

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: P671967

Luminaire Tested: **CCP-SA-1B-740-U-AFL**

Issue Date: 04/16/2023

Test Information

Test Method: LM-79-08
Report Number: P671967
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1B-740-U-AFL
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @450mA w/ AFL
distribution lens
Light Source: (16) 4000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3485.2 lumens
Efficiency: N/A
Efficacy: 145.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

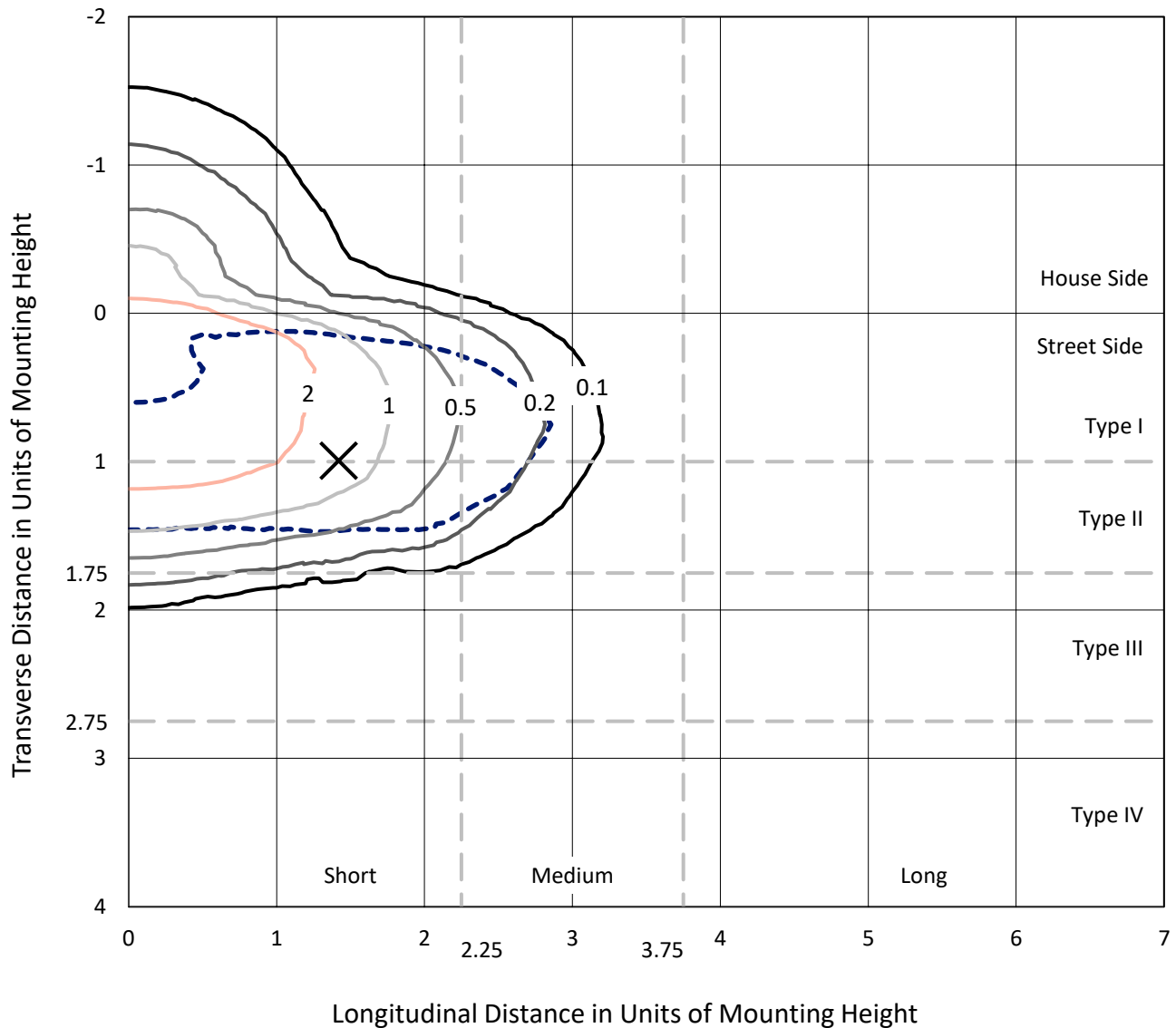
Input Watts (W): 24
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Iso-Footcandle Lines of Horizontal Illumination

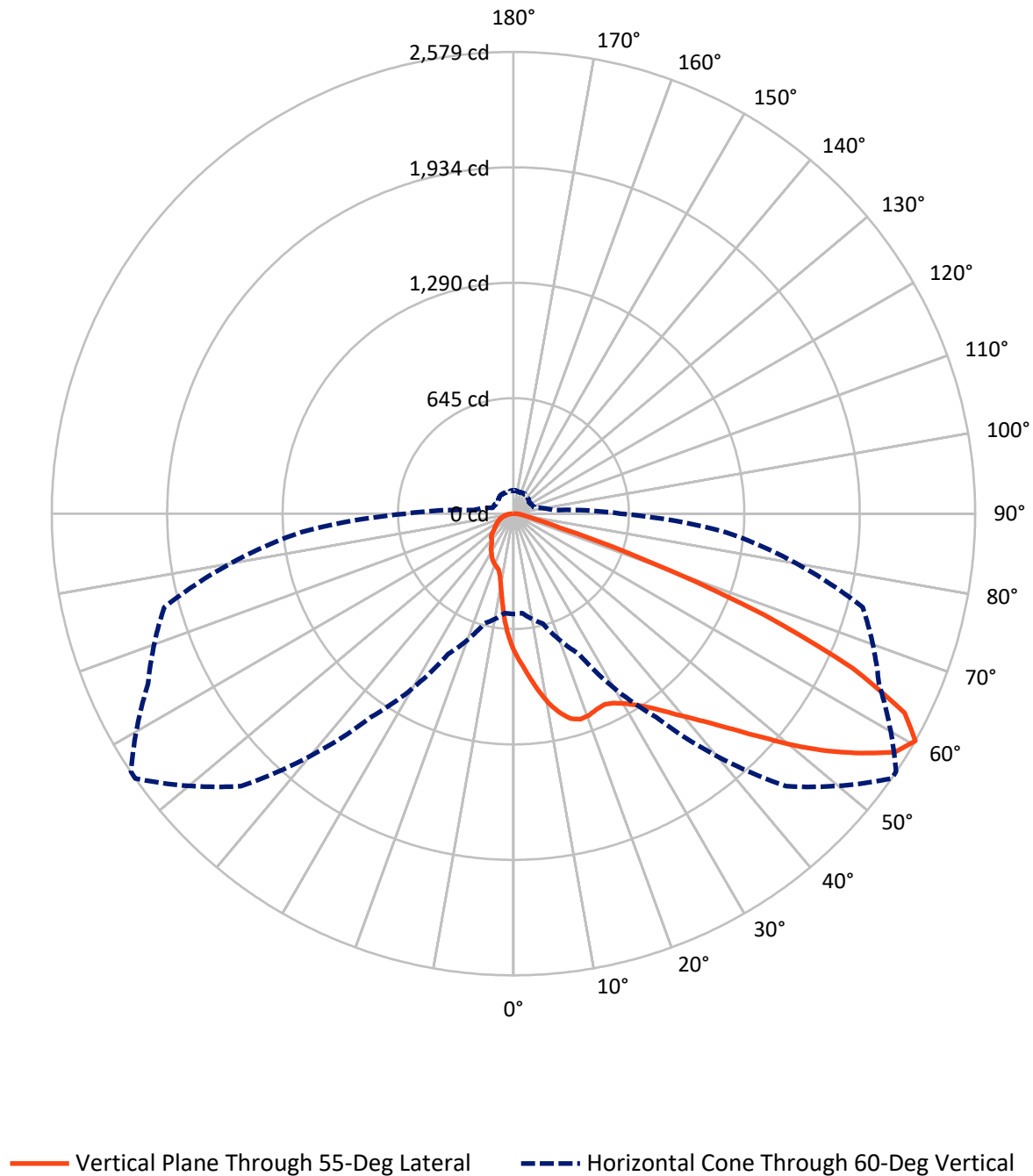
× Max cd
- - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 4.8 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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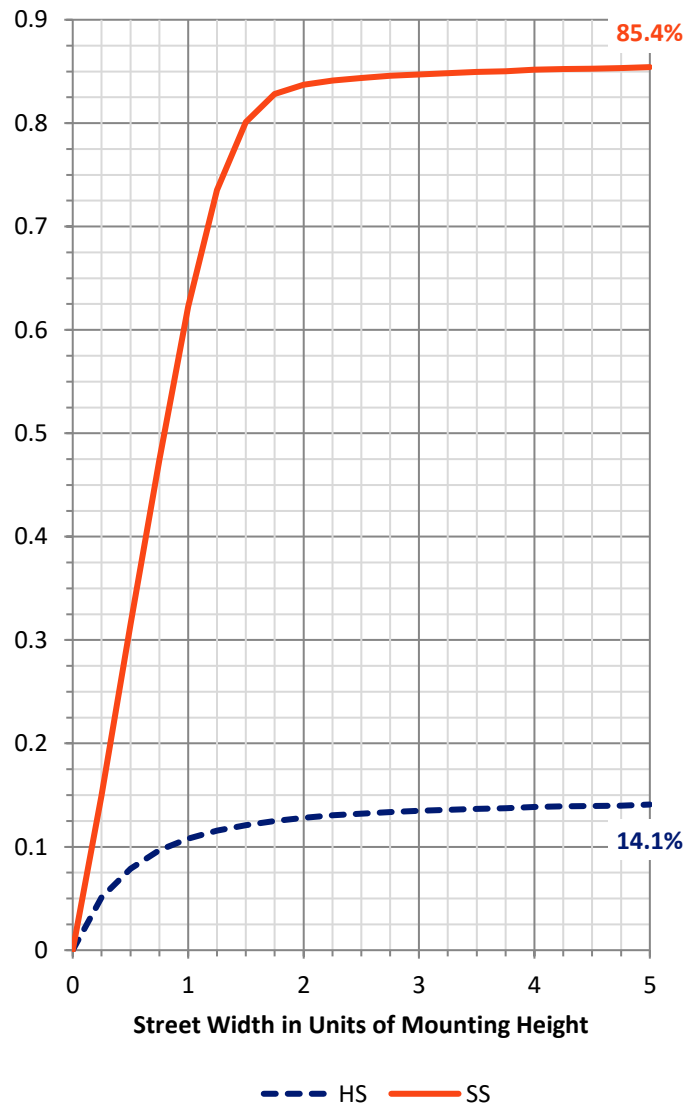
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	501.0	0.0	501.0
	% Fixture	14.4	0.0	14.4
Street Side	Lumens	2984.2	0.0	2984.2
	% Fixture	85.6	0.0	85.6
Total	Lumens	3485.2	0.0	3485.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	72.3	2.1
10°-20°	204.9	5.9
20°-30°	333.7	9.6
30°-40°	498.7	14.3
40°-50°	733.0	21.0
50°-60°	859.1	24.6
60°-70°	566.4	16.3
70°-80°	180.4	5.2
80°-90°	36.7	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°	3485.2	100.0
0°-180°	3485.2	100.0

Coefficient of Utilization



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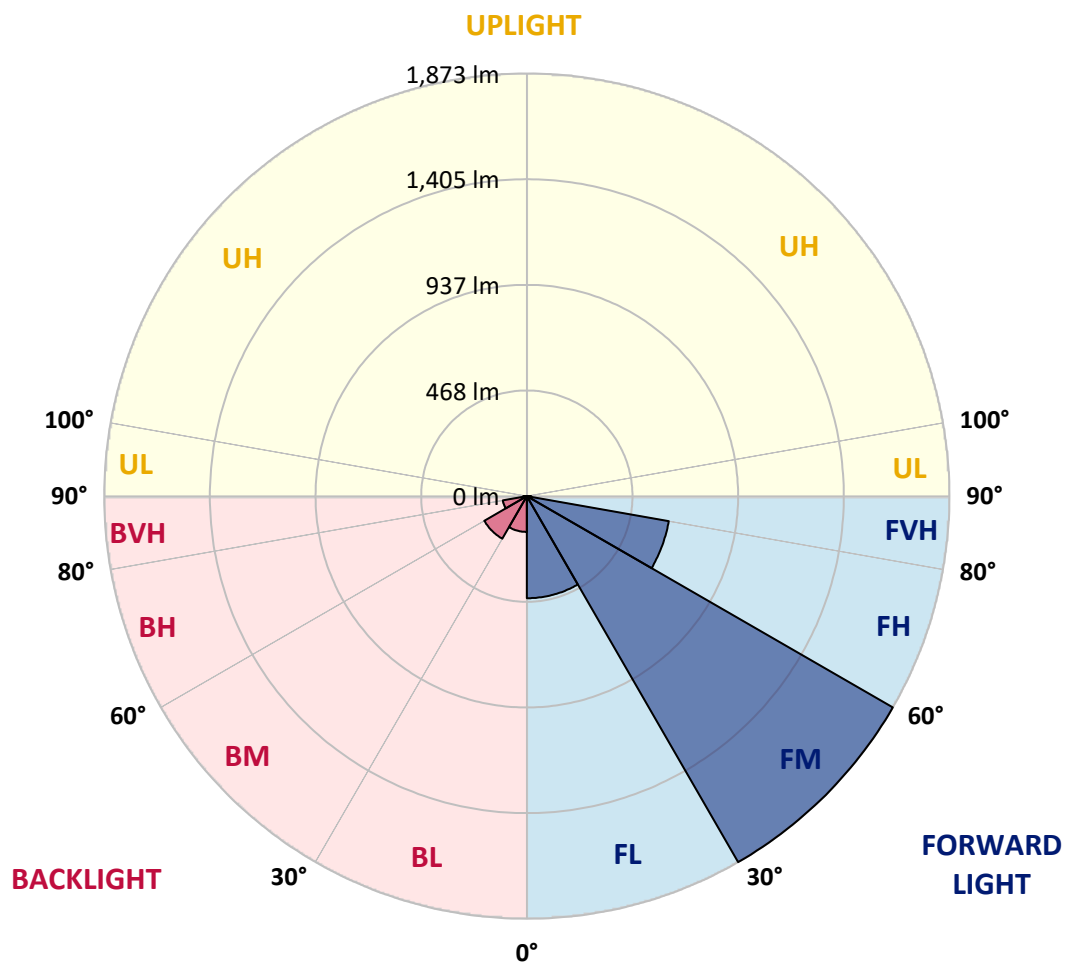
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	452.3	13.0			
FM	(30°-60°)	1873.0	53.7			
FH	(60°-80°)	638.7	18.3			G0/660
FVH	(80°-90°)	20.1	0.6			G1/100
BL	(0°-30°)	158.6	4.6	B1/500		
BM	(30°-60°)	217.8	6.2	B0/220		
BH	(60°-80°)	108.1	3.1	B0/110		G0/110
BVH	(80°-90°)	16.6	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°	772.9	772.9	772.9	772.9	772.9	772.9	772.9	772.9	772.9	772.9	772.9
2.5°	899.5	896.2	896.2	887.9	875.5	858.3	837.9	832.8	825.0	805.0	779.3
5°	1036.7	1033.1	1028.3	1013.7	990.7	956.3	913.1	905.3	877.3	836.1	789.6
7.5°	1127.3	1125.3	1123.8	1111.2	1088.4	1054.6	996.7	987.9	940.4	872.2	799.5
10°	1118.0	1124.0	1134.7	1143.5	1148.0	1130.6	1076.3	1066.0	1007.1	914.1	814.1
12.5°	1030.3	1038.9	1058.6	1094.7	1136.4	1170.0	1139.2	1133.4	1078.3	958.6	832.6
15°	965.2	968.7	978.3	1005.1	1067.2	1156.9	1188.0	1182.7	1144.8	1015.7	853.8
17.5°	945.0	946.5	948.7	957.6	1000.0	1105.6	1207.9	1213.0	1209.2	1075.0	877.8
20°	955.1	956.1	956.3	957.8	978.0	1062.7	1202.6	1211.2	1265.8	1134.4	901.5
22.5°	994.0	992.7	990.9	985.1	996.5	1055.1	1188.5	1202.1	1309.5	1188.5	923.5
25°	1061.9	1060.1	1047.8	1035.6	1040.4	1082.4	1180.9	1195.5	1343.6	1239.5	939.7
27.5°	1142.7	1141.0	1128.3	1105.4	1100.3	1127.8	1198.6	1207.7	1368.6	1284.7	946.7
30°	1226.6	1226.6	1210.9	1184.4	1168.3	1179.9	1231.1	1238.5	1387.5	1328.4	951.3
32.5°	1318.0	1320.6	1296.3	1266.0	1248.1	1241.3	1276.9	1283.2	1415.0	1379.9	960.9
35°	1435.5	1429.9	1400.4	1360.5	1331.7	1316.3	1333.4	1340.8	1455.5	1444.1	976.3
37.5°	1567.6	1557.8	1521.4	1473.6	1423.4	1397.6	1409.0	1410.7	1515.3	1527.7	1004.3
40°	1676.7	1675.0	1644.1	1598.9	1535.5	1500.9	1495.4	1496.4	1598.4	1626.7	1046.8
42.5°	1768.7	1762.1	1756.5	1740.6	1673.4	1616.6	1593.9	1594.1	1688.6	1729.0	1089.4
45°	1809.3	1808.1	1824.5	1865.4	1817.2	1750.2	1717.9	1722.4	1791.9	1834.1	1130.6
47.5°	1791.9	1792.9	1836.9	1944.2	1972.8	1921.5	1864.2	1861.4	1891.9	1914.7	1167.0
50°	1636.3	1652.7	1771.7	1951.5	2074.8	2100.3	2035.7	2025.3	1979.6	1978.8	1189.2
52.5°	1518.9	1518.1	1591.1	1877.0	2110.9	2261.7	2203.6	2180.4	2052.1	2015.0	1191.0
55°	1360.2	1359.2	1413.5	1659.0	2039.2	2374.4	2362.0	2333.0	2118.5	2026.8	1178.9
57.5°	1030.1	1049.3	1103.3	1328.1	1811.9	2356.5	2513.3	2489.1	2183.4	2021.5	1176.6
60°	560.5	558.2	636.5	865.6	1387.3	2152.9	2579.2	2578.0	2252.4	2019.5	1190.5
62.5°	258.4	255.9	271.5	385.5	795.4	1724.7	2451.9	2470.1	2316.3	2001.1	1189.2
65°	193.2	186.7	165.4	179.3	304.4	1029.6	2082.6	2131.1	2217.8	1925.3	1134.2
67.5°	172.3	166.0	141.2	132.4	152.8	363.2	1510.8	1555.5	1854.6	1783.3	1045.0
70°	157.9	152.3	127.6	113.7	114.7	160.9	790.9	878.8	1359.2	1488.3	890.7
72.5°	144.0	139.2	116.7	100.0	96.5	106.3	269.5	325.1	845.4	1084.6	664.1
75°	129.3	124.8	105.1	89.7	82.9	78.8	128.3	138.2	447.1	598.9	356.4
77.5°	112.4	109.9	93.7	79.1	73.3	59.6	85.4	89.7	191.5	235.2	169.7
80°	97.8	95.7	83.6	71.7	65.7	46.0	58.9	61.9	94.5	117.5	95.0
82.5°	63.7	68.7	69.2	61.6	57.8	36.9	38.9	41.2	62.6	69.2	41.4
85°	26.3	31.8	47.7	42.4	40.2	31.3	25.8	26.3	38.4	40.4	14.9
87.5°	11.9	13.1	23.5	23.7	20.7	11.9	12.9	14.1	19.7	19.4	6.6
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°	772.9	772.9	772.9	772.9	772.9	772.9	772.9	772.9	772.9	772.9	772.9
2.5°	772.2	760.6	739.9	713.3	694.4	680.5	665.3	654.2	641.8	631.0	632.8
5°	770.4	747.9	701.5	652.2	604.2	564.8	532.0	507.7	482.7	472.9	471.6
7.5°	771.9	733.8	657.5	576.9	503.9	453.7	415.5	392.5	378.1	369.8	370.3
10°	771.4	720.4	610.0	498.9	419.1	373.1	349.8	342.3	341.0	342.0	343.5
12.5°	772.2	702.2	556.7	428.7	358.2	334.7	335.7	342.5	346.8	349.6	351.4
15°	775.5	687.3	502.2	373.3	326.4	327.1	338.0	348.6	354.9	357.9	359.4
17.5°	780.3	668.6	453.7	331.4	313.0	324.6	338.7	350.1	354.9	356.7	357.9
20°	780.8	647.1	404.7	302.6	304.1	319.3	331.7	340.8	346.8	348.8	349.8
22.5°	778.5	618.1	354.4	281.6	294.0	309.2	319.8	330.1	322.1	315.5	313.7
25°	768.9	581.5	311.4	264.5	281.4	295.5	307.7	296.3	292.5	287.5	288.0
27.5°	748.2	535.8	271.0	248.3	266.5	286.7	277.9	276.3	271.5	266.5	266.5
30°	720.9	487.5	237.2	231.4	248.6	258.7	260.7	258.4	255.6	249.1	249.6
32.5°	696.4	436.5	213.2	217.2	237.2	237.2	246.0	246.0	235.9	217.5	217.5
35°	672.2	388.5	195.5	205.4	218.5	222.8	234.9	219.0	204.6	196.3	195.8
37.5°	653.2	347.6	183.9	195.3	200.3	211.2	211.4	199.8	195.0	187.4	186.7
40°	642.1	313.2	176.8	190.2	190.7	200.8	184.1	187.4	186.4	180.6	179.8
42.5°	636.0	286.7	171.5	185.9	183.4	173.5	170.5	176.1	177.8	174.8	173.5
45°	631.2	266.0	167.2	171.0	177.6	159.6	158.4	162.7	166.5	166.2	165.2
47.5°	628.7	251.6	163.4	161.7	162.9	151.3	148.8	150.8	155.6	158.6	158.4
50°	618.9	240.5	157.9	152.1	144.0	144.0	142.7	142.7	148.5	154.6	155.1
52.5°	601.4	227.3	149.8	143.0	133.6	137.7	138.2	137.2	143.2	149.8	150.3
55°	582.2	217.5	138.9	134.6	125.0	131.9	134.1	133.1	137.2	141.7	141.5
57.5°	582.5	217.2	129.6	126.3	117.0	124.5	130.1	130.3	130.1	133.4	133.4
60°	597.1	222.3	122.3	115.2	107.6	116.7	125.8	125.8	124.0	128.8	129.3
62.5°	601.4	221.8	117.7	104.6	99.3	109.6	119.5	121.0	119.7	126.6	127.3
65°	563.5	209.9	113.2	95.0	91.7	101.8	111.6	115.9	114.7	123.5	124.5
67.5°	511.0	194.5	106.1	86.4	83.9	94.2	103.6	108.1	107.9	119.5	120.0
70°	440.5	175.6	97.2	77.5	76.3	85.4	93.7	98.5	100.8	114.2	113.9
72.5°	341.3	150.5	83.9	68.2	67.9	76.3	83.6	88.9	93.2	106.1	106.1
75°	220.0	118.5	68.5	59.1	58.1	65.9	73.5	79.6	92.7	113.2	112.9
77.5°	134.4	90.4	55.1	49.3	49.0	56.1	63.7	74.0	101.3	100.8	98.0
80°	80.6	64.9	44.0	39.4	39.4	46.0	54.3	79.3	84.1	96.0	90.7
82.5°	41.9	39.9	32.8	29.0	30.3	36.1	49.5	63.4	68.7	58.3	53.6
85°	17.2	21.2	20.2	18.4	19.2	25.0	47.7	50.8	40.7	42.7	42.9
87.5°	5.8	9.3	9.3	7.3	8.1	17.7	28.3	16.9	20.5	12.1	9.1
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)