

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: P674863

Luminaire Tested: **CCW-SA-2B-760-U-T2**

Issue Date: 04/25/2023

Test Information

Test Method: LM-79-08
Report Number: P674863
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-2B-760-U-T2
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @450mA w/
T2 distribution lens
Light Source: (32) 5700K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7046.7 lumens
Efficiency: N/A
Efficacy: 153.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G2

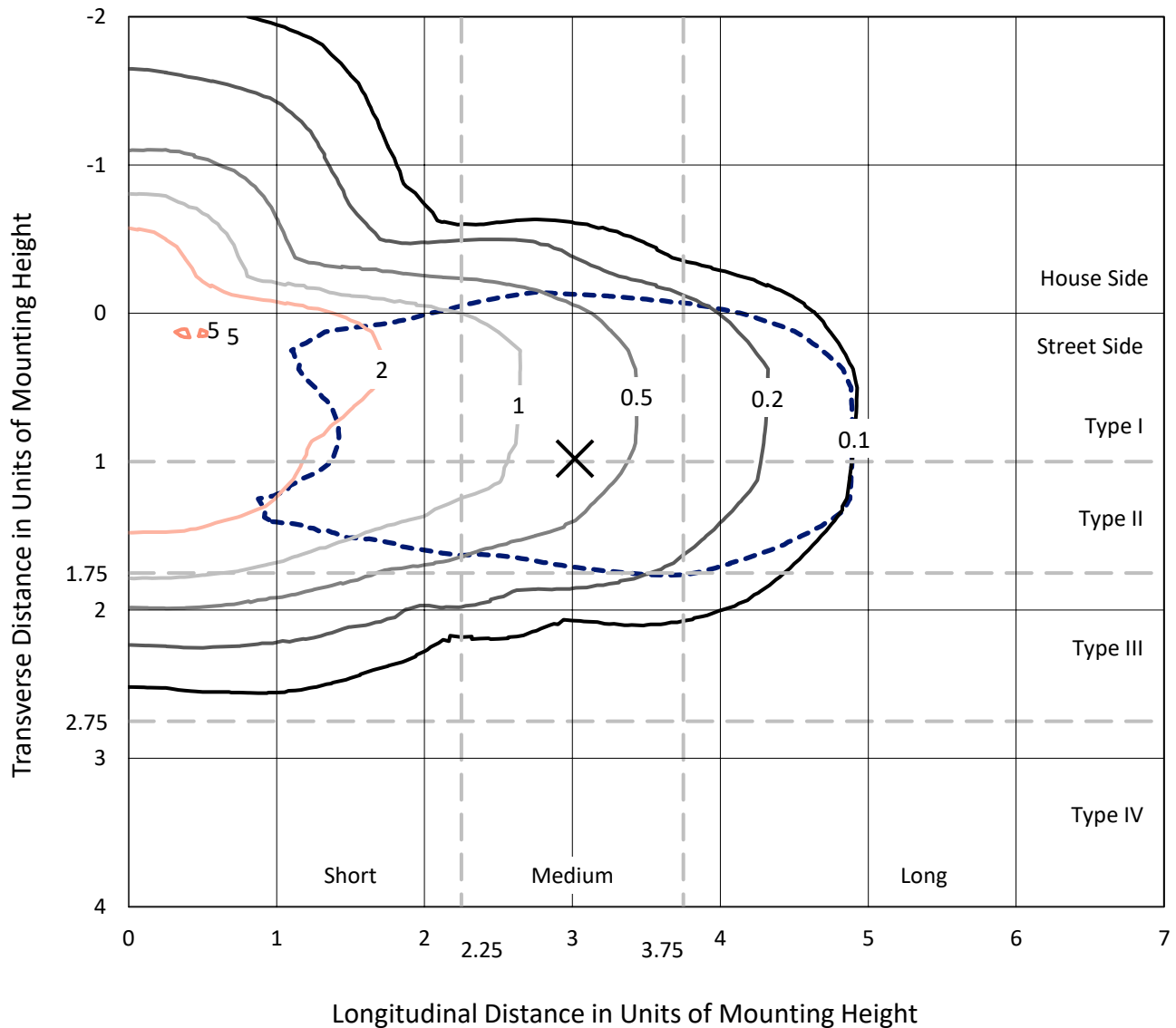
Input Watts (W): 46
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Iso-Footcandle Lines of Horizontal Illumination

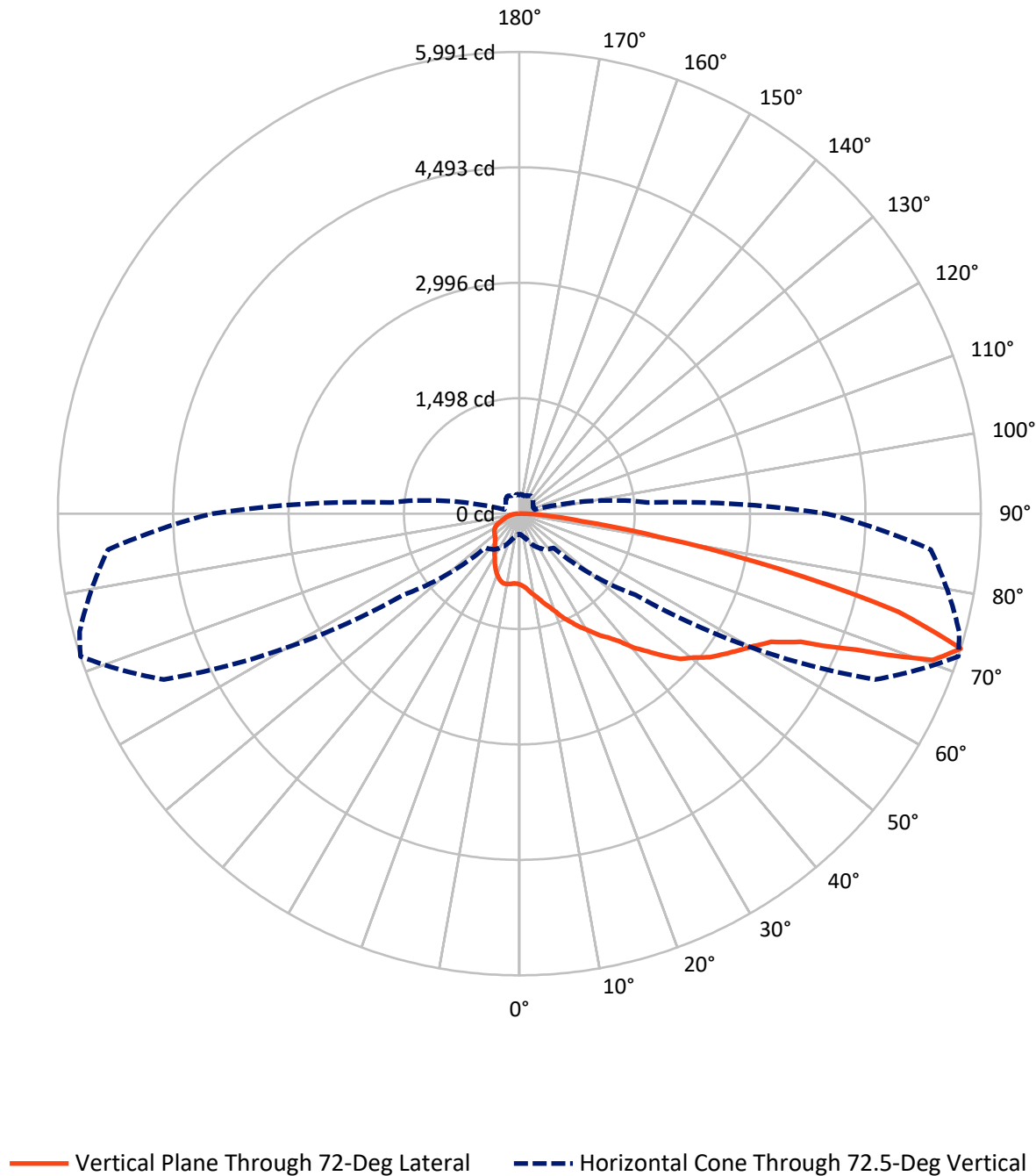
× Max cd
 --- 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 5.1 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



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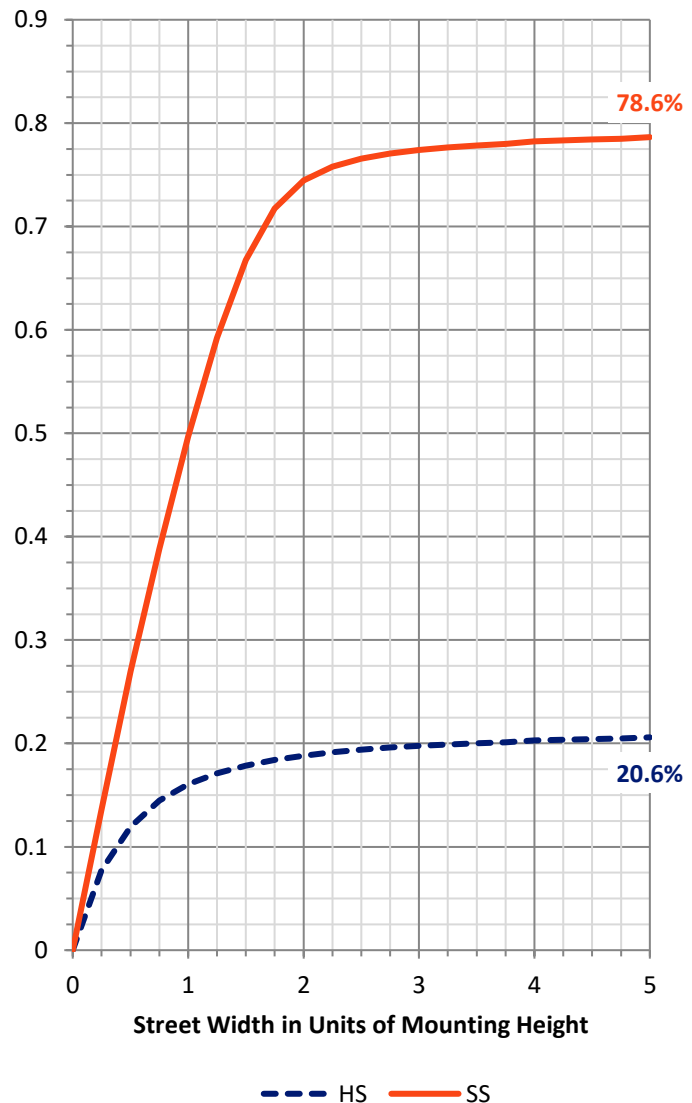
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1483.0	0.0	1483.0
	% Fixture	21.0	0.0	21.0
Street Side	Lumens	5563.7	0.0	5563.7
	% Fixture	79.0	0.0	79.0
Total	Lumens	7046.7	0.0	7046.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	91.0	1.3
10°-20°	282.8	4.0
20°-30°	489.3	6.9
30°-40°	722.8	10.3
40°-50°	1074.8	15.3
50°-60°	1473.5	20.9
60°-70°	1598.3	22.7
70°-80°	1126.8	16.0
80°-90°	187.2	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°	7046.7	100.0
0°-180°	7046.7	100.0

Coefficient of Utilization



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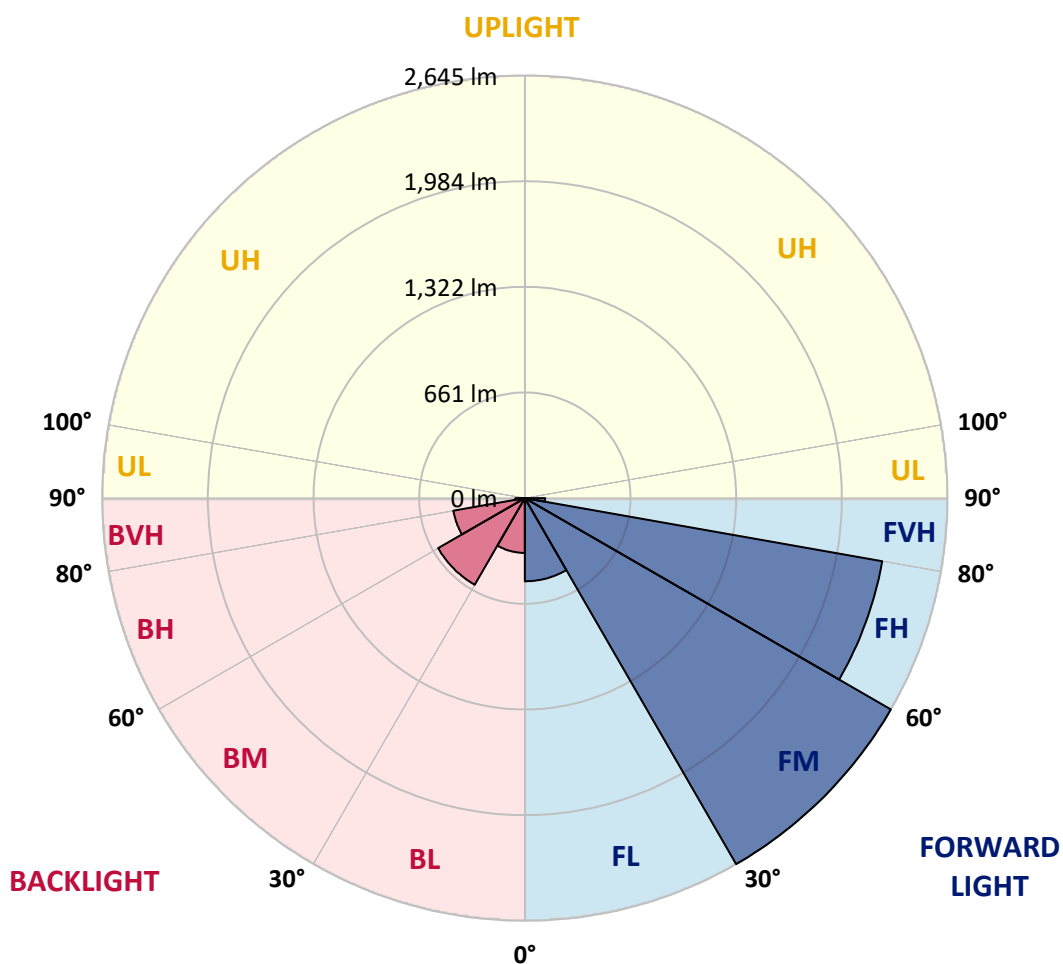
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	520.3	7.4			
FM	(30°-60°)	2644.8	37.5			
FH	(60°-80°)	2270.9	32.2			G2/5000
FVH	(80°-90°)	127.6	1.8			G2/225
BL	(0°-30°)	342.8	4.9	B1/500		
BM	(30°-60°)	626.4	8.9	B1/1000		
BH	(60°-80°)	454.3	6.4	B1/500		G1/500
BVH	(80°-90°)	59.6	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°	920.5	920.5	920.5	920.5	920.5	920.5	920.5	920.5	920.5	920.5	920.5
2.5°	993.3	993.3	985.5	982.9	982.9	962.1	964.7	951.7	941.3	941.3	930.9
5°	1045.3	1040.1	1040.1	1040.1	1027.1	1019.3	1016.7	993.3	975.1	977.7	946.5
7.5°	1058.3	1060.9	1063.5	1076.5	1068.7	1073.9	1068.7	1042.7	1029.7	1016.7	988.1
10°	1066.1	1071.3	1071.3	1089.5	1089.5	1102.5	1110.3	1099.9	1076.5	1063.5	1016.7
12.5°	1084.3	1076.5	1086.9	1099.9	1112.9	1136.3	1159.7	1149.3	1133.7	1118.1	1066.1
15°	1084.3	1086.9	1094.7	1115.5	1136.3	1159.7	1201.3	1216.9	1209.1	1180.5	1125.9
17.5°	1053.1	1045.3	1081.7	1120.7	1159.7	1188.3	1242.9	1279.3	1274.1	1263.7	1180.5
20°	1055.7	1063.5	1076.5	1110.3	1172.7	1224.7	1292.3	1352.1	1365.1	1359.9	1253.3
22.5°	1102.5	1105.1	1118.1	1133.7	1183.1	1250.7	1352.1	1448.4	1471.8	1458.8	1333.9
25°	1149.3	1170.1	1170.1	1180.5	1198.7	1268.9	1391.1	1526.4	1560.2	1562.8	1417.2
27.5°	1224.7	1229.9	1245.5	1250.7	1266.3	1307.9	1435.4	1583.6	1661.6	1651.2	1492.6
30°	1313.1	1315.7	1326.1	1320.9	1323.5	1375.5	1477.0	1648.6	1755.2	1757.8	1573.2
32.5°	1417.2	1438.0	1443.2	1409.4	1414.6	1427.6	1542.0	1726.6	1872.2	1854.0	1643.4
35°	1570.6	1578.4	1562.8	1547.2	1508.2	1500.4	1609.6	1804.6	1973.6	1994.4	1747.4
37.5°	1760.4	1781.2	1760.4	1677.2	1635.6	1604.4	1692.8	1890.4	2095.8	2166.0	1851.4
40°	1937.2	1934.6	1913.8	1838.4	1765.6	1742.2	1812.4	2010.0	2285.6	2353.3	2002.2
42.5°	2080.2	2072.4	2059.4	2002.2	1934.6	1895.6	1950.2	2134.8	2444.3	2574.3	2176.4
45°	2205.0	2194.6	2197.2	2132.2	2067.2	2088.0	2088.0	2277.8	2631.5	2792.7	2376.7
47.5°	2322.0	2327.3	2319.4	2270.0	2220.6	2275.2	2246.6	2441.7	2816.1	2995.5	2545.7
50°	2457.3	2467.7	2441.7	2410.5	2366.3	2420.9	2384.5	2595.1	2935.7	3180.1	2748.5
52.5°	2584.7	2595.1	2618.5	2579.5	2535.3	2579.5	2496.3	2738.1	3094.3	3359.6	2904.5
55°	2615.9	2610.7	2740.7	2782.3	2805.7	2673.1	2595.1	2860.3	3219.1	3474.0	3081.3
57.5°	2472.9	2485.9	2662.7	2782.3	3031.9	2917.5	2706.9	3003.3	3349.2	3624.8	3245.1
60°	2116.6	2124.4	2345.5	2628.9	2992.9	3146.3	3008.5	3187.9	3492.2	3752.2	3429.8
62.5°	1414.6	1474.4	1750.0	2194.6	2717.3	3208.7	3489.6	3500.0	3666.4	3913.4	3682.0
65°	746.3	774.9	990.7	1349.5	2059.4	2992.9	3942.0	4118.8	4014.8	4209.9	4046.0
67.5°	488.9	499.3	616.3	819.1	1188.3	2184.2	3994.0	5192.8	4714.3	4774.1	4628.5
70°	364.0	369.2	455.0	605.9	735.9	1167.5	3273.8	5694.6	5692.0	5533.4	5320.2
72.5°	267.8	275.6	335.4	462.8	566.9	629.3	1841.0	5093.9	5991.0	5910.4	5361.8
75°	210.6	215.8	247.0	358.8	457.6	413.4	933.5	3773.0	5080.9	5468.4	4906.7
77.5°	171.6	176.8	195.0	260.0	366.6	319.8	447.2	2433.9	3445.4	3936.8	3754.8
80°	143.0	143.0	156.0	184.6	283.4	241.8	265.2	1367.7	1856.6	2049.0	1703.2
82.5°	122.2	119.6	130.0	135.2	210.6	174.2	171.6	618.9	816.5	865.9	639.7
85°	78.0	80.6	122.2	117.0	137.8	119.6	96.2	293.8	384.8	392.6	239.2
87.5°	31.2	31.2	52.0	65.0	78.0	72.8	46.8	132.6	169.0	169.0	67.6
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°	920.5	920.5	920.5	920.5	920.5	920.5	920.5	920.5	920.5	920.5	920.5
2.5°	928.3	917.9	910.1	904.9	891.9	878.9	881.5	878.9	868.5	863.3	863.3
5°	938.7	928.3	915.3	894.5	881.5	865.9	871.1	860.7	850.3	858.1	845.1
7.5°	964.7	946.5	928.3	897.1	876.3	852.9	842.5	837.3	829.5	824.3	824.3
10°	1001.1	975.1	941.3	894.5	860.7	824.3	819.1	808.7	800.9	800.9	798.3
12.5°	1037.5	1008.9	951.7	876.3	819.1	793.1	790.5	793.1	798.3	800.9	803.5
15°	1084.3	1037.5	949.1	842.5	785.3	774.9	787.9	798.3	808.7	819.1	816.5
17.5°	1128.5	1073.9	925.7	800.9	756.7	759.3	782.7	803.5	824.3	834.7	837.3
20°	1188.3	1107.7	891.9	751.5	728.1	751.5	782.7	808.7	832.1	845.1	847.7
22.5°	1255.9	1146.7	847.7	707.3	704.7	728.1	759.3	798.3	824.3	847.7	845.1
25°	1315.7	1172.7	790.5	670.9	676.1	691.7	728.1	769.7	795.7	821.7	813.9
27.5°	1354.7	1177.9	730.7	644.9	644.9	660.5	694.3	720.3	743.7	764.5	767.1
30°	1399.0	1167.5	663.1	611.1	611.1	631.9	644.9	660.5	673.5	678.7	683.9
32.5°	1451.0	1144.1	621.5	585.1	585.1	600.7	608.5	603.3	600.7	587.7	595.5
35°	1500.4	1110.3	574.7	551.3	561.7	569.5	566.9	551.3	535.7	512.3	504.5
37.5°	1560.2	1076.5	533.1	514.9	533.1	535.7	535.7	517.5	496.7	468.1	468.1
40°	1651.2	1050.5	499.3	491.5	509.7	507.1	494.1	481.1	488.9	473.3	473.3
42.5°	1747.4	1040.1	468.1	470.7	478.5	481.1	468.1	452.4	483.7	465.5	468.1
45°	1867.0	1047.9	447.2	444.6	462.8	460.2	452.4	439.4	449.8	403.0	390.0
47.5°	1978.8	1063.5	436.8	426.4	447.2	452.4	442.0	413.4	397.8	369.2	364.0
50°	2080.2	1097.3	426.4	405.6	426.4	436.8	418.6	387.4	369.2	351.0	351.0
52.5°	2176.4	1146.7	421.2	382.2	400.4	413.4	403.0	371.8	351.0	343.2	335.4
55°	2275.2	1190.9	413.4	366.6	371.8	397.8	395.2	353.6	332.8	332.8	330.2
57.5°	2415.7	1250.7	403.0	340.6	351.0	379.6	379.6	345.8	322.4	325.0	327.6
60°	2558.7	1320.9	392.6	314.6	322.4	361.4	366.6	335.4	314.6	317.2	314.6
62.5°	2787.5	1451.0	371.8	283.4	299.0	338.0	351.0	322.4	304.2	309.4	309.4
65°	3133.3	1674.6	327.6	257.4	275.6	317.2	335.4	309.4	288.6	304.2	299.0
67.5°	3689.8	1981.4	275.6	236.6	260.0	296.4	317.2	293.8	275.6	299.0	291.2
70°	4189.1	2132.2	236.6	218.4	236.6	273.0	296.4	278.2	260.0	283.4	273.0
72.5°	3986.2	1672.0	205.4	197.6	215.8	247.0	275.6	257.4	239.2	252.2	241.8
75°	3440.2	1331.3	179.4	176.8	192.4	223.6	252.2	239.2	221.0	226.2	221.0
77.5°	2608.1	1099.9	153.4	150.8	163.8	200.2	226.2	215.8	197.6	195.0	195.0
80°	1164.9	540.9	127.4	127.4	135.2	171.6	192.4	187.2	169.0	166.4	163.8
82.5°	382.2	205.4	104.0	98.8	109.2	143.0	171.6	166.4	148.2	143.0	137.8
85°	153.4	98.8	75.4	75.4	85.8	119.6	153.4	143.0	119.6	106.6	106.6
87.5°	52.0	41.6	39.0	39.0	54.6	80.6	114.4	96.2	85.8	75.4	78.0
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)