

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: P670780

Luminaire Tested: **CCP-SA-2E-722-U-T3**

Issue Date: 04/16/2023

Test Information

Test Method: LM-79-08
Report Number: P670780
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2E-722-U-T3
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @1050mA w/ T3
distribution lens
Light Source: (32) 2200K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10176.1 lumens
Efficiency: N/A
Efficacy: 95.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B2 - U0 - G2

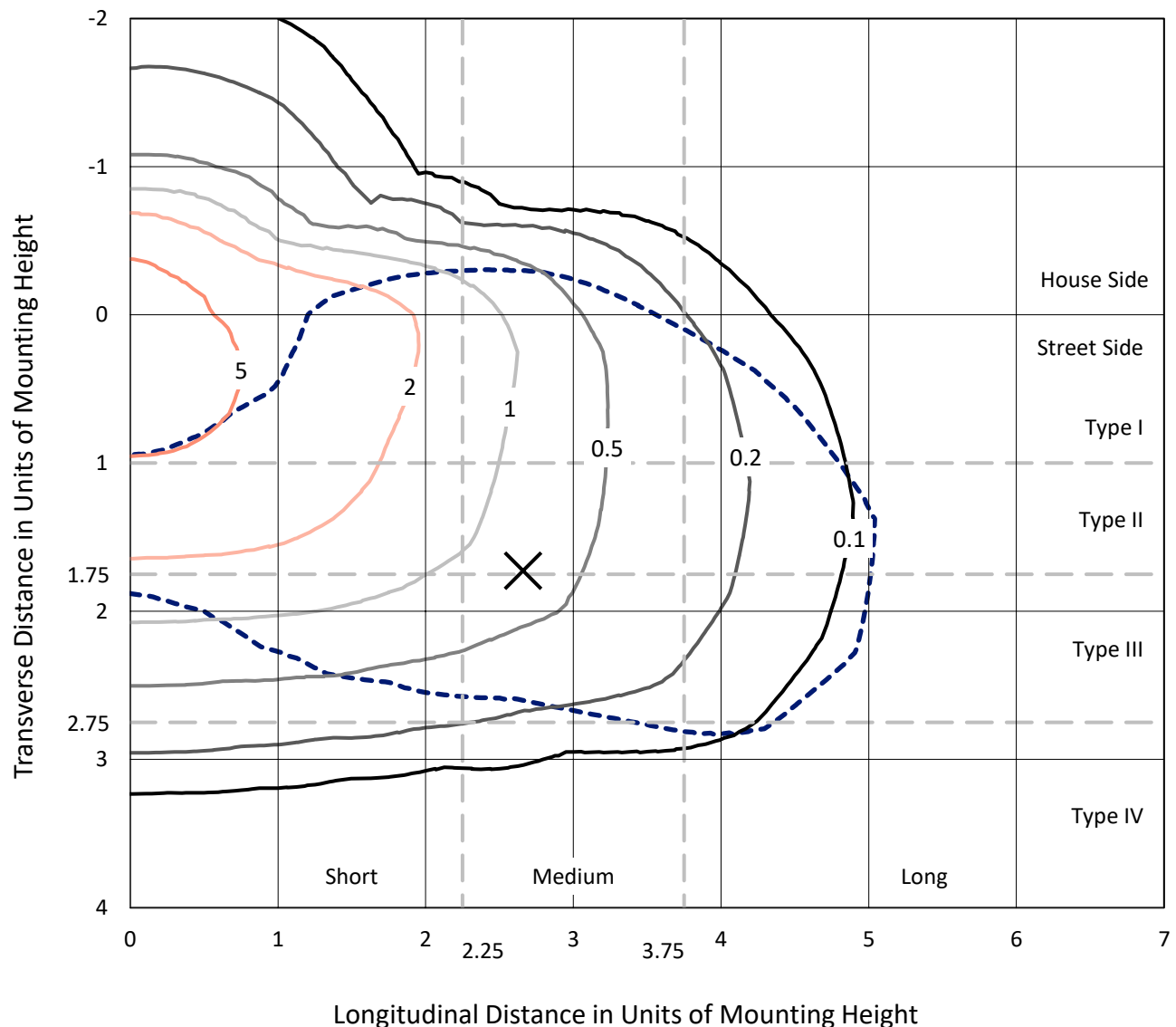
Input Watts (W): 106.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Iso-Footcandle Lines of Horizontal Illumination

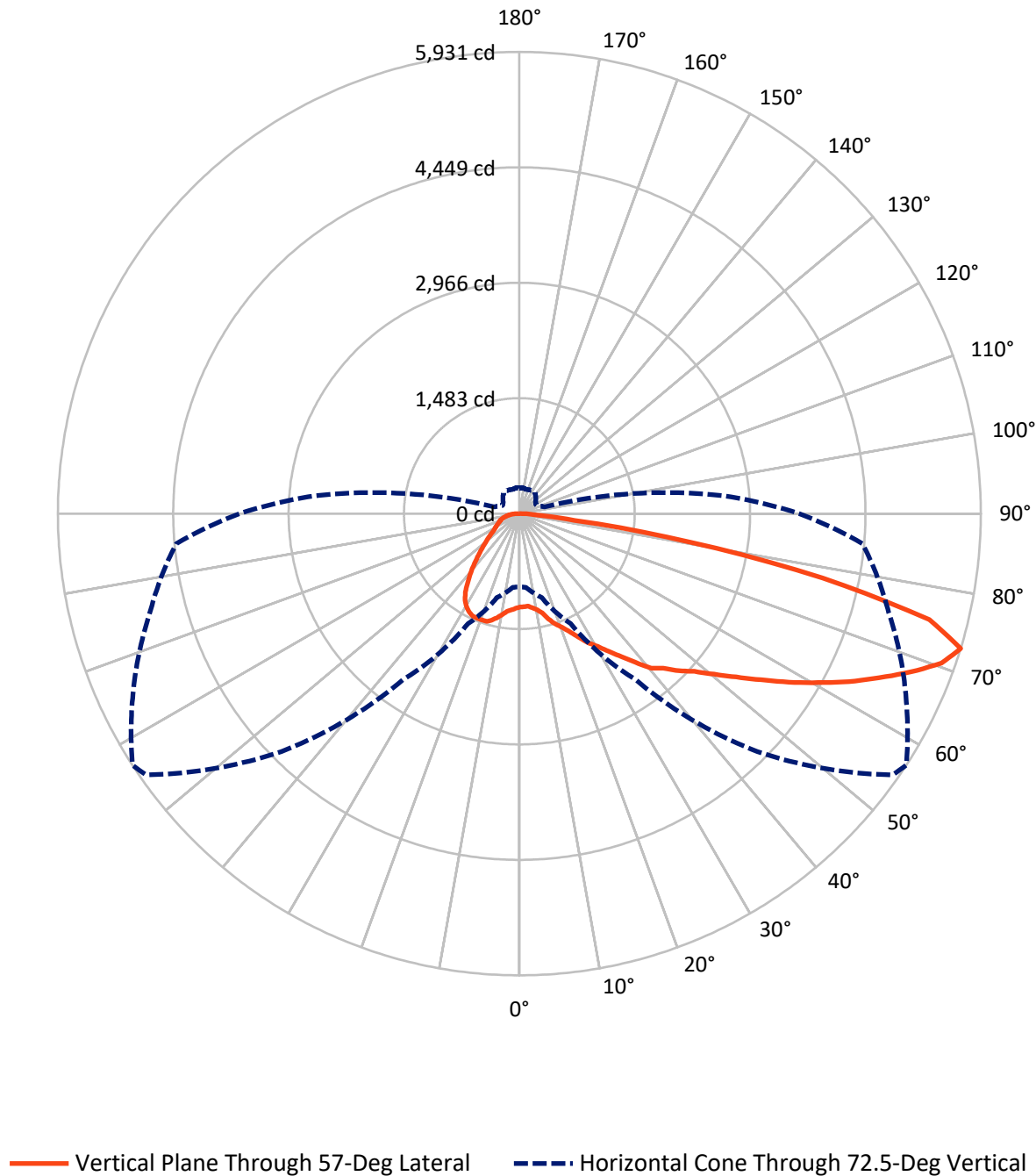
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 6.1 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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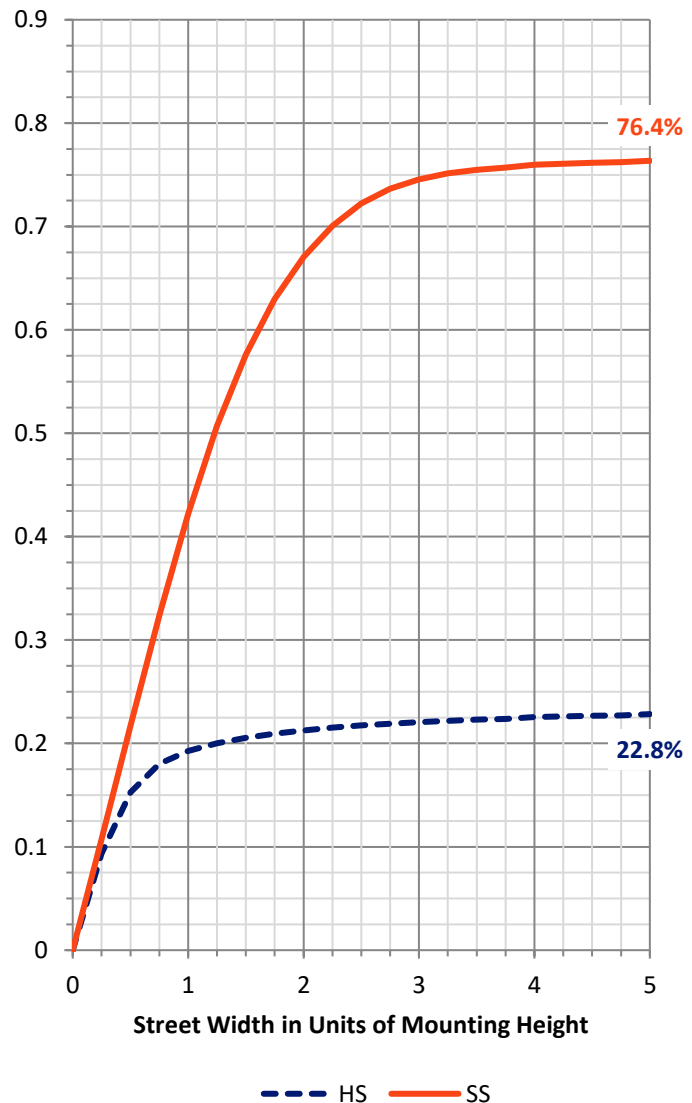
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2376.5	0.0	2376.5
	% Fixture	23.4	0.0	23.4
Street Side	Lumens	7799.7	0.0	7799.7
	% Fixture	76.6	0.0	76.6
Total	Lumens	10176.1	0.0	10176.1
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	119.2	1.2
10°-20°	401.8	3.9
20°-30°	734.5	7.2
30°-40°	1077.6	10.6
40°-50°	1483.8	14.6
50°-60°	2034.7	20.0
60°-70°	2452.7	24.1
70°-80°	1633.8	16.1
80°-90°	238.0	2.3
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°	10176.1	100.0
0°-180°	10176.1	100.0



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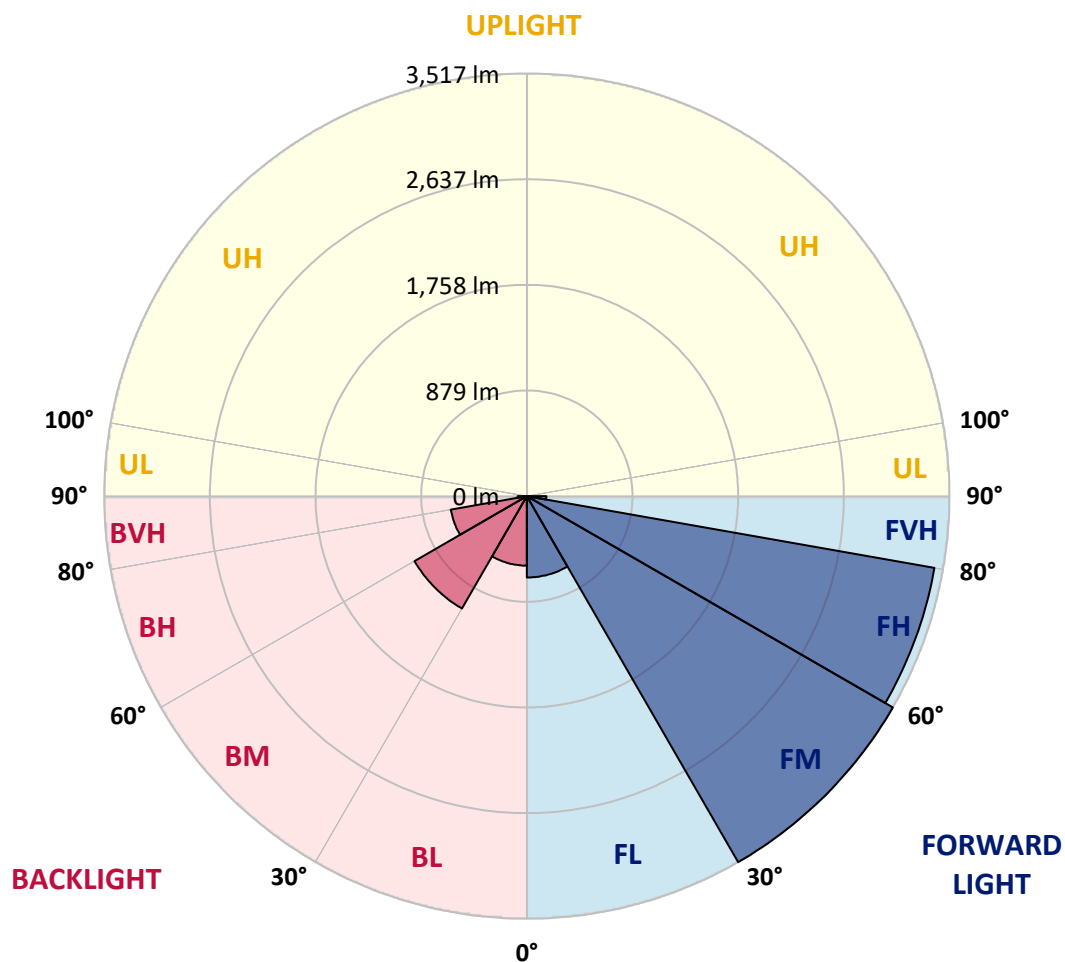
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	677.0	6.7			
FM	(30°-60°)	3516.7	34.6			
FH	(60°-80°)	3444.0	33.8			G2/5000
FVH	(80°-90°)	162.0	1.6			G2/225
BL	(0°-30°)	578.6	5.7	B2/1000		
BM	(30°-60°)	1079.4	10.6	B2/2500		
BH	(60°-80°)	642.5	6.3	B2/1000		G2/1000
BVH	(80°-90°)	75.9	0.7			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°	57°	65°	75°	85°
0°	1201.1	1201.1	1201.1	1201.1	1201.1	1201.1	1201.1	1201.1	1201.1	1201.1	1201.1
2.5°	1178.9	1182.6	1190.0	1186.3	1186.3	1175.2	1193.7	1197.4	1190.0	1193.7	1201.1
5°	1178.9	1186.3	1197.4	1190.0	1193.7	1190.0	1182.6	1193.7	1193.7	1197.4	1208.5
7.5°	1241.9	1238.2	1238.2	1227.1	1223.4	1219.6	1223.4	1223.4	1215.9	1219.6	1219.6
10°	1312.3	1312.3	1304.9	1304.9	1297.5	1279.0	1260.4	1256.7	1245.6	1249.3	1249.3
12.5°	1386.5	1393.9	1401.3	1379.1	1371.6	1342.0	1330.9	1308.6	1308.6	1301.2	1297.5
15°	1479.1	1468.0	1475.4	1468.0	1449.5	1419.8	1401.3	1405.0	1379.1	1371.6	1360.5
17.5°	1560.7	1564.4	1553.3	1545.9	1512.5	1490.3	1494.0	1490.3	1456.9	1445.8	1427.2
20°	1657.1	1653.4	1653.4	1631.1	1601.5	1571.8	1560.7	1557.0	1564.4	1542.2	1497.7
22.5°	1757.2	1742.4	1742.4	1723.8	1683.0	1664.5	1657.1	1642.3	1649.7	1631.1	1564.4
25°	1838.7	1838.7	1864.7	1827.6	1805.4	1768.3	1753.5	1757.2	1760.9	1723.8	1646.0
27.5°	1946.2	1927.7	1953.7	1935.1	1924.0	1883.2	1864.7	1875.8	1868.4	1827.6	1720.1
30°	2083.4	2087.1	2072.3	2046.3	2031.5	2001.9	1990.7	1979.6	1990.7	1938.8	1801.7
32.5°	2253.9	2265.1	2228.0	2198.3	2172.4	2142.7	2120.5	2109.4	2120.5	2042.6	1864.7
35°	2450.4	2461.5	2431.9	2398.5	2368.9	2294.7	2276.2	2257.6	2216.9	2090.8	1924.0
37.5°	2632.1	2617.2	2609.8	2609.8	2554.2	2446.7	2435.6	2424.5	2346.6	2187.2	2005.6
40°	2754.4	2772.9	2765.5	2758.1	2750.7	2650.6	2628.4	2609.8	2480.1	2331.8	2120.5
42.5°	2891.6	2880.4	2910.1	2921.2	2895.3	2865.6	2776.6	2713.6	2598.7	2480.1	2291.0
45°	3054.7	3047.3	3058.4	3099.2	3062.1	3073.2	2924.9	2880.4	2735.9	2665.4	2506.0
47.5°	3199.3	3217.8	3273.4	3284.5	3254.9	3306.8	3099.2	3028.7	2936.1	2880.4	2728.5
50°	3262.3	3284.5	3410.6	3488.4	3492.1	3573.7	3273.4	3243.7	3117.7	3139.9	3006.5
52.5°	3210.4	3280.8	3432.8	3636.7	3762.7	3844.3	3503.2	3488.4	3373.5	3443.9	3310.5
55°	3258.6	3325.3	3425.4	3710.8	4029.7	4048.2	3822.1	3766.4	3651.5	3747.9	3625.6
57.5°	3280.8	3243.7	3432.8	3792.4	4226.1	4274.3	4126.0	4085.3	3996.3	4089.0	4018.5
60°	3106.6	3151.1	3329.0	3770.2	4237.3	4515.3	4467.1	4407.8	4326.2	4411.5	4370.7
62.5°	2910.1	2939.8	3132.5	3636.7	4300.3	4689.5	4797.0	4752.5	4637.6	4711.8	4782.2
65°	2661.7	2665.4	2880.4	3399.4	4177.9	4789.6	5086.2	5082.5	5000.9	4982.4	5093.6
67.5°	2357.7	2387.4	2557.9	3147.4	4011.1	4900.8	5371.6	5427.2	5264.1	5119.6	5160.3
70°	1809.1	1838.7	2001.9	2580.2	3670.1	4867.5	5723.8	5753.5	5434.7	5067.7	4963.9
72.5°	941.6	949.0	1115.8	1557.0	2602.4	4322.5	5853.6	5931.4	5479.1	4915.7	4426.3
75°	311.4	311.4	381.8	593.1	1227.1	2765.5	5301.2	5442.1	5260.4	4537.5	3621.9
77.5°	185.4	189.1	226.1	296.6	489.3	1104.7	3736.8	3985.2	4304.0	3859.1	2646.9
80°	133.5	137.2	170.5	203.9	292.9	355.9	1875.8	2220.6	2643.2	2483.8	1412.4
82.5°	100.1	100.1	133.5	152.0	200.2	211.3	522.7	715.5	1141.8	889.7	389.2
85°	103.8	103.8	103.8	107.5	137.2	122.3	218.7	233.5	333.6	292.9	107.5
87.5°	37.1	40.8	103.8	70.4	70.4	51.9	85.3	92.7	118.6	122.3	40.8
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°	1201.1	1201.1	1201.1	1201.1	1201.1	1201.1	1201.1	1201.1	1201.1	1201.1	1201.1
2.5°	1204.8	1204.8	1208.5	1208.5	1215.9	1223.4	1234.5	1227.1	1227.1	1230.8	1227.1
5°	1201.1	1204.8	1215.9	1234.5	1241.9	1245.6	1267.8	1267.8	1267.8	1275.3	1275.3
7.5°	1215.9	1223.4	1241.9	1260.4	1264.1	1275.3	1304.9	1312.3	1330.9	1338.3	1342.0
10°	1253.0	1264.1	1279.0	1301.2	1316.0	1330.9	1353.1	1379.1	1375.3	1397.6	1401.3
12.5°	1308.6	1304.9	1330.9	1353.1	1367.9	1390.2	1397.6	1397.6	1397.6	1397.6	1405.0
15°	1353.1	1360.5	1382.8	1397.6	1416.1	1412.4	1397.6	1382.8	1386.5	1382.8	1382.8
17.5°	1419.8	1419.8	1438.4	1442.1	1449.5	1412.4	1390.2	1390.2	1401.3	1401.3	1393.9
20°	1486.6	1482.9	1490.3	1486.6	1438.4	1393.9	1390.2	1393.9	1397.6	1393.9	1390.2
22.5°	1549.6	1542.2	1531.0	1516.2	1431.0	1390.2	1382.8	1364.2	1345.7	1345.7	1334.6
25°	1605.2	1597.8	1568.1	1523.6	1427.2	1367.9	1330.9	1286.4	1264.1	1253.0	1267.8
27.5°	1657.1	1642.3	1601.5	1523.6	1393.9	1308.6	1238.2	1182.6	1164.0	1149.2	1164.0
30°	1727.5	1701.6	1646.0	1512.5	1342.0	1215.9	1119.6	1052.8	1034.3	1012.0	1019.5
32.5°	1790.5	1731.2	1683.0	1479.1	1275.3	1112.1	1000.9	934.2	900.8	882.3	897.1
35°	1857.3	1798.0	1697.9	1427.2	1171.5	986.1	874.9	811.9	785.9	760.0	760.0
37.5°	1924.0	1890.6	1720.1	1330.9	1045.4	867.5	767.4	719.2	674.7	626.5	626.5
40°	2064.9	2020.4	1746.1	1219.6	919.4	752.5	682.1	619.1	574.6	507.9	504.2
42.5°	2213.2	2116.8	1746.1	1086.2	808.2	671.0	604.3	537.5	456.0	415.2	418.9
45°	2402.2	2291.0	1697.9	967.6	696.9	604.3	530.1	444.9	407.8	381.8	381.8
47.5°	2639.5	2465.2	1638.6	837.8	608.0	544.9	452.3	400.4	374.4	352.2	348.5
50°	2921.2	2624.7	1564.4	726.6	533.8	489.3	411.5	370.7	348.5	333.6	333.6
52.5°	3217.8	2858.2	1512.5	626.5	474.5	415.2	381.8	355.9	337.3	326.2	322.5
55°	3518.1	3091.8	1475.4	519.0	418.9	381.8	374.4	352.2	344.8	333.6	326.2
57.5°	3855.4	3284.5	1468.0	444.9	374.4	367.0	381.8	363.3	352.2	341.1	329.9
60°	4218.7	3544.0	1401.3	385.5	352.2	359.6	370.7	352.2	344.8	333.6	326.2
62.5°	4578.3	3736.8	1219.6	341.1	329.9	337.3	352.2	337.3	326.2	329.9	333.6
65°	4726.6	3751.6	945.3	307.7	304.0	307.7	329.9	326.2	315.1	337.3	337.3
67.5°	4578.3	3618.2	667.3	278.0	278.0	296.6	333.6	341.1	329.9	359.6	355.9
70°	4241.0	3288.2	452.3	259.5	266.9	315.1	344.8	337.3	322.5	359.6	352.2
72.5°	3599.6	2632.1	329.9	241.0	252.1	300.3	341.1	333.6	322.5	337.3	322.5
75°	2702.5	1872.1	259.5	218.7	222.4	270.6	352.2	333.6	304.0	296.6	285.4
77.5°	1805.4	1156.6	200.2	192.8	192.8	237.3	337.3	311.4	274.3	263.2	259.5
80°	860.1	463.4	159.4	163.1	166.8	203.9	307.7	278.0	248.4	233.5	233.5
82.5°	274.3	174.2	133.5	133.5	133.5	166.8	255.8	233.5	215.0	203.9	185.4
85°	96.4	96.4	114.9	118.6	107.5	122.3	211.3	200.2	177.9	148.3	144.6
87.5°	37.1	55.6	77.8	92.7	66.7	85.3	152.0	140.9	129.7	96.4	92.7
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)