

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: P675684

Luminaire Tested: **CCW-SA-2C-730-U-SL4**

Issue Date: 04/25/2023

Test Information

Test Method: LM-79-08
Report Number: P675684
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-2C-730-U-SL4
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @615mA w/
SL4 distribution lens
Light Source: (32) 3000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

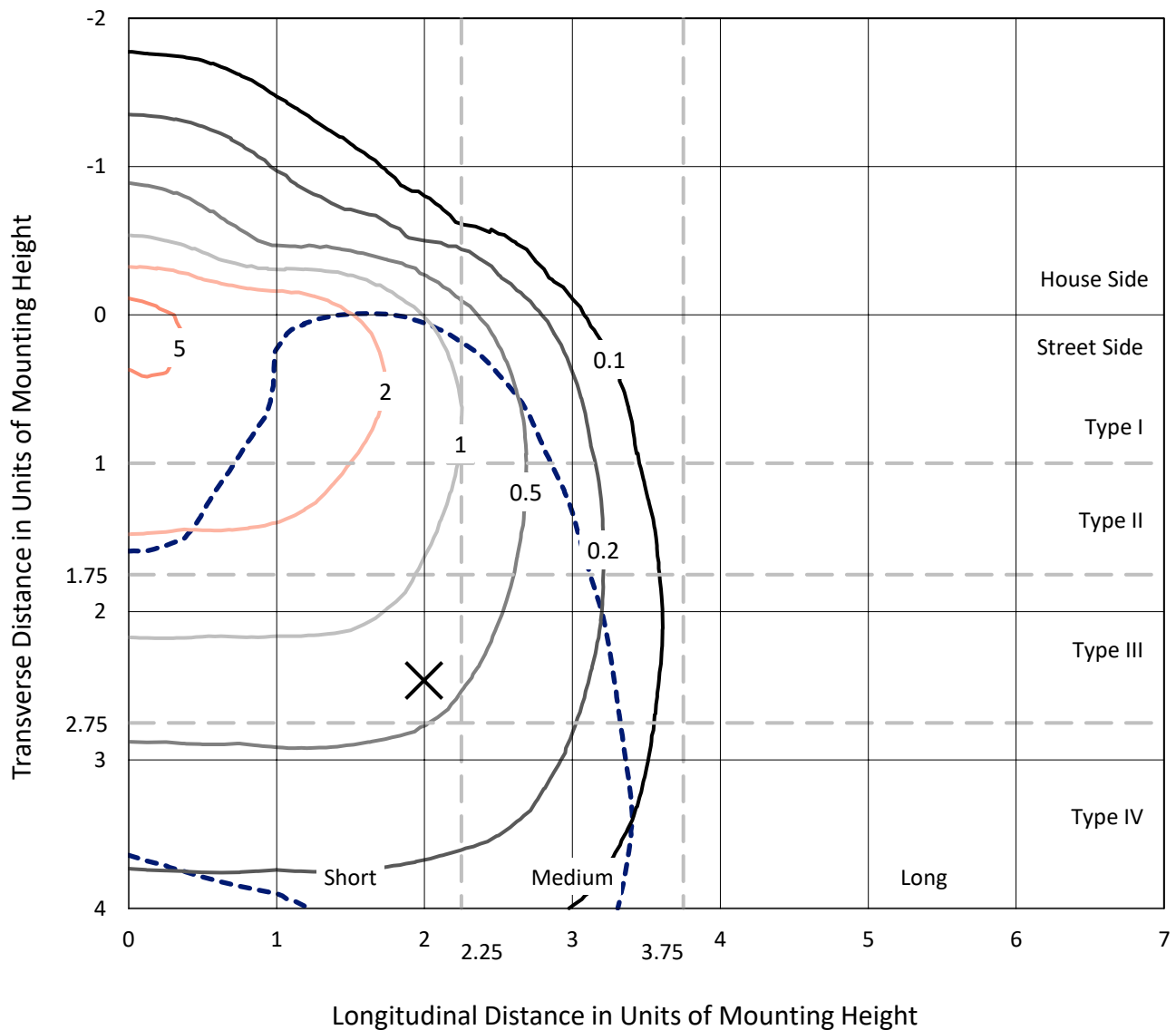
Lumens per Lamp: N/A
Luminaire Lumens: 8067.9 lumens
Efficiency: N/A
Efficacy: 129.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

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

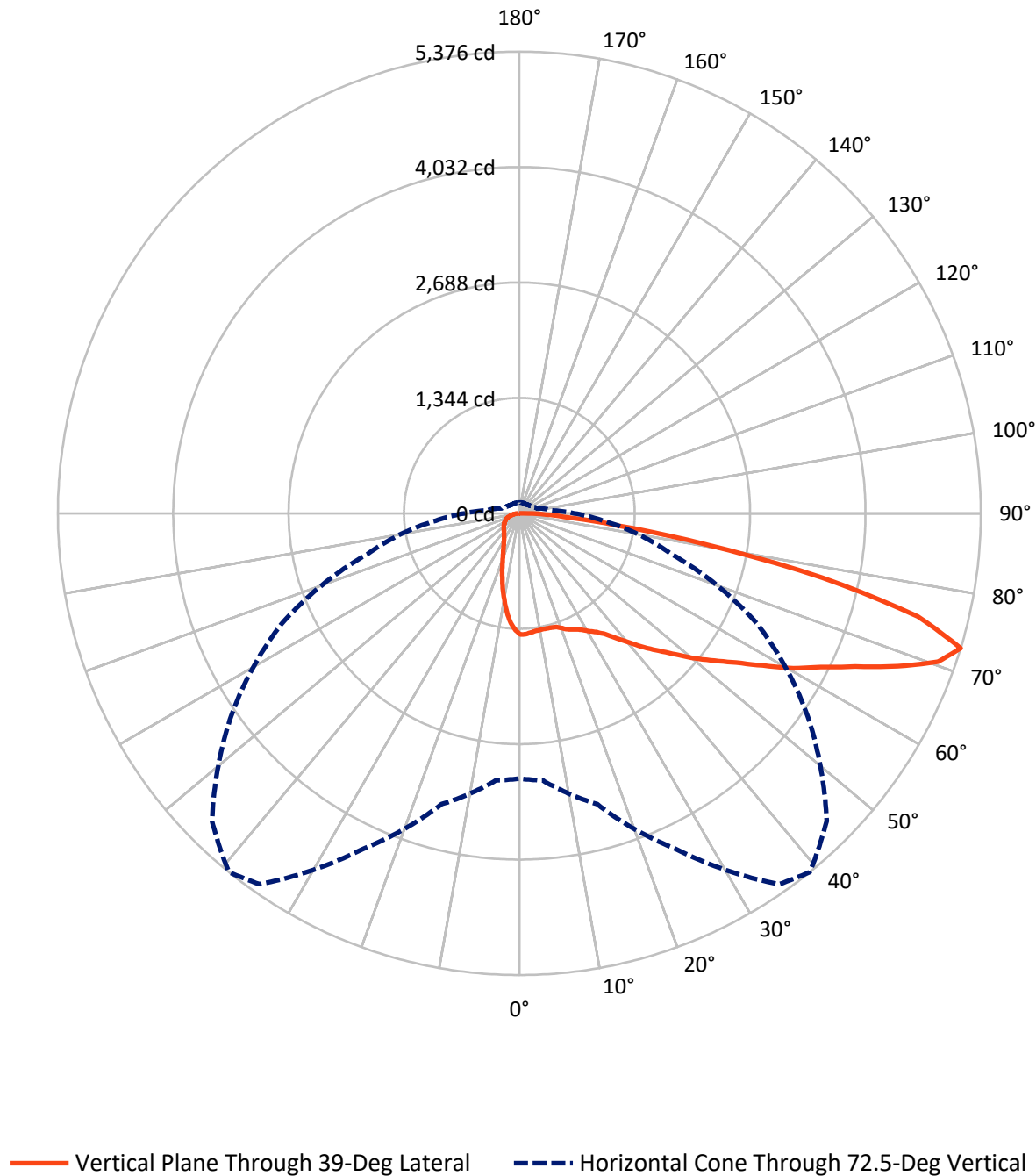
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 6.3 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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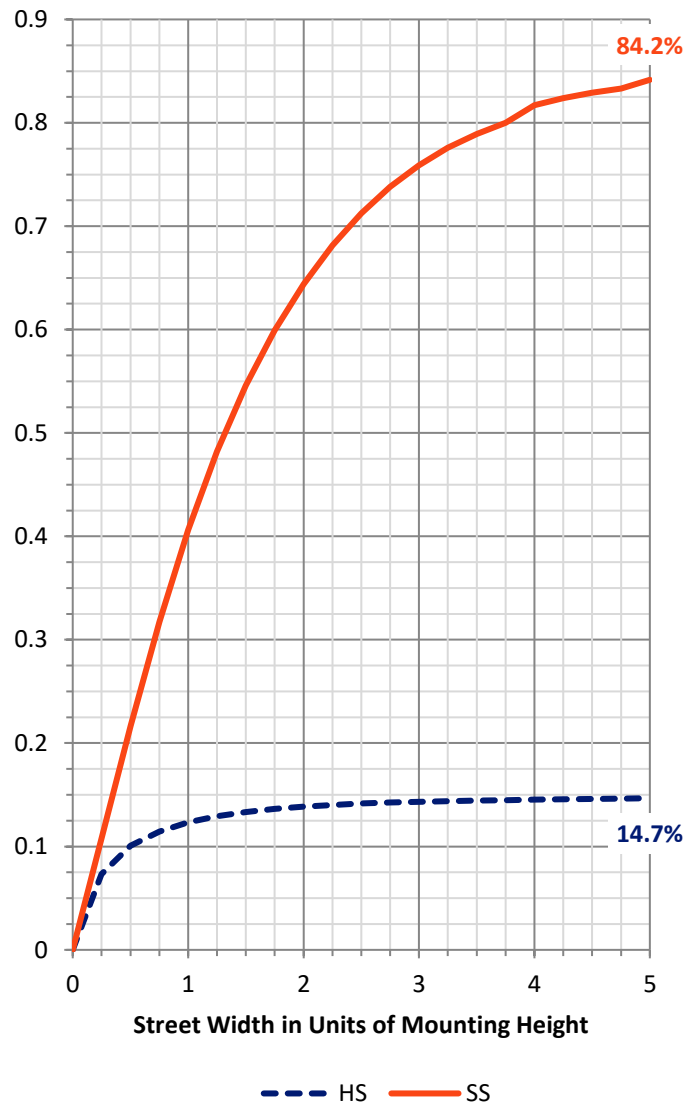
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1199.1	0.0	1199.1
	% Fixture	14.9	0.0	14.9
Street Side	Lumens	6868.8	0.0	6868.8
	% Fixture	85.1	0.0	85.1
Total	Lumens	8067.9	0.0	8067.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	124.8	1.5
10°-20°	318.5	3.9
20°-30°	485.2	6.0
30°-40°	709.8	8.8
40°-50°	1086.7	13.5
50°-60°	1593.8	19.8
60°-70°	2032.7	25.2
70°-80°	1468.6	18.2
80°-90°	247.7	3.1
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°	8067.9	100.0
0°-180°	8067.9	100.0

Coefficient of Utilization



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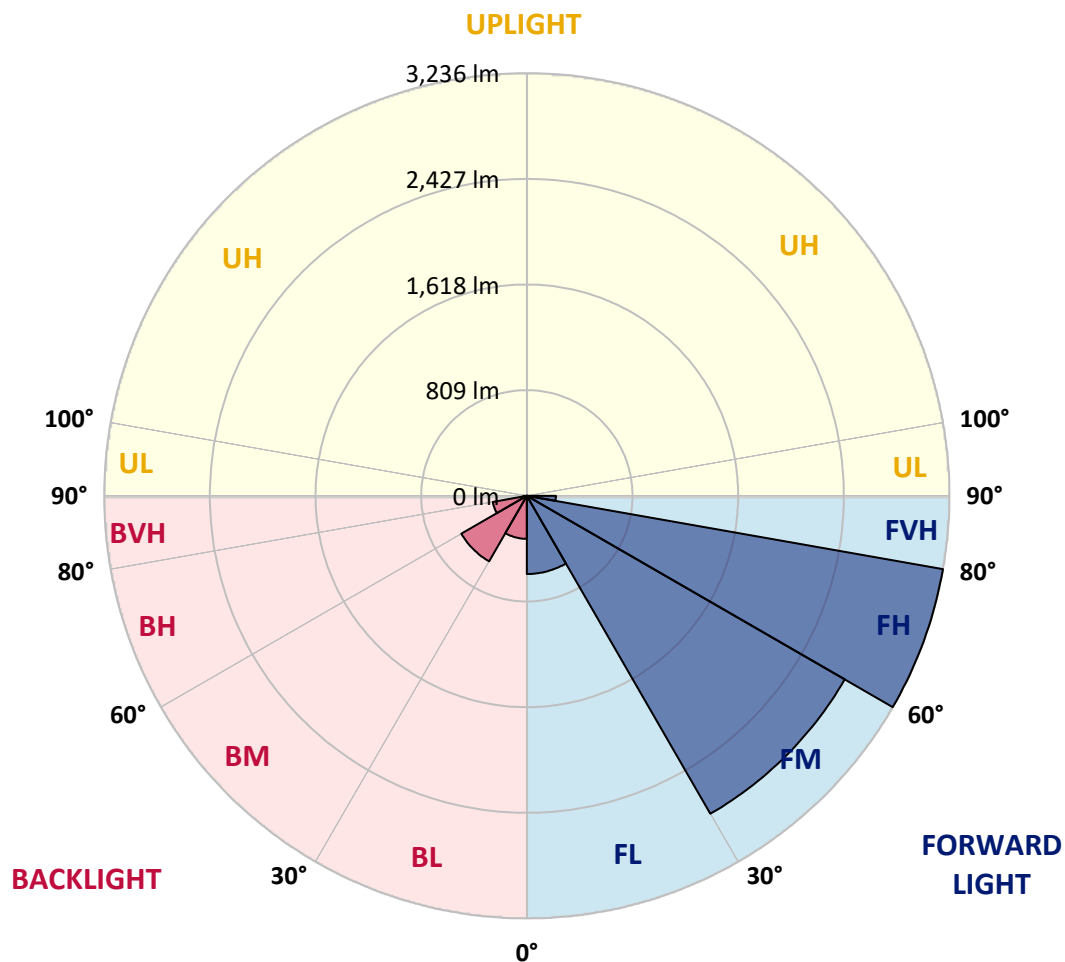
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	598.8	7.4			
FM	(30°-60°)	2811.1	34.8			
FH	(60°-80°)	3236.4	40.1			G2/5000
FVH	(80°-90°)	222.6	2.8			G2/225
BL	(0°-30°)	329.8	4.1	B1/500		
BM	(30°-60°)	579.3	7.2	B1/1000		
BH	(60°-80°)	264.9	3.3	B1/500		G1/500
BVH	(80°-90°)	25.1	0.3			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	39°	45°	55°	65°	75°	85°
0°	1412.2	1412.2	1412.2	1412.2	1412.2	1412.2	1412.2	1412.2	1412.2	1412.2	1412.2
2.5°	1433.5	1436.5	1430.4	1424.4	1421.3	1409.2	1421.3	1415.3	1409.2	1409.2	1409.2
5°	1415.3	1418.3	1418.3	1412.2	1415.3	1394.1	1391.0	1394.1	1385.0	1378.9	1375.9
7.5°	1388.0	1394.1	1406.2	1403.1	1391.0	1381.9	1385.0	1381.9	1366.8	1357.7	1333.4
10°	1366.8	1372.8	1378.9	1385.0	1381.9	1378.9	1375.9	1363.7	1360.7	1339.5	1315.3
12.5°	1345.6	1345.6	1348.6	1372.8	1375.9	1375.9	1357.7	1357.7	1348.6	1345.6	1309.2
15°	1324.4	1333.4	1357.7	1363.7	1375.9	1381.9	1372.8	1372.8	1357.7	1336.5	1309.2
17.5°	1330.4	1345.6	1369.8	1385.0	1391.0	1391.0	1403.1	1394.1	1372.8	1360.7	1333.4
20°	1360.7	1363.7	1394.1	1421.3	1427.4	1427.4	1415.3	1406.2	1391.0	1369.8	1333.4
22.5°	1378.9	1400.1	1436.5	1451.6	1469.8	1469.8	1454.7	1433.5	1412.2	1391.0	1351.6
25°	1457.7	1460.7	1475.9	1500.1	1509.2	1497.1	1481.9	1457.7	1430.4	1409.2	1372.8
27.5°	1512.2	1527.4	1545.6	1557.7	1542.6	1533.5	1521.3	1494.1	1472.8	1454.7	1403.1
30°	1612.3	1594.1	1606.2	1612.3	1585.0	1591.0	1557.7	1533.5	1509.2	1509.2	1451.6
32.5°	1672.9	1688.0	1675.9	1672.9	1651.7	1648.6	1627.4	1600.1	1585.0	1603.2	1524.4
35°	1778.9	1769.8	1769.8	1766.8	1742.6	1727.4	1727.4	1678.9	1694.1	1733.5	1636.5
37.5°	1833.5	1830.5	1848.6	1863.8	1839.5	1848.6	1839.5	1818.3	1824.4	1894.1	1775.9
40°	1888.0	1909.2	1945.6	1951.7	1966.8	1979.0	1972.9	1969.9	1994.1	2106.2	1963.8
42.5°	1939.6	1957.7	2012.3	2060.8	2097.1	2136.5	2139.6	2139.6	2218.4	2379.0	2191.1
45°	2006.2	2021.4	2097.1	2194.1	2254.7	2282.0	2306.3	2333.5	2439.6	2630.5	2433.5
47.5°	2097.1	2109.3	2200.2	2321.4	2439.6	2454.7	2503.2	2533.5	2694.2	2888.1	2682.0
50°	2227.5	2218.4	2291.1	2466.9	2582.0	2654.8	2724.5	2779.0	2936.6	3148.7	2876.0
52.5°	2333.5	2333.5	2388.1	2621.4	2779.0	2848.7	2921.5	2997.2	3179.1	3409.4	3033.6
55°	2515.4	2497.2	2530.5	2773.0	3000.2	3066.9	3206.3	3270.0	3445.7	3603.3	3166.9
57.5°	2639.6	2648.7	2688.1	2973.0	3260.9	3342.7	3482.1	3527.6	3682.1	3806.4	3263.9
60°	2803.3	2773.0	2857.8	3194.2	3548.8	3663.9	3779.1	3806.4	3921.5	3936.7	3309.4
62.5°	2960.9	2954.8	3027.5	3415.4	3857.9	3939.7	4057.9	4088.2	4136.7	4039.7	3245.7
65°	3057.8	3097.2	3233.6	3657.9	4209.4	4300.4	4418.5	4357.9	4303.4	3948.8	2933.6
67.5°	3191.2	3209.4	3418.5	3921.5	4615.5	4751.9	4854.9	4615.5	4209.4	3576.1	2469.9
70°	3221.5	3270.0	3542.7	4197.3	5033.8	5173.2	5179.2	4527.6	3867.0	2909.3	1791.1
72.5°	3088.1	3121.5	3506.4	4312.5	5273.2	5376.2	5064.1	4094.3	3063.9	1833.5	975.8
75°	2597.2	2691.1	3051.8	3957.9	4833.7	4794.3	4291.3	3124.5	1839.5	812.2	412.2
77.5°	1809.2	1812.3	2188.1	2879.0	3618.5	3609.4	3060.9	1812.3	787.9	327.3	242.4
80°	803.1	860.7	1088.0	1551.6	2197.2	2197.2	1785.0	900.1	394.0	212.1	166.7
82.5°	472.8	490.9	581.9	724.3	1069.8	1127.4	854.6	600.0	269.7	133.3	103.0
85°	348.5	378.8	433.4	436.4	506.1	515.2	472.8	521.3	184.9	72.7	84.9
87.5°	260.6	278.8	345.5	287.9	269.7	254.6	290.9	533.4	69.7	36.4	27.3
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°	1412.2	1412.2	1412.2	1412.2	1412.2	1412.2	1412.2	1412.2	1412.2	1412.2	1412.2
2.5°	1397.1	1397.1	1391.0	1378.9	1378.9	1354.7	1360.7	1366.8	1351.6	1351.6	1354.7
5°	1375.9	1363.7	1348.6	1330.4	1318.3	1285.0	1278.9	1257.7	1254.6	1248.6	1239.5
7.5°	1333.4	1315.3	1288.0	1260.7	1221.3	1191.0	1154.6	1124.3	1112.2	1103.1	1100.1
10°	1294.0	1291.0	1245.6	1191.0	1130.4	1072.8	1018.3	978.9	954.6	939.5	936.4
12.5°	1294.0	1269.8	1206.2	1130.4	1042.5	957.7	888.0	833.4	800.1	775.8	766.7
15°	1288.0	1263.7	1178.9	1063.7	963.7	848.6	751.6	694.0	645.5	621.3	624.3
17.5°	1294.0	1257.7	1139.5	1015.2	875.8	751.6	636.4	566.7	518.2	500.0	497.0
20°	1297.1	1251.6	1109.2	948.6	784.9	645.5	536.4	469.7	433.4	421.2	421.2
22.5°	1291.0	1233.4	1063.7	869.8	706.1	557.6	466.7	409.1	384.9	369.7	375.8
25°	1318.3	1230.4	1021.3	803.1	615.2	484.9	415.2	372.8	357.6	348.5	351.5
27.5°	1324.4	1230.4	988.0	727.3	536.4	430.3	375.8	348.5	336.4	330.3	327.3
30°	1348.6	1236.5	948.6	651.6	472.8	387.9	345.5	330.3	321.2	318.2	318.2
32.5°	1415.3	1254.6	906.1	587.9	418.2	351.5	324.3	312.1	306.1	303.1	306.1
35°	1494.1	1303.1	860.7	521.3	378.8	327.3	306.1	297.0	294.0	294.0	294.0
37.5°	1615.3	1375.9	821.3	466.7	345.5	303.1	287.9	284.9	281.8	284.9	284.9
40°	1754.7	1454.7	784.9	424.3	321.2	287.9	272.7	272.7	269.7	272.7	275.8
42.5°	1915.3	1551.6	748.5	381.8	300.0	275.8	263.7	260.6	257.6	263.7	266.7
45°	2136.5	1685.0	724.3	357.6	284.9	263.7	251.5	251.5	248.5	248.5	254.6
47.5°	2321.4	1812.3	724.3	333.4	275.8	254.6	242.4	242.4	236.4	239.4	239.4
50°	2476.0	1921.4	739.5	327.3	263.7	245.5	236.4	230.3	227.3	227.3	227.3
52.5°	2579.0	1988.0	751.6	321.2	257.6	233.4	227.3	224.3	218.2	215.2	218.2
55°	2682.0	2033.5	754.6	321.2	248.5	221.2	215.2	215.2	209.1	206.1	206.1
57.5°	2721.4	2015.3	712.2	315.2	242.4	212.1	206.1	203.0	200.0	197.0	197.0
60°	2703.3	1948.6	618.2	300.0	236.4	206.1	194.0	194.0	194.0	187.9	190.9
62.5°	2579.0	1721.4	497.0	275.8	227.3	194.0	181.8	187.9	187.9	184.9	184.9
65°	2251.7	1421.3	403.1	254.6	215.2	184.9	172.7	181.8	184.9	181.8	178.8
67.5°	1800.1	1094.0	333.4	230.3	200.0	169.7	160.6	169.7	172.7	169.7	169.7
70°	1236.5	706.1	269.7	206.1	178.8	154.6	145.5	151.5	151.5	154.6	154.6
72.5°	639.4	381.8	221.2	175.8	154.6	139.4	130.3	130.3	127.3	127.3	127.3
75°	318.2	260.6	184.9	148.5	130.3	118.2	112.1	106.1	106.1	106.1	106.1
77.5°	221.2	200.0	151.5	118.2	106.1	97.0	97.0	87.9	87.9	87.9	87.9
80°	166.7	157.6	115.2	90.9	81.8	75.8	75.8	72.7	72.7	69.7	69.7
82.5°	118.2	127.3	87.9	66.7	60.6	57.6	57.6	54.5	54.5	48.5	48.5
85°	93.9	106.1	66.7	48.5	45.5	39.4	39.4	36.4	36.4	33.3	30.3
87.5°	27.3	57.6	27.3	18.2	18.2	18.2	18.2	15.2	15.2	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)