

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: P671289

Luminaire Tested: **CCP-SA-2E-827-U-SL2**

Issue Date: 04/16/2023

Test Information

Test Method: LM-79-08
Report Number: P671289
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2E-827-U-SL2
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @1050mA w/ SL2
distribution lens
Light Source: (32) 2700K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9947.5 lumens
Efficiency: N/A
Efficacy: 93.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B2 - U0 - G3

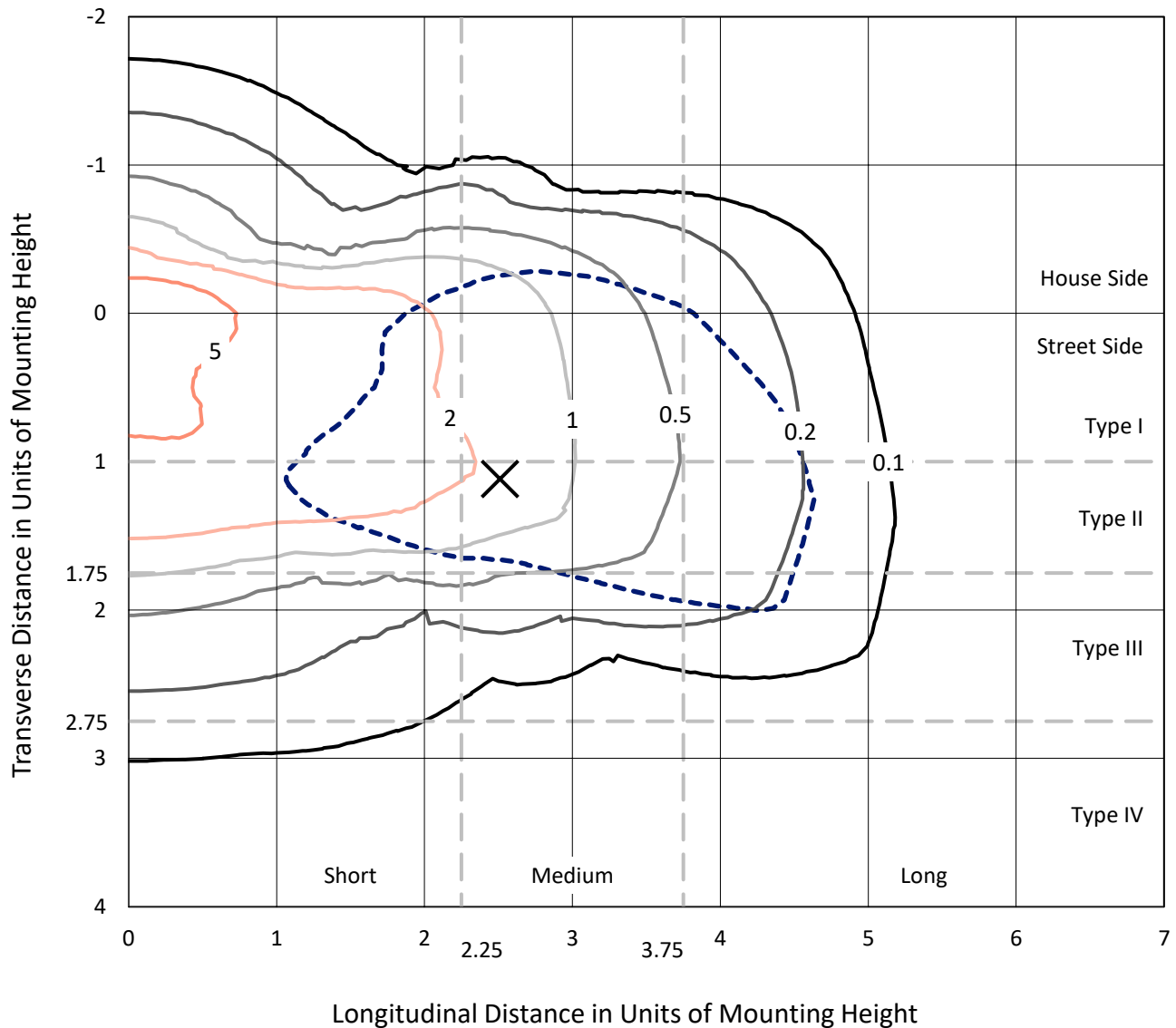
Input Watts (W): 106.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Iso-Footcandle Lines of Horizontal Illumination

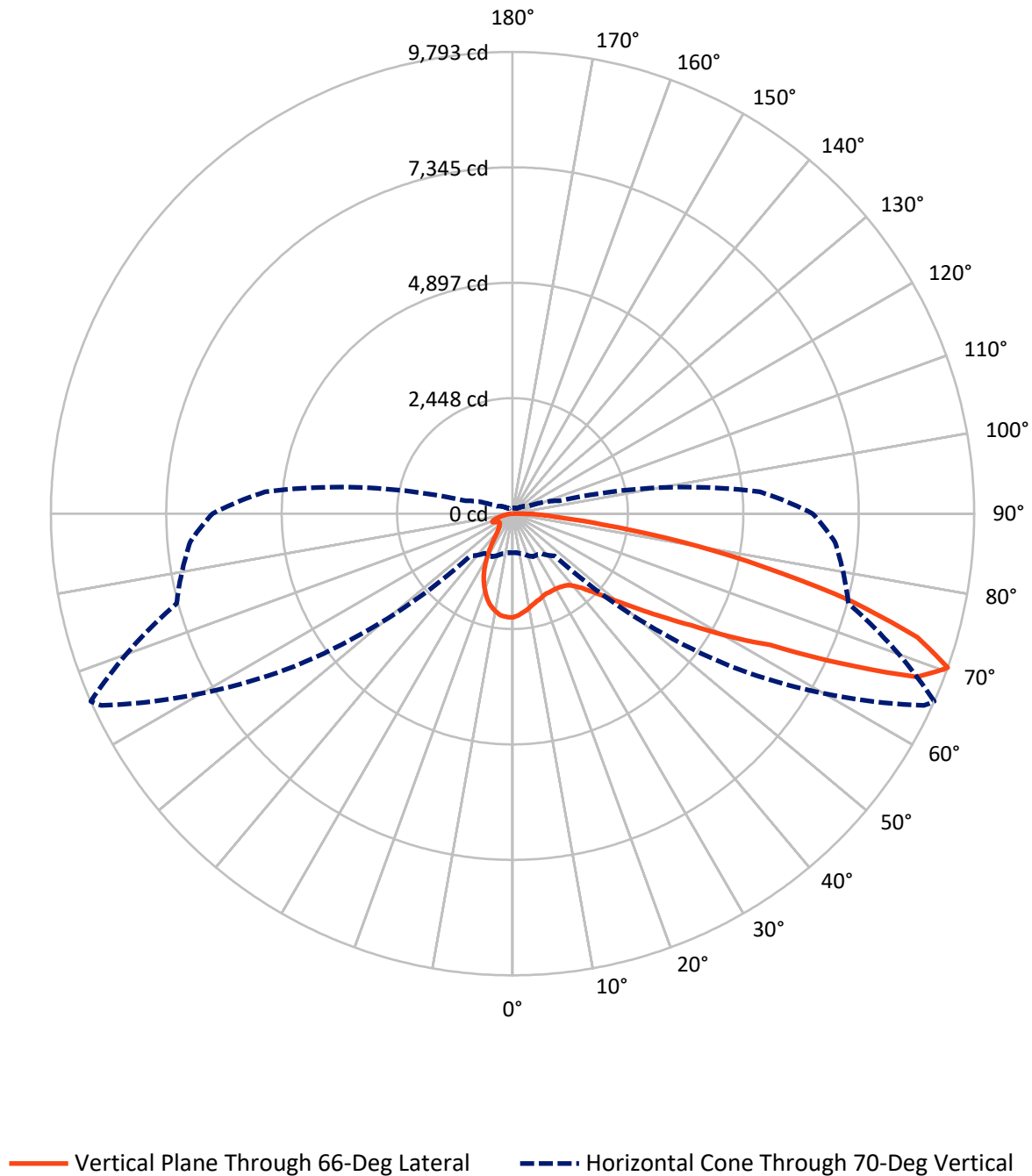
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 9.8 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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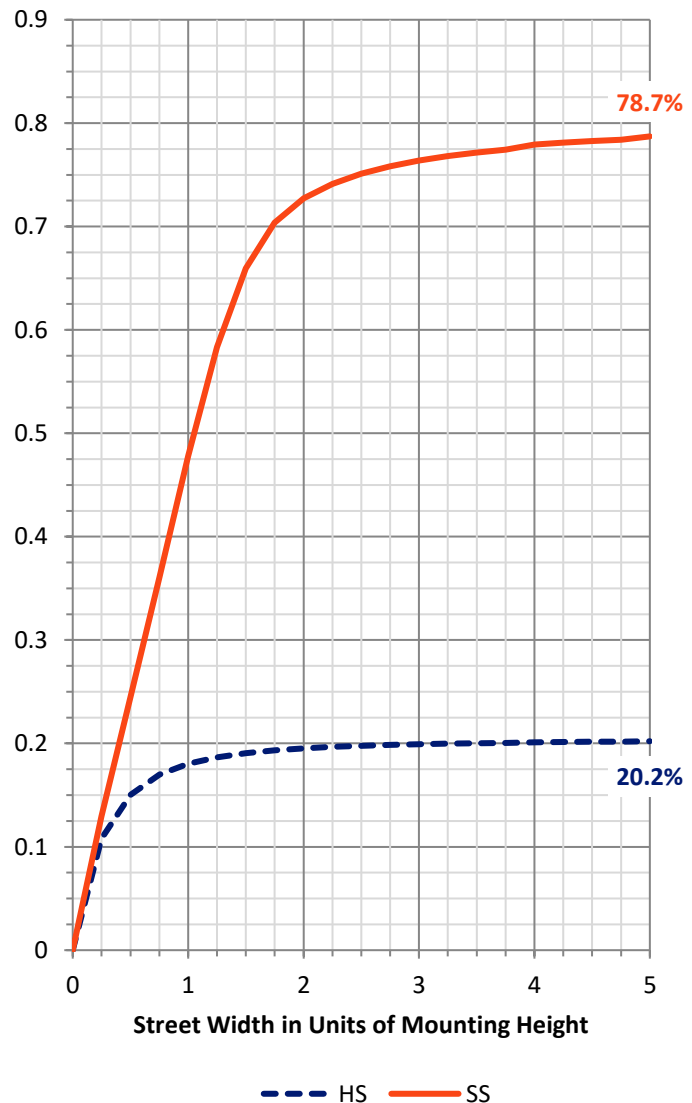
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2036.1	0.0	2036.1
	% Fixture	20.5	0.0	20.5
Street Side	Lumens	7911.3	0.0	7911.3
	% Fixture	79.5	0.0	79.5
Total	Lumens	9947.5	0.0	9947.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	194.3	2.0
10°-20°	478.4	4.8
20°-30°	657.0	6.6
30°-40°	880.9	8.9
40°-50°	1278.1	12.8
50°-60°	1942.6	19.5
60°-70°	2399.3	24.1
70°-80°	1784.2	17.9
80°-90°	332.8	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°	9947.5	100.0
0°-180°	9947.5	100.0

Coefficient of Utilization



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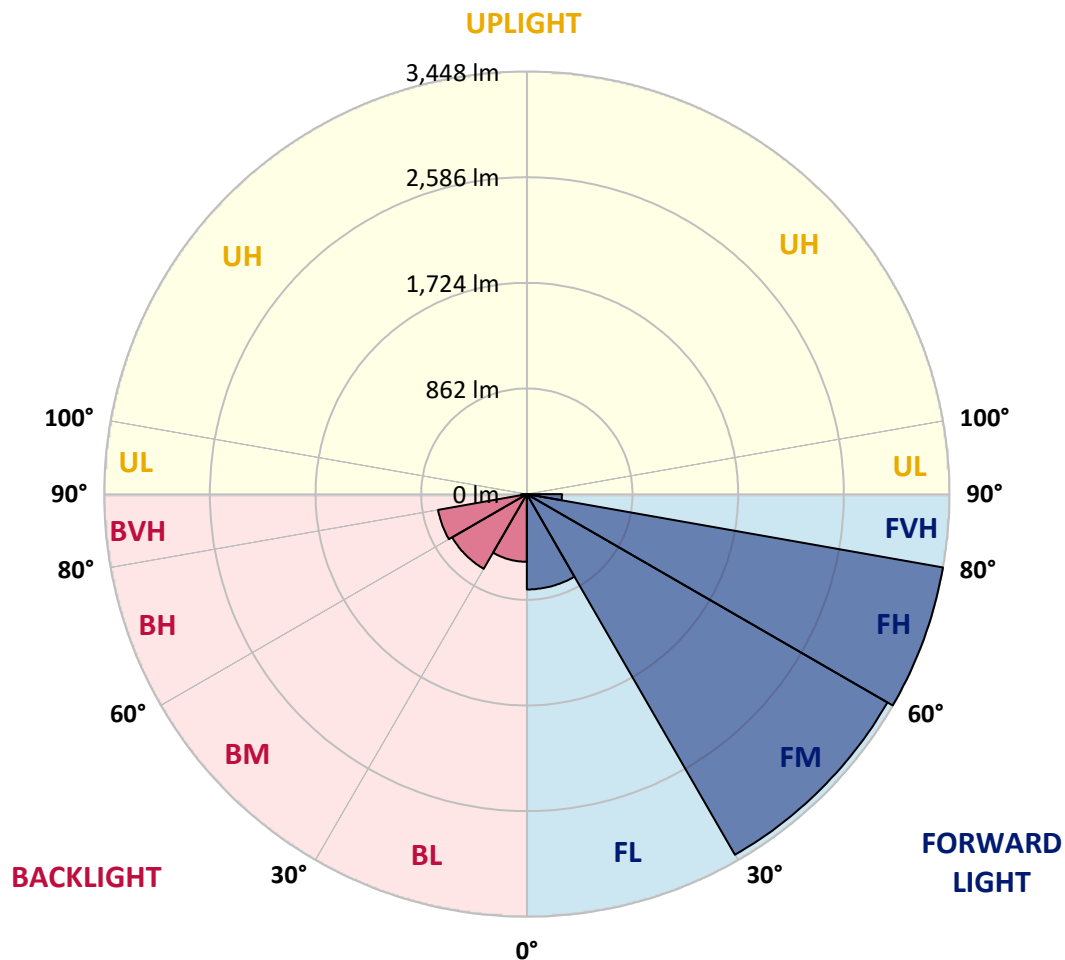
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	777.8	7.8			
FM	(30°-60°)	3398.2	34.2			
FH	(60°-80°)	3448.4	34.7			G2/5000
FVH	(80°-90°)	286.9	2.9			G3/500
BL	(0°-30°)	551.8	5.5	B2/1000		
BM	(30°-60°)	703.3	7.1	B1/1000		
BH	(60°-80°)	735.0	7.4	B2/1000		G2/1000
BVH	(80°-90°)	45.9	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°	2197.7	2197.7	2197.7	2197.7	2197.7	2197.7	2197.7	2197.7	2197.7	2197.7	2197.7
2.5°	2090.4	2101.5	2105.2	2112.6	2131.1	2145.9	2168.1	2179.2	2168.1	2182.9	2182.9
5°	1946.1	1931.3	1968.3	1983.1	2005.3	2034.9	2086.7	2127.4	2116.3	2160.7	2197.7
7.5°	1824.0	1824.0	1835.1	1868.4	1894.3	1938.7	1994.2	2057.1	2075.6	2134.8	2190.3
10°	1713.0	1727.8	1727.8	1779.6	1794.4	1846.2	1938.7	2016.4	2020.1	2120.0	2197.7
12.5°	1653.8	1646.4	1683.4	1698.2	1742.6	1794.4	1868.4	1964.6	1968.3	2075.6	2182.9
15°	1605.7	1613.1	1631.6	1668.6	1709.3	1750.0	1820.3	1909.1	1927.6	2053.4	2175.5
17.5°	1609.4	1613.1	1613.1	1639.0	1672.3	1720.4	1787.0	1890.6	1901.7	2023.8	2164.4
20°	1631.6	1616.8	1627.9	1639.0	1661.2	1705.6	1761.1	1849.9	1861.0	2020.1	2190.3
22.5°	1679.7	1668.6	1664.9	1661.2	1657.5	1683.4	1753.7	1827.7	1838.8	2001.6	2201.4
25°	1757.4	1753.7	1727.8	1701.9	1683.4	1683.4	1738.9	1846.2	1842.5	2001.6	2208.8
27.5°	1849.9	1849.9	1846.2	1798.1	1742.6	1713.0	1750.0	1838.8	1835.1	2001.6	2227.3
30°	1975.7	1975.7	1964.6	1920.2	1820.3	1735.2	1757.4	1831.4	1842.5	1986.8	2212.5
32.5°	2112.6	2108.9	2120.0	2079.3	1975.7	1838.8	1801.8	1846.2	1857.3	2001.6	2216.2
35°	2212.5	2234.7	2271.7	2234.7	2131.1	1946.1	1864.7	1875.8	1883.2	2005.3	2231.0
37.5°	2327.2	2353.1	2404.9	2434.5	2323.5	2108.9	1964.6	1923.9	1923.9	2053.4	2234.7
40°	2493.7	2467.8	2556.6	2608.4	2564.0	2308.7	2120.0	2012.7	2016.4	2116.3	2282.8
42.5°	2615.8	2641.7	2734.2	2826.7	2771.2	2552.9	2290.2	2157.0	2157.0	2208.8	2356.8
45°	2752.7	2782.3	2911.8	3022.8	3063.5	2845.2	2523.3	2364.2	2356.8	2390.1	2490.0
47.5°	2904.4	2945.1	3093.1	3222.5	3329.8	3148.6	2823.0	2615.8	2612.1	2638.0	2712.0
50°	3078.3	3093.1	3215.1	3451.9	3666.5	3551.8	3189.2	2971.0	2952.5	2963.6	3063.5
52.5°	3130.1	3119.0	3259.5	3514.8	3907.0	4043.9	3688.7	3374.2	3366.8	3340.9	3470.4
55°	2941.4	2978.4	3115.3	3440.8	4103.1	4624.8	4236.3	3925.5	3858.9	3788.6	3944.0
57.5°	2564.0	2567.7	2723.1	3107.9	3951.4	5105.8	5165.0	4465.7	4469.4	4280.7	4458.3
60°	1994.2	1983.1	2105.2	2453.0	3518.5	5253.8	6178.7	5327.7	5290.7	4772.8	4935.6
62.5°	1439.2	1417.0	1442.9	1646.4	2630.6	5028.1	7174.0	6293.4	6138.0	5275.9	5401.7
65°	1183.9	1195.0	1206.1	1217.2	1476.2	4147.5	7481.0	7869.5	7662.3	5864.2	5916.0
67.5°	980.5	987.9	1036.0	1102.5	1095.1	2449.3	7125.9	9327.3	9249.6	6593.1	6360.0
70°	832.5	828.8	884.3	1006.4	1024.9	1272.7	5642.2	9626.9	9793.4	7377.5	6863.2
72.5°	666.0	673.4	721.5	884.3	1006.4	1072.9	3248.4	8983.2	8979.5	7980.5	6593.1
75°	477.3	477.3	543.9	732.6	973.1	1061.8	1798.1	7292.4	7429.2	7499.5	5719.9
77.5°	314.5	329.3	381.1	547.6	913.9	1039.7	1139.5	5301.8	5472.0	5608.9	4376.9
80°	214.6	222.0	255.3	381.1	773.3	1047.1	932.4	3566.6	3633.2	3096.8	1775.9
82.5°	129.5	133.2	170.2	266.4	555.0	995.3	876.9	1968.3	1927.6	936.1	510.6
85°	70.3	74.0	107.3	177.6	366.3	869.5	862.1	965.7	899.1	344.1	214.6
87.5°	25.9	25.9	48.1	88.8	210.9	595.7	751.1	573.5	536.5	173.9	99.9
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°	2197.7	2197.7	2197.7	2197.7	2197.7	2197.7	2197.7	2197.7	2197.7	2197.7	2197.7
2.5°	2201.4	2201.4	2201.4	2201.4	2197.7	2182.9	2194.0	2190.3	2168.1	2171.8	2157.0
5°	2194.0	2212.5	2201.4	2186.6	2168.1	2123.7	2108.9	2097.8	2068.2	2057.1	2068.2
7.5°	2212.5	2197.7	2190.3	2164.4	2090.4	2049.7	1997.9	1935.0	1890.6	1879.5	1890.6
10°	2208.8	2208.8	2175.5	2101.5	2031.2	1912.8	1846.2	1735.2	1672.3	1653.8	1657.5
12.5°	2194.0	2205.1	2153.3	2034.9	1901.7	1757.4	1635.3	1516.9	1405.9	1361.5	1354.1
15°	2208.8	2197.7	2105.2	1953.5	1768.5	1568.7	1391.1	1217.2	1113.6	1047.1	1032.3
17.5°	2186.6	2175.5	2042.3	1842.5	1594.6	1339.3	1117.3	928.7	825.1	799.2	799.2
20°	2212.5	2142.2	1968.3	1709.3	1413.3	1087.7	836.2	695.6	669.7	669.7	677.1
22.5°	2208.8	2134.8	1905.4	1579.8	1195.0	821.4	621.6	580.9	584.6	614.2	610.5
25°	2186.6	2120.0	1816.6	1435.5	965.7	617.9	514.3	503.2	529.1	562.4	558.7
27.5°	2182.9	2079.3	1735.2	1265.3	736.3	488.4	447.7	447.7	473.6	503.2	499.5
30°	2160.7	2046.0	1635.3	1072.9	555.0	425.5	410.7	410.7	421.8	436.6	436.6
32.5°	2157.0	2001.6	1524.3	873.2	444.0	384.8	377.4	381.1	381.1	388.5	384.8
35°	2127.4	1942.4	1409.6	677.1	384.8	362.6	355.2	351.5	351.5	347.8	347.8
37.5°	2116.3	1905.4	1291.2	525.4	358.9	344.1	336.7	325.6	321.9	321.9	318.2
40°	2127.4	1868.4	1176.5	425.5	336.7	329.3	318.2	303.4	299.7	299.7	299.7
42.5°	2168.1	1864.7	1058.1	370.0	325.6	314.5	299.7	284.9	281.2	284.9	281.2
45°	2260.6	1894.3	943.5	344.1	310.8	299.7	281.2	270.1	266.4	270.1	270.1
47.5°	2412.3	1975.7	839.9	329.3	299.7	284.9	266.4	255.3	255.3	255.3	255.3
50°	2663.9	2131.1	740.0	318.2	292.3	273.8	255.3	240.5	236.8	236.8	240.5
52.5°	3041.3	2397.5	658.6	310.8	281.2	259.0	240.5	229.4	222.0	218.3	222.0
55°	3496.3	2786.0	632.7	303.4	266.4	247.9	229.4	214.6	207.2	207.2	203.5
57.5°	3984.7	3215.1	677.1	296.0	255.3	233.1	214.6	199.8	192.4	188.7	188.7
60°	4513.8	3722.0	839.9	292.3	244.2	218.3	199.8	188.7	177.6	173.9	173.9
62.5°	4994.8	4180.8	1132.1	288.6	236.8	203.5	185.0	170.2	162.8	159.1	159.1
65°	5542.3	4691.4	1417.0	303.4	233.1	192.4	170.2	155.4	148.0	144.3	144.3
67.5°	6019.6	5135.4	1583.5	340.4	244.2	177.6	151.7	140.6	136.9	133.2	133.2
70°	6367.4	5272.3	1061.8	373.7	262.7	166.5	136.9	129.5	122.1	122.1	122.1
72.5°	5901.2	4706.2	629.0	351.5	247.9	155.4	122.1	114.7	111.0	111.0	107.3
75°	5046.6	4006.9	484.7	284.9	199.8	133.2	107.3	99.9	96.2	96.2	92.5
77.5°	3725.7	2871.1	358.9	225.7	155.4	107.3	92.5	88.8	85.1	81.4	81.4
80°	1457.7	1257.9	244.2	166.5	114.7	85.1	77.7	74.0	70.3	66.6	66.6
82.5°	451.4	381.1	140.6	111.0	81.4	66.6	62.9	59.2	55.5	51.8	51.8
85°	196.1	188.7	92.5	70.3	55.5	44.4	44.4	40.7	37.0	33.3	33.3
87.5°	96.2	92.5	51.8	33.3	29.6	22.2	22.2	18.5	14.8	14.8	14.8
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)