

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: P670740

Luminaire Tested: **CCP-SA-1E-840-U-T2**

Issue Date: 04/16/2023

Test Information

Test Method: LM-79-08
Report Number: P670740
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1E-840-U-T2
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @1050mA w/ T2
distribution lens
Light Source: (16) 4000K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5814.7 lumens
Efficiency: N/A
Efficacy: 103.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G2

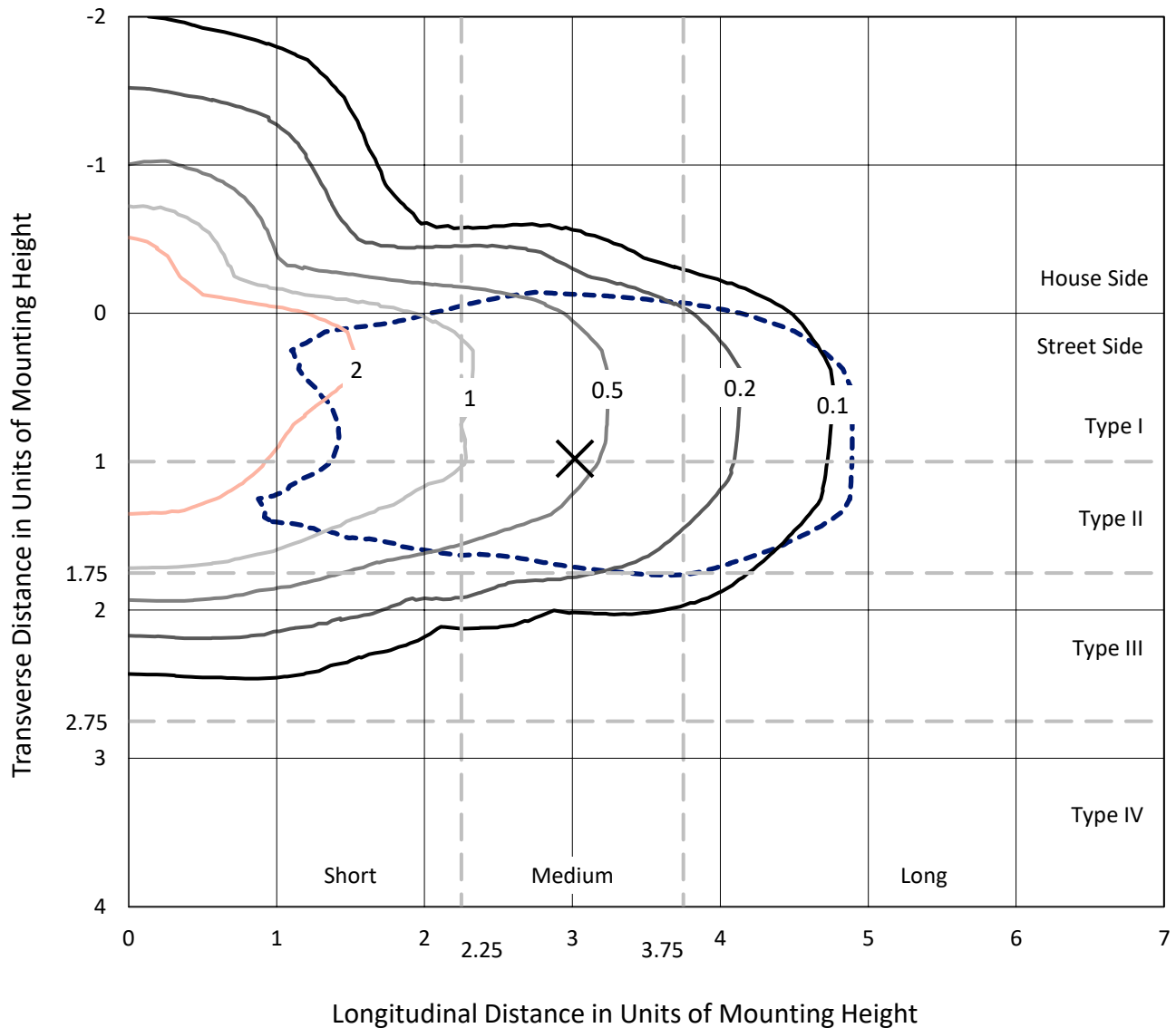
Input Watts (W): 56.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Iso-Footcandle Lines of Horizontal Illumination

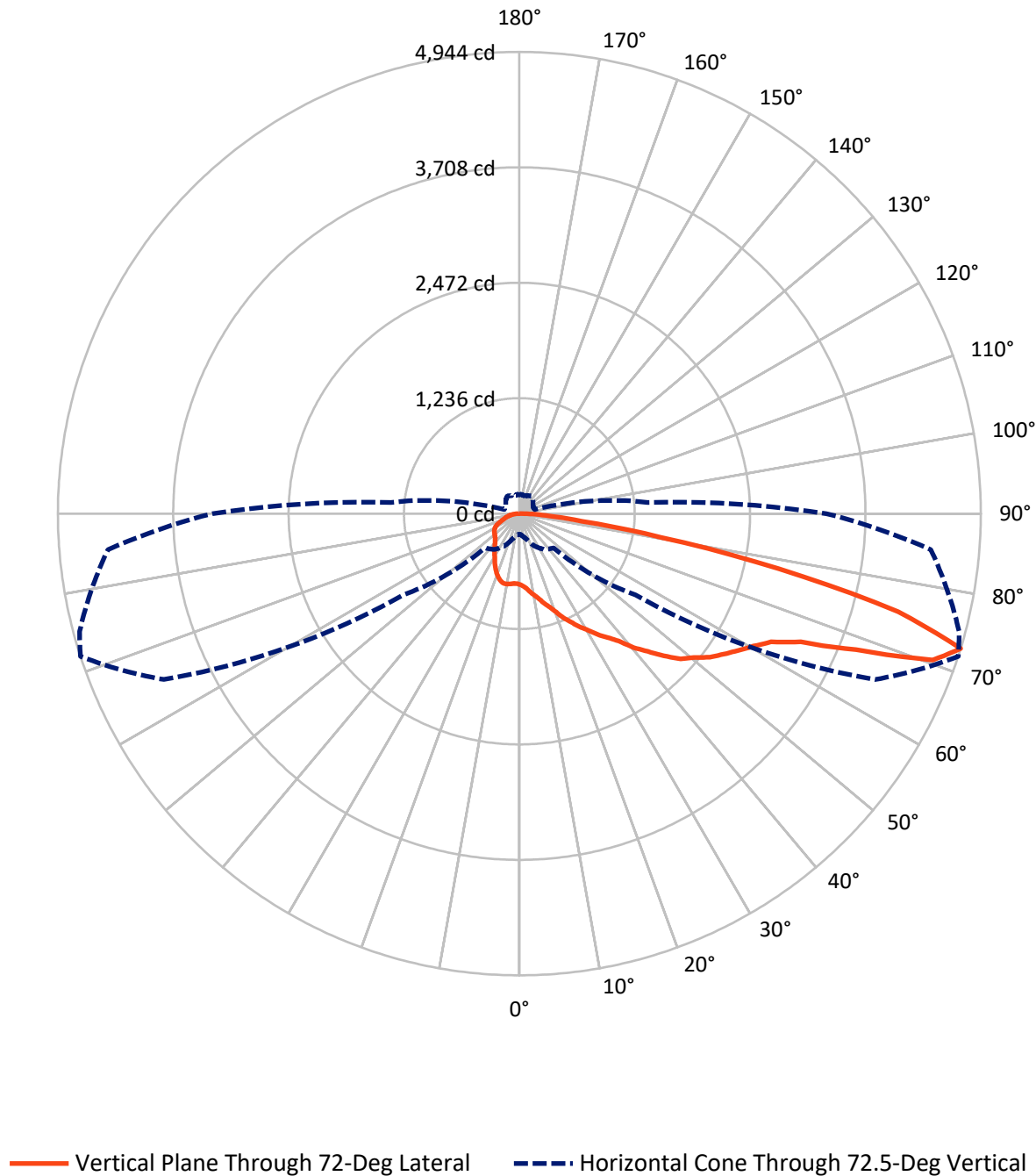
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 4.2 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



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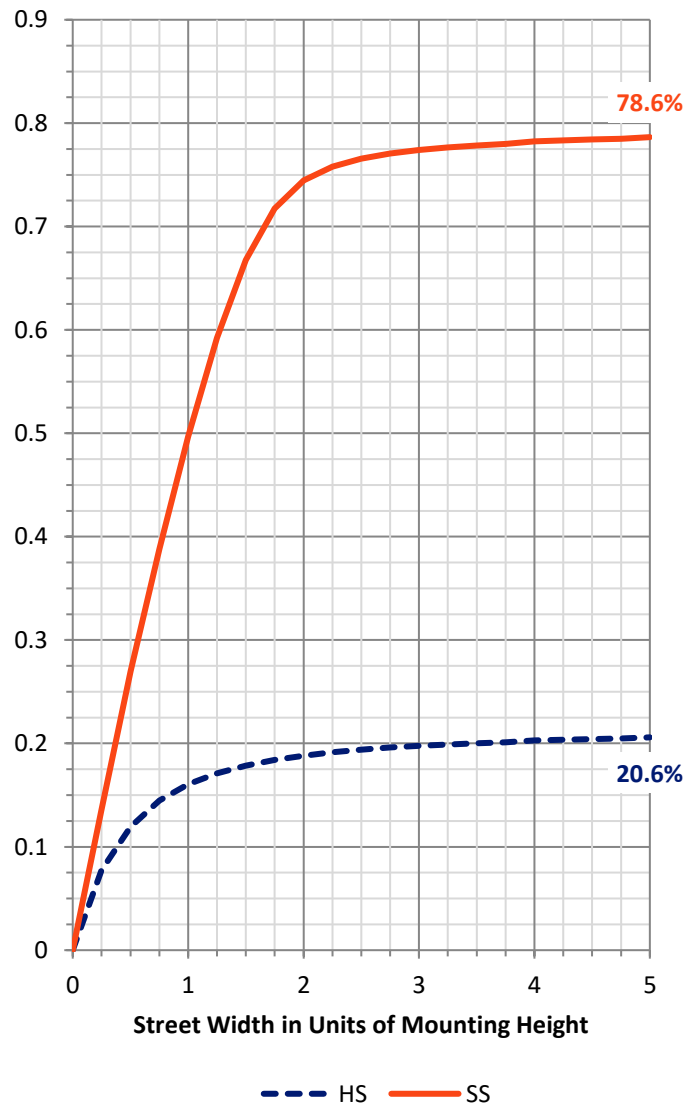
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1223.7	0.0	1223.7
	% Fixture	21.0	0.0	21.0
Street Side	Lumens	4591.0	0.0	4591.0
	% Fixture	79.0	0.0	79.0
Total	Lumens	5814.7	0.0	5814.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	75.1	1.3
10°-20°	233.3	4.0
20°-30°	403.8	6.9
30°-40°	596.4	10.3
40°-50°	886.9	15.3
50°-60°	1215.9	20.9
60°-70°	1318.9	22.7
70°-80°	929.8	16.0
80°-90°	154.5	2.7
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°	5814.7	100.0
0°-180°	5814.7	100.0

Coefficient of Utilization



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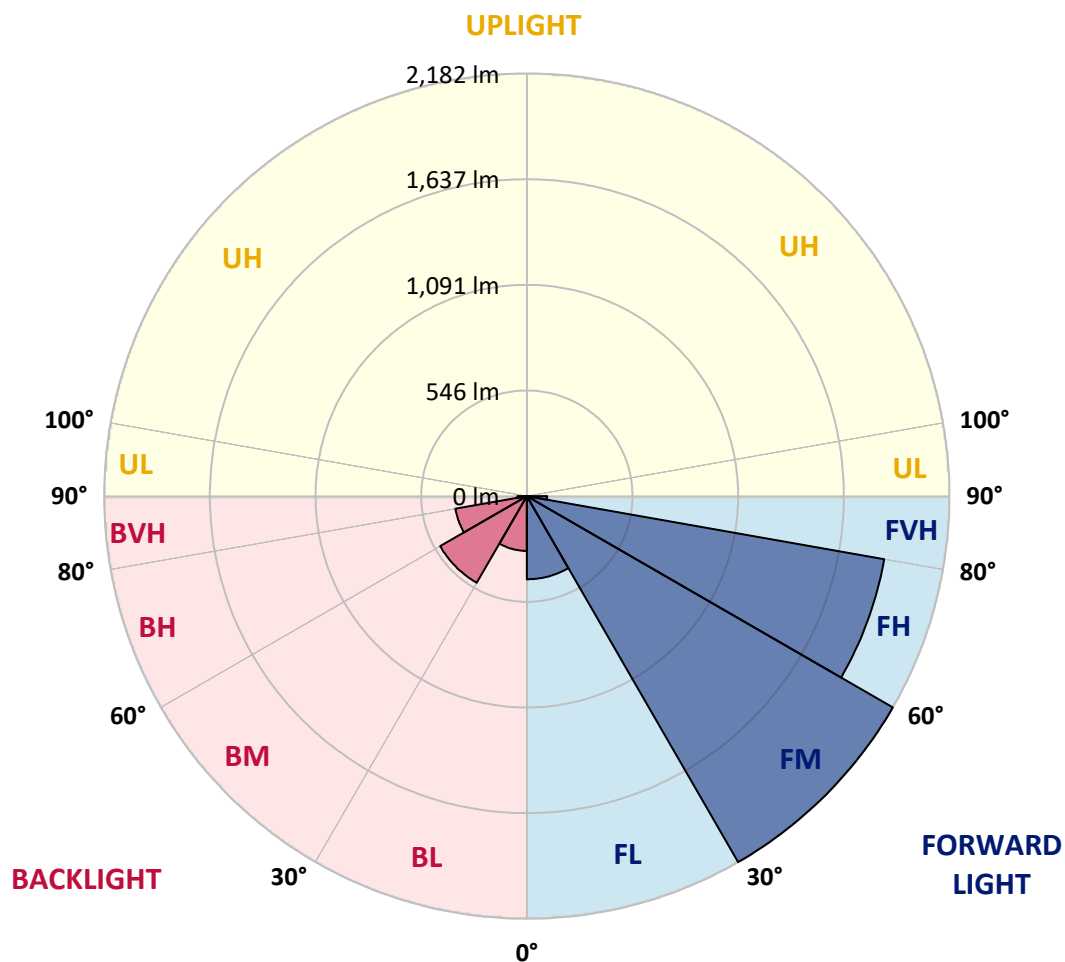
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	429.4	7.4			
FM	(30°-60°)	2182.4	37.5			
FH	(60°-80°)	1873.9	32.2			G2/5000
FVH	(80°-90°)	105.3	1.8			G2/225
BL	(0°-30°)	282.8	4.9	B1/500		
BM	(30°-60°)	516.9	8.9	B1/1000		
BH	(60°-80°)	374.9	6.4	B1/500		G1/500
BVH	(80°-90°)	49.2	0.8			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
0°	759.6	759.6	759.6	759.6	759.6	759.6	759.6	759.6	759.6	759.6	759.6
2.5°	819.6	819.6	813.2	811.1	811.1	793.9	796.0	785.3	776.7	776.7	768.1
5°	862.6	858.3	858.3	858.3	847.5	841.1	839.0	819.6	804.6	806.8	781.0
7.5°	873.3	875.4	877.6	888.3	881.9	886.2	881.9	860.4	849.7	839.0	815.3
10°	879.7	884.0	884.0	899.0	899.0	909.8	916.2	907.6	888.3	877.6	839.0
12.5°	894.7	888.3	896.9	907.6	918.3	937.7	957.0	948.4	935.5	922.6	879.7
15°	894.7	896.9	903.3	920.5	937.7	957.0	991.3	1004.2	997.7	974.1	929.1
17.5°	869.0	862.6	892.6	924.8	957.0	980.6	1025.6	1055.7	1051.4	1042.8	974.1
20°	871.1	877.6	888.3	916.2	967.7	1010.6	1066.4	1115.7	1126.5	1122.2	1034.2
22.5°	909.8	911.9	922.6	935.5	976.3	1032.1	1115.7	1195.1	1214.4	1203.7	1100.7
25°	948.4	965.5	965.5	974.1	989.1	1047.1	1147.9	1259.5	1287.4	1289.5	1169.4
27.5°	1010.6	1014.9	1027.8	1032.1	1044.9	1079.3	1184.4	1306.7	1371.1	1362.5	1231.6
30°	1083.6	1085.7	1094.3	1090.0	1092.1	1135.1	1218.7	1360.3	1448.3	1450.5	1298.1
32.5°	1169.4	1186.5	1190.8	1162.9	1167.2	1178.0	1272.4	1424.7	1544.9	1529.9	1356.1
35°	1296.0	1302.4	1289.5	1276.7	1244.5	1238.0	1328.2	1489.1	1628.6	1645.7	1441.9
37.5°	1452.6	1469.8	1452.6	1383.9	1349.6	1323.9	1396.8	1559.9	1729.4	1787.3	1527.7
40°	1598.5	1596.4	1579.2	1517.0	1456.9	1437.6	1495.5	1658.6	1886.0	1941.8	1652.2
42.5°	1716.5	1710.1	1699.4	1652.2	1596.4	1564.2	1609.2	1761.6	2016.9	2124.2	1795.9
45°	1819.5	1810.9	1813.1	1759.4	1705.8	1723.0	1723.0	1879.6	2171.4	2304.4	1961.1
47.5°	1916.1	1920.4	1913.9	1873.2	1832.4	1877.5	1853.8	2014.8	2323.7	2471.8	2100.6
50°	2027.6	2036.2	2014.8	1989.0	1952.5	1997.6	1967.6	2141.4	2422.4	2624.1	2268.0
52.5°	2132.8	2141.4	2160.7	2128.5	2092.0	2128.5	2059.8	2259.4	2553.3	2772.2	2396.7
55°	2158.5	2154.2	2261.5	2295.9	2315.2	2205.7	2141.4	2360.2	2656.3	2866.6	2542.6
57.5°	2040.5	2051.2	2197.2	2295.9	2501.8	2407.4	2233.6	2478.2	2763.6	2991.0	2677.8
60°	1746.6	1753.0	1935.4	2169.3	2469.7	2596.2	2482.5	2630.6	2881.6	3096.2	2830.1
62.5°	1167.2	1216.6	1444.0	1810.9	2242.2	2647.7	2879.5	2888.1	3025.4	3229.2	3038.3
65°	615.8	639.4	817.5	1113.6	1699.4	2469.7	3252.8	3398.7	3312.9	3473.8	3338.6
67.5°	403.4	412.0	508.5	675.9	980.6	1802.4	3295.7	4284.9	3890.1	3939.4	3819.3
70°	300.4	304.7	375.5	499.9	607.2	963.4	2701.4	4699.0	4696.8	4566.0	4390.0
72.5°	221.0	227.4	276.8	381.9	467.8	519.2	1519.1	4203.3	4943.6	4877.1	4424.3
75°	173.8	178.1	203.8	296.1	377.6	341.2	770.3	3113.3	4192.6	4512.3	4048.9
77.5°	141.6	145.9	160.9	214.6	302.5	263.9	369.1	2008.3	2843.0	3248.5	3098.3
80°	118.0	118.0	128.7	152.3	233.9	199.5	218.9	1128.6	1532.0	1690.8	1405.4
82.5°	100.8	98.7	107.3	111.6	173.8	143.8	141.6	510.7	673.7	714.5	527.8
85°	64.4	66.5	100.8	96.6	113.7	98.7	79.4	242.5	317.6	324.0	197.4
87.5°	25.7	25.7	42.9	53.6	64.4	60.1	38.6	109.4	139.5	139.5	55.8
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°	759.6	759.6	759.6	759.6	759.6	759.6	759.6	759.6	759.6	759.6	759.6
2.5°	766.0	757.4	751.0	746.7	736.0	725.2	727.4	725.2	716.6	712.4	712.4
5°	774.6	766.0	755.3	738.1	727.4	714.5	718.8	710.2	701.6	708.1	697.3
7.5°	796.0	781.0	766.0	740.3	723.1	703.8	695.2	690.9	684.5	680.2	680.2
10°	826.1	804.6	776.7	738.1	710.2	680.2	675.9	667.3	660.9	660.9	658.7
12.5°	856.1	832.5	785.3	723.1	675.9	654.4	652.3	654.4	658.7	660.9	663.0
15°	894.7	856.1	783.2	695.2	648.0	639.4	650.1	658.7	667.3	675.9	673.7
17.5°	931.2	886.2	763.9	660.9	624.4	626.5	645.8	663.0	680.2	688.8	690.9
20°	980.6	914.1	736.0	620.1	600.8	620.1	645.8	667.3	686.6	697.3	699.5
22.5°	1036.4	946.2	699.5	583.6	581.5	600.8	626.5	658.7	680.2	699.5	697.3
25°	1085.7	967.7	652.3	553.6	557.9	570.7	600.8	635.1	656.6	678.0	671.6
27.5°	1117.9	972.0	602.9	532.1	532.1	545.0	572.9	594.3	613.7	630.8	633.0
30°	1154.4	963.4	547.1	504.2	504.2	521.4	532.1	545.0	555.7	560.0	564.3
32.5°	1197.3	944.1	512.8	482.8	482.8	495.6	502.1	497.8	495.6	484.9	491.4
35°	1238.0	916.2	474.2	454.9	463.5	469.9	467.8	454.9	442.0	422.7	416.3
37.5°	1287.4	888.3	439.9	424.8	439.9	442.0	442.0	427.0	409.8	386.2	386.2
40°	1362.5	866.8	412.0	405.5	420.5	418.4	407.7	396.9	403.4	390.5	390.5
42.5°	1441.9	858.3	386.2	388.4	394.8	396.9	386.2	373.3	399.1	384.1	386.2
45°	1540.6	864.7	369.1	366.9	381.9	379.8	373.3	362.6	371.2	332.6	321.8
47.5°	1632.8	877.6	360.5	351.9	369.1	373.3	364.8	341.2	328.3	304.7	300.4
50°	1716.5	905.5	351.9	334.7	351.9	360.5	345.5	319.7	304.7	289.7	289.7
52.5°	1795.9	946.2	347.6	315.4	330.4	341.2	332.6	306.8	289.7	283.2	276.8
55°	1877.5	982.7	341.2	302.5	306.8	328.3	326.1	291.8	274.6	274.6	272.5
57.5°	1993.3	1032.1	332.6	281.1	289.7	313.3	313.3	285.4	266.1	268.2	270.4
60°	2111.3	1090.0	324.0	259.6	266.1	298.2	302.5	276.8	259.6	261.8	259.6
62.5°	2300.1	1197.3	306.8	233.9	246.8	278.9	289.7	266.1	251.0	255.3	255.3
65°	2585.5	1381.8	270.4	212.4	227.4	261.8	276.8	255.3	238.2	251.0	246.8
67.5°	3044.7	1635.0	227.4	195.3	214.6	244.6	261.8	242.5	227.4	246.8	240.3
70°	3456.7	1759.4	195.3	180.2	195.3	225.3	244.6	229.6	214.6	233.9	225.3
72.5°	3289.3	1379.7	169.5	163.1	178.1	203.8	227.4	212.4	197.4	208.1	199.5
75°	2838.7	1098.6	148.1	145.9	158.8	184.5	208.1	197.4	182.4	186.7	182.4
77.5°	2152.1	907.6	126.6	124.4	135.2	165.2	186.7	178.1	163.1	160.9	160.9
80°	961.3	446.3	105.1	105.1	111.6	141.6	158.8	154.5	139.5	137.3	135.2
82.5°	315.4	169.5	85.8	81.5	90.1	118.0	141.6	137.3	122.3	118.0	113.7
85°	126.6	81.5	62.2	62.2	70.8	98.7	126.6	118.0	98.7	88.0	88.0
87.5°	42.9	34.3	32.2	32.2	45.1	66.5	94.4	79.4	70.8	62.2	64.4
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)