

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: P676913

Luminaire Tested: **CCW-SA-2C-835-U-SL2-HSS**

Issue Date: 04/25/2023

Test Information

Test Method: LM-79-08
Report Number: P676913
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-2C-835-U-SL2-HSS
Description: INVUE CLEAR CURVE Wall Pack MOUNT Light Square Luminaire @615mA w/
SL2 distribution lens and House Side Shield
Light Source: (32) 3500K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

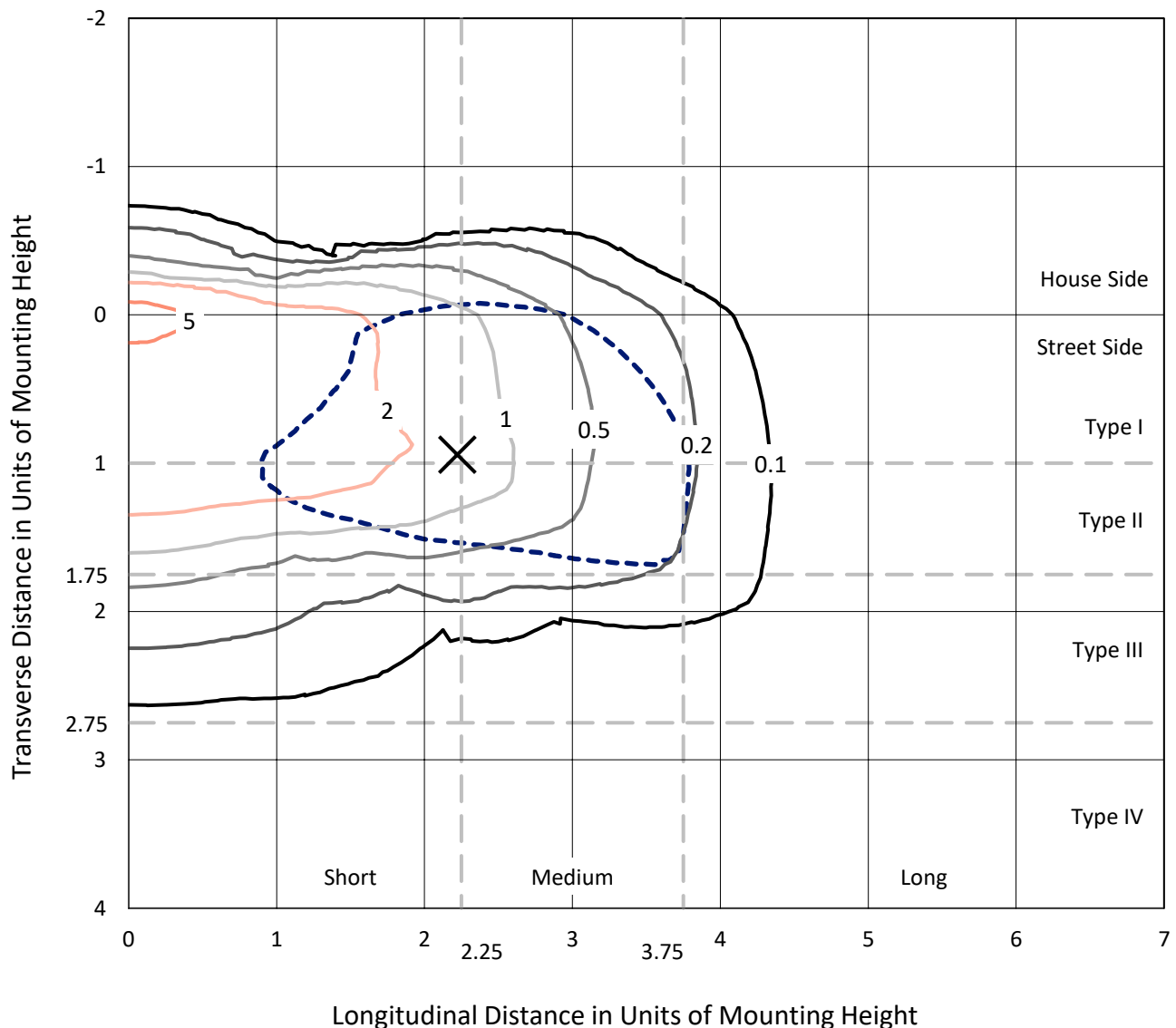
Lumens per Lamp: N/A
Luminaire Lumens: 5991.1 lumens
Efficiency: N/A
Efficacy: 96.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G2

Input Watts (W): 62.1
Input Voltage (V): 120
Input Current (A_{in}): 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

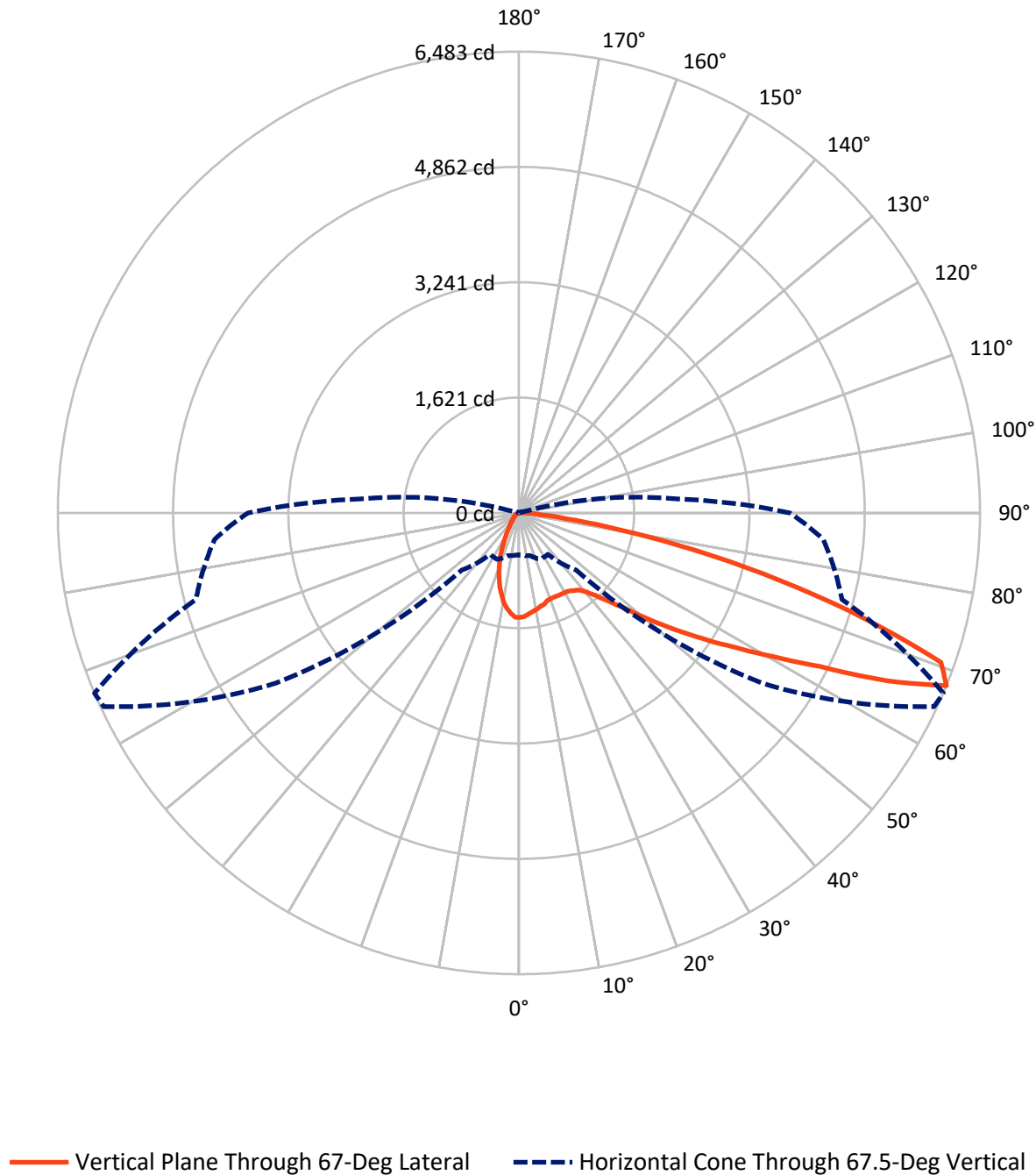
× Max cd
 --- 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 6.5 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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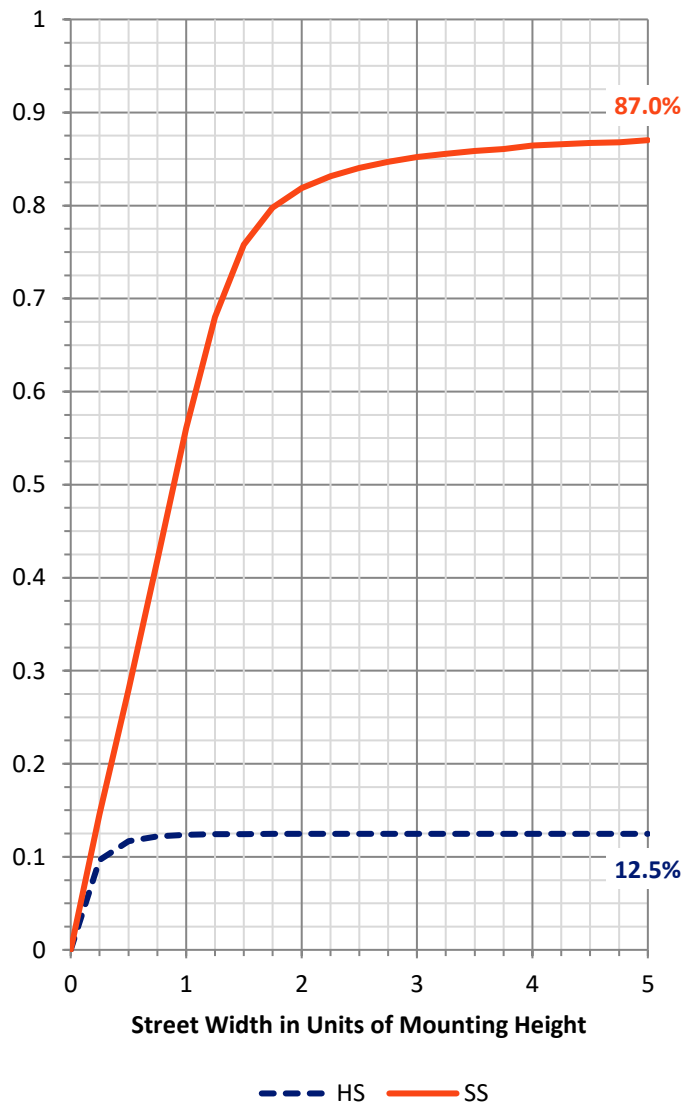
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	754.0	0.0	754.0
	% Fixture	12.6	0.0	12.6
Street Side	Lumens	5237.1	0.0	5237.1
	% Fixture	87.4	0.0	87.4
Total	Lumens	5991.1	0.0	5991.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	123.8	2.1
10°-20°	275.1	4.6
20°-30°	391.1	6.5
30°-40°	569.5	9.5
40°-50°	881.4	14.7
50°-60°	1352.7	22.6
60°-70°	1466.3	24.5
70°-80°	827.3	13.8
80°-90°	103.9	1.7
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°	5991.1	100.0
0°-180°	5991.1	100.0

Coefficient of Utilization



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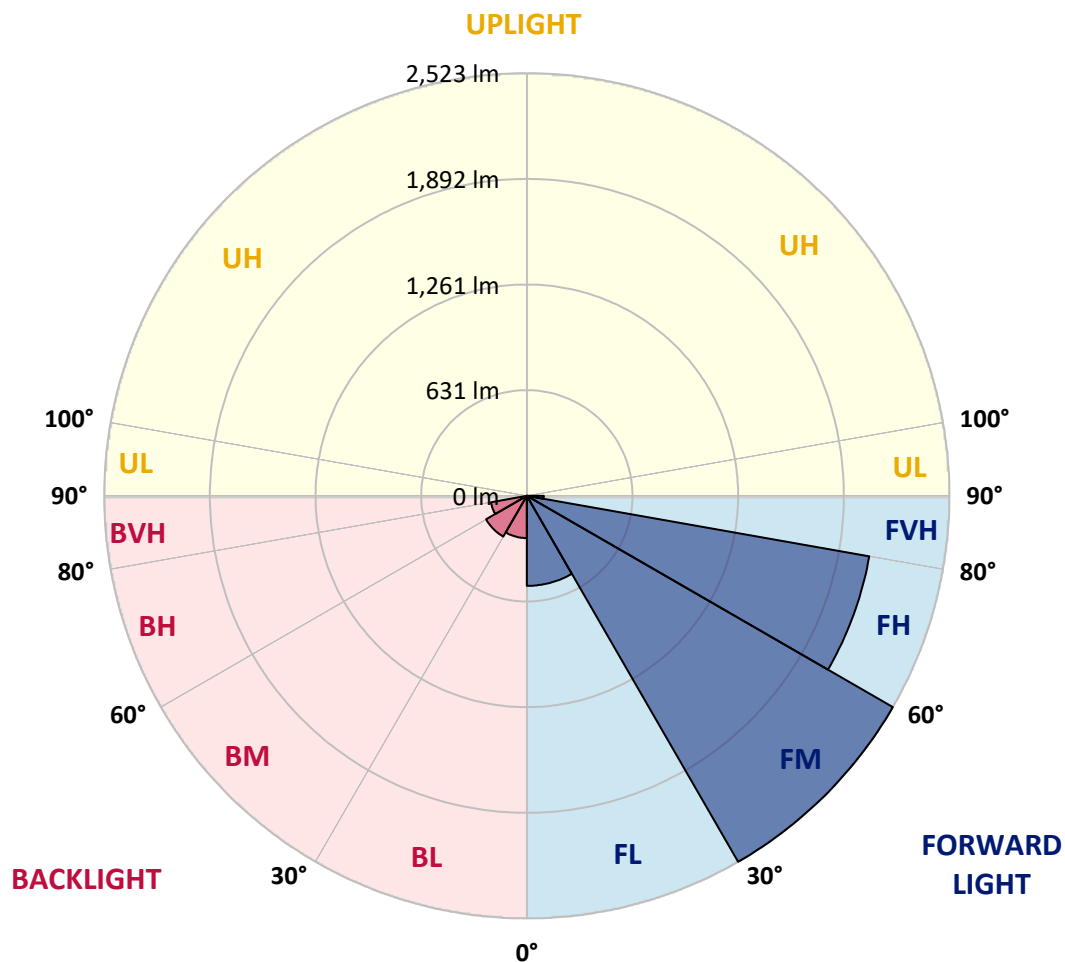
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	537.6	9.0			
FM	(30°-60°)	2522.8	42.1			
FH	(60°-80°)	2075.8	34.6			G2/5000
FVH	(80°-90°)	101.0	1.7			G2/225
BL	(0°-30°)	252.4	4.2	B1/500		
BM	(30°-60°)	280.8	4.7	B1/1000		
BH	(60°-80°)	217.8	3.6	B1/500		G1/500
BVH	(80°-90°)	3.0	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	1469.5	1469.5	1469.5	1469.5	1469.5	1469.5	1469.5	1469.5	1469.5	1469.5	1469.5
2.5°	1406.0	1413.2	1423.3	1437.8	1447.9	1442.1	1446.4	1471.0	1458.0	1469.5	1463.7
5°	1328.0	1335.3	1349.7	1348.3	1359.8	1381.5	1410.3	1442.1	1427.7	1462.3	1475.3
7.5°	1247.2	1244.3	1244.3	1274.6	1299.2	1329.5	1345.4	1397.3	1398.8	1429.1	1460.9
10°	1173.6	1182.3	1196.7	1208.2	1231.3	1274.6	1320.8	1361.3	1377.1	1437.8	1446.4
12.5°	1128.8	1133.2	1150.5	1160.6	1190.9	1232.8	1281.9	1333.8	1346.8	1408.9	1450.7
15°	1110.1	1120.2	1126.0	1144.7	1160.6	1199.6	1235.7	1294.8	1332.4	1381.5	1433.4
17.5°	1124.5	1120.2	1123.1	1128.8	1147.6	1182.3	1221.2	1280.4	1293.4	1375.7	1453.6
20°	1143.3	1144.7	1136.1	1133.2	1128.8	1162.0	1193.8	1270.3	1284.7	1375.7	1466.6
22.5°	1193.8	1177.9	1193.8	1170.7	1147.6	1162.0	1192.4	1271.8	1281.9	1374.2	1479.6
25°	1255.9	1258.8	1263.1	1214.0	1180.8	1170.7	1202.5	1276.1	1284.7	1385.8	1485.4
27.5°	1343.9	1356.9	1335.3	1310.7	1244.3	1193.8	1201.0	1273.2	1289.1	1380.0	1499.8
30°	1462.3	1452.2	1455.1	1398.8	1333.8	1254.4	1234.2	1280.4	1292.0	1387.2	1527.3
32.5°	1564.8	1553.2	1573.4	1553.2	1450.7	1341.0	1273.2	1294.8	1307.8	1404.6	1550.4
35°	1628.3	1642.7	1674.5	1696.2	1609.5	1453.6	1338.2	1333.8	1339.6	1413.2	1567.7
37.5°	1726.5	1752.4	1778.4	1833.3	1758.2	1592.2	1440.6	1384.3	1374.2	1455.1	1576.3
40°	1833.3	1826.1	1902.6	1967.5	1964.6	1787.1	1583.6	1473.8	1459.4	1521.5	1634.1
42.5°	1922.8	1915.6	2000.7	2107.6	2119.1	1974.8	1746.7	1600.9	1587.9	1624.0	1704.8
45°	2039.7	2045.5	2146.5	2273.6	2315.4	2223.0	1967.5	1782.8	1775.5	1764.0	1839.1
47.5°	2143.6	2175.4	2262.0	2412.1	2563.7	2480.0	2227.4	2048.4	1997.8	1971.9	2046.9
50°	2215.8	2244.7	2350.1	2510.3	2787.5	2840.9	2519.0	2331.3	2332.7	2269.2	2309.7
52.5°	2215.8	2214.4	2299.5	2510.3	2943.4	3217.6	2908.7	2687.9	2699.4	2633.0	2635.9
55°	2002.2	1997.8	2101.8	2325.5	2926.0	3580.0	3499.1	3139.7	3110.8	2982.3	2995.3
57.5°	1612.4	1622.5	1701.9	1970.4	2700.8	3748.9	4202.1	3647.8	3549.6	3284.0	3284.0
60°	1176.5	1167.8	1227.0	1414.7	2163.9	3685.3	4779.5	4246.9	4092.4	3533.8	3496.2
62.5°	895.0	893.5	909.4	972.9	1372.8	3213.3	5027.8	5009.1	4757.9	3779.2	3725.8
65°	723.2	726.1	747.7	792.5	838.7	2191.3	4896.5	5918.5	5689.0	4144.4	3969.7
67.5°	590.4	597.6	623.6	720.3	710.2	1134.6	4170.4	6439.6	6482.9	4701.6	4297.4
70°	454.7	466.3	496.6	633.7	684.2	755.0	2891.4	6179.8	6295.2	5048.0	4099.6
72.5°	308.9	307.5	372.4	513.9	691.5	691.5	1609.5	4977.3	5087.0	4653.9	3561.2
75°	167.4	177.6	246.8	388.3	633.7	668.4	916.6	3642.0	3796.5	3618.9	2754.3
77.5°	90.9	92.4	137.1	254.1	526.9	638.0	612.1	2477.1	2537.7	2182.6	1508.5
80°	47.6	49.1	72.2	166.0	363.8	591.8	509.6	1476.7	1419.0	837.2	498.0
82.5°	21.7	23.1	36.1	103.9	232.4	466.3	440.3	713.1	658.3	233.9	151.6
85°	8.7	8.7	15.9	62.1	135.7	229.5	376.8	358.0	298.8	70.7	75.1
87.5°	2.9	2.9	4.3	24.5	54.9	137.1	200.7	189.1	129.9	26.0	40.4
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°	1469.5	1469.5	1469.5	1469.5	1469.5	1469.5	1469.5	1469.5	1469.5	1469.5	1469.5
2.5°	1458.0	1473.8	1469.5	1466.6	1439.2	1436.3	1433.4	1407.4	1416.1	1394.5	1408.9
5°	1466.6	1475.3	1452.2	1408.9	1369.9	1326.6	1293.4	1270.3	1228.4	1212.6	1209.7
7.5°	1458.0	1458.0	1410.3	1341.0	1264.5	1193.8	1104.3	1040.8	993.2	957.1	970.1
10°	1446.4	1429.1	1380.0	1257.3	1118.7	1011.9	883.4	789.6	718.9	695.8	681.3
12.5°	1446.4	1416.1	1306.4	1138.9	959.9	798.3	645.3	522.6	454.7	414.3	408.5
15°	1433.4	1388.7	1253.0	1027.8	805.5	586.1	411.4	306.0	248.3	232.4	226.6
17.5°	1436.3	1382.9	1173.6	896.4	625.0	389.8	251.2	193.4	179.0	171.8	173.2
20°	1442.1	1382.9	1102.9	768.0	450.4	242.5	173.2	163.1	155.9	153.0	154.5
22.5°	1460.9	1355.5	1030.7	636.6	304.6	174.7	153.0	142.9	137.1	132.8	131.4
25°	1463.7	1351.1	961.4	506.7	209.3	147.2	134.2	122.7	115.5	109.7	108.3
27.5°	1459.4	1332.4	864.7	376.8	157.3	131.4	114.0	102.5	92.4	88.1	86.6
30°	1475.3	1297.7	782.4	271.4	132.8	114.0	96.7	83.7	75.1	69.3	69.3
32.5°	1476.7	1267.4	691.5	193.4	121.3	101.0	82.3	67.8	59.2	56.3	56.3
35°	1478.2	1240.0	590.4	147.2	108.3	86.6	67.8	56.3	50.5	46.2	46.2
37.5°	1482.5	1219.8	498.0	124.1	96.7	73.6	56.3	46.2	40.4	39.0	39.0
40°	1491.2	1192.4	401.3	109.7	83.7	62.1	47.6	39.0	33.2	31.8	30.3
42.5°	1514.3	1185.1	320.5	98.2	75.1	52.0	39.0	31.8	27.4	24.5	23.1
45°	1609.5	1203.9	248.3	90.9	63.5	43.3	33.2	26.0	20.2	18.8	17.3
47.5°	1765.4	1266.0	196.3	80.8	53.4	36.1	27.4	20.2	15.9	14.4	13.0
50°	2002.2	1407.4	160.2	72.2	44.7	30.3	21.7	15.9	11.5	10.1	10.1
52.5°	2312.5	1598.0	138.6	63.5	36.1	26.0	17.3	11.5	8.7	7.2	7.2
55°	2630.1	1823.2	129.9	54.9	30.3	21.7	13.0	8.7	5.8	4.3	4.3
57.5°	2921.7	1969.0	125.6	44.7	26.0	15.9	10.1	5.8	2.9	1.4	1.4
60°	3103.6	2075.8	112.6	36.1	20.2	13.0	7.2	2.9	1.4	0.0	0.0
62.5°	3343.2	2184.1	92.4	27.4	14.4	8.7	4.3	1.4	0.0	0.0	0.0
65°	3659.4	2305.3	72.2	21.7	11.5	5.8	2.9	1.4	0.0	0.0	0.0
67.5°	3810.9	2241.8	49.1	15.9	7.2	2.9	1.4	0.0	0.0	0.0	0.0
70°	3507.8	1888.1	34.6	11.5	4.3	1.4	1.4	0.0	0.0	0.0	0.0
72.5°	2949.1	1479.6	26.0	7.2	2.9	1.4	0.0	0.0	0.0	0.0	0.0
75°	2174.0	925.3	20.2	5.8	2.9	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	1153.4	345.0	14.4	4.3	1.4	0.0	0.0	0.0	0.0	0.0	0.0
80°	340.7	101.0	10.1	2.9	1.4	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	112.6	30.3	5.8	2.9	1.4	0.0	0.0	0.0	0.0	0.0	0.0
85°	57.7	11.5	2.9	2.9	1.4	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	33.2	4.3	2.9	2.9	1.4	0.0	0.0	0.0	0.0	0.0	0.0
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)