

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: P675462

Luminaire Tested: **CCW-SA-2C-830-U-SL2**

Issue Date: 04/25/2023

Test Information

Test Method: LM-79-08
Report Number: P675462
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-2C-830-U-SL2
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @615mA w/
SL2 distribution lens
Light Source: (32) 3000K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

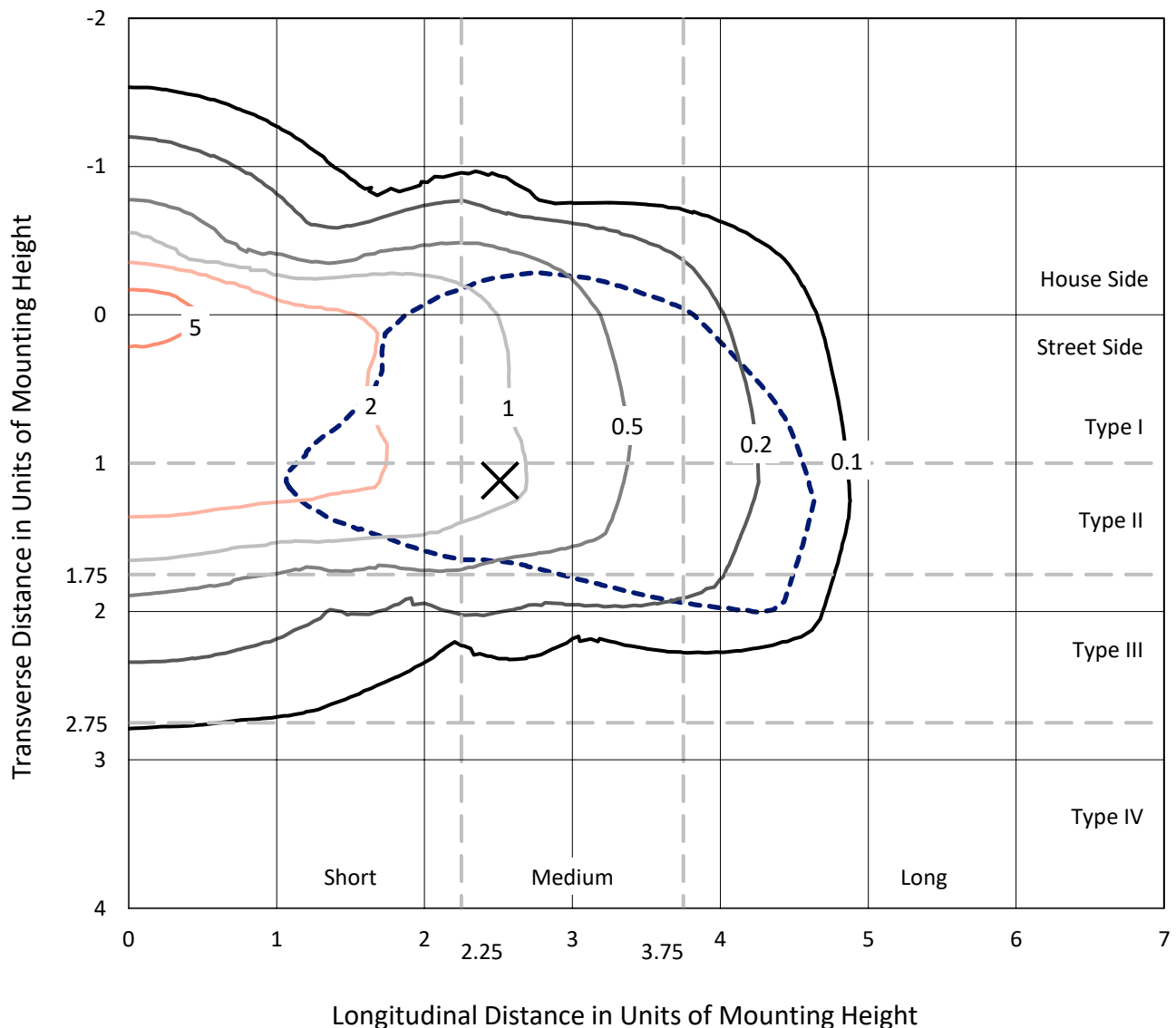
Lumens per Lamp: N/A
Luminaire Lumens: 7110.3 lumens
Efficiency: N/A
Efficacy: 114.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B2 - U0 - G2

Input Watts (W): 62.1
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

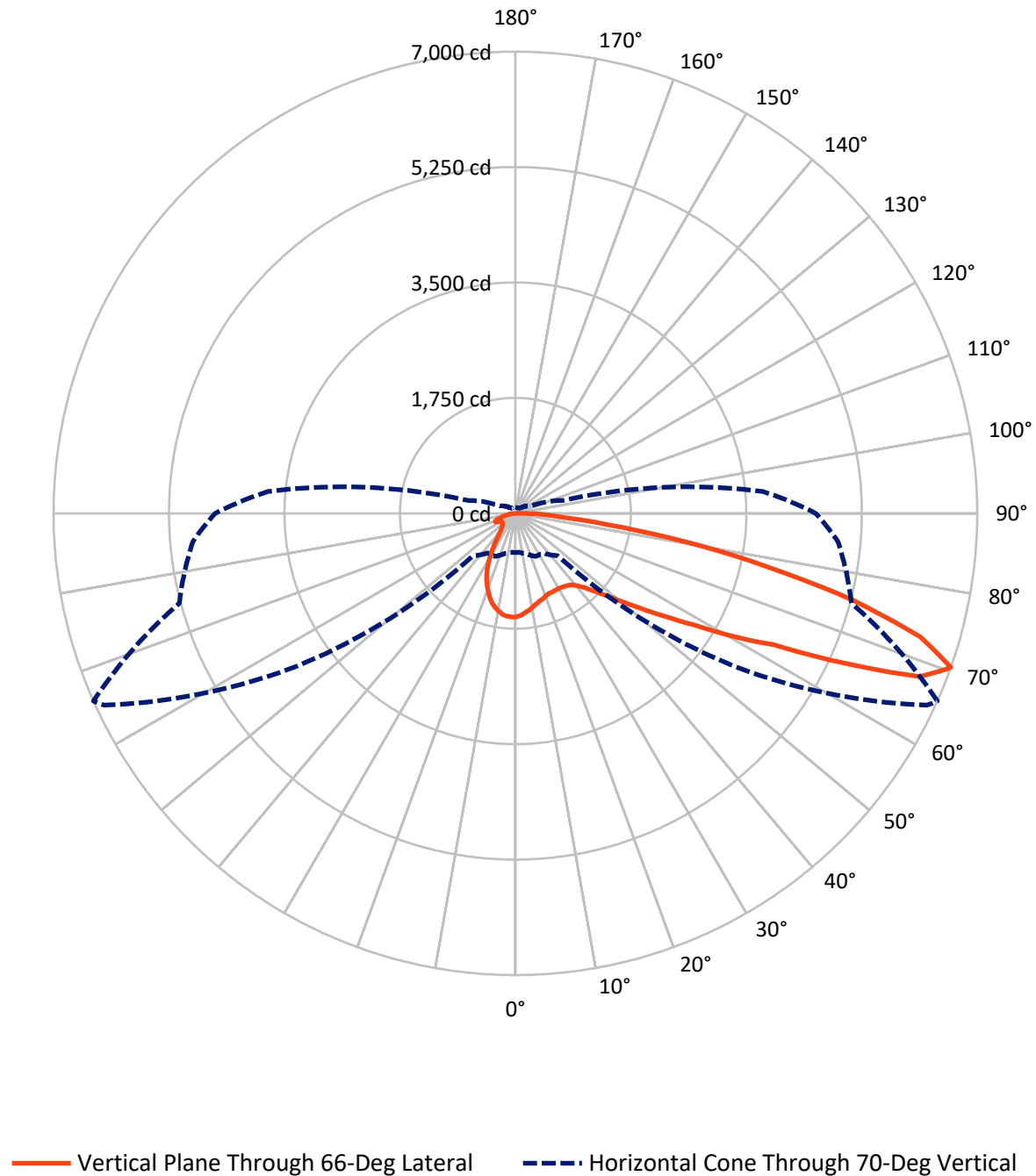
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 7 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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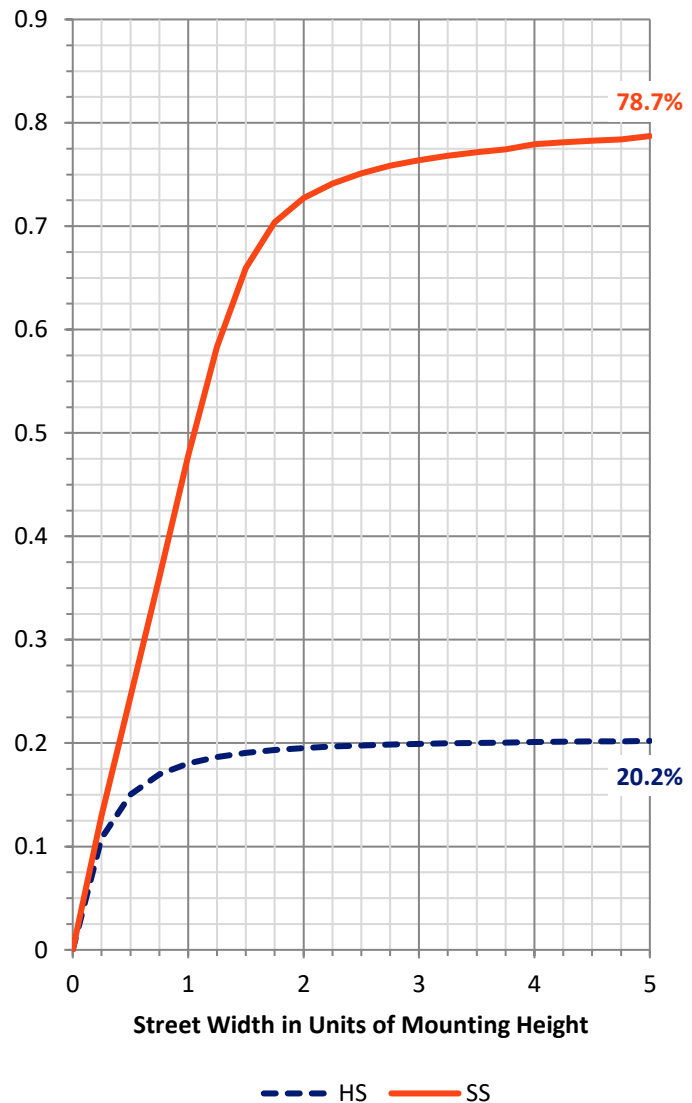
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1455.4	0.0	1455.4
	% Fixture	20.5	0.0	20.5
Street Side	Lumens	5654.9	0.0	5654.9
	% Fixture	79.5	0.0	79.5
Total	Lumens	7110.3	0.0	7110.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	138.9	2.0
10°-20°	341.9	4.8
20°-30°	469.6	6.6
30°-40°	629.6	8.9
40°-50°	913.5	12.8
50°-60°	1388.6	19.5
60°-70°	1715.0	24.1
70°-80°	1275.3	17.9
80°-90°	237.9	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°	7110.3	100.0
0°-180°	7110.3	100.0

Coefficient of Utilization



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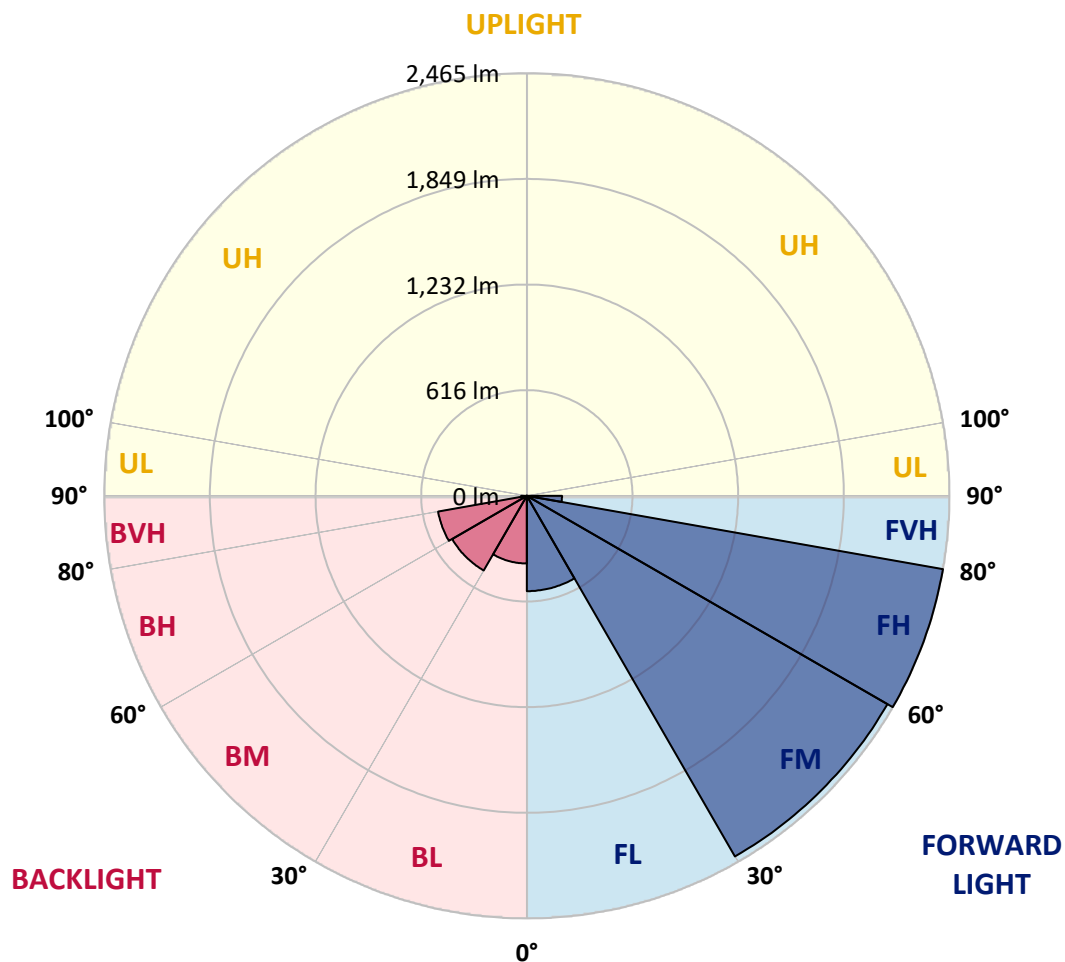
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	556.0	7.8			
FM	(30°-60°)	2429.0	34.2			
FH	(60°-80°)	2464.9	34.7			G2/5000
FVH	(80°-90°)	205.1	2.9			G2/225
BL	(0°-30°)	394.4	5.5	B1/500		
BM	(30°-60°)	502.7	7.1	B1/1000		
BH	(60°-80°)	525.4	7.4	B2/1000		G2/1000
BVH	(80°-90°)	32.8	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°	1570.9	1570.9	1570.9	1570.9	1570.9	1570.9	1570.9	1570.9	1570.9	1570.9	1570.9
2.5°	1494.2	1502.1	1504.8	1510.1	1523.3	1533.9	1549.7	1557.7	1549.7	1560.3	1560.3
5°	1391.1	1380.5	1406.9	1417.5	1433.4	1454.5	1491.6	1520.6	1512.7	1544.4	1570.9
7.5°	1303.8	1303.8	1311.7	1335.5	1354.0	1385.8	1425.4	1470.4	1483.6	1525.9	1565.6
10°	1224.4	1235.0	1235.0	1272.1	1282.6	1319.7	1385.8	1441.3	1443.9	1515.4	1570.9
12.5°	1182.1	1176.8	1203.3	1213.9	1245.6	1282.6	1335.5	1404.3	1406.9	1483.6	1560.3
15°	1147.8	1153.0	1166.3	1192.7	1221.8	1250.9	1301.1	1364.6	1377.8	1467.8	1555.0
17.5°	1150.4	1153.0	1153.0	1171.6	1195.4	1229.7	1277.3	1351.4	1359.3	1446.6	1547.1
20°	1166.3	1155.7	1163.6	1171.6	1187.4	1219.2	1258.8	1322.3	1330.2	1443.9	1565.6
22.5°	1200.6	1192.7	1190.1	1187.4	1184.8	1203.3	1253.5	1306.4	1314.4	1430.7	1573.5
25°	1256.2	1253.5	1235.0	1216.5	1203.3	1203.3	1243.0	1319.7	1317.0	1430.7	1578.8
27.5°	1322.3	1322.3	1319.7	1285.3	1245.6	1224.4	1250.9	1314.4	1311.7	1430.7	1592.0
30°	1412.2	1412.2	1404.3	1372.5	1301.1	1240.3	1256.2	1309.1	1317.0	1420.1	1581.5
32.5°	1510.1	1507.4	1515.4	1486.3	1412.2	1314.4	1287.9	1319.7	1327.6	1430.7	1584.1
35°	1581.5	1597.3	1623.8	1597.3	1523.3	1391.1	1332.9	1340.8	1346.1	1433.4	1594.7
37.5°	1663.5	1682.0	1719.0	1740.1	1660.8	1507.4	1404.3	1375.2	1375.2	1467.8	1597.3
40°	1782.5	1763.9	1827.4	1864.4	1832.7	1650.2	1515.4	1438.7	1441.3	1512.7	1631.7
42.5°	1869.7	1888.2	1954.4	2020.5	1980.8	1824.8	1637.0	1541.8	1541.8	1578.8	1684.6
45°	1967.6	1988.7	2081.3	2160.6	2189.7	2033.7	1803.6	1689.9	1684.6	1708.4	1779.8
47.5°	2076.0	2105.1	2210.9	2303.4	2380.1	2250.6	2017.8	1869.7	1867.1	1885.6	1938.5
50°	2200.3	2210.9	2298.2	2467.4	2620.8	2538.8	2279.6	2123.6	2110.4	2118.3	2189.7
52.5°	2237.3	2229.4	2329.9	2512.4	2792.7	2890.5	2636.7	2411.9	2406.6	2388.1	2480.6
55°	2102.5	2128.9	2226.7	2459.5	2932.9	3305.7	3028.1	2805.9	2758.3	2708.1	2819.1
57.5°	1832.7	1835.3	1946.4	2221.5	2824.4	3649.5	3691.9	3192.0	3194.7	3059.8	3186.7
60°	1425.4	1417.5	1504.8	1753.4	2515.0	3755.3	4416.5	3808.2	3781.8	3411.5	3527.9
62.5°	1028.7	1012.9	1031.4	1176.8	1880.3	3594.0	5127.9	4498.5	4387.4	3771.2	3861.1
65°	846.3	854.2	862.1	870.1	1055.2	2964.6	5347.4	5625.1	5477.0	4191.7	4228.7
67.5°	700.8	706.1	740.5	788.1	782.8	1750.7	5093.5	6667.0	6611.5	4712.7	4546.1
70°	595.0	592.4	632.1	719.3	732.6	909.7	4033.0	6881.2	7000.2	5273.3	4905.7
72.5°	476.0	481.3	515.7	632.1	719.3	766.9	2322.0	6421.1	6418.4	5704.4	4712.7
75°	341.2	341.2	388.8	523.6	695.5	759.0	1285.3	5212.5	5310.3	5360.6	4088.5
77.5°	224.8	235.4	272.4	391.4	653.2	743.1	814.5	3789.7	3911.4	4009.2	3128.6
80°	153.4	158.7	182.5	272.4	552.7	748.4	666.4	2549.4	2597.0	2213.5	1269.4
82.5°	92.6	95.2	121.7	190.4	396.7	711.4	626.8	1406.9	1377.8	669.1	365.0
85°	50.2	52.9	76.7	126.9	261.8	621.5	616.2	690.2	642.6	245.9	153.4
87.5°	18.5	18.5	34.4	63.5	150.7	425.8	536.9	409.9	383.5	124.3	71.4
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°	1570.9	1570.9	1570.9	1570.9	1570.9	1570.9	1570.9	1570.9	1570.9	1570.9	1570.9
2.5°	1573.5	1573.5	1573.5	1573.5	1570.9	1560.3	1568.2	1565.6	1549.7	1552.4	1541.8
5°	1568.2	1581.5	1573.5	1563.0	1549.7	1518.0	1507.4	1499.5	1478.3	1470.4	1478.3
7.5°	1581.5	1570.9	1565.6	1547.1	1494.2	1465.1	1428.1	1383.1	1351.4	1343.5	1351.4
10°	1578.8	1578.8	1555.0	1502.1	1451.9	1367.3	1319.7	1240.3	1195.4	1182.1	1184.8
12.5°	1568.2	1576.2	1539.2	1454.5	1359.3	1256.2	1168.9	1084.3	1004.9	973.2	967.9
15°	1578.8	1570.9	1504.8	1396.3	1264.1	1121.3	994.4	870.1	796.0	748.4	737.8
17.5°	1563.0	1555.0	1459.8	1317.0	1139.8	957.3	798.7	663.8	589.7	571.2	571.2
20°	1581.5	1531.2	1406.9	1221.8	1010.2	777.5	597.7	497.2	478.7	478.7	484.0
22.5°	1578.8	1525.9	1362.0	1129.2	854.2	587.1	444.3	415.2	417.8	439.0	436.4
25°	1563.0	1515.4	1298.5	1026.1	690.2	441.6	367.6	359.7	378.2	402.0	399.3
27.5°	1560.3	1486.3	1240.3	904.5	526.3	349.1	320.0	320.0	338.5	359.7	357.0
30°	1544.4	1462.5	1168.9	766.9	396.7	304.1	293.6	293.6	301.5	312.1	312.1
32.5°	1541.8	1430.7	1089.6	624.1	317.4	275.0	269.7	272.4	272.4	277.7	275.0
35°	1520.6	1388.4	1007.6	484.0	275.0	259.2	253.9	251.2	251.2	248.6	248.6
37.5°	1512.7	1362.0	923.0	375.5	256.5	245.9	240.7	232.7	230.1	230.1	227.4
40°	1520.6	1335.5	841.0	304.1	240.7	235.4	227.4	216.9	214.2	214.2	214.2
42.5°	1549.7	1332.9	756.4	264.5	232.7	224.8	214.2	203.6	201.0	203.6	201.0
45°	1615.8	1354.0	674.4	245.9	222.1	214.2	201.0	193.1	190.4	193.1	193.1
47.5°	1724.3	1412.2	600.3	235.4	214.2	203.6	190.4	182.5	182.5	182.5	182.5
50°	1904.1	1523.3	528.9	227.4	208.9	195.7	182.5	171.9	169.3	169.3	171.9
52.5°	2173.9	1713.7	470.7	222.1	201.0	185.1	171.9	164.0	158.7	156.0	158.7
55°	2499.1	1991.4	452.2	216.9	190.4	177.2	164.0	153.4	148.1	148.1	145.5
57.5°	2848.2	2298.2	484.0	211.6	182.5	166.6	153.4	142.8	137.5	134.9	134.9
60°	3226.4	2660.5	600.3	208.9	174.5	156.0	142.8	134.9	126.9	124.3	124.3
62.5°	3570.2	2988.4	809.2	206.3	169.3	145.5	132.2	121.7	116.4	113.7	113.7
65°	3961.6	3353.3	1012.9	216.9	166.6	137.5	121.7	111.1	105.8	103.1	103.1
67.5°	4302.8	3670.7	1131.9	243.3	174.5	126.9	108.4	100.5	97.9	95.2	95.2
70°	4551.3	3768.5	759.0	267.1	187.8	119.0	97.9	92.6	87.3	87.3	87.3
72.5°	4218.1	3363.9	449.6	251.2	177.2	111.1	87.3	82.0	79.3	79.3	76.7
75°	3607.2	2864.1	346.4	203.6	142.8	95.2	76.7	71.4	68.8	68.8	66.1
77.5°	2663.1	2052.2	256.5	161.3	111.1	76.7	66.1	63.5	60.8	58.2	58.2
80°	1042.0	899.2	174.5	119.0	82.0	60.8	55.5	52.9	50.2	47.6	47.6
82.5°	322.6	272.4	100.5	79.3	58.2	47.6	45.0	42.3	39.7	37.0	37.0
85°	140.2	134.9	66.1	50.2	39.7	31.7	31.7	29.1	26.4	23.8	23.8
87.5°	68.8	66.1	37.0	23.8	21.2	15.9	15.9	13.2	10.6	10.6	10.6
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)