

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: P674806

Luminaire Tested: **CCW-SA-1F-727-U-T2**

Issue Date: 04/25/2023

Test Information

Test Method: LM-79-08
Report Number: P674806
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-1F-727-U-T2
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @1200mA w/
T2 distribution lens
Light Source: (16) 2700K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6254.6 lumens
Efficiency: N/A
Efficacy: 93.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G2

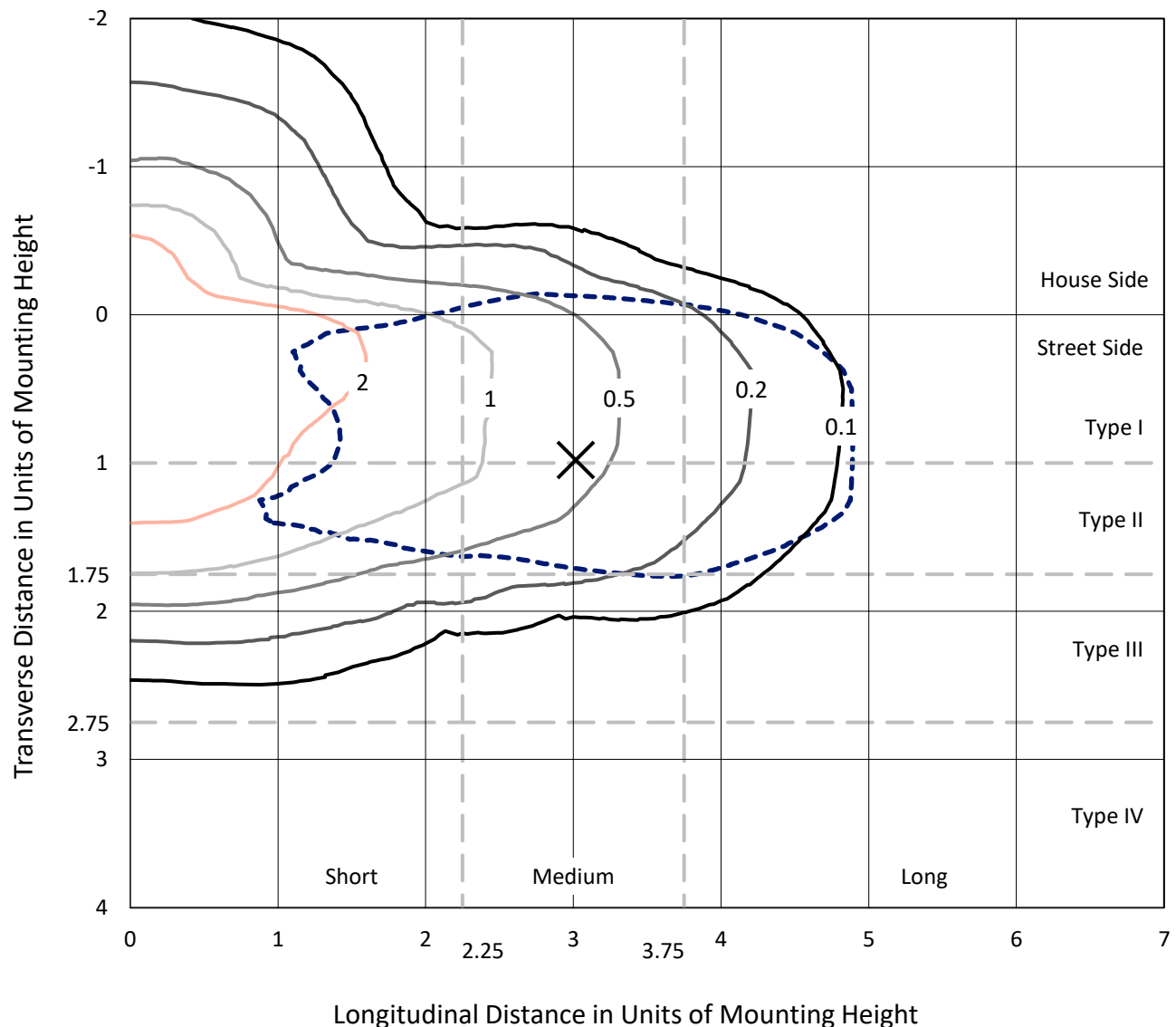
Input Watts (W): 67
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Iso-Footcandle Lines of Horizontal Illumination

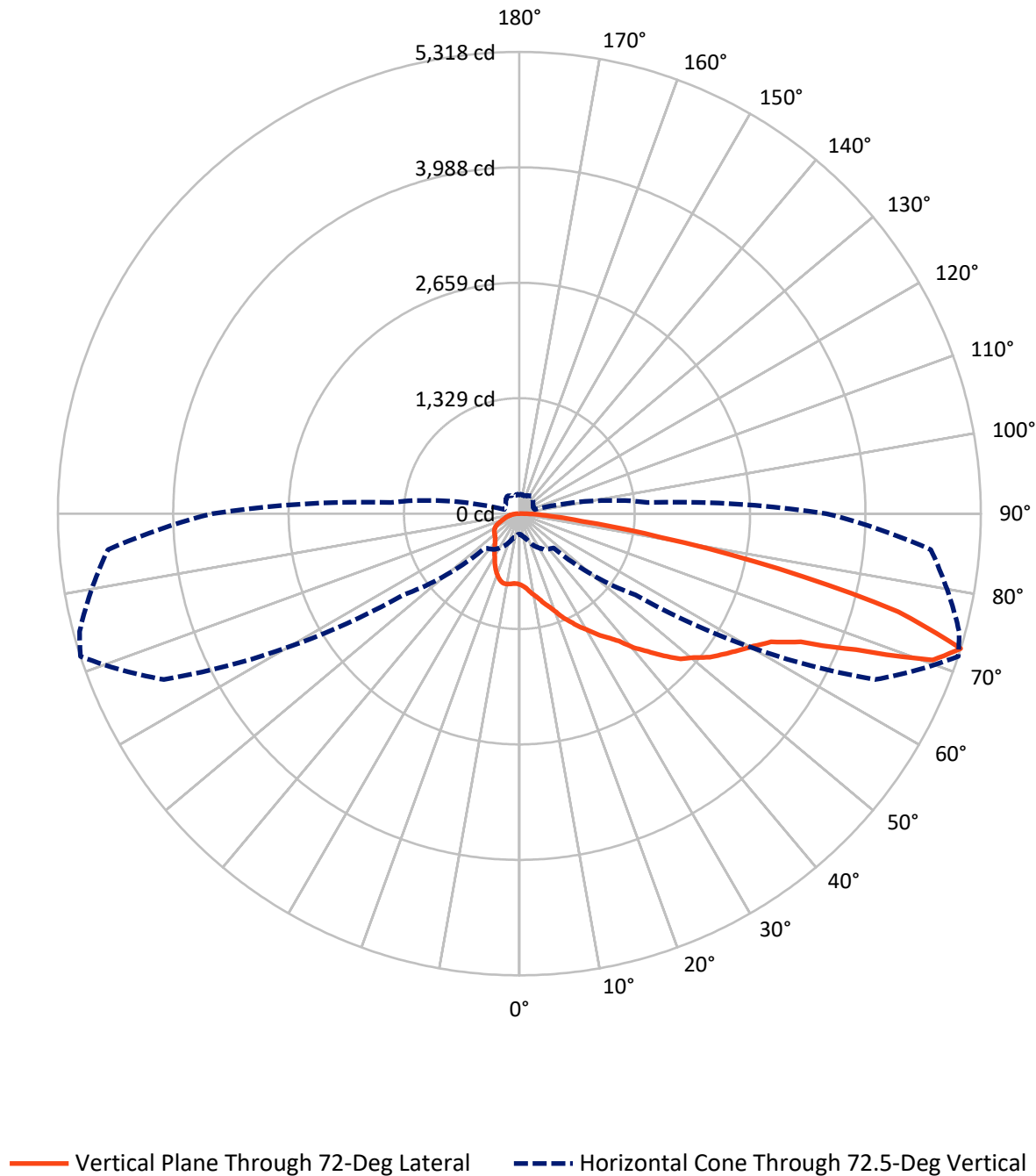
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 4.5 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



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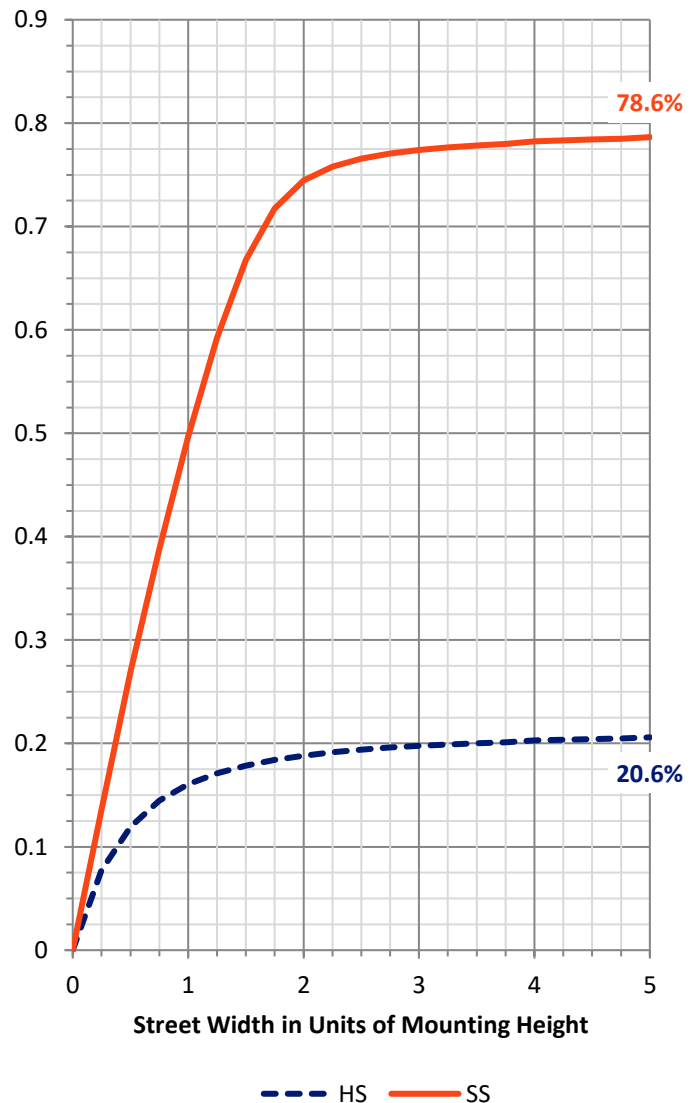
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1316.3	0.0	1316.3
	% Fixture	21.0	0.0	21.0
Street Side	Lumens	4938.3	0.0	4938.3
	% Fixture	79.0	0.0	79.0
Total	Lumens	6254.6	0.0	6254.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	80.8	1.3
10°-20°	251.0	4.0
20°-30°	434.3	6.9
30°-40°	641.5	10.3
40°-50°	954.0	15.3
50°-60°	1307.9	20.9
60°-70°	1418.7	22.7
70°-80°	1000.2	16.0
80°-90°	166.2	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°	6254.6	100.0
0°-180°	6254.6	100.0

Coefficient of Utilization



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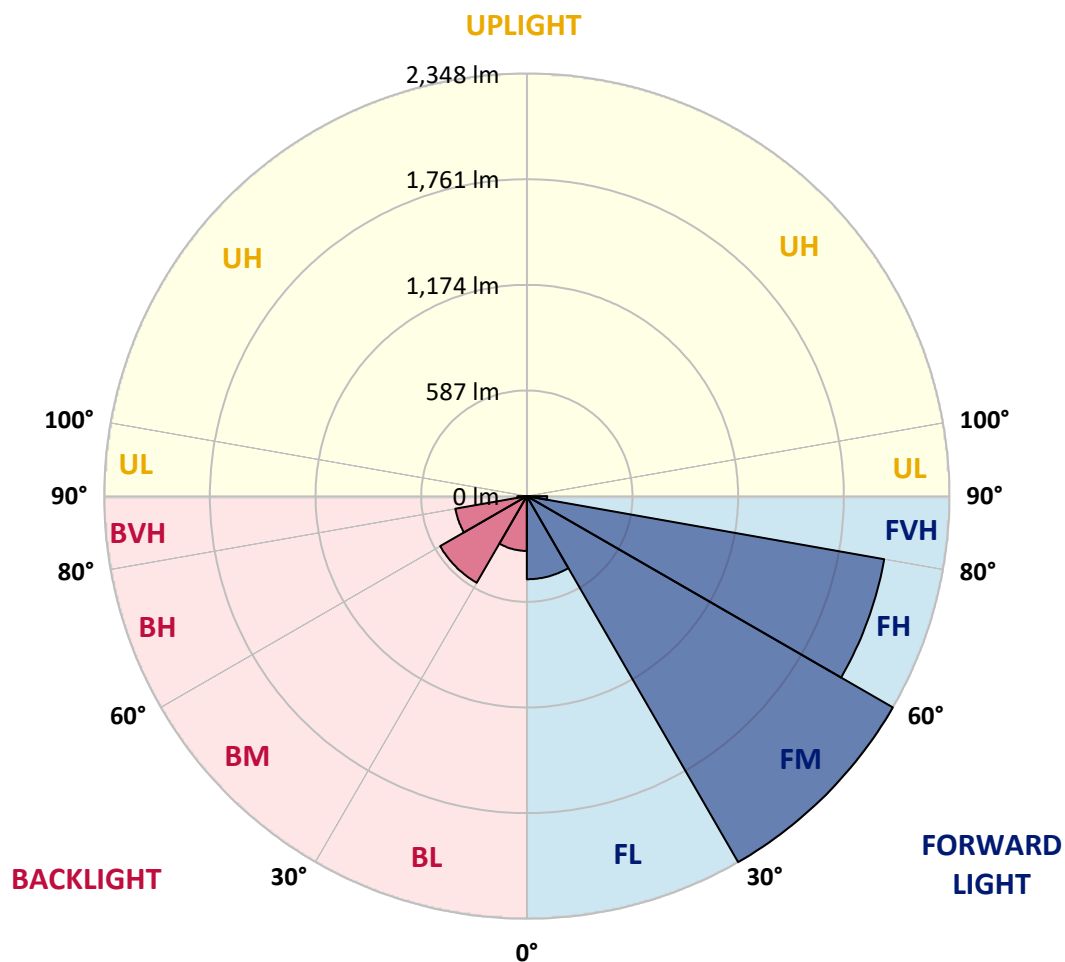
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	461.9	7.4			
FM	(30°-60°)	2347.5	37.5			
FH	(60°-80°)	2015.7	32.2			G2/5000
FVH	(80°-90°)	113.3	1.8			G2/225
BL	(0°-30°)	304.2	4.9	B1/500		
BM	(30°-60°)	556.0	8.9	B1/1000		
BH	(60°-80°)	403.2	6.4	B1/500		G1/500
BVH	(80°-90°)	52.9	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°	817.0	817.0	817.0	817.0	817.0	817.0	817.0	817.0	817.0	817.0	817.0
2.5°	881.7	881.7	874.7	872.4	872.4	854.0	856.3	844.7	835.5	835.5	826.3
5°	927.8	923.2	923.2	923.2	911.7	904.7	902.4	881.7	865.5	867.8	840.1
7.5°	939.4	941.7	944.0	955.5	948.6	953.2	948.6	925.5	914.0	902.4	877.0
10°	946.3	950.9	950.9	967.1	967.1	978.6	985.5	976.3	955.5	944.0	902.4
12.5°	962.4	955.5	964.7	976.3	987.8	1008.6	1029.4	1020.1	1006.3	992.4	946.3
15°	962.4	964.7	971.7	990.1	1008.6	1029.4	1066.3	1080.1	1073.2	1047.8	999.4
17.5°	934.7	927.8	960.1	994.7	1029.4	1054.8	1103.2	1135.5	1130.9	1121.7	1047.8
20°	937.0	944.0	955.5	985.5	1040.9	1087.1	1147.1	1200.2	1211.7	1207.1	1112.5
22.5°	978.6	980.9	992.4	1006.3	1050.1	1110.1	1200.2	1285.6	1306.3	1294.8	1184.0
25°	1020.1	1038.6	1038.6	1047.8	1064.0	1126.3	1234.8	1354.8	1384.8	1387.1	1257.9
27.5°	1087.1	1091.7	1105.5	1110.1	1124.0	1160.9	1274.0	1405.6	1474.8	1465.6	1324.8
30°	1165.5	1167.8	1177.1	1172.5	1174.8	1220.9	1310.9	1463.3	1557.9	1560.2	1396.3
32.5°	1257.9	1276.3	1280.9	1250.9	1255.6	1267.1	1368.6	1532.5	1661.8	1645.6	1458.7
35°	1394.0	1401.0	1387.1	1373.3	1338.6	1331.7	1428.7	1601.8	1751.8	1770.2	1551.0
37.5°	1562.5	1581.0	1562.5	1488.7	1451.7	1424.0	1502.5	1677.9	1860.3	1922.6	1643.3
40°	1719.5	1717.2	1698.7	1631.8	1567.1	1546.4	1608.7	1784.1	2028.7	2088.7	1777.2
42.5°	1846.4	1839.5	1827.9	1777.2	1717.2	1682.5	1731.0	1894.9	2169.5	2284.9	1931.8
45°	1957.2	1948.0	1950.3	1892.6	1834.9	1853.3	1853.3	2021.8	2335.7	2478.8	2109.5
47.5°	2061.0	2065.7	2058.7	2014.9	1971.0	2019.5	1994.1	2167.2	2499.6	2658.8	2259.5
50°	2181.1	2190.3	2167.2	2139.5	2100.3	2148.8	2116.4	2303.4	2605.7	2822.7	2439.6
52.5°	2294.2	2303.4	2324.2	2289.5	2250.3	2289.5	2215.7	2430.3	2746.5	2981.9	2578.0
55°	2321.9	2317.2	2432.6	2469.6	2490.3	2372.6	2303.4	2538.8	2857.3	3083.5	2735.0
57.5°	2194.9	2206.5	2363.4	2469.6	2691.1	2589.6	2402.6	2665.7	2972.7	3217.4	2880.4
60°	1878.7	1885.6	2081.8	2333.4	2656.5	2792.7	2670.4	2829.6	3099.6	3330.4	3044.3
62.5°	1255.6	1308.6	1553.3	1948.0	2411.9	2848.1	3097.3	3106.6	3254.3	3473.5	3268.1
65°	662.4	687.8	879.3	1197.9	1827.9	2656.5	3498.9	3655.9	3563.6	3736.7	3591.3
67.5°	433.9	443.1	547.0	727.0	1054.8	1938.7	3545.1	4609.1	4184.4	4237.5	4108.2
70°	323.1	327.7	403.9	537.8	653.2	1036.3	2905.8	5054.5	5052.2	4911.4	4722.2
72.5°	237.7	244.6	297.7	410.8	503.1	558.5	1634.1	4521.4	5317.6	5246.1	4759.1
75°	186.9	191.6	219.3	318.5	406.2	367.0	828.6	3348.9	4509.8	4853.7	4355.2
77.5°	152.3	156.9	173.1	230.8	325.4	283.9	397.0	2160.3	3058.1	3494.3	3332.8
80°	126.9	126.9	138.5	163.9	251.6	214.6	235.4	1214.0	1647.9	1818.7	1511.7
82.5°	108.5	106.2	115.4	120.0	186.9	154.6	152.3	549.3	724.7	768.6	567.8
85°	69.2	71.5	108.5	103.9	122.3	106.2	85.4	260.8	341.6	348.5	212.3
87.5°	27.7	27.7	46.2	57.7	69.2	64.6	41.5	117.7	150.0	150.0	60.0
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°	817.0	817.0	817.0	817.0	817.0	817.0	817.0	817.0	817.0	817.0	817.0
2.5°	824.0	814.7	807.8	803.2	791.6	780.1	782.4	780.1	770.9	766.3	766.3
5°	833.2	824.0	812.4	794.0	782.4	768.6	773.2	763.9	754.7	761.6	750.1
7.5°	856.3	840.1	824.0	796.3	777.8	757.0	747.8	743.2	736.3	731.6	731.6
10°	888.6	865.5	835.5	794.0	763.9	731.6	727.0	717.8	710.9	710.9	708.6
12.5°	920.9	895.5	844.7	777.8	727.0	703.9	701.6	703.9	708.6	710.9	713.2
15°	962.4	920.9	842.4	747.8	697.0	687.8	699.3	708.6	717.8	727.0	724.7
17.5°	1001.7	953.2	821.6	710.9	671.6	673.9	694.7	713.2	731.6	740.9	743.2
20°	1054.8	983.2	791.6	667.0	646.2	667.0	694.7	717.8	738.6	750.1	752.4
22.5°	1114.8	1017.8	752.4	627.8	625.5	646.2	673.9	708.6	731.6	752.4	750.1
25°	1167.8	1040.9	701.6	595.5	600.1	613.9	646.2	683.2	706.2	729.3	722.4
27.5°	1202.5	1045.5	648.5	572.4	572.4	586.2	616.2	639.3	660.1	678.6	680.9
30°	1241.7	1036.3	588.5	542.4	542.4	560.8	572.4	586.2	597.8	602.4	607.0
32.5°	1287.9	1015.5	551.6	519.3	519.3	533.1	540.1	535.5	533.1	521.6	528.5
35°	1331.7	985.5	510.1	489.3	498.5	505.5	503.1	489.3	475.4	454.7	447.8
37.5°	1384.8	955.5	473.1	457.0	473.1	475.4	475.4	459.3	440.8	415.4	415.4
40°	1465.6	932.4	443.1	436.2	452.4	450.1	438.5	427.0	433.9	420.1	420.1
42.5°	1551.0	923.2	415.4	417.7	424.7	427.0	415.4	401.6	429.3	413.1	415.4
45°	1657.1	930.1	397.0	394.7	410.8	408.5	401.6	390.1	399.3	357.7	346.2
47.5°	1756.4	944.0	387.7	378.5	397.0	401.6	392.4	367.0	353.1	327.7	323.1
50°	1846.4	974.0	378.5	360.0	378.5	387.7	371.6	343.9	327.7	311.6	311.6
52.5°	1931.8	1017.8	373.9	339.3	355.4	367.0	357.7	330.0	311.6	304.7	297.7
55°	2019.5	1057.1	367.0	325.4	330.0	353.1	350.8	313.9	295.4	295.4	293.1
57.5°	2144.1	1110.1	357.7	302.3	311.6	337.0	337.0	307.0	286.2	288.5	290.8
60°	2271.1	1172.5	348.5	279.3	286.2	320.8	325.4	297.7	279.3	281.6	279.3
62.5°	2474.2	1287.9	330.0	251.6	265.4	300.0	311.6	286.2	270.0	274.7	274.7
65°	2781.1	1486.4	290.8	228.5	244.6	281.6	297.7	274.7	256.2	270.0	265.4
67.5°	3275.1	1758.7	244.6	210.0	230.8	263.1	281.6	260.8	244.6	265.4	258.5
70°	3718.2	1892.6	210.0	193.9	210.0	242.3	263.1	247.0	230.8	251.6	242.3
72.5°	3538.2	1484.0	182.3	175.4	191.6	219.3	244.6	228.5	212.3	223.9	214.6
75°	3053.5	1181.7	159.3	156.9	170.8	198.5	223.9	212.3	196.2	200.8	196.2
77.5°	2314.9	976.3	136.2	133.9	145.4	177.7	200.8	191.6	175.4	173.1	173.1
80°	1034.0	480.1	113.1	113.1	120.0	152.3	170.8	166.2	150.0	147.7	145.4
82.5°	339.3	182.3	92.3	87.7	96.9	126.9	152.3	147.7	131.6	126.9	122.3
85°	136.2	87.7	66.9	66.9	76.2	106.2	136.2	126.9	106.2	94.6	94.6
87.5°	46.2	36.9	34.6	34.6	48.5	71.5	101.6	85.4	76.2	66.9	69.2
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)