

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: P671959

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

Issue Date: 04/16/2023

Test Information

Test Method: LM-79-08
Report Number: P671959
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1E-735-U-AFL
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @1050mA w/ AFL
distribution lens
Light Source: (16) 3500K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6805.1 lumens
Efficiency: N/A
Efficacy: 121.3 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): 56.1
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

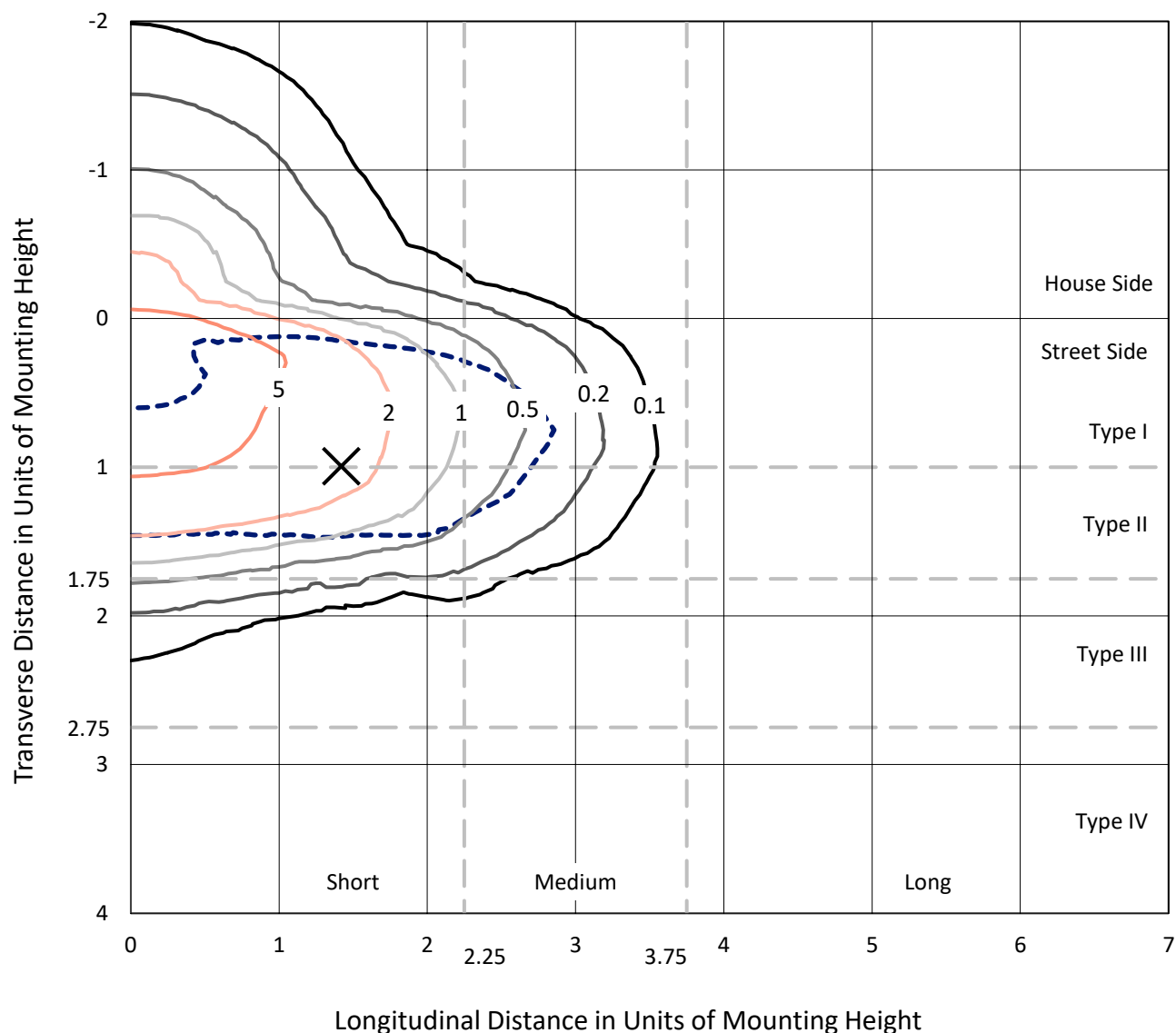
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

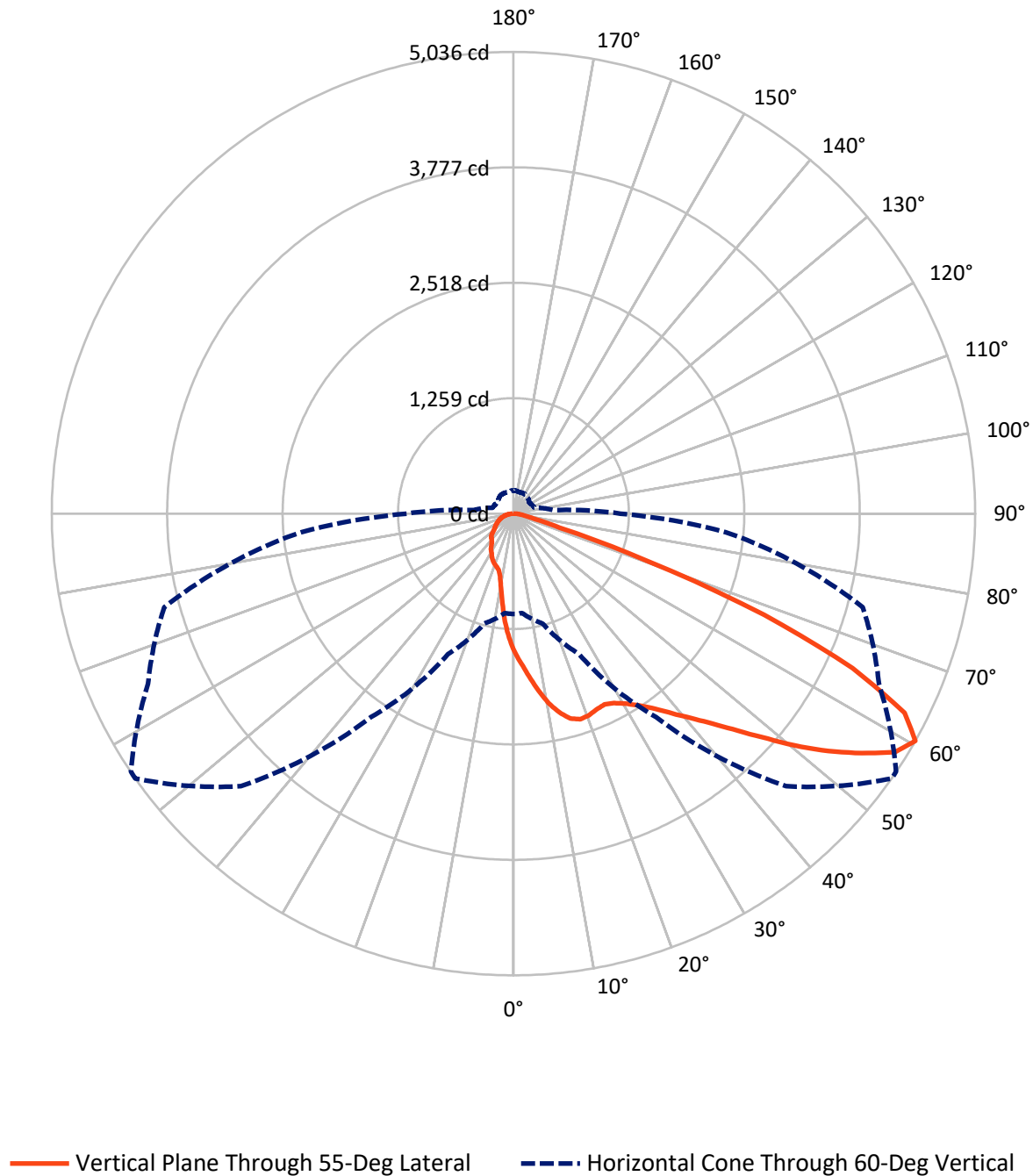


Based on 15 foot mounting height. Maximum calculated value = 9.4 fc

Type II - Short - N/A

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Luminous Intensity Polar Plot



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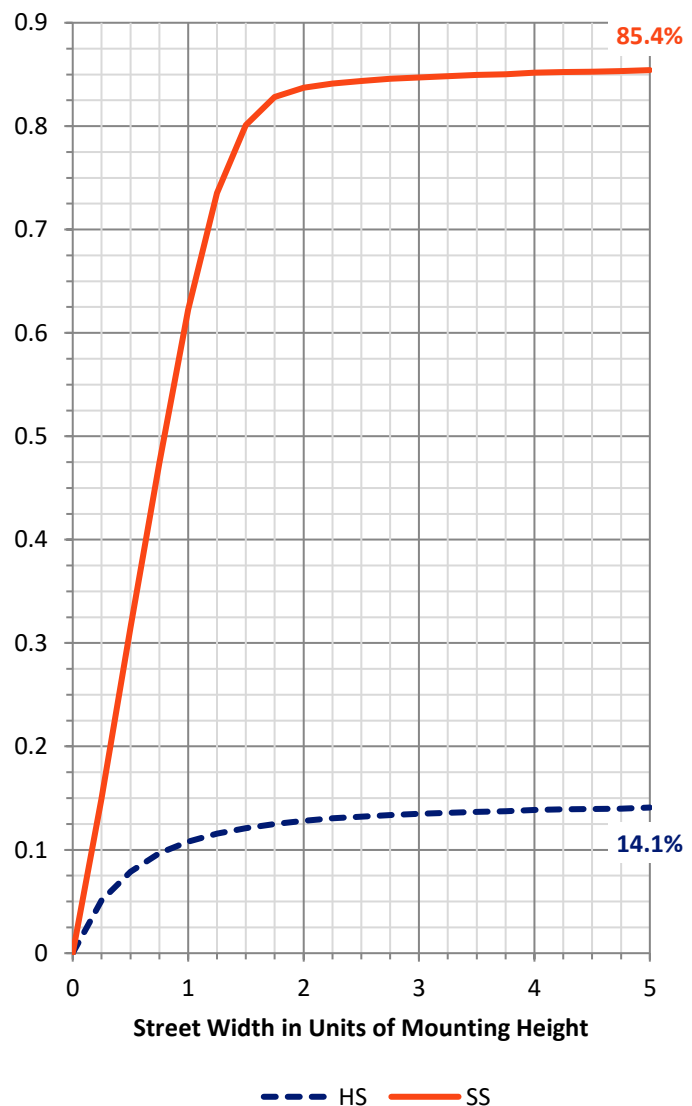
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	978.2	0.0	978.2
	% Fixture	14.4	0.0	14.4
Street Side	Lumens	5826.8	0.0	5826.8
	% Fixture	85.6	0.0	85.6
Total	Lumens	6805.1	0.0	6805.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	141.2	2.1
10°-20°	400.1	5.9
20°-30°	651.5	9.6
30°-40°	973.8	14.3
40°-50°	1431.2	21.0
50°-60°	1677.4	24.6
60°-70°	1106.0	16.3
70°-80°	352.2	5.2
80°-90°	71.6	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°	6805.1	100.0
0°-180°	6805.1	100.0

Coefficient of Utilization



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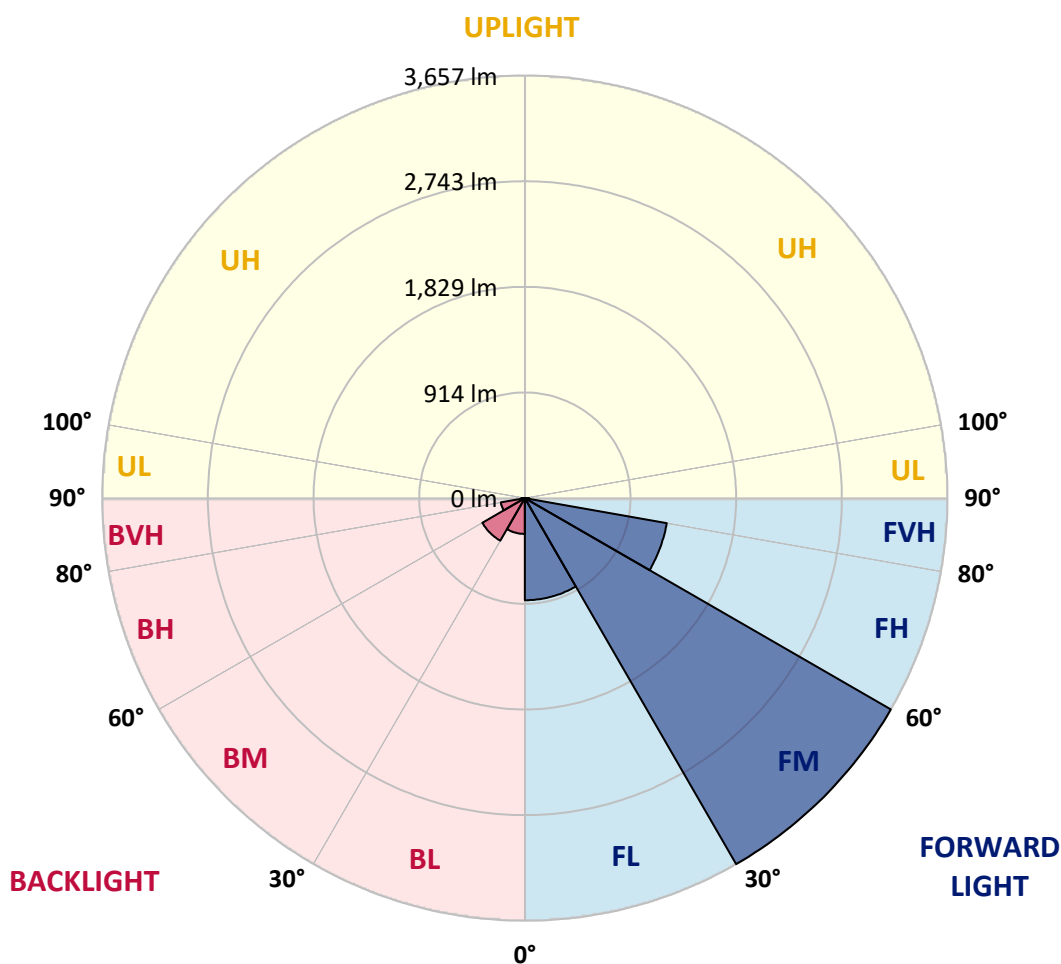
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	883.2	13.0			
FM	(30°-60°)	3657.2	53.7			
FH	(60°-80°)	1247.1	18.3			G1/1800
FVH	(80°-90°)	39.3	0.6			G1/100
BL	(0°-30°)	309.7	4.6	B1/500		
BM	(30°-60°)	425.2	6.2	B1/1000		
BH	(60°-80°)	211.1	3.1	B1/500		G1/500
BVH	(80°-90°)	32.3	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°	1509.2	1509.2	1509.2	1509.2	1509.2	1509.2	1509.2	1509.2	1509.2	1509.2	1509.2
2.5°	1756.3	1749.9	1749.9	1733.6	1709.5	1675.9	1636.0	1626.1	1610.8	1571.8	1521.5
5°	2024.1	2017.2	2007.8	1979.2	1934.4	1867.3	1782.9	1767.7	1712.9	1632.5	1541.8
7.5°	2201.2	2197.2	2194.3	2169.6	2125.2	2059.1	1946.2	1928.9	1836.2	1703.0	1561.0
10°	2182.9	2194.8	2215.5	2232.7	2241.6	2207.6	2101.6	2081.3	1966.4	1784.9	1589.6
12.5°	2011.8	2028.6	2067.0	2137.6	2218.9	2284.5	2224.4	2213.0	2105.5	1871.7	1625.6
15°	1884.5	1891.4	1910.2	1962.5	2083.8	2258.9	2319.6	2309.2	2235.2	1983.2	1667.0
17.5°	1845.1	1848.0	1852.5	1869.7	1952.6	2158.8	2358.5	2368.4	2361.0	2099.1	1713.9
20°	1864.8	1866.8	1867.3	1870.2	1909.7	2074.9	2348.2	2364.9	2471.5	2215.0	1760.3
22.5°	1940.8	1938.3	1934.9	1923.5	1945.7	2060.1	2320.5	2347.2	2556.8	2320.5	1803.2
25°	2073.4	2070.0	2045.8	2022.1	2031.5	2113.4	2305.7	2334.3	2623.4	2420.2	1834.7
27.5°	2231.3	2227.8	2203.2	2158.3	2148.4	2202.2	2340.3	2358.0	2672.2	2508.4	1848.5
30°	2395.0	2395.0	2364.4	2312.6	2281.1	2303.8	2403.9	2418.2	2709.2	2593.8	1857.4
32.5°	2573.6	2578.5	2531.1	2472.0	2436.9	2423.6	2493.2	2505.5	2762.9	2694.4	1876.2
35°	2802.9	2792.0	2734.3	2656.4	2600.2	2570.1	2603.6	2617.9	2841.9	2819.7	1906.2
37.5°	3060.8	3041.6	2970.6	2877.4	2779.2	2728.9	2751.1	2754.6	2958.7	2982.9	1961.0
40°	3273.9	3270.5	3210.3	3122.0	2998.2	2930.6	2919.8	2921.8	3121.0	3176.3	2043.8
42.5°	3453.4	3440.6	3429.8	3398.7	3267.5	3156.5	3112.1	3112.6	3297.1	3376.0	2127.2
45°	3532.8	3530.4	3562.4	3642.3	3548.1	3417.4	3354.3	3363.2	3498.8	3581.2	2207.6
47.5°	3498.8	3500.8	3586.6	3796.2	3851.9	3751.8	3639.9	3634.4	3694.1	3738.5	2278.6
50°	3195.0	3227.1	3459.4	3810.5	4051.2	4101.0	3974.8	3954.5	3865.3	3863.8	2322.0
52.5°	2965.7	2964.2	3106.7	3665.0	4121.7	4416.2	4302.7	4257.4	4006.8	3934.3	2325.5
55°	2655.9	2653.9	2760.0	3239.4	3981.7	4636.1	4612.0	4555.3	4136.5	3957.5	2301.8
57.5°	2011.3	2048.8	2154.3	2593.3	3537.8	4601.1	4907.4	4860.1	4263.3	3947.1	2297.4
60°	1094.4	1090.0	1242.9	1690.2	2708.7	4203.6	5036.1	5033.7	4397.9	3943.2	2324.5
62.5°	504.6	499.6	530.2	752.6	1553.1	3367.6	4787.6	4823.1	4522.7	3907.2	2322.0
65°	377.3	364.5	323.1	350.2	594.3	2010.3	4066.5	4161.2	4330.4	3759.2	2214.5
67.5°	336.4	324.0	275.7	258.4	298.4	709.2	2949.9	3037.2	3621.1	3482.0	2040.4
70°	308.3	297.4	249.1	221.9	223.9	314.2	1544.2	1715.9	2653.9	2906.0	1739.0
72.5°	281.1	271.8	227.9	195.3	188.4	207.6	526.3	634.8	1650.8	2117.8	1296.6
75°	252.5	243.6	205.2	175.1	161.8	153.9	250.5	269.8	873.0	1169.4	695.9
77.5°	219.5	214.5	183.0	154.4	143.0	116.4	166.7	175.1	373.9	459.2	331.4
80°	190.9	186.9	163.3	140.1	128.2	89.8	114.9	120.8	184.5	229.3	185.4
82.5°	124.3	134.2	135.1	120.3	112.9	72.0	76.0	80.4	122.3	135.1	80.9
85°	51.3	62.1	93.2	82.9	78.4	61.2	50.3	51.3	75.0	78.9	29.1
87.5°	23.2	25.6	45.9	46.4	40.4	23.2	25.2	27.6	38.5	38.0	12.8
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°	1509.2	1509.2	1509.2	1509.2	1509.2	1509.2	1509.2	1509.2	1509.2	1509.2	1509.2
2.5°	1507.7	1485.0	1444.6	1392.8	1355.8	1328.7	1299.1	1277.4	1253.2	1232.0	1235.5
5°	1504.3	1460.4	1369.6	1273.5	1179.8	1102.8	1038.7	991.3	942.5	923.3	920.8
7.5°	1507.2	1432.8	1283.8	1126.5	983.9	885.8	811.3	766.4	738.3	722.1	723.0
10°	1506.3	1406.6	1191.1	974.1	818.2	728.5	683.1	668.3	665.8	667.8	670.8
12.5°	1507.7	1371.1	1087.0	837.0	699.4	653.5	655.5	668.8	677.2	682.6	686.1
15°	1514.1	1342.0	980.5	729.0	637.2	638.7	659.9	680.6	693.0	698.9	701.8
17.5°	1523.5	1305.5	885.8	647.1	611.1	633.8	661.4	683.6	693.0	696.4	698.9
20°	1524.5	1263.6	790.1	590.9	593.8	623.4	647.6	665.3	677.2	681.1	683.1
22.5°	1520.1	1206.9	692.0	549.9	574.1	603.7	624.4	644.6	628.8	616.0	612.6
25°	1501.3	1135.4	608.1	516.4	549.4	577.1	600.7	578.5	571.1	561.3	562.3
27.5°	1460.9	1046.1	529.2	484.8	520.3	559.8	542.5	539.6	530.2	520.3	520.3
30°	1407.6	951.9	463.1	451.8	485.3	505.0	509.0	504.6	499.1	486.3	487.3
32.5°	1359.8	852.3	416.3	424.2	463.1	463.1	480.4	480.4	460.7	424.7	424.7
35°	1312.4	758.6	381.7	401.0	426.6	435.0	458.7	427.6	399.5	383.2	382.2
37.5°	1275.4	678.7	359.1	381.2	391.1	412.3	412.8	390.1	380.8	366.0	364.5
40°	1253.7	611.6	345.2	371.4	372.4	392.1	359.5	366.0	364.0	352.6	351.2
42.5°	1241.9	559.8	334.9	363.0	358.1	338.8	332.9	343.8	347.2	341.3	338.8
45°	1232.5	519.3	326.5	333.9	346.7	311.7	309.2	317.6	325.0	324.5	322.6
47.5°	1227.6	491.2	319.1	315.7	318.1	295.4	290.5	294.4	303.8	309.7	309.2
50°	1208.4	469.5	308.3	296.9	281.1	281.1	278.7	278.7	290.0	301.8	302.8
52.5°	1174.3	443.9	292.5	279.2	260.9	268.8	269.8	267.8	279.6	292.5	293.5
55°	1136.8	424.7	271.3	262.9	244.1	257.5	261.9	259.9	267.8	276.7	276.2
57.5°	1137.3	424.2	253.0	246.6	228.4	243.2	254.0	254.5	254.0	260.4	260.4
60°	1165.9	434.0	238.7	224.9	210.1	227.9	245.6	245.6	242.2	251.5	252.5
62.5°	1174.3	433.0	229.8	204.2	193.8	214.1	233.3	236.2	233.8	247.1	248.6
65°	1100.3	409.9	221.0	185.4	179.0	198.8	218.0	226.4	223.9	241.2	243.2
67.5°	997.8	379.8	207.1	168.7	163.7	184.0	202.2	211.1	210.6	233.3	234.3
70°	860.2	342.8	189.9	151.4	148.9	166.7	183.0	192.4	196.8	222.9	222.4
72.5°	666.3	294.0	163.7	133.2	132.7	148.9	163.3	173.6	182.0	207.1	207.1
75°	429.6	231.3	133.7	115.4	113.4	128.7	143.5	155.4	181.0	221.0	220.5
77.5°	262.4	176.6	107.5	96.2	95.7	109.5	124.3	144.5	197.8	196.8	191.4
80°	157.3	126.8	85.8	76.9	76.9	89.8	106.0	154.9	164.2	187.4	177.1
82.5°	81.9	77.9	64.1	56.7	59.2	70.5	96.7	123.8	134.2	113.9	104.6
85°	33.5	41.4	39.5	36.0	37.5	48.8	93.2	99.1	79.4	83.4	83.8
87.5°	11.3	18.2	18.2	14.3	15.8	34.5	55.2	33.0	39.9	23.7	17.8
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)