

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: P677012

Luminaire Tested: **CCW-SA-2B-750-U-SL3-HSS**

Issue Date: 04/25/2023

Test Information

Test Method: LM-79-08
Report Number: P677012
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-2B-750-U-SL3-HSS
Description: INVUE CLEAR CURVE Wall Pack MOUNT Light Square Luminaire @450mA w/
SL3 distribution lens and House Side Shield
Light Source: (32) 5000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

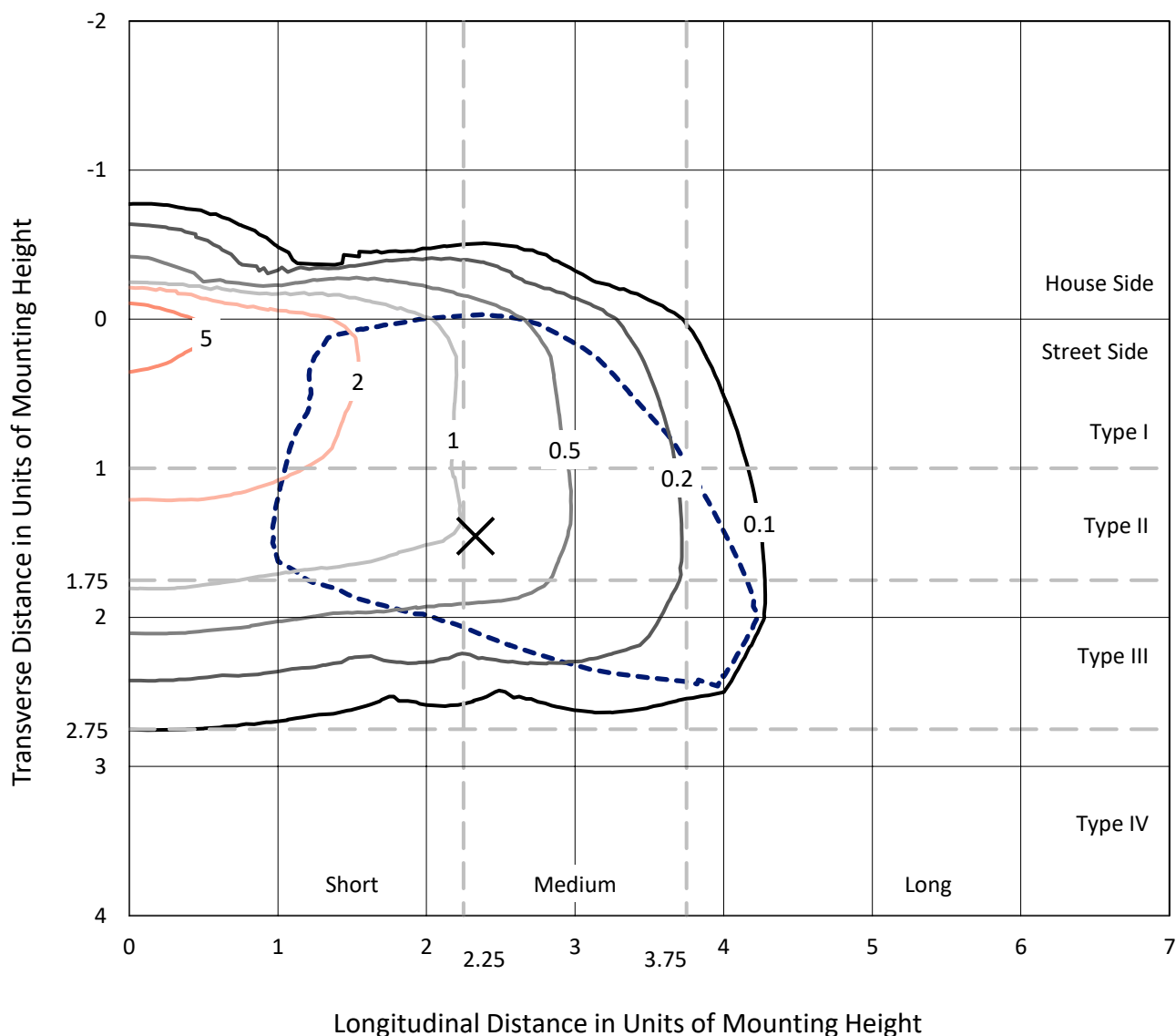
Lumens per Lamp: N/A
Luminaire Lumens: 5837.6 lumens
Efficiency: N/A
Efficacy: 126.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

Input Watts (W): 46
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

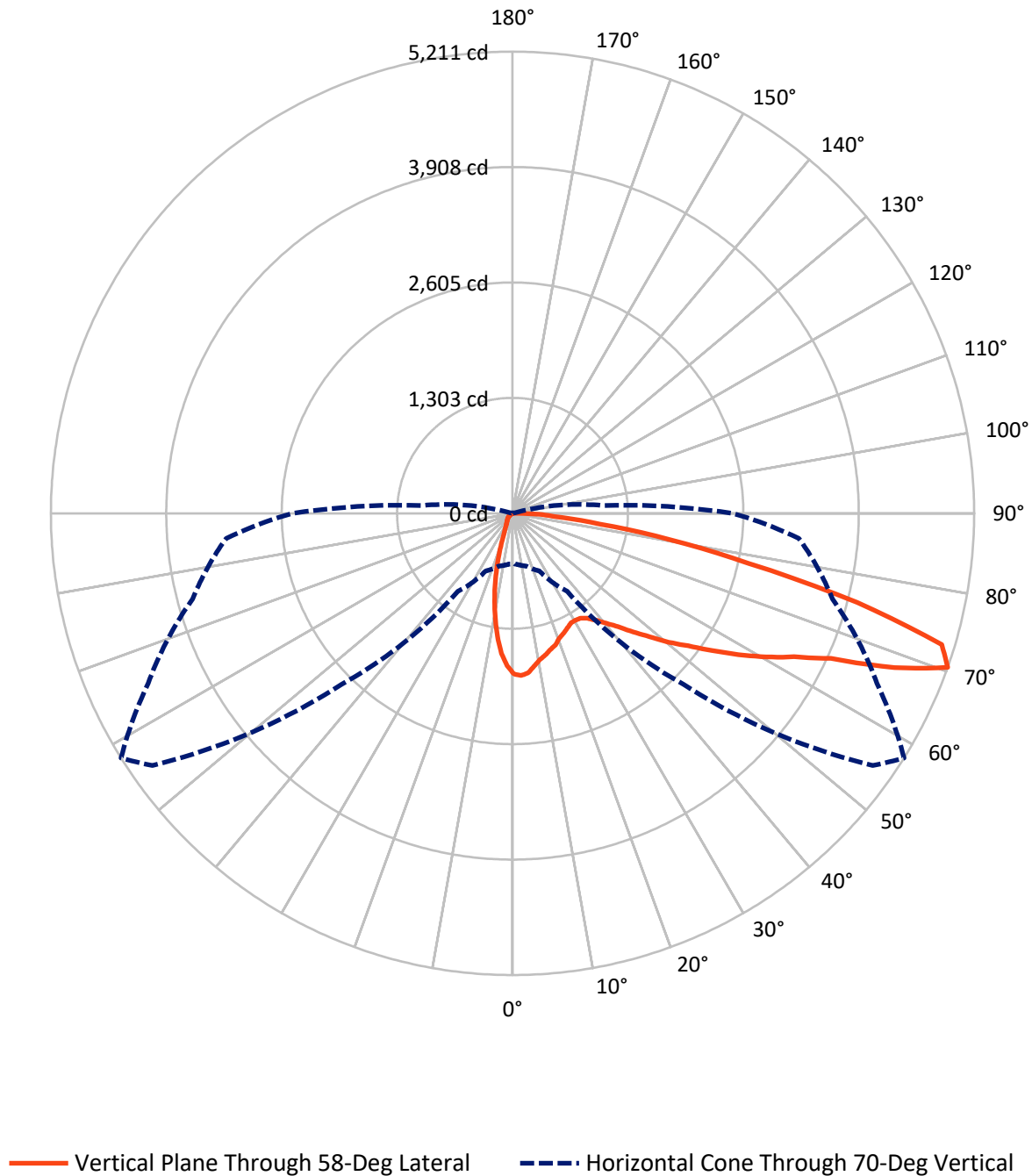
✕ Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 8.1 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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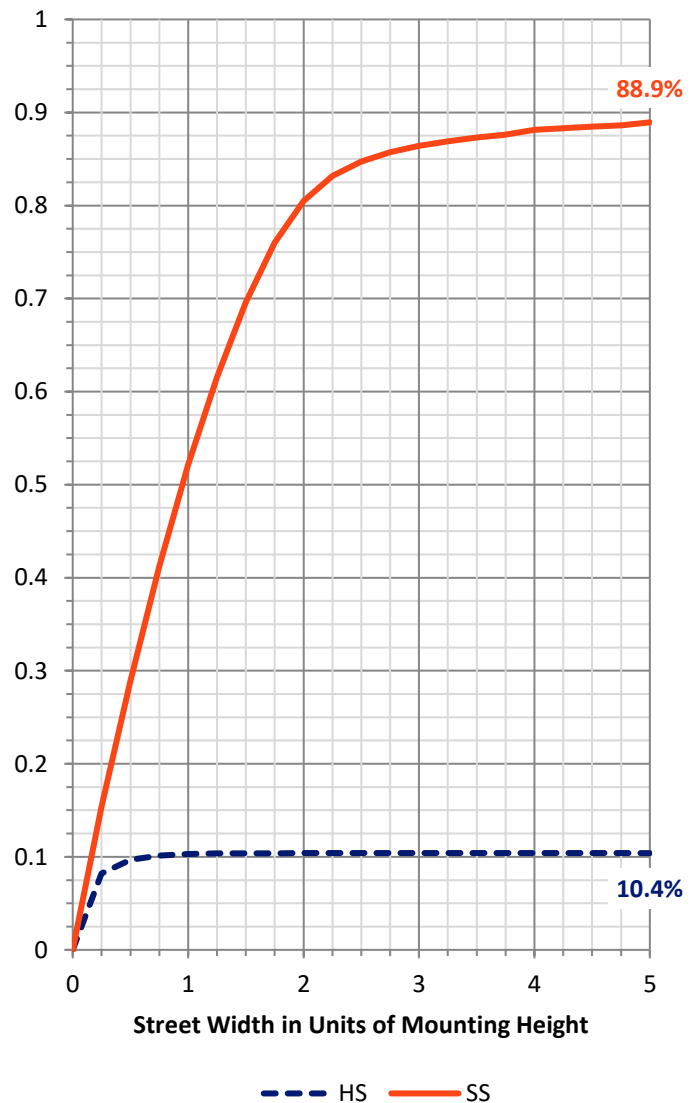
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	611.3	0.0	611.3
	% Fixture	10.5	0.0	10.5
Street Side	Lumens	5226.3	0.0	5226.3
	% Fixture	89.5	0.0	89.5
Total	Lumens	5837.6	0.0	5837.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	147.9	2.5
10°-20°	307.8	5.3
20°-30°	412.2	7.1
30°-40°	557.2	9.5
40°-50°	799.7	13.7
50°-60°	1178.5	20.2
60°-70°	1437.4	24.6
70°-80°	877.8	15.0
80°-90°	119.2	2.0
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°	5837.6	100.0
0°-180°	5837.6	100.0

Coefficient of Utilization



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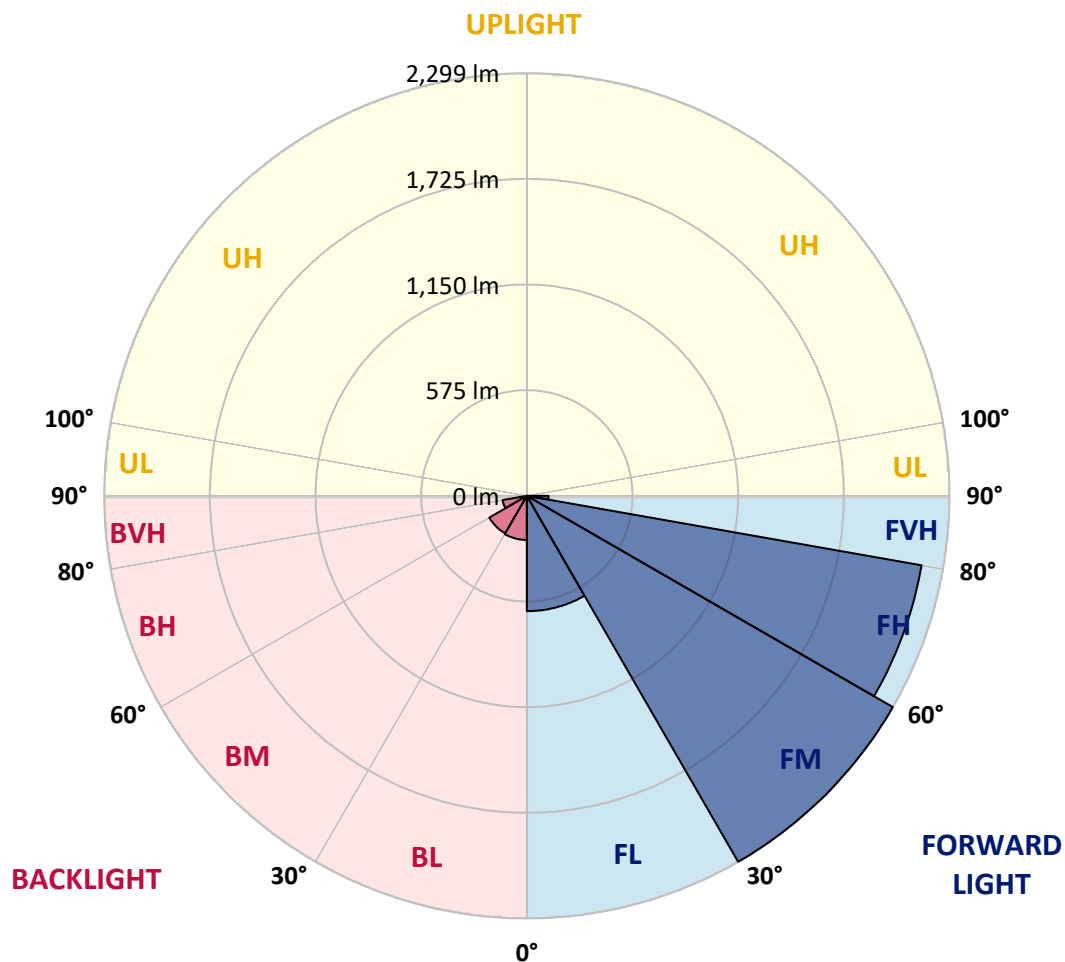
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	627.6	10.8			
FM	(30°-60°)	2299.4	39.4			
FH	(60°-80°)	2181.2	37.4			G2/5000
FVH	(80°-90°)	118.1	2.0			G2/225
BL	(0°-30°)	240.2	4.1	B1/500		
BM	(30°-60°)	235.9	4.0	B1/1000		
BH	(60°-80°)	134.0	2.3	B1/500		G1/500
BVH	(80°-90°)	1.2	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 III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	1812.2	1812.2	1812.2	1812.2	1812.2	1812.2	1812.2	1812.2	1812.2	1812.2	1812.2
2.5°	1845.0	1851.9	1835.4	1854.6	1836.8	1845.0	1835.4	1832.7	1834.1	1835.4	1824.5
5°	1758.8	1775.2	1782.1	1771.1	1797.1	1793.0	1809.4	1810.8	1804.0	1797.1	1798.5
7.5°	1645.2	1661.6	1668.5	1675.3	1701.3	1735.5	1757.4	1743.7	1754.7	1779.3	1742.4
10°	1563.1	1559.0	1557.6	1571.3	1620.5	1649.3	1686.2	1682.1	1709.5	1732.8	1702.7
12.5°	1461.8	1453.6	1478.2	1489.2	1533.0	1583.6	1612.3	1642.4	1669.8	1694.5	1660.2
15°	1386.5	1393.3	1402.9	1426.2	1457.7	1524.7	1567.2	1595.9	1645.2	1657.5	1643.8
17.5°	1326.3	1331.8	1345.4	1357.8	1397.4	1461.8	1528.8	1563.1	1615.1	1647.9	1605.5
20°	1327.6	1311.2	1311.2	1323.5	1345.4	1422.1	1493.3	1504.2	1575.4	1631.5	1602.8
22.5°	1329.0	1323.5	1311.2	1309.9	1319.4	1374.2	1446.7	1471.4	1548.0	1613.7	1579.5
25°	1348.2	1327.6	1329.0	1309.9	1314.0	1341.3	1398.8	1435.8	1523.4	1623.3	1567.2
27.5°	1364.6	1374.2	1355.0	1346.8	1323.5	1322.2	1370.1	1401.6	1511.1	1645.2	1575.4
30°	1401.6	1408.4	1408.4	1402.9	1381.0	1349.5	1360.5	1400.2	1486.4	1641.1	1561.7
32.5°	1463.1	1450.8	1467.3	1459.0	1430.3	1381.0	1390.6	1411.1	1501.5	1693.1	1583.6
35°	1483.7	1493.3	1515.2	1497.4	1487.8	1459.0	1439.9	1454.9	1523.4	1745.1	1616.4
37.5°	1546.6	1533.0	1548.0	1587.7	1597.3	1545.3	1508.3	1530.2	1605.5	1806.7	1646.6
40°	1552.1	1563.1	1590.4	1668.5	1678.0	1656.1	1626.0	1631.5	1687.6	1886.1	1721.8
42.5°	1579.5	1591.8	1647.9	1713.6	1765.6	1769.7	1747.8	1747.8	1795.7	2013.4	1805.3
45°	1632.9	1612.3	1684.9	1795.7	1871.0	1886.1	1914.8	1908.0	1946.3	2147.5	1961.4
47.5°	1653.4	1660.2	1739.6	1873.8	1960.0	2029.8	2077.7	2079.1	2098.2	2318.6	2163.9
50°	1720.5	1719.1	1814.9	1939.5	2066.7	2194.0	2287.1	2287.1	2285.7	2485.6	2337.8
52.5°	1809.4	1806.7	1880.6	2028.4	2194.0	2354.2	2477.4	2481.5	2512.9	2690.9	2537.6
55°	1954.5	1942.2	2013.4	2122.9	2321.3	2515.7	2729.2	2730.6	2705.9	2837.3	2681.3
57.5°	2076.3	2075.0	2133.8	2239.2	2463.7	2723.7	2971.5	3008.4	2930.4	2987.9	2796.3
60°	2044.8	2062.6	2184.5	2340.5	2614.2	2983.8	3232.9	3290.4	3165.8	3090.5	2882.5
62.5°	1849.1	1890.2	2022.9	2272.1	2741.5	3361.5	3592.9	3566.8	3289.0	3178.1	2987.9
65°	1330.4	1371.4	1535.7	1909.3	2593.7	3628.4	4066.4	3948.7	3508.0	3308.2	3128.9
67.5°	782.9	799.3	902.0	1218.1	1939.5	3483.4	4641.3	4650.9	3939.1	3508.0	3372.5
70°	565.3	577.6	617.3	718.6	1074.4	2730.6	4961.6	5210.7	4537.3	3737.9	3243.8
72.5°	433.9	433.9	500.9	598.1	684.4	1635.6	4566.0	5065.6	4667.3	3517.6	2614.2
75°	312.1	320.3	392.8	514.6	631.0	821.2	3364.3	4019.9	3955.6	2851.0	1825.9
77.5°	179.3	183.4	276.5	431.1	592.7	563.9	2079.1	2725.1	2801.7	1784.8	791.1
80°	91.7	94.4	154.7	340.8	536.5	491.4	1240.0	1794.4	1522.0	518.7	183.4
82.5°	45.2	45.2	69.8	217.6	455.8	435.2	729.5	990.9	539.3	119.1	76.6
85°	15.1	16.4	31.5	123.2	329.9	262.8	446.2	470.8	180.7	45.2	42.4
87.5°	4.1	5.5	8.2	45.2	143.7	172.5	265.5	301.1	73.9	17.8	20.5
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°	1812.2	1812.2	1812.2	1812.2	1812.2	1812.2	1812.2	1812.2	1812.2	1812.2	1812.2
2.5°	1783.4	1773.8	1762.9	1735.5	1713.6	1684.9	1665.7	1650.7	1621.9	1627.4	1615.1
5°	1765.6	1747.8	1684.9	1624.7	1569.9	1486.4	1428.9	1392.0	1361.9	1331.8	1353.7
7.5°	1734.2	1691.7	1593.2	1480.9	1364.6	1255.1	1145.6	1079.9	1032.0	988.2	986.8
10°	1680.8	1612.3	1457.7	1311.2	1131.9	988.2	848.6	739.1	667.9	615.9	614.5
12.5°	1620.5	1549.4	1355.0	1116.9	910.2	707.6	540.6	424.3	357.2	316.2	310.7
15°	1582.2	1478.2	1226.4	944.4	688.5	461.3	299.7	227.2	201.2	191.6	191.6
17.5°	1533.0	1413.9	1099.1	765.1	477.7	266.9	194.4	175.2	173.8	171.1	168.4
20°	1512.4	1364.6	985.5	610.4	302.5	188.9	167.0	162.9	162.9	160.1	157.4
22.5°	1457.7	1293.4	865.0	447.6	201.2	165.6	157.4	151.9	149.2	146.5	149.2
25°	1433.0	1242.8	751.4	309.3	164.2	147.8	143.7	138.2	134.1	132.8	132.8
27.5°	1416.6	1192.1	640.6	214.9	145.1	135.5	127.3	123.2	117.7	112.2	112.2
30°	1404.3	1152.5	533.8	158.8	130.0	120.4	113.6	104.0	97.2	91.7	91.7
32.5°	1387.9	1105.9	427.0	135.5	117.7	108.1	95.8	87.6	78.0	73.9	73.9
35°	1393.3	1074.4	335.3	120.4	105.4	93.1	82.1	71.2	61.6	57.5	56.1
37.5°	1404.3	1051.2	254.6	108.1	94.4	80.8	68.4	56.1	50.6	45.2	45.2
40°	1450.8	1044.3	187.5	99.9	86.2	71.2	57.5	46.5	41.1	37.0	35.6
42.5°	1528.8	1053.9	145.1	90.3	78.0	60.2	47.9	38.3	32.8	28.7	27.4
45°	1628.8	1090.9	119.1	84.9	68.4	50.6	38.3	31.5	24.6	21.9	21.9
47.5°	1773.8	1148.3	104.0	78.0	60.2	42.4	32.8	24.6	19.2	16.4	16.4
50°	1938.1	1214.0	91.7	69.8	52.0	35.6	26.0	19.2	13.7	12.3	12.3
52.5°	2102.3	1297.5	84.9	64.3	45.2	28.7	20.5	13.7	9.6	8.2	8.2
55°	2274.8	1371.4	76.6	60.2	37.0	23.3	15.1	8.2	5.5	4.1	4.1
57.5°	2395.2	1400.2	67.1	52.0	28.7	17.8	10.9	5.5	2.7	1.4	1.4
60°	2481.5	1404.3	57.5	42.4	21.9	13.7	6.8	2.7	1.4	0.0	0.0
62.5°	2554.0	1412.5	49.3	32.8	16.4	9.6	4.1	1.4	0.0	0.0	0.0
65°	2697.7	1405.7	39.7	26.0	10.9	5.5	2.7	0.0	0.0	0.0	0.0
67.5°	2811.3	1337.2	31.5	17.8	6.8	2.7	1.4	0.0	0.0	0.0	0.0
70°	2486.9	1019.7	24.6	12.3	4.1	1.4	0.0	0.0	0.0	0.0	0.0
72.5°	1953.1	680.2	16.4	6.8	2.7	1.4	0.0	0.0	0.0	0.0	0.0
75°	1281.1	338.1	12.3	4.1	1.4	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	498.2	89.0	8.2	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	120.4	30.1	4.1	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	52.0	10.9	2.7	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	31.5	5.5	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	16.4	2.7	1.4	1.4	0.0	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)