

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: P675727

Luminaire Tested: **CCW-SA-2B-760-U-SL4**

Issue Date: 04/25/2023

Test Information

Test Method: LM-79-08
Report Number: P675727
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-SL4
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @450mA w/
SL4 distribution lens
Light Source: (32) 5700K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

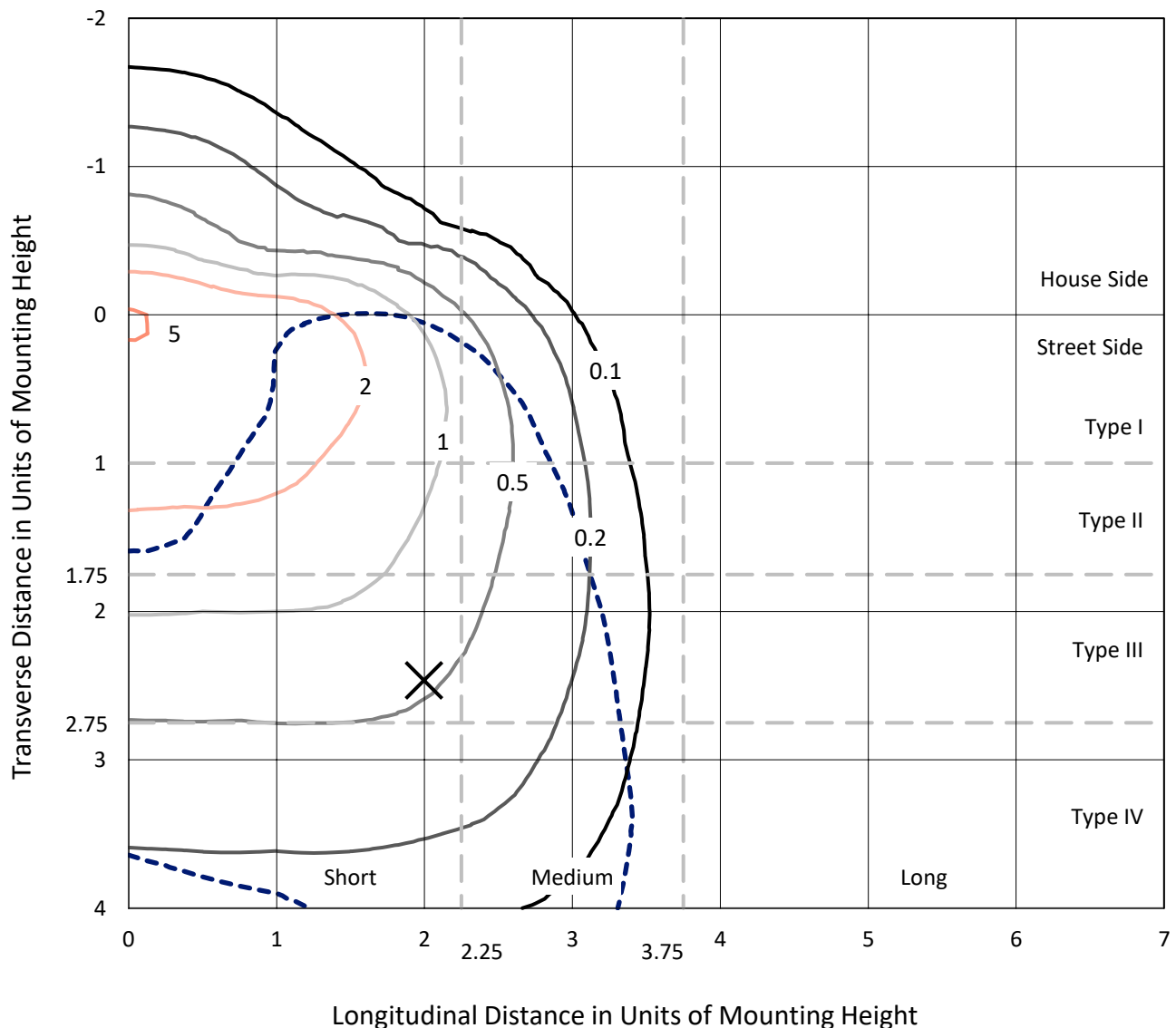
Lumens per Lamp: N/A
Luminaire Lumens: 6922.4 lumens
Efficiency: N/A
Efficacy: 150.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

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

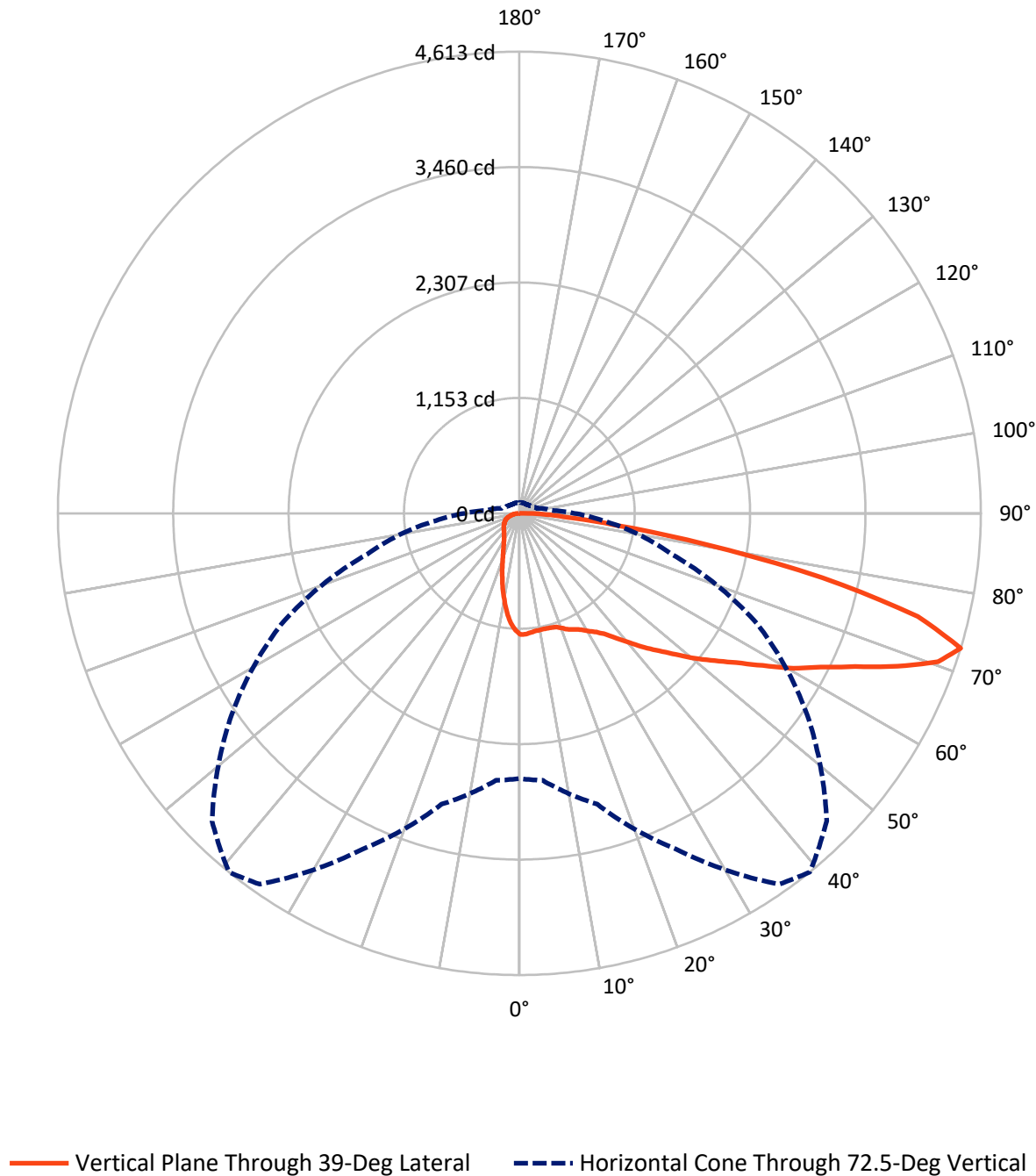
✕ Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 5.4 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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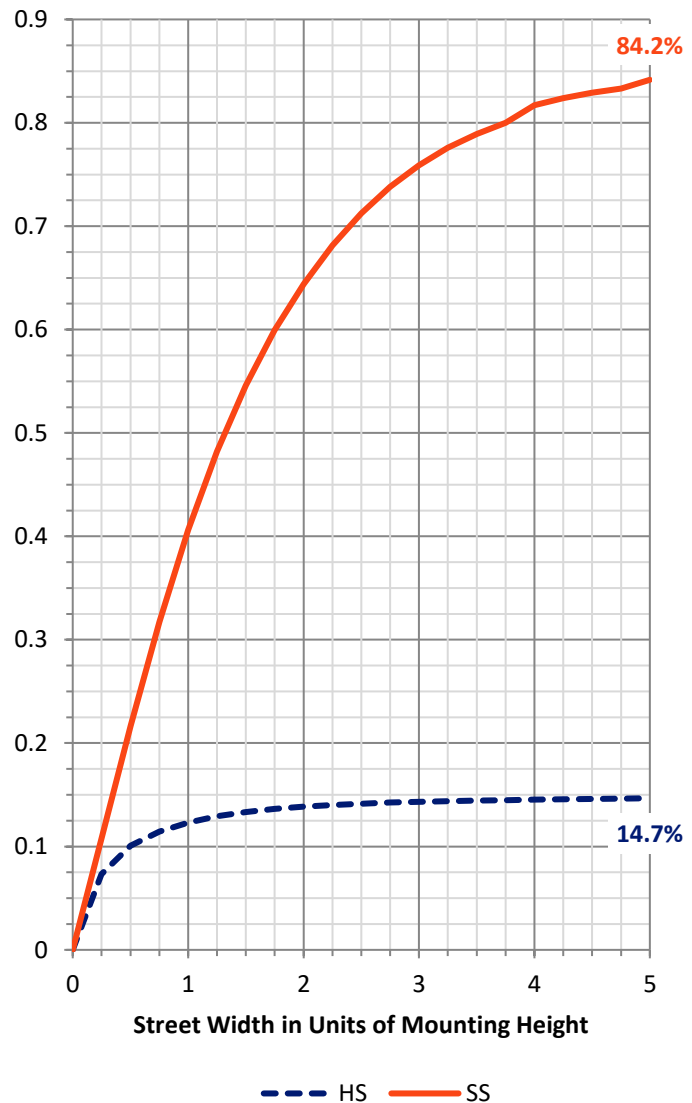
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1028.8	0.0	1028.8
	% Fixture	14.9	0.0	14.9
Street Side	Lumens	5893.7	0.0	5893.7
	% Fixture	85.1	0.0	85.1
Total	Lumens	6922.4	0.0	6922.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	107.1	1.5
10°-20°	273.3	3.9
20°-30°	416.3	6.0
30°-40°	609.0	8.8
40°-50°	932.4	13.5
50°-60°	1367.5	19.8
60°-70°	1744.1	25.2
70°-80°	1260.1	18.2
80°-90°	212.6	3.1
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°	6922.4	100.0
0°-180°	6922.4	100.0

Coefficient of Utilization



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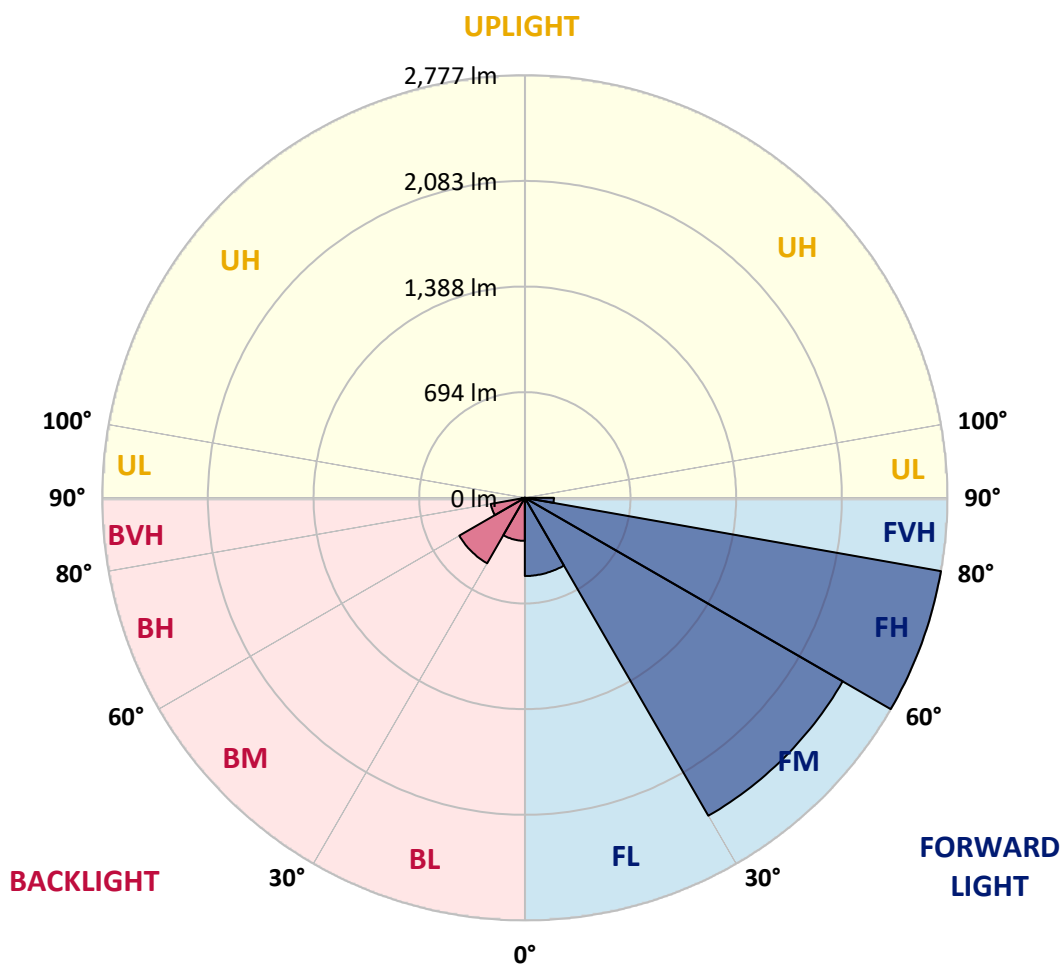
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	513.7	7.4			
FM	(30°-60°)	2412.0	34.8			
FH	(60°-80°)	2776.9	40.1			G2/5000
FVH	(80°-90°)	191.0	2.8			G2/225
BL	(0°-30°)	282.9	4.1	B1/500		
BM	(30°-60°)	497.0	7.2	B1/1000		
BH	(60°-80°)	227.3	3.3	B1/500		G1/500
BVH	(80°-90°)	21.5	0.3			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 IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	39°	45°	55°	65°	75°	85°
0°	1211.7	1211.7	1211.7	1211.7	1211.7	1211.7	1211.7	1211.7	1211.7	1211.7	1211.7
2.5°	1229.9	1232.5	1227.3	1222.1	1219.5	1209.1	1219.5	1214.3	1209.1	1209.1	1209.1
5°	1214.3	1216.9	1216.9	1211.7	1214.3	1196.1	1193.5	1196.1	1188.3	1183.1	1180.5
7.5°	1190.9	1196.1	1206.5	1203.9	1193.5	1185.7	1188.3	1185.7	1172.7	1164.9	1144.1
10°	1172.7	1177.9	1183.1	1188.3	1185.7	1183.1	1180.5	1170.1	1167.5	1149.3	1128.5
12.5°	1154.5	1154.5	1157.1	1177.9	1180.5	1180.5	1164.9	1164.9	1157.1	1154.5	1123.3
15°	1136.3	1144.1	1164.9	1170.1	1180.5	1185.7	1177.9	1177.9	1164.9	1146.7	1123.3
17.5°	1141.5	1154.5	1175.3	1188.3	1193.5	1193.5	1203.9	1196.1	1177.9	1167.5	1144.1
20°	1167.5	1170.1	1196.1	1219.5	1224.7	1224.7	1214.3	1206.5	1193.5	1175.3	1144.1
22.5°	1183.1	1201.3	1232.5	1245.5	1261.2	1261.2	1248.1	1229.9	1211.7	1193.5	1159.7
25°	1250.8	1253.4	1266.4	1287.2	1295.0	1284.6	1271.6	1250.8	1227.3	1209.1	1177.9
27.5°	1297.6	1310.6	1326.2	1336.6	1323.6	1315.8	1305.4	1282.0	1263.8	1248.1	1203.9
30°	1383.4	1367.8	1378.2	1383.4	1360.0	1365.2	1336.6	1315.8	1295.0	1295.0	1245.5
32.5°	1435.4	1448.4	1438.0	1435.4	1417.2	1414.6	1396.4	1373.0	1360.0	1375.6	1308.0
35°	1526.4	1518.6	1518.6	1516.0	1495.2	1482.2	1482.2	1440.6	1453.6	1487.4	1404.2
37.5°	1573.2	1570.6	1586.2	1599.2	1578.4	1586.2	1578.4	1560.2	1565.4	1625.2	1523.8
40°	1620.0	1638.2	1669.4	1674.6	1687.6	1698.0	1692.8	1690.2	1711.0	1807.2	1685.0
42.5°	1664.2	1679.8	1726.6	1768.2	1799.4	1833.2	1835.8	1835.8	1903.4	2041.2	1880.0
45°	1721.4	1734.4	1799.4	1882.6	1934.6	1958.0	1978.8	2002.2	2093.3	2257.1	2088.1
47.5°	1799.4	1809.8	1887.8	1991.8	2093.3	2106.3	2147.9	2173.9	2311.7	2478.1	2301.3
50°	1911.2	1903.4	1965.8	2116.7	2215.5	2277.9	2337.7	2384.5	2519.7	2701.7	2467.7
52.5°	2002.2	2002.2	2049.0	2249.3	2384.5	2444.3	2506.7	2571.7	2727.7	2925.4	2602.9
55°	2158.3	2142.7	2171.3	2379.3	2574.3	2631.5	2751.1	2805.7	2956.6	3091.8	2717.3
57.5°	2264.9	2272.7	2306.5	2550.9	2797.9	2868.1	2987.8	3026.8	3159.4	3266.0	2800.5
60°	2405.3	2379.3	2452.1	2740.7	3045.0	3143.8	3242.6	3266.0	3364.8	3377.8	2839.5
62.5°	2540.5	2535.3	2597.7	2930.6	3310.2	3380.4	3481.8	3507.8	3549.4	3466.2	2784.9
65°	2623.7	2657.5	2774.5	3138.6	3611.8	3689.8	3791.3	3739.2	3692.4	3388.2	2517.1
67.5°	2738.1	2753.7	2933.2	3364.8	3960.3	4077.3	4165.7	3960.3	3611.8	3068.4	2119.3
70°	2764.1	2805.7	3039.8	3601.4	4319.1	4438.7	4443.9	3884.9	3318.0	2496.3	1536.8
72.5°	2649.7	2678.3	3008.6	3700.2	4524.5	4613.0	4345.1	3513.0	2628.9	1573.2	837.3
75°	2228.5	2309.1	2618.5	3396.0	4147.5	4113.7	3682.0	2680.9	1578.4	696.9	353.6
77.5°	1552.4	1555.0	1877.4	2470.3	3104.8	3097.0	2626.3	1555.0	676.1	280.8	208.0
80°	689.1	738.5	933.5	1331.4	1885.2	1885.2	1531.6	772.3	338.0	182.0	143.0
82.5°	405.6	421.3	499.3	621.5	917.9	967.3	733.3	514.9	231.4	114.4	88.4
85°	299.0	325.0	371.8	374.4	434.3	442.1	405.6	447.3	158.6	62.4	72.8
87.5°	223.6	239.2	296.4	247.0	231.4	218.4	249.6	457.7	59.8	31.2	23.4
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°	1211.7	1211.7	1211.7	1211.7	1211.7	1211.7	1211.7	1211.7	1211.7	1211.7	1211.7
2.5°	1198.7	1198.7	1193.5	1183.1	1183.1	1162.3	1167.5	1172.7	1159.7	1159.7	1162.3
5°	1180.5	1170.1	1157.1	1141.5	1131.1	1102.5	1097.3	1079.1	1076.5	1071.3	1063.5
7.5°	1144.1	1128.5	1105.1	1081.7	1047.9	1021.9	990.7	964.7	954.3	946.5	943.9
10°	1110.3	1107.7	1068.7	1021.9	969.9	920.5	873.7	839.9	819.1	806.1	803.5
12.5°	1110.3	1089.5	1034.9	969.9	894.5	821.7	761.9	715.1	686.5	665.7	657.9
15°	1105.1	1084.3	1011.5	912.7	826.9	728.1	644.9	595.5	553.9	533.1	535.7
17.5°	1110.3	1079.1	977.7	871.1	751.5	644.9	546.1	486.3	444.7	429.1	426.5
20°	1112.9	1073.9	951.7	813.9	673.5	553.9	460.3	403.0	371.8	361.4	361.4
22.5°	1107.7	1058.3	912.7	746.3	605.9	478.5	400.4	351.0	330.2	317.2	322.4
25°	1131.1	1055.7	876.3	689.1	527.9	416.0	356.2	319.8	306.8	299.0	301.6
27.5°	1136.3	1055.7	847.7	624.1	460.3	369.2	322.4	299.0	288.6	283.4	280.8
30°	1157.1	1060.9	813.9	559.1	405.6	332.8	296.4	283.4	275.6	273.0	273.0
32.5°	1214.3	1076.5	777.5	504.5	358.8	301.6	278.2	267.8	262.6	260.0	262.6
35°	1282.0	1118.1	738.5	447.3	325.0	280.8	262.6	254.8	252.2	252.2	252.2
37.5°	1386.0	1180.5	704.7	400.4	296.4	260.0	247.0	244.4	241.8	244.4	244.4
40°	1505.6	1248.1	673.5	364.0	275.6	247.0	234.0	234.0	231.4	234.0	236.6
42.5°	1643.4	1331.4	642.3	327.6	257.4	236.6	226.2	223.6	221.0	226.2	228.8
45°	1833.2	1445.8	621.5	306.8	244.4	226.2	215.8	215.8	213.2	213.2	218.4
47.5°	1991.8	1555.0	621.5	286.0	236.6	218.4	208.0	208.0	202.8	205.4	205.4
50°	2124.5	1648.6	634.5	280.8	226.2	210.6	202.8	197.6	195.0	195.0	195.0
52.5°	2212.9	1705.8	644.9	275.6	221.0	200.2	195.0	192.4	187.2	184.6	187.2
55°	2301.3	1744.8	647.5	275.6	213.2	189.8	184.6	184.6	179.4	176.8	176.8
57.5°	2335.1	1729.2	611.1	270.4	208.0	182.0	176.8	174.2	171.6	169.0	169.0
60°	2319.5	1672.0	530.5	257.4	202.8	176.8	166.4	166.4	166.4	161.2	163.8
62.5°	2212.9	1477.0	426.5	236.6	195.0	166.4	156.0	161.2	161.2	158.6	158.6
65°	1932.0	1219.5	345.8	218.4	184.6	158.6	148.2	156.0	158.6	156.0	153.4
67.5°	1544.6	938.7	286.0	197.6	171.6	145.6	137.8	145.6	148.2	145.6	145.6
70°	1060.9	605.9	231.4	176.8	153.4	132.6	124.8	130.0	130.0	132.6	132.6
72.5°	548.7	327.6	189.8	150.8	132.6	119.6	111.8	111.8	109.2	109.2	109.2
75°	273.0	223.6	158.6	127.4	111.8	101.4	96.2	91.0	91.0	91.0	91.0
77.5°	189.8	171.6	130.0	101.4	91.0	83.2	83.2	75.4	75.4	75.4	75.4
80°	143.0	135.2	98.8	78.0	70.2	65.0	65.0	62.4	62.4	59.8	59.8
82.5°	101.4	109.2	75.4	57.2	52.0	49.4	49.4	46.8	46.8	41.6	41.6
85°	80.6	91.0	57.2	41.6	39.0	33.8	33.8	31.2	31.2	28.6	26.0
87.5°	23.4	49.4	23.4	15.6	15.6	15.6	15.6	13.0	13.0	10.4	10.4
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)