

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: P670644

Luminaire Tested: **CCP-SA-2B-727-U-T2**

Issue Date: 04/16/2023

Test Information

Test Method: LM-79-08
Report Number: P670644
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2B-727-U-T2
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @450mA w/ T2
distribution lens
Light Source: (32) 2700K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5761.2 lumens
Efficiency: N/A
Efficacy: 125.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G2

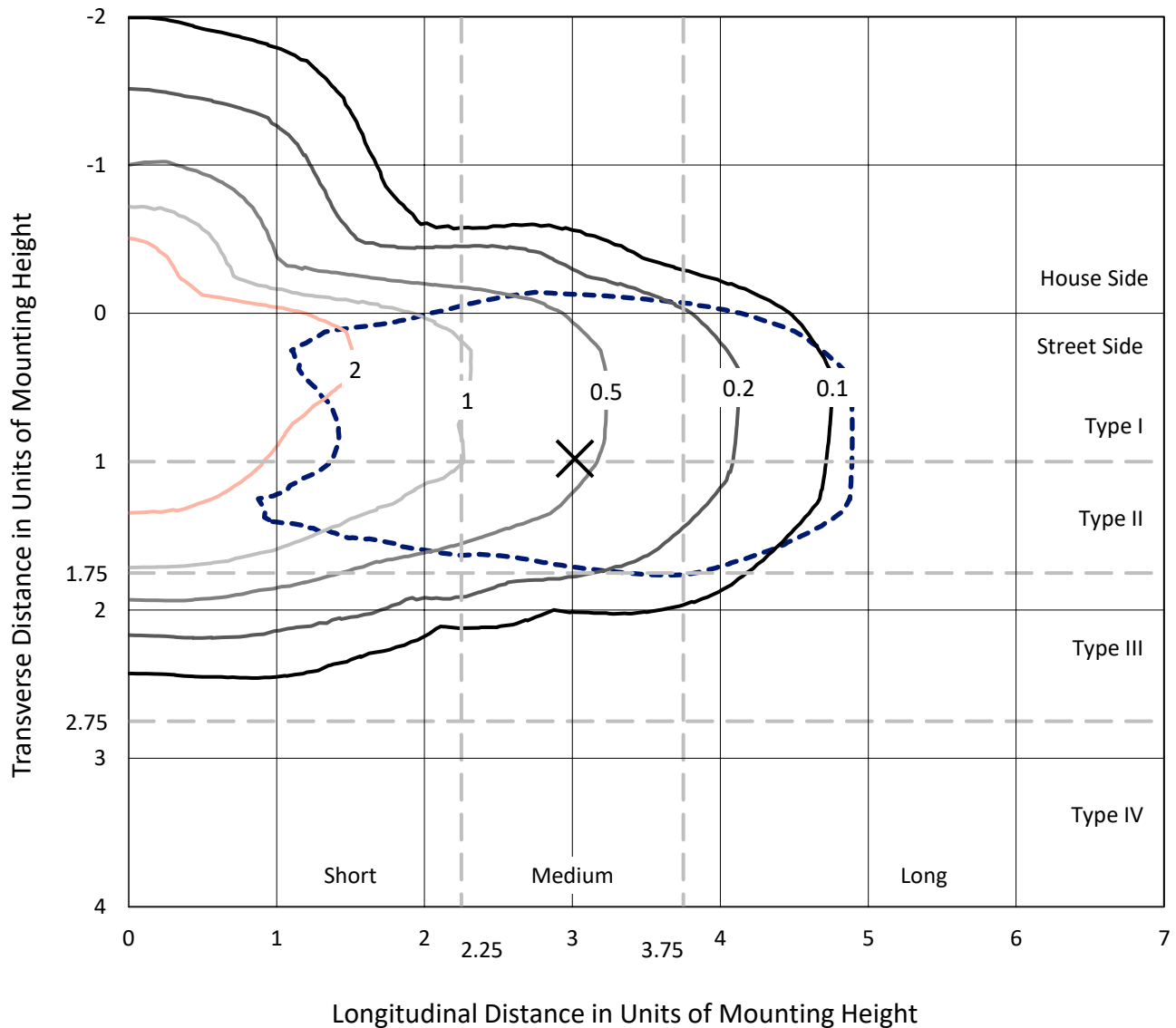
Input Watts (W): 46
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Iso-Footcandle Lines of Horizontal Illumination

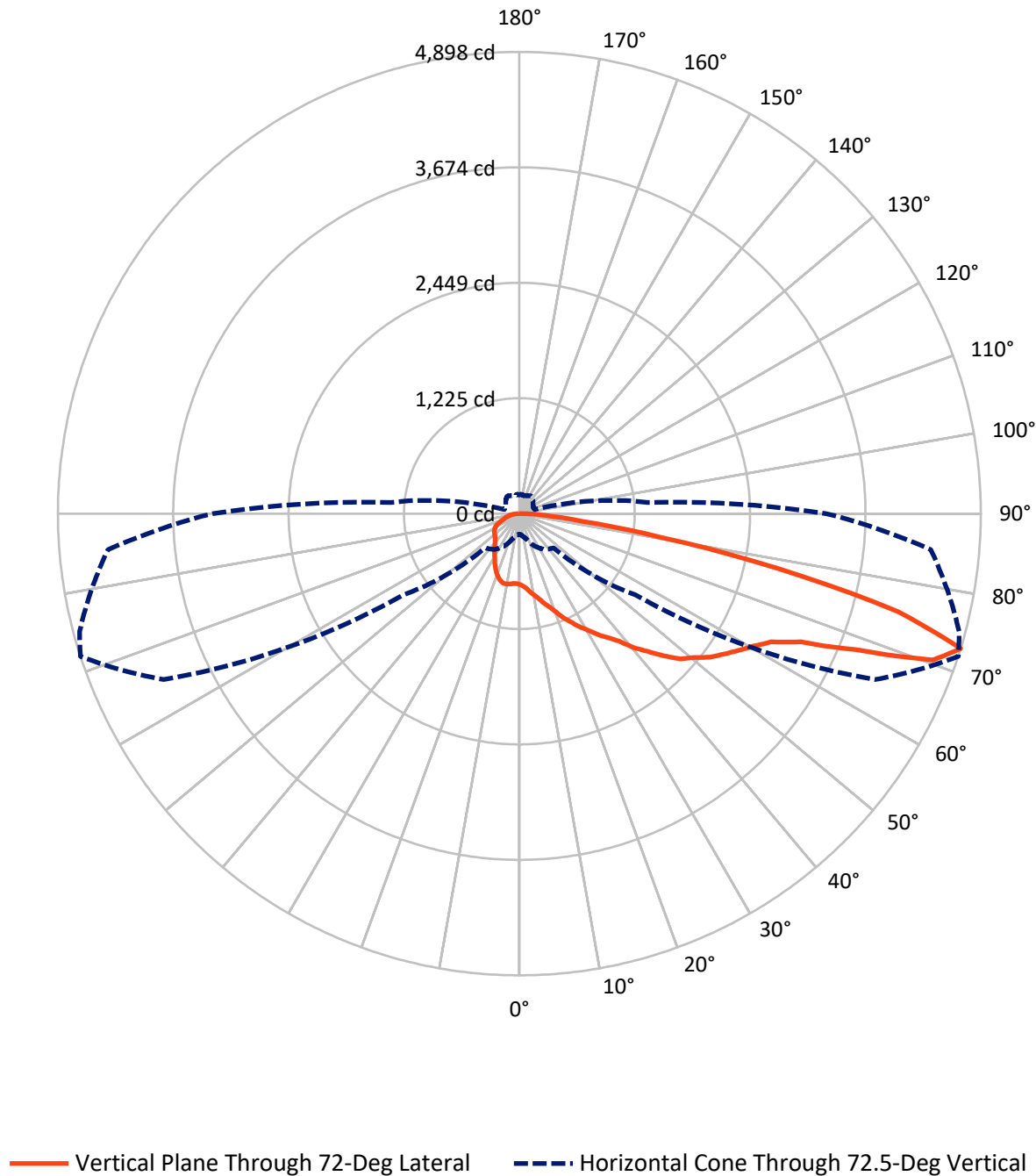
× Max cd
 - - - 1/2 Max cd



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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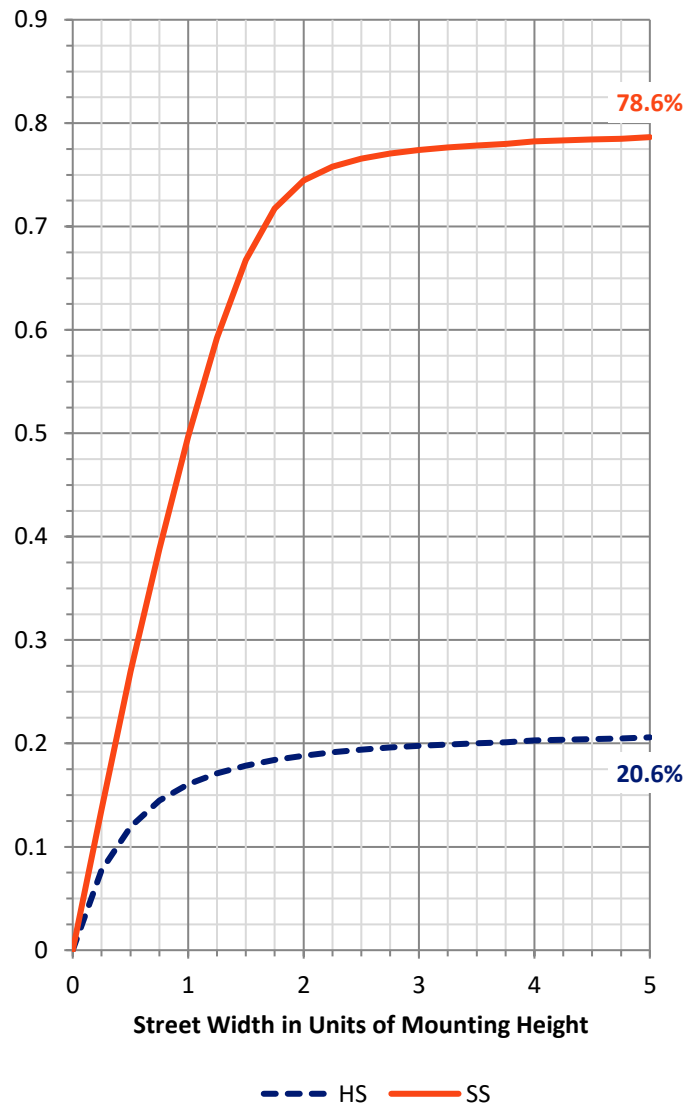
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1212.5	0.0	1212.5
	% Fixture	21.0	0.0	21.0
Street Side	Lumens	4548.8	0.0	4548.8
	% Fixture	79.0	0.0	79.0
Total	Lumens	5761.2	0.0	5761.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	74.4	1.3
10°-20°	231.2	4.0
20°-30°	400.1	6.9
30°-40°	590.9	10.3
40°-50°	878.8	15.3
50°-60°	1204.7	20.9
60°-70°	1306.8	22.7
70°-80°	921.3	16.0
80°-90°	153.1	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°	5761.2	100.0
0°-180°	5761.2	100.0

Coefficient of Utilization



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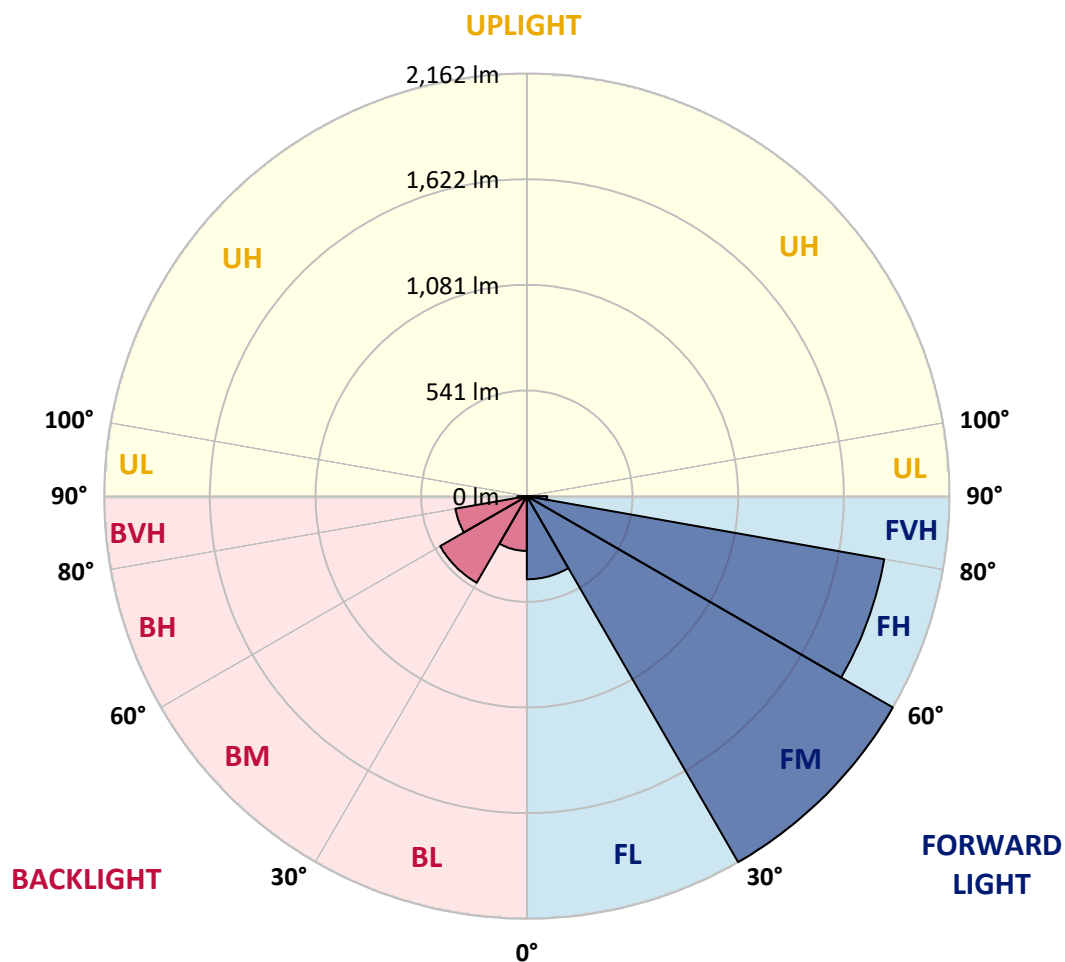
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	425.4	7.4			
FM	(30°-60°)	2162.3	37.5			
FH	(60°-80°)	1856.7	32.2			G2/5000
FVH	(80°-90°)	104.4	1.8			G2/225
BL	(0°-30°)	280.2	4.9	B1/500		
BM	(30°-60°)	512.1	8.9	B1/1000		
BH	(60°-80°)	371.4	6.4	B1/500		G1/500
BVH	(80°-90°)	48.7	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°	752.6	752.6	752.6	752.6	752.6	752.6	752.6	752.6	752.6	752.6	752.6
2.5°	812.1	812.1	805.7	803.6	803.6	786.6	788.7	778.1	769.6	769.6	761.1
5°	854.6	850.4	850.4	850.4	839.7	833.4	831.2	812.1	797.2	799.3	773.8
7.5°	865.3	867.4	869.5	880.1	873.8	878.0	873.8	852.5	841.9	831.2	807.9
10°	871.6	875.9	875.9	890.8	890.8	901.4	907.8	899.3	880.1	869.5	831.2
12.5°	886.5	880.1	888.6	899.3	909.9	929.0	948.2	939.7	926.9	914.1	871.6
15°	886.5	888.6	895.0	912.0	929.0	948.2	982.2	994.9	988.6	965.2	920.5
17.5°	861.0	854.6	884.4	916.3	948.2	971.6	1016.2	1046.0	1041.7	1033.2	965.2
20°	863.1	869.5	880.1	907.8	958.8	1001.3	1056.6	1105.5	1116.1	1111.9	1024.7
22.5°	901.4	903.5	914.1	926.9	967.3	1022.6	1105.5	1184.1	1203.3	1192.6	1090.6
25°	939.7	956.7	956.7	965.2	980.1	1037.5	1137.4	1247.9	1275.6	1277.7	1158.6
27.5°	1001.3	1005.6	1018.3	1022.6	1035.3	1069.3	1173.5	1294.7	1358.5	1350.0	1220.3
30°	1073.6	1075.7	1084.2	1080.0	1082.1	1124.6	1207.5	1347.8	1435.0	1437.1	1286.2
32.5°	1158.6	1175.6	1179.9	1152.3	1156.5	1167.1	1260.7	1411.6	1530.7	1515.8	1343.6
35°	1284.1	1290.4	1277.7	1264.9	1233.0	1226.7	1316.0	1475.4	1613.6	1630.6	1428.6
37.5°	1439.3	1456.3	1439.3	1371.2	1337.2	1311.7	1384.0	1545.6	1713.5	1770.9	1513.7
40°	1583.8	1581.7	1564.7	1503.0	1443.5	1424.4	1481.8	1643.3	1868.7	1924.0	1637.0
42.5°	1700.7	1694.4	1683.7	1637.0	1581.7	1549.8	1594.4	1745.4	1998.4	2104.7	1779.4
45°	1802.8	1794.3	1796.4	1743.3	1690.1	1707.1	1707.1	1862.3	2151.4	2283.2	1943.1
47.5°	1898.5	1902.7	1896.3	1855.9	1815.5	1860.2	1836.8	1996.2	2302.4	2449.1	2081.3
50°	2009.0	2017.5	1996.2	1970.7	1934.6	1979.2	1949.5	2121.7	2400.2	2600.0	2247.1
52.5°	2113.2	2121.7	2140.8	2108.9	2072.8	2108.9	2040.9	2238.6	2529.9	2746.7	2374.7
55°	2138.7	2134.4	2240.7	2274.7	2293.9	2185.5	2121.7	2338.5	2631.9	2840.2	2519.2
57.5°	2021.8	2032.4	2177.0	2274.7	2478.8	2385.3	2213.1	2455.4	2738.2	2963.5	2653.2
60°	1730.5	1736.9	1917.6	2149.3	2446.9	2572.4	2459.7	2606.4	2855.1	3067.7	2804.1
62.5°	1156.5	1205.4	1430.8	1794.3	2221.6	2623.4	2853.0	2861.5	2997.6	3199.5	3010.3
65°	610.1	633.5	810.0	1103.4	1683.7	2446.9	3222.9	3367.5	3282.4	3441.9	3307.9
67.5°	399.7	408.2	503.8	669.7	971.6	1785.8	3265.4	4245.5	3854.3	3903.2	3784.2
70°	297.6	301.9	372.0	495.3	601.6	954.5	2676.5	4655.8	4653.7	4524.0	4349.7
72.5°	219.0	225.3	274.2	378.4	463.5	514.5	1505.2	4164.7	4898.1	4832.2	4383.7
75°	172.2	176.5	202.0	293.4	374.2	338.0	763.2	3084.7	4154.1	4470.8	4011.6
77.5°	140.3	144.6	159.4	212.6	299.8	261.5	365.7	1989.9	2816.9	3218.7	3069.8
80°	116.9	116.9	127.6	150.9	231.7	197.7	216.8	1118.2	1517.9	1675.2	1392.5
82.5°	99.9	97.8	106.3	110.5	172.2	142.4	140.3	506.0	667.5	707.9	523.0
85°	63.8	65.9	99.9	95.7	112.7	97.8	78.7	240.2	314.6	321.0	195.6
87.5°	25.5	25.5	42.5	53.1	63.8	59.5	38.3	108.4	138.2	138.2	55.3
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°	752.6	752.6	752.6	752.6	752.6	752.6	752.6	752.6	752.6	752.6	752.6
2.5°	759.0	750.5	744.1	739.8	729.2	718.6	720.7	718.6	710.1	705.8	705.8
5°	767.5	759.0	748.3	731.3	720.7	707.9	712.2	703.7	695.2	701.6	690.9
7.5°	788.7	773.8	759.0	733.4	716.4	697.3	688.8	684.5	678.2	673.9	673.9
10°	818.5	797.2	769.6	731.3	703.7	673.9	669.7	661.2	654.8	654.8	652.7
12.5°	848.2	824.9	778.1	716.4	669.7	648.4	646.3	648.4	652.7	654.8	656.9
15°	886.5	848.2	776.0	688.8	642.0	633.5	644.2	652.7	661.2	669.7	667.5
17.5°	922.7	878.0	756.8	654.8	618.6	620.8	639.9	656.9	673.9	682.4	684.5
20°	971.6	905.6	729.2	614.4	595.3	614.4	639.9	661.2	680.3	690.9	693.1
22.5°	1026.8	937.5	693.1	578.3	576.1	595.3	620.8	652.7	673.9	693.1	690.9
25°	1075.7	958.8	646.3	548.5	552.7	565.5	595.3	629.3	650.5	671.8	665.4
27.5°	1107.6	963.0	597.4	527.2	527.2	540.0	567.6	588.9	608.0	625.0	627.1
30°	1143.8	954.5	542.1	499.6	499.6	516.6	527.2	540.0	550.6	554.9	559.1
32.5°	1186.3	935.4	508.1	478.3	478.3	491.1	497.5	493.2	491.1	480.5	486.8
35°	1226.7	907.8	469.8	450.7	459.2	465.6	463.5	450.7	437.9	418.8	412.4
37.5°	1275.6	880.1	435.8	420.9	435.8	437.9	437.9	423.1	406.1	382.7	382.7
40°	1350.0	858.9	408.2	401.8	416.7	414.6	403.9	393.3	399.7	386.9	386.9
42.5°	1428.6	850.4	382.7	384.8	391.2	393.3	382.7	369.9	395.4	380.5	382.7
45°	1526.4	856.7	365.7	363.5	378.4	376.3	369.9	359.3	367.8	329.5	318.9
47.5°	1617.8	869.5	357.2	348.7	365.7	369.9	361.4	338.0	325.3	301.9	297.6
50°	1700.7	897.1	348.7	331.6	348.7	357.2	342.3	316.8	301.9	287.0	287.0
52.5°	1779.4	937.5	344.4	312.5	327.4	338.0	329.5	304.0	287.0	280.6	274.2
55°	1860.2	973.7	338.0	299.8	304.0	325.3	323.1	289.1	272.1	272.1	270.0
57.5°	1975.0	1022.6	329.5	278.5	287.0	310.4	310.4	282.7	263.6	265.7	267.9
60°	2091.9	1080.0	321.0	257.2	263.6	295.5	299.8	274.2	257.2	259.4	257.2
62.5°	2279.0	1186.3	304.0	231.7	244.5	276.4	287.0	263.6	248.7	253.0	253.0
65°	2561.7	1369.1	267.9	210.5	225.3	259.4	274.2	253.0	236.0	248.7	244.5
67.5°	3016.7	1620.0	225.3	193.5	212.6	242.4	259.4	240.2	225.3	244.5	238.1
70°	3424.9	1743.3	193.5	178.6	193.5	223.2	242.4	227.5	212.6	231.7	223.2
72.5°	3259.1	1367.0	167.9	161.6	176.5	202.0	225.3	210.5	195.6	206.2	197.7
75°	2812.6	1088.5	146.7	144.6	157.3	182.8	206.2	195.6	180.7	185.0	180.7
77.5°	2132.3	899.3	125.4	123.3	133.9	163.7	185.0	176.5	161.6	159.4	159.4
80°	952.4	442.2	104.2	104.2	110.5	140.3	157.3	153.1	138.2	136.1	133.9
82.5°	312.5	167.9	85.0	80.8	89.3	116.9	140.3	136.1	121.2	116.9	112.7
85°	125.4	80.8	61.7	61.7	70.2	97.8	125.4	116.9	97.8	87.2	87.2
87.5°	42.5	34.0	31.9	31.9	44.6	65.9	93.5	78.7	70.2	61.7	63.8
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)