

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: P675396

Luminaire Tested: **CCW-SA-2C-730-U-SL2**

Issue Date: 04/25/2023

Test Information

Test Method: LM-79-08
Report Number: P675396
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-SL2
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @615mA w/
SL2 distribution lens
Light Source: (32) 3000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

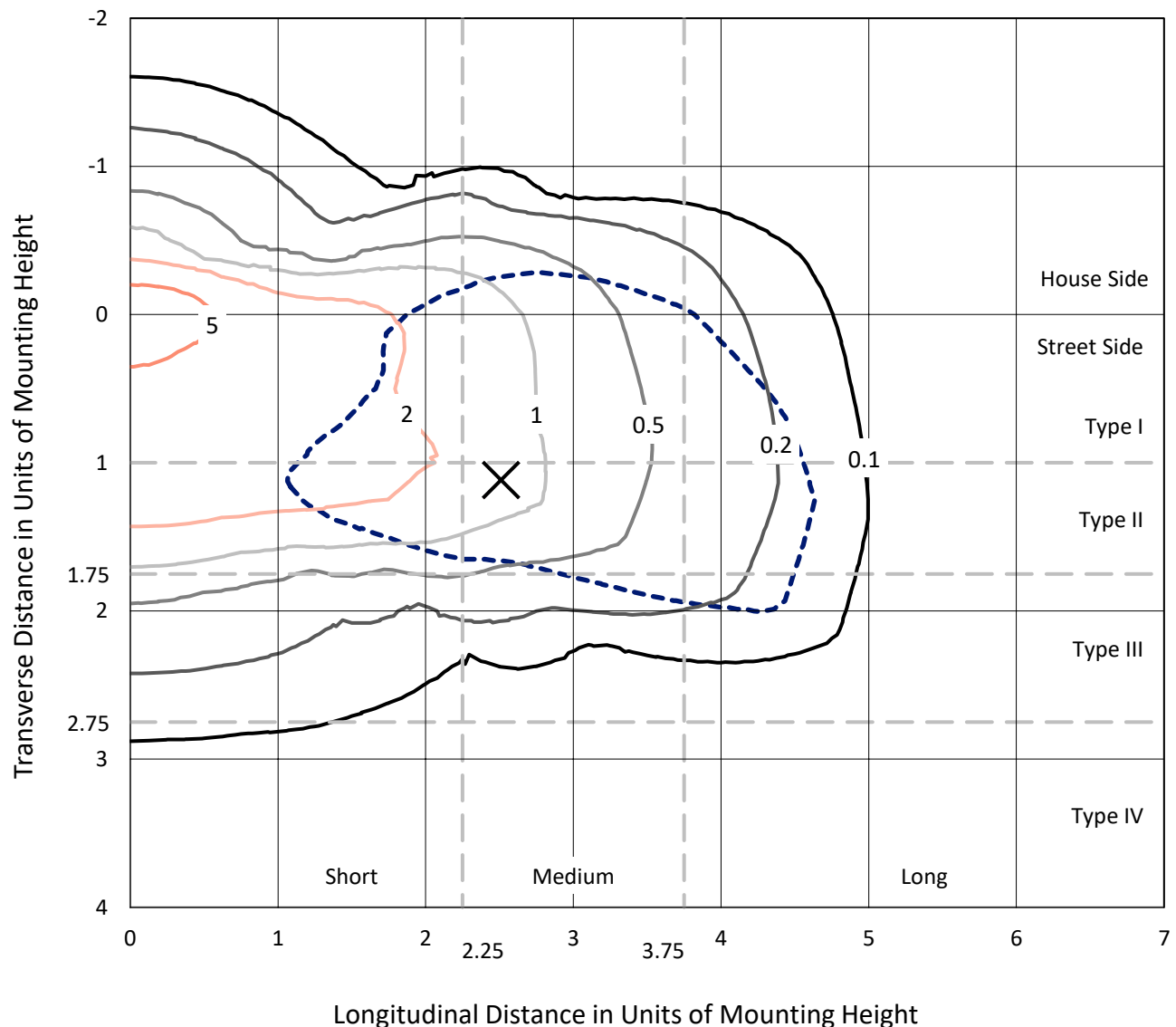
Lumens per Lamp: N/A
Luminaire Lumens: 8148.3 lumens
Efficiency: N/A
Efficacy: 131.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B2 - U0 - G3

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

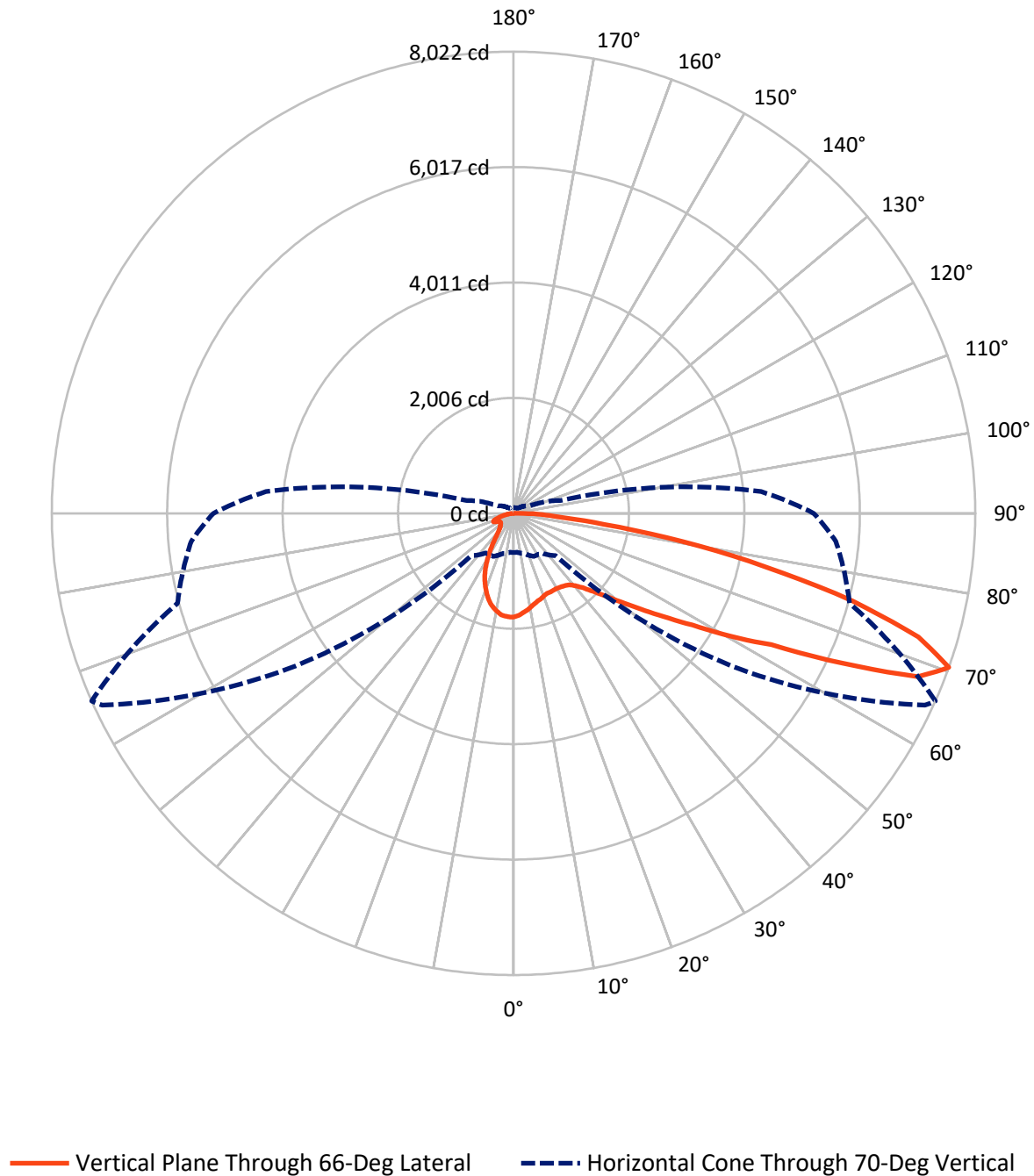
× Max cd
 --- 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 8 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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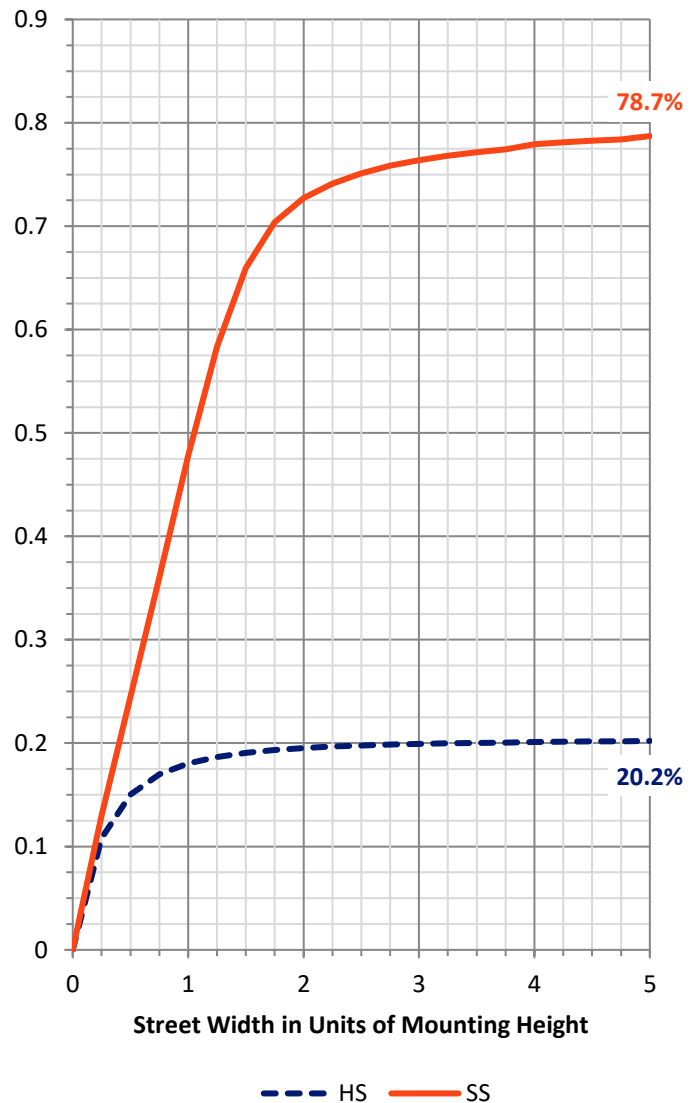
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1667.9	0.0	1667.9
	% Fixture	20.5	0.0	20.5
Street Side	Lumens	6480.5	0.0	6480.5
	% Fixture	79.5	0.0	79.5
Total	Lumens	8148.3	0.0	8148.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	159.2	2.0
10°-20°	391.8	4.8
20°-30°	538.2	6.6
30°-40°	721.5	8.9
40°-50°	1046.9	12.8
50°-60°	1591.3	19.5
60°-70°	1965.3	24.1
70°-80°	1461.5	17.9
80°-90°	272.6	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°	8148.3	100.0
0°-180°	8148.3	100.0

Coefficient of Utilization



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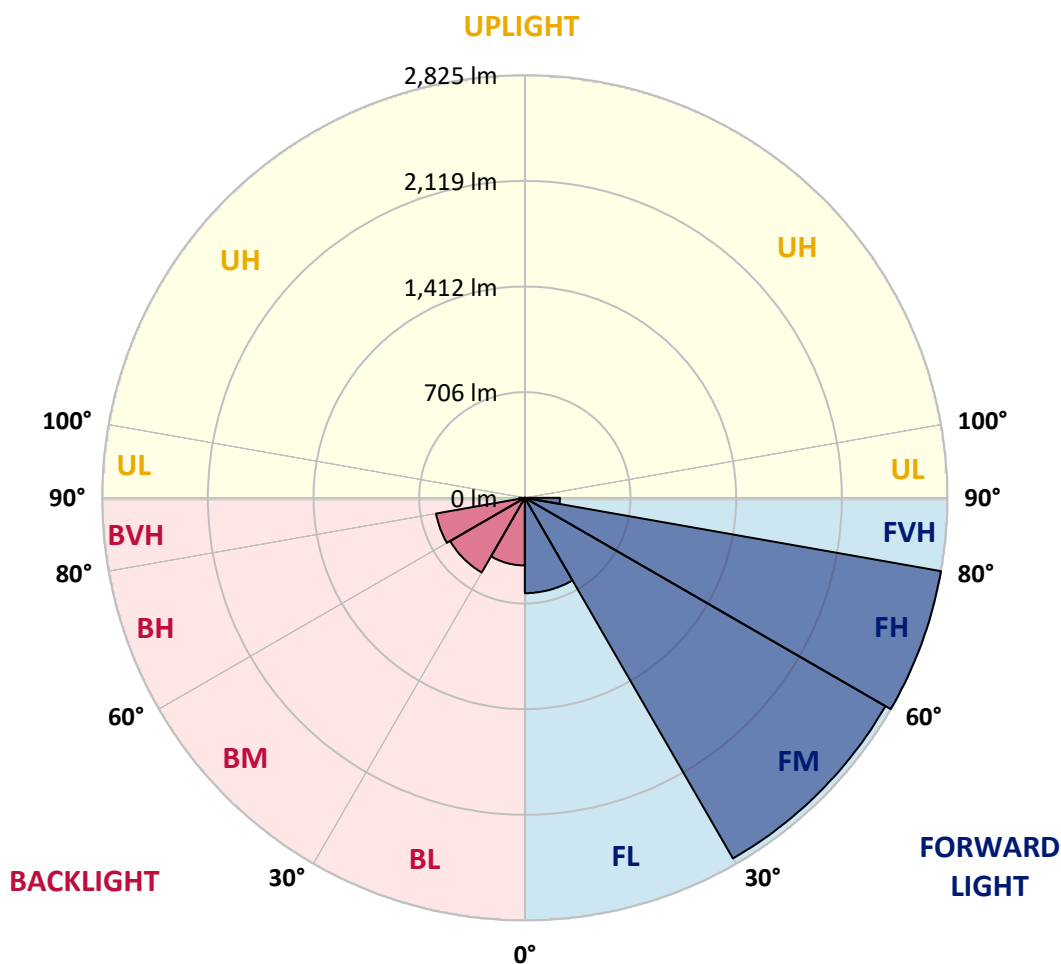
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	637.1	7.8			
FM	(30°-60°)	2783.6	34.2			
FH	(60°-80°)	2824.7	34.7			G2/5000
FVH	(80°-90°)	235.0	2.9			G3/500
BL	(0°-30°)	452.0	5.5	B1/500		
BM	(30°-60°)	576.1	7.1	B1/1000		
BH	(60°-80°)	602.1	7.4	B2/1000		G2/1000
BVH	(80°-90°)	37.6	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-G3

Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	1800.2	1800.2	1800.2	1800.2	1800.2	1800.2	1800.2	1800.2	1800.2	1800.2	1800.2
2.5°	1712.3	1721.4	1724.4	1730.5	1745.7	1757.8	1776.0	1785.1	1776.0	1788.1	1788.1
5°	1594.1	1582.0	1612.3	1624.4	1642.6	1666.9	1709.3	1742.6	1733.5	1769.9	1800.2
7.5°	1494.1	1494.1	1503.2	1530.5	1551.7	1588.1	1633.5	1685.1	1700.2	1748.7	1794.2
10°	1403.2	1415.3	1415.3	1457.8	1469.9	1512.3	1588.1	1651.7	1654.7	1736.6	1800.2
12.5°	1354.7	1348.6	1379.0	1391.1	1427.4	1469.9	1530.5	1609.3	1612.3	1700.2	1788.1
15°	1315.3	1321.4	1336.5	1366.8	1400.2	1433.5	1491.1	1563.8	1579.0	1682.0	1782.0
17.5°	1318.3	1321.4	1321.4	1342.6	1369.9	1409.3	1463.8	1548.7	1557.8	1657.8	1772.9
20°	1336.5	1324.4	1333.5	1342.6	1360.8	1397.1	1442.6	1515.3	1524.4	1654.7	1794.2
22.5°	1375.9	1366.8	1363.8	1360.8	1357.7	1379.0	1436.5	1497.1	1506.2	1639.6	1803.2
25°	1439.6	1436.5	1415.3	1394.1	1379.0	1379.0	1424.4	1512.3	1509.3	1639.6	1809.3
27.5°	1515.3	1515.3	1512.3	1472.9	1427.4	1403.2	1433.5	1506.2	1503.2	1639.6	1824.5
30°	1618.4	1618.4	1609.3	1572.9	1491.1	1421.4	1439.6	1500.2	1509.3	1627.5	1812.3
32.5°	1730.5	1727.5	1736.6	1703.2	1618.4	1506.2	1475.9	1512.3	1521.4	1639.6	1815.4
35°	1812.3	1830.5	1860.8	1830.5	1745.7	1594.1	1527.5	1536.5	1542.6	1642.6	1827.5
37.5°	1906.3	1927.5	1969.9	1994.2	1903.3	1727.5	1609.3	1575.9	1575.9	1682.0	1830.5
40°	2042.7	2021.5	2094.2	2136.6	2100.3	1891.1	1736.6	1648.7	1651.7	1733.5	1869.9
42.5°	2142.7	2163.9	2239.7	2315.4	2270.0	2091.2	1876.0	1766.9	1766.9	1809.3	1930.5
45°	2254.8	2279.1	2385.1	2476.1	2509.4	2330.6	2066.9	1936.6	1930.5	1957.8	2039.6
47.5°	2379.1	2412.4	2533.6	2639.7	2727.6	2579.1	2312.4	2142.7	2139.7	2160.9	2221.5
50°	2521.5	2533.6	2633.6	2827.6	3003.4	2909.4	2612.4	2433.6	2418.5	2427.6	2509.4
52.5°	2563.9	2554.9	2670.0	2879.1	3200.4	3312.5	3021.6	2764.0	2757.9	2736.7	2842.8
55°	2409.4	2439.7	2551.8	2818.5	3361.0	3788.3	3470.1	3215.5	3161.0	3103.4	3230.7
57.5°	2100.3	2103.3	2230.6	2545.8	3236.8	4182.3	4230.8	3658.0	3661.0	3506.5	3652.0
60°	1633.5	1624.4	1724.4	2009.3	2882.2	4303.5	5061.2	4364.2	4333.9	3909.6	4042.9
62.5°	1178.9	1160.7	1182.0	1348.6	2154.8	4118.7	5876.5	5155.2	5027.9	4321.7	4424.8
65°	969.8	978.9	988.0	997.1	1209.2	3397.4	6128.0	6446.2	6276.5	4803.6	4846.0
67.5°	803.1	809.2	848.6	903.1	897.1	2006.3	5837.1	7640.3	7576.7	5400.6	5209.7
70°	681.9	678.9	724.3	824.3	839.5	1042.5	4621.8	7885.8	8022.2	6043.2	5621.9
72.5°	545.5	551.6	591.0	724.3	824.3	878.9	2660.9	7358.5	7355.4	6537.1	5400.6
75°	391.0	391.0	445.5	600.1	797.1	869.8	1472.9	5973.4	6085.6	6143.2	4685.4
77.5°	257.6	269.7	312.2	448.5	748.6	851.6	933.4	4342.9	4482.4	4594.5	3585.3
80°	175.8	181.8	209.1	312.2	633.4	857.7	763.7	2921.6	2976.1	2536.7	1454.7
82.5°	106.1	109.1	139.4	218.2	454.6	815.2	718.3	1612.3	1579.0	766.8	418.2
85°	57.6	60.6	87.9	145.5	300.0	712.2	706.1	791.0	736.5	281.9	175.8
87.5°	21.2	21.2	39.4	72.7	172.7	487.9	615.2	469.8	439.4	142.4	81.8
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°	1800.2	1800.2	1800.2	1800.2	1800.2	1800.2	1800.2	1800.2	1800.2	1800.2	1800.2
2.5°	1803.2	1803.2	1803.2	1803.2	1800.2	1788.1	1797.2	1794.2	1776.0	1779.0	1766.9
5°	1797.2	1812.3	1803.2	1791.1	1776.0	1739.6	1727.5	1718.4	1694.1	1685.1	1694.1
7.5°	1812.3	1800.2	1794.2	1772.9	1712.3	1679.0	1636.6	1585.0	1548.7	1539.6	1548.7
10°	1809.3	1809.3	1782.0	1721.4	1663.8	1566.9	1512.3	1421.4	1369.9	1354.7	1357.7
12.5°	1797.2	1806.3	1763.8	1666.9	1557.8	1439.6	1339.6	1242.6	1151.7	1115.3	1109.2
15°	1809.3	1800.2	1724.4	1600.2	1448.7	1285.0	1139.5	997.1	912.2	857.7	845.6
17.5°	1791.1	1782.0	1672.9	1509.3	1306.2	1097.1	915.3	760.7	675.8	654.6	654.6
20°	1812.3	1754.8	1612.3	1400.2	1157.7	891.0	684.9	569.8	548.6	548.6	554.6
22.5°	1809.3	1748.7	1560.8	1294.1	978.9	672.8	509.2	475.8	478.8	503.1	500.1
25°	1791.1	1736.6	1488.1	1175.9	791.0	506.1	421.3	412.2	433.4	460.7	457.6
27.5°	1788.1	1703.2	1421.4	1036.5	603.1	400.0	366.7	366.7	387.9	412.2	409.1
30°	1769.9	1676.0	1339.6	878.9	454.6	348.5	336.4	336.4	345.5	357.6	357.6
32.5°	1766.9	1639.6	1248.6	715.2	363.7	315.2	309.1	312.2	312.2	318.2	315.2
35°	1742.6	1591.1	1154.7	554.6	315.2	297.0	290.9	287.9	287.9	284.9	284.9
37.5°	1733.5	1560.8	1057.7	430.4	294.0	281.9	275.8	266.7	263.7	263.7	260.6
40°	1742.6	1530.5	963.8	348.5	275.8	269.7	260.6	248.5	245.5	245.5	245.5
42.5°	1776.0	1527.5	866.8	303.1	266.7	257.6	245.5	233.4	230.3	233.4	230.3
45°	1851.7	1551.7	772.8	281.9	254.6	245.5	230.3	221.2	218.2	221.2	221.2
47.5°	1976.0	1618.4	688.0	269.7	245.5	233.4	218.2	209.1	209.1	209.1	209.1
50°	2182.1	1745.7	606.1	260.6	239.4	224.3	209.1	197.0	194.0	194.0	197.0
52.5°	2491.2	1963.9	539.5	254.6	230.3	212.1	197.0	187.9	181.8	178.8	181.8
55°	2864.0	2282.1	518.2	248.5	218.2	203.1	187.9	175.8	169.7	169.7	166.7
57.5°	3264.0	2633.6	554.6	242.5	209.1	190.9	175.8	163.7	157.6	154.6	154.6
60°	3697.4	3048.9	688.0	239.4	200.0	178.8	163.7	154.6	145.5	142.4	142.4
62.5°	4091.4	3424.7	927.4	236.4	194.0	166.7	151.5	139.4	133.3	130.3	130.3
65°	4539.9	3842.9	1160.7	248.5	190.9	157.6	139.4	127.3	121.2	118.2	118.2
67.5°	4930.9	4206.6	1297.1	278.8	200.0	145.5	124.3	115.2	112.1	109.1	109.1
70°	5215.8	4318.7	869.8	306.1	215.2	136.4	112.1	106.1	100.0	100.0	100.0
72.5°	4833.9	3855.0	515.2	287.9	203.1	127.3	100.0	94.0	90.9	90.9	87.9
75°	4133.8	3282.2	397.0	233.4	163.7	109.1	87.9	81.8	78.8	78.8	75.8
77.5°	3051.9	2351.8	294.0	184.9	127.3	87.9	75.8	72.7	69.7	66.7	66.7
80°	1194.1	1030.4	200.0	136.4	94.0	69.7	63.6	60.6	57.6	54.6	54.6
82.5°	369.7	312.2	115.2	90.9	66.7	54.6	51.5	48.5	45.5	42.4	42.4
85°	160.6	154.6	75.8	57.6	45.5	36.4	36.4	33.3	30.3	27.3	27.3
87.5°	78.8	75.8	42.4	27.3	24.2	18.2	18.2	15.2	12.1	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)