

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: P671958

Luminaire Tested: **CCP-SA-1D-735-U-AFL**

Issue Date: 04/16/2023

Test Information

Test Method: LM-79-08
Report Number: P671958
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1D-735-U-AFL
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @800mA w/ AFL
distribution lens
Light Source: (16) 3500K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5550.8 lumens
Efficiency: N/A
Efficacy: 126.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

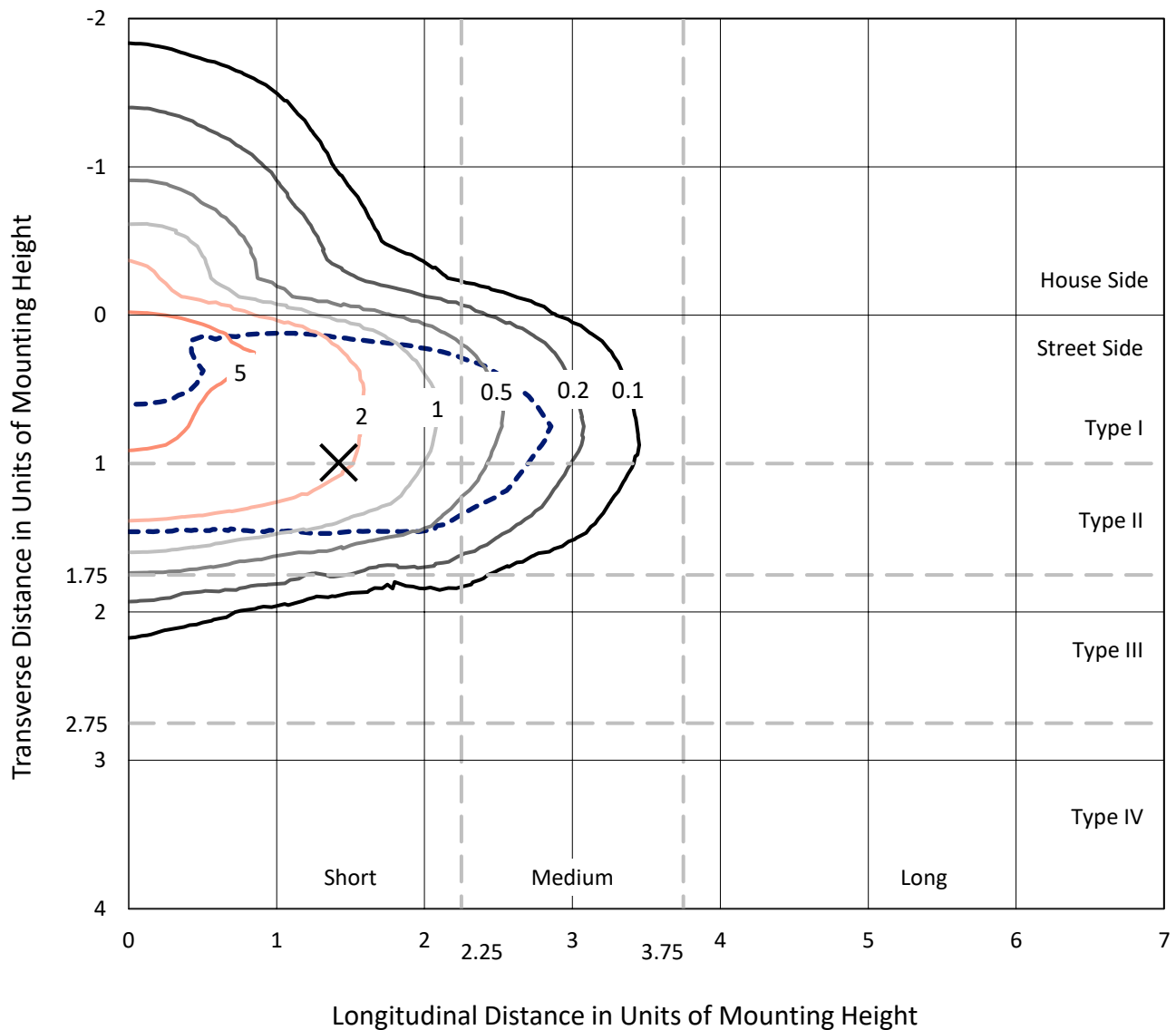
Input Watts (W): 44
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Iso-Footcandle Lines of Horizontal Illumination

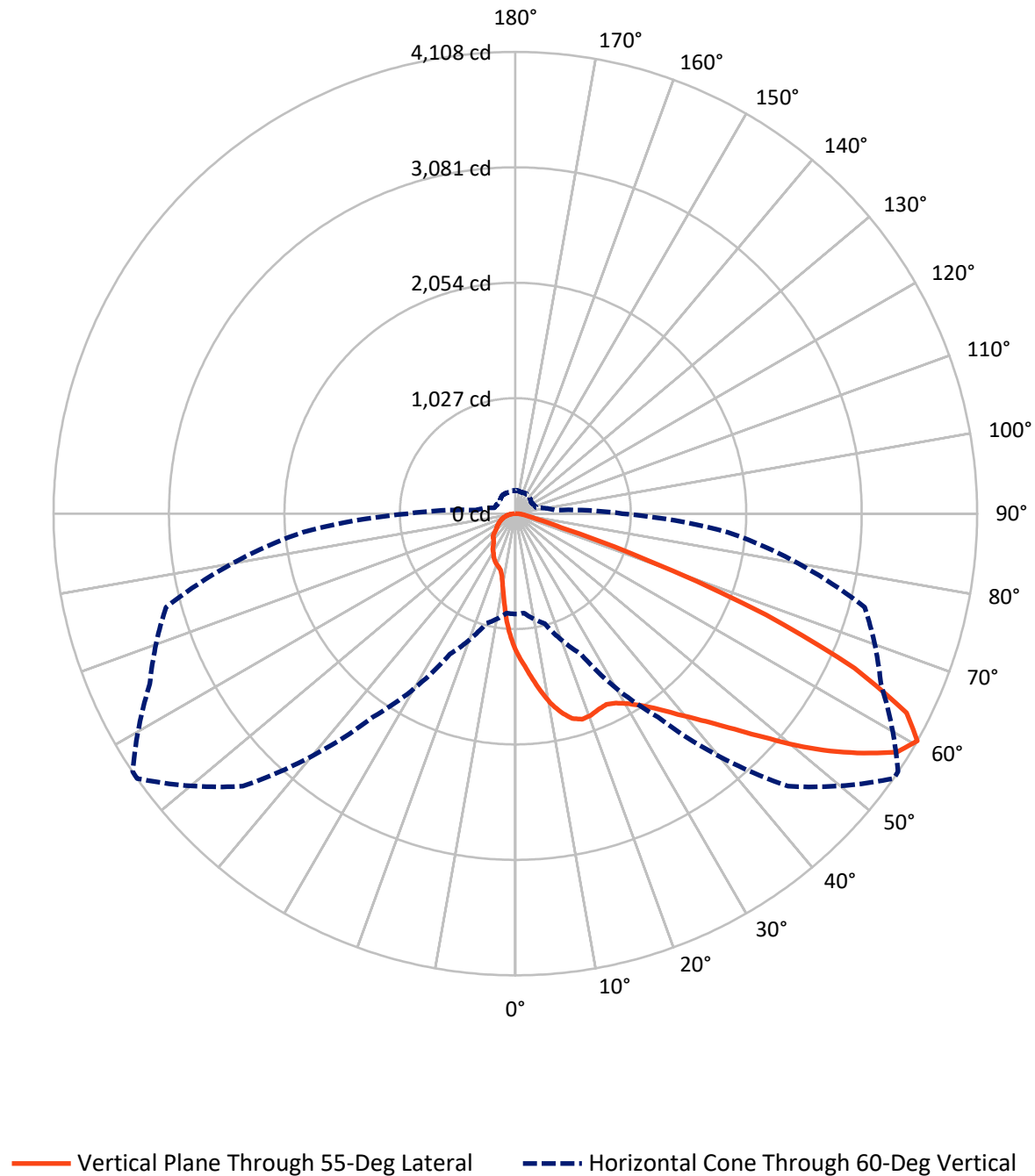
✕ Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 7.7 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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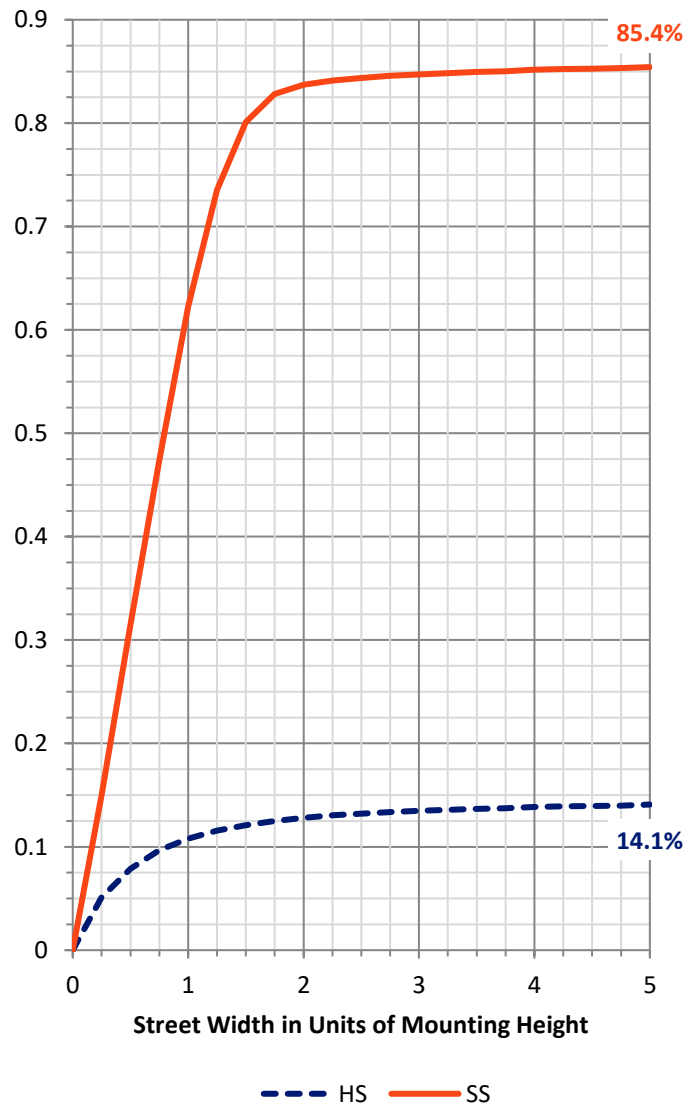
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	798.0	0.0	798.0
	% Fixture	14.4	0.0	14.4
Street Side	Lumens	4752.9	0.0	4752.9
	% Fixture	85.6	0.0	85.6
Total	Lumens	5550.8	0.0	5550.8
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	115.2	2.1
10°-20°	326.4	5.9
20°-30°	531.4	9.6
30°-40°	794.3	14.3
40°-50°	1167.4	21.0
50°-60°	1368.3	24.6
60°-70°	902.2	16.3
70°-80°	287.3	5.2
80°-90°	58.4	1.1
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°	5550.8	100.0
0°-180°	5550.8	100.0



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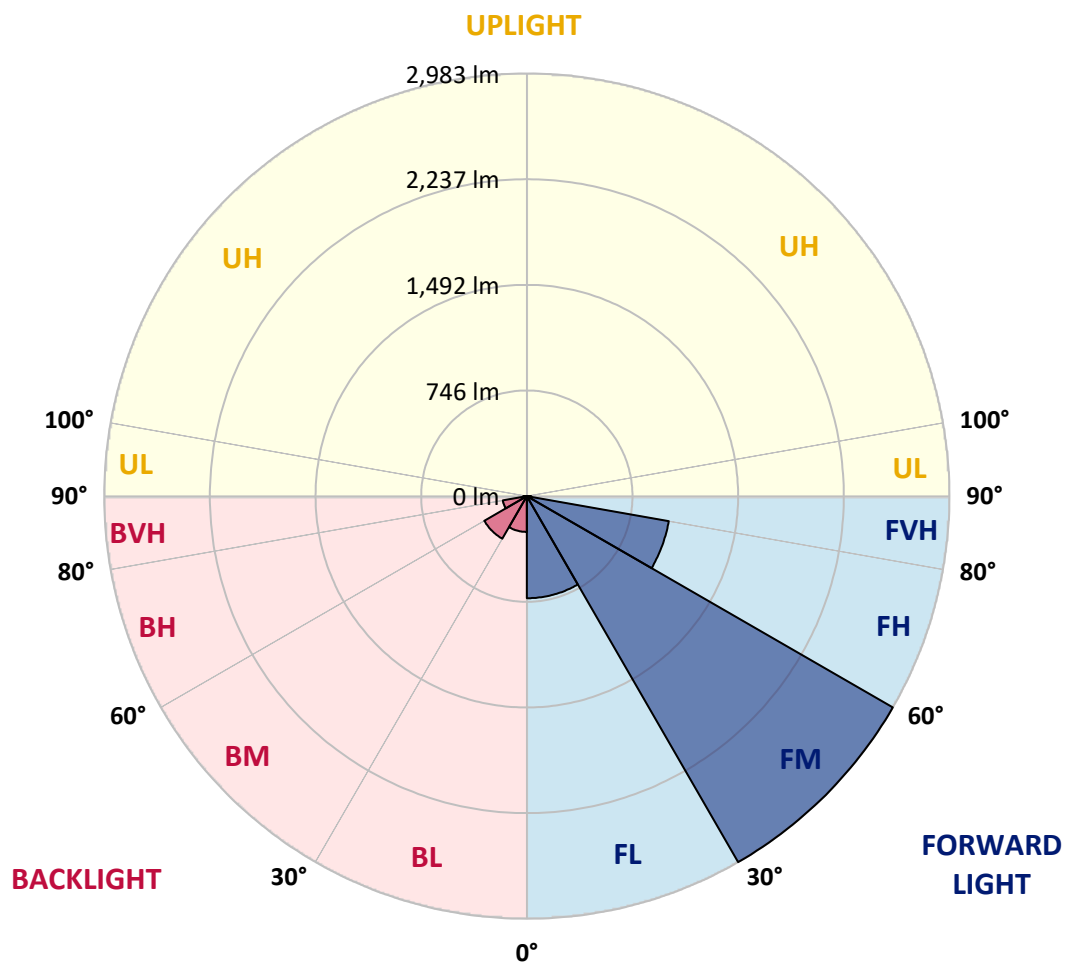
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	720.4	13.0			
FM	(30°-60°)	2983.1	53.7			
FH	(60°-80°)	1017.3	18.3			G1/1800
FVH	(80°-90°)	32.0	0.6			G1/100
BL	(0°-30°)	252.6	4.6	B1/500		
BM	(30°-60°)	346.8	6.2	B1/1000		
BH	(60°-80°)	172.2	3.1	B1/500		G1/500
BVH	(80°-90°)	26.4	0.5			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	1231.0	1231.0	1231.0	1231.0	1231.0	1231.0	1231.0	1231.0	1231.0	1231.0	1231.0
2.5°	1432.6	1427.4	1427.4	1414.1	1394.4	1367.0	1334.4	1326.4	1313.9	1282.1	1241.1
5°	1651.1	1645.4	1637.8	1614.4	1577.8	1523.1	1454.3	1441.9	1397.2	1331.6	1257.6
7.5°	1795.5	1792.3	1789.8	1769.7	1733.5	1679.6	1587.5	1573.4	1497.8	1389.2	1273.3
10°	1780.6	1790.3	1807.1	1821.2	1828.5	1800.7	1714.2	1697.7	1604.0	1455.9	1296.6
12.5°	1641.0	1654.7	1686.1	1743.6	1810.0	1863.5	1814.4	1805.1	1717.4	1526.7	1326.0
15°	1537.2	1542.8	1558.1	1600.8	1699.7	1842.5	1892.0	1883.6	1823.2	1617.7	1359.8
17.5°	1505.0	1507.4	1511.1	1525.1	1592.7	1760.9	1923.8	1931.9	1925.8	1712.2	1398.0
20°	1521.1	1522.7	1523.1	1525.5	1557.7	1692.5	1915.4	1929.0	2015.9	1806.7	1435.8
22.5°	1583.1	1581.1	1578.2	1569.0	1587.1	1680.4	1892.8	1914.6	2085.5	1892.8	1470.8
25°	1691.3	1688.5	1668.8	1649.4	1657.1	1723.9	1880.8	1904.1	2139.9	1974.1	1496.6
27.5°	1820.0	1817.2	1797.1	1760.5	1752.4	1796.3	1908.9	1923.4	2179.7	2046.1	1507.8
30°	1953.6	1953.6	1928.6	1886.4	1860.7	1879.2	1960.8	1972.5	2209.9	2115.7	1515.1
32.5°	2099.2	2103.2	2064.6	2016.3	1987.8	1976.9	2033.6	2043.7	2253.7	2197.8	1530.4
35°	2286.3	2277.4	2230.4	2166.8	2120.9	2096.4	2123.8	2135.4	2318.1	2300.0	1554.9
37.5°	2496.7	2481.0	2423.1	2347.0	2267.0	2225.9	2244.0	2246.9	2413.4	2433.1	1599.6
40°	2670.5	2667.7	2618.6	2546.6	2445.6	2390.5	2381.6	2383.2	2545.8	2590.8	1667.1
42.5°	2816.9	2806.5	2797.6	2772.3	2665.3	2574.7	2538.5	2538.9	2689.4	2753.8	1735.1
45°	2881.7	2879.7	2905.8	2971.0	2894.2	2787.6	2736.1	2743.3	2853.9	2921.1	1800.7
47.5°	2853.9	2855.5	2925.6	3096.5	3142.0	3060.3	2969.0	2964.6	3013.3	3049.5	1858.6
50°	2606.1	2632.3	2821.8	3108.2	3304.5	3345.2	3242.2	3225.7	3152.9	3151.6	1894.0
52.5°	2419.1	2417.8	2534.1	2989.5	3362.0	3602.2	3509.7	3472.7	3268.3	3209.2	1896.9
55°	2166.4	2164.8	2251.3	2642.3	3247.8	3781.7	3761.9	3715.7	3374.1	3228.1	1877.5
57.5°	1640.6	1671.2	1757.3	2115.3	2885.7	3753.1	4002.9	3964.3	3477.5	3219.6	1873.9
60°	892.7	889.1	1013.8	1378.7	2209.5	3428.8	4107.9	4105.9	3587.3	3216.4	1896.1
62.5°	411.6	407.5	432.5	613.9	1266.9	2746.9	3905.2	3934.1	3689.1	3187.0	1894.0
65°	307.8	297.3	263.5	285.6	484.8	1639.8	3317.0	3394.2	3532.2	3066.4	1806.3
67.5°	274.4	264.3	224.9	210.8	243.4	578.5	2406.2	2477.4	2953.7	2840.3	1664.3
70°	251.4	242.6	203.2	181.0	182.6	256.3	1259.6	1399.6	2164.8	2370.4	1418.5
72.5°	229.3	221.7	185.9	159.3	153.7	169.4	429.3	517.8	1346.5	1727.5	1057.7
75°	206.0	198.7	167.4	142.8	132.0	125.5	204.4	220.1	712.1	953.9	567.7
77.5°	179.0	175.0	149.3	125.9	116.7	94.9	136.0	142.8	304.9	374.5	270.3
80°	155.7	152.5	133.2	114.3	104.6	73.2	93.7	98.6	150.5	187.1	151.3
82.5°	101.4	109.4	110.2	98.2	92.1	58.7	62.0	65.6	99.8	110.2	66.0
85°	41.8	50.7	76.0	67.6	64.0	49.9	41.0	41.8	61.2	64.4	23.7
87.5°	18.9	20.9	37.4	37.8	33.0	18.9	20.5	22.5	31.4	31.0	10.5
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°	1231.0	1231.0	1231.0	1231.0	1231.0	1231.0	1231.0	1231.0	1231.0	1231.0	1231.0
2.5°	1229.8	1211.3	1178.3	1136.1	1105.9	1083.8	1059.7	1042.0	1022.3	1005.0	1007.8
5°	1227.0	1191.2	1117.2	1038.7	962.3	899.6	847.3	808.6	768.8	753.1	751.1
7.5°	1229.4	1168.7	1047.2	918.9	802.6	722.5	661.8	625.2	602.2	589.0	589.8
10°	1228.6	1147.4	971.6	794.5	667.4	594.2	557.2	545.1	543.1	544.7	547.1
12.5°	1229.8	1118.4	886.7	682.7	570.5	533.1	534.7	545.5	552.4	556.8	559.6
15°	1235.1	1094.7	799.8	594.6	519.8	521.0	538.3	555.2	565.2	570.1	572.5
17.5°	1242.7	1064.9	722.5	527.8	498.5	517.0	539.5	557.6	565.2	568.1	570.1
20°	1243.5	1030.7	644.5	482.0	484.4	508.5	528.2	542.7	552.4	555.6	557.2
22.5°	1239.9	984.4	564.4	448.6	468.3	492.4	509.3	525.8	512.9	502.5	499.7
25°	1224.6	926.1	496.0	421.2	448.2	470.7	490.0	471.9	465.9	457.8	458.6
27.5°	1191.6	853.3	431.7	395.5	424.4	456.6	442.5	440.1	432.5	424.4	424.4
30°	1148.2	776.4	377.8	368.5	395.9	412.0	415.2	411.6	407.1	396.7	397.5
32.5°	1109.2	695.2	339.5	346.0	377.8	377.8	391.8	391.8	375.8	346.4	346.4
35°	1070.5	618.7	311.4	327.1	348.0	354.8	374.1	348.8	325.9	312.6	311.8
37.5°	1040.4	553.6	292.9	311.0	319.0	336.3	336.7	318.2	310.6	298.5	297.3
40°	1022.7	498.9	281.6	302.9	303.7	319.8	293.3	298.5	296.9	287.6	286.4
42.5°	1013.0	456.6	273.2	296.1	292.1	276.4	271.6	280.4	283.2	278.4	276.4
45°	1005.4	423.6	266.3	272.4	282.8	254.3	252.2	259.1	265.1	264.7	263.1
47.5°	1001.3	400.7	260.3	257.5	259.5	241.0	237.0	240.2	247.8	252.6	252.2
50°	985.6	383.0	251.4	242.2	229.3	229.3	227.3	227.3	236.6	246.2	247.0
52.5°	957.9	362.1	238.6	227.7	212.8	219.3	220.1	218.5	228.1	238.6	239.4
55°	927.3	346.4	221.3	214.4	199.1	210.0	213.6	212.0	218.5	225.7	225.3
57.5°	927.7	346.0	206.4	201.2	186.3	198.3	207.2	207.6	207.2	212.4	212.4
60°	951.0	354.0	194.7	183.5	171.4	185.9	200.3	200.3	197.5	205.2	206.0
62.5°	957.9	353.2	187.5	166.6	158.1	174.6	190.3	192.7	190.7	201.6	202.8
65°	897.5	334.3	180.2	151.3	146.0	162.1	177.8	184.7	182.6	196.7	198.3
67.5°	813.9	309.8	169.0	137.6	133.6	150.1	164.9	172.2	171.8	190.3	191.1
70°	701.6	279.6	154.9	123.5	121.5	136.0	149.3	156.9	160.5	181.8	181.4
72.5°	543.5	239.8	133.6	108.6	108.2	121.5	133.2	141.6	148.4	169.0	169.0
75°	350.4	188.7	109.0	94.1	92.5	105.0	117.1	126.7	147.6	180.2	179.8
77.5°	214.0	144.0	87.7	78.4	78.0	89.3	101.4	117.9	161.3	160.5	156.1
80°	128.3	103.4	70.0	62.8	62.8	73.2	86.5	126.3	134.0	152.9	144.4
82.5°	66.8	63.6	52.3	46.3	48.3	57.5	78.9	101.0	109.4	92.9	85.3
85°	27.4	33.8	32.2	29.4	30.6	39.8	76.0	80.9	64.8	68.0	68.4
87.5°	9.3	14.9	14.9	11.7	12.9	28.2	45.1	27.0	32.6	19.3	14.5
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)