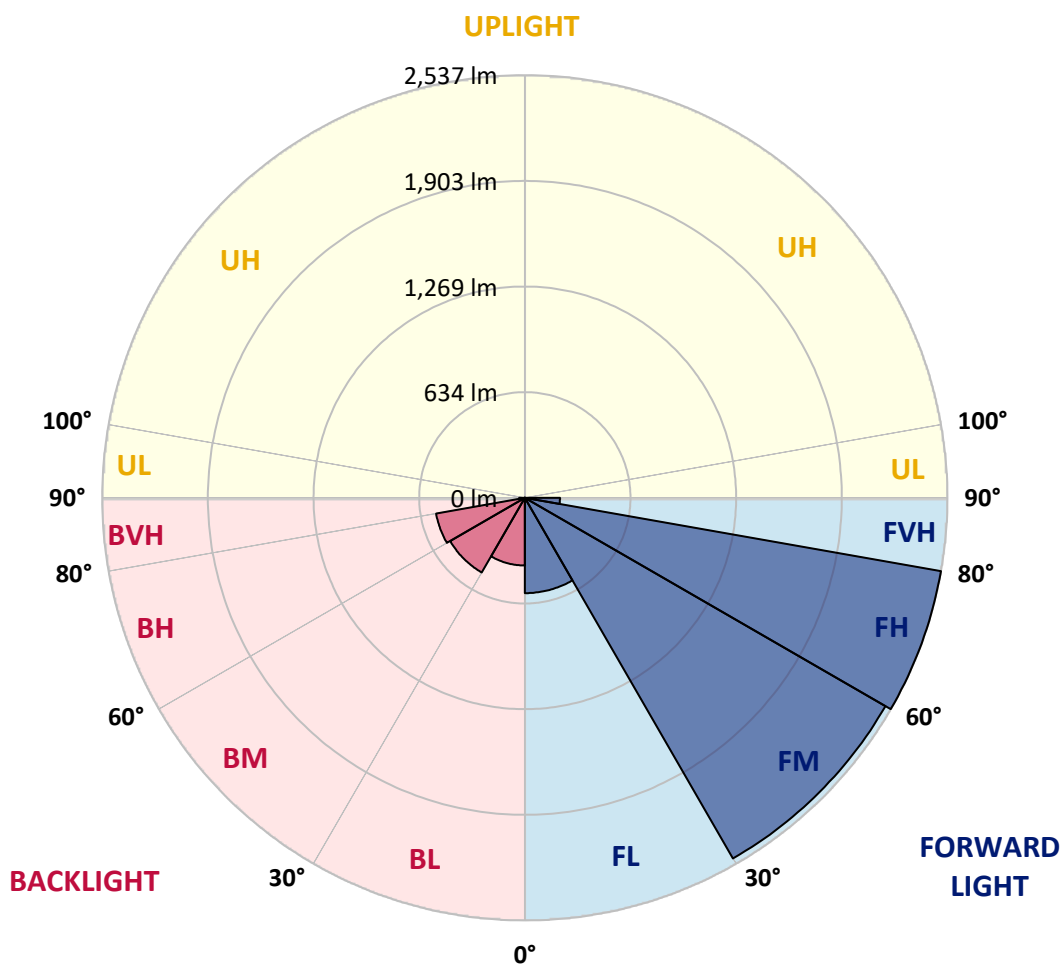
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	572.3	7.8			
FM	(30°-60°)	2500.2	34.2			
FH	(60°-80°)	2537.2	34.7			G2/5000
FVH	(80°-90°)	211.1	2.9			G2/225
BL	(0°-30°)	406.0	5.5	B1/500		
BM	(30°-60°)	517.5	7.1	B1/1000		
BH	(60°-80°)	540.8	7.4	B2/1000		G2/1000
BVH	(80°-90°)	33.8	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°	1616.9	1616.9	1616.9	1616.9	1616.9	1616.9	1616.9	1616.9	1616.9	1616.9	1616.9
2.5°	1538.0	1546.2	1548.9	1554.3	1567.9	1578.8	1595.2	1603.3	1595.2	1606.0	1606.0
5°	1431.8	1420.9	1448.2	1459.0	1475.4	1497.2	1535.3	1565.2	1557.0	1589.7	1616.9
7.5°	1342.0	1342.0	1350.2	1374.7	1393.7	1426.4	1467.2	1513.5	1527.1	1570.7	1611.5
10°	1260.3	1271.2	1271.2	1309.3	1320.2	1358.3	1426.4	1483.5	1486.3	1559.8	1616.9
12.5°	1216.8	1211.3	1238.6	1249.4	1282.1	1320.2	1374.7	1445.4	1448.2	1527.1	1606.0
15°	1181.4	1186.8	1200.4	1227.7	1257.6	1287.6	1339.3	1404.6	1418.2	1510.8	1600.6
17.5°	1184.1	1186.8	1186.8	1205.9	1230.4	1265.8	1314.8	1391.0	1399.2	1489.0	1592.4
20°	1200.4	1189.6	1197.7	1205.9	1222.2	1254.9	1295.7	1361.1	1369.2	1486.3	1611.5
22.5°	1235.8	1227.7	1224.9	1222.2	1219.5	1238.6	1290.3	1344.7	1352.9	1472.7	1619.7
25°	1293.0	1290.3	1271.2	1252.2	1238.6	1238.6	1279.4	1358.3	1355.6	1472.7	1625.1
27.5°	1361.1	1361.1	1358.3	1322.9	1282.1	1260.3	1287.6	1352.9	1350.2	1472.7	1638.7
30°	1453.6	1453.6	1445.4	1412.8	1339.3	1276.7	1293.0	1347.4	1355.6	1461.8	1627.8
32.5°	1554.3	1551.6	1559.8	1529.8	1453.6	1352.9	1325.7	1358.3	1366.5	1472.7	1630.5
35°	1627.8	1644.2	1671.4	1644.2	1567.9	1431.8	1371.9	1380.1	1385.6	1475.4	1641.4
37.5°	1712.2	1731.3	1769.4	1791.1	1709.5	1551.6	1445.4	1415.5	1415.5	1510.8	1644.2
40°	1834.7	1815.6	1881.0	1919.1	1886.4	1698.6	1559.8	1480.8	1483.5	1557.0	1679.5
42.5°	1924.5	1943.6	2011.6	2079.7	2038.9	1878.3	1685.0	1587.0	1587.0	1625.1	1734.0
45°	2025.2	2047.0	2142.3	2224.0	2253.9	2093.3	1856.5	1739.4	1734.0	1758.5	1832.0
47.5°	2136.9	2166.8	2275.7	2371.0	2449.9	2316.5	2077.0	1924.5	1921.8	1940.9	1995.3
50°	2264.8	2275.7	2365.5	2539.7	2697.6	2613.2	2346.5	2185.8	2172.2	2180.4	2253.9
52.5°	2302.9	2294.7	2398.2	2586.0	2874.5	2975.3	2713.9	2482.6	2477.1	2458.1	2553.3
55°	2164.1	2191.3	2292.0	2531.6	3018.8	3402.6	3116.8	2888.2	2839.2	2787.4	2901.8
57.5°	1886.4	1889.1	2003.5	2286.6	2907.2	3756.5	3800.1	3285.6	3288.3	3149.5	3280.1
60°	1467.2	1459.0	1548.9	1804.8	2588.7	3865.4	4545.9	3919.8	3892.6	3511.5	3631.3
62.5°	1058.9	1042.6	1061.6	1211.3	1935.4	3699.3	5278.2	4630.3	4516.0	3881.7	3974.3
65°	871.1	879.2	887.4	895.6	1086.1	3051.5	5504.1	5789.9	5637.5	4314.5	4352.6
67.5°	721.4	726.8	762.2	811.2	805.7	1802.0	5242.8	6862.4	6805.3	4850.8	4679.3
70°	612.5	609.8	650.6	740.4	754.0	936.4	4151.2	7082.9	7205.4	5427.9	5049.5
72.5°	490.0	495.4	530.8	650.6	740.4	789.4	2390.0	6609.3	6606.5	5871.6	4850.8
75°	351.2	351.2	400.1	539.0	715.9	781.2	1322.9	5365.3	5466.0	5517.7	4208.4
77.5°	231.4	242.3	280.4	402.9	672.4	764.9	838.4	3900.8	4026.0	4126.7	3220.2
80°	157.9	163.3	187.8	280.4	568.9	770.4	686.0	2624.1	2673.1	2278.4	1306.6
82.5°	95.3	98.0	125.2	196.0	408.3	732.2	645.1	1448.2	1418.2	688.7	375.7
85°	51.7	54.4	78.9	130.7	269.5	639.7	634.3	710.5	661.5	253.2	157.9
87.5°	19.1	19.1	35.4	65.3	155.2	438.3	552.6	421.9	394.7	127.9	73.5
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°	1616.9	1616.9	1616.9	1616.9	1616.9	1616.9	1616.9	1616.9	1616.9	1616.9	1616.9
2.5°	1619.7	1619.7	1619.7	1619.7	1616.9	1606.0	1614.2	1611.5	1595.2	1597.9	1587.0
5°	1614.2	1627.8	1619.7	1608.8	1595.2	1562.5	1551.6	1543.4	1521.7	1513.5	1521.7
7.5°	1627.8	1616.9	1611.5	1592.4	1538.0	1508.0	1469.9	1423.7	1391.0	1382.8	1391.0
10°	1625.1	1625.1	1600.6	1546.2	1494.4	1407.3	1358.3	1276.7	1230.4	1216.8	1219.5
12.5°	1614.2	1622.4	1584.3	1497.2	1399.2	1293.0	1203.2	1116.1	1034.4	1001.7	996.3
15°	1625.1	1616.9	1548.9	1437.3	1301.2	1154.2	1023.5	895.6	819.4	770.4	759.5
17.5°	1608.8	1600.6	1502.6	1355.6	1173.2	985.4	822.1	683.2	607.0	588.0	588.0
20°	1627.8	1576.1	1448.2	1257.6	1039.8	800.3	615.2	511.8	492.7	492.7	498.1
22.5°	1625.1	1570.7	1401.9	1162.3	879.2	604.3	457.3	427.4	430.1	451.9	449.1
25°	1608.8	1559.8	1336.6	1056.2	710.5	454.6	378.4	370.2	389.3	413.8	411.0
27.5°	1606.0	1529.8	1276.7	931.0	541.7	359.3	329.4	329.4	348.4	370.2	367.5
30°	1589.7	1505.3	1203.2	789.4	408.3	313.0	302.2	302.2	310.3	321.2	321.2
32.5°	1587.0	1472.7	1121.5	642.4	326.7	283.1	277.7	280.4	280.4	285.8	283.1
35°	1565.2	1429.1	1037.1	498.1	283.1	266.8	261.3	258.6	258.6	255.9	255.9
37.5°	1557.0	1401.9	950.0	386.5	264.0	253.2	247.7	239.5	236.8	236.8	234.1
40°	1565.2	1374.7	865.6	313.0	247.7	242.3	234.1	223.2	220.5	220.5	220.5
42.5°	1595.2	1371.9	778.5	272.2	239.5	231.4	220.5	209.6	206.9	209.6	206.9
45°	1663.2	1393.7	694.1	253.2	228.7	220.5	206.9	198.7	196.0	198.7	198.7
47.5°	1774.8	1453.6	617.9	242.3	220.5	209.6	196.0	187.8	187.8	187.8	187.8
50°	1959.9	1567.9	544.4	234.1	215.0	201.4	187.8	176.9	174.2	174.2	176.9
52.5°	2237.6	1763.9	484.5	228.7	206.9	190.5	176.9	168.8	163.3	160.6	163.3
55°	2572.4	2049.7	465.5	223.2	196.0	182.4	168.8	157.9	152.4	152.4	149.7
57.5°	2931.7	2365.5	498.1	217.8	187.8	171.5	157.9	147.0	141.5	138.8	138.8
60°	3321.0	2738.4	617.9	215.0	179.7	160.6	147.0	138.8	130.7	127.9	127.9
62.5°	3674.8	3076.0	833.0	212.3	174.2	149.7	136.1	125.2	119.8	117.1	117.1
65°	4077.7	3451.6	1042.6	223.2	171.5	141.5	125.2	114.3	108.9	106.2	106.2
67.5°	4428.9	3778.3	1165.1	250.4	179.7	130.7	111.6	103.4	100.7	98.0	98.0
70°	4684.7	3879.0	781.2	274.9	193.3	122.5	100.7	95.3	89.8	89.8	89.8
72.5°	4341.8	3462.5	462.8	258.6	182.4	114.3	89.8	84.4	81.7	81.7	78.9
75°	3713.0	2948.0	356.6	209.6	147.0	98.0	78.9	73.5	70.8	70.8	68.1
77.5°	2741.2	2112.4	264.0	166.0	114.3	78.9	68.1	65.3	62.6	59.9	59.9
80°	1072.5	925.5	179.7	122.5	84.4	62.6	57.2	54.4	51.7	49.0	49.0
82.5°	332.1	280.4	103.4	81.7	59.9	49.0	46.3	43.6	40.8	38.1	38.1
85°	144.3	138.8	68.1	51.7	40.8	32.7	32.7	29.9	27.2	24.5	24.5
87.5°	70.8	68.1	38.1	24.5	21.8	16.3	16.3	13.6	10.9	10.9	10.9
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)