

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: P675659

Luminaire Tested: **CCW-SA-1F-722-U-SL4**

Issue Date: 04/25/2023

Test Information

Test Method: LM-79-08
Report Number: P675659
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-1F-722-U-SL4
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @1200mA w/
SL4 distribution lens
Light Source: (16) 2200K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

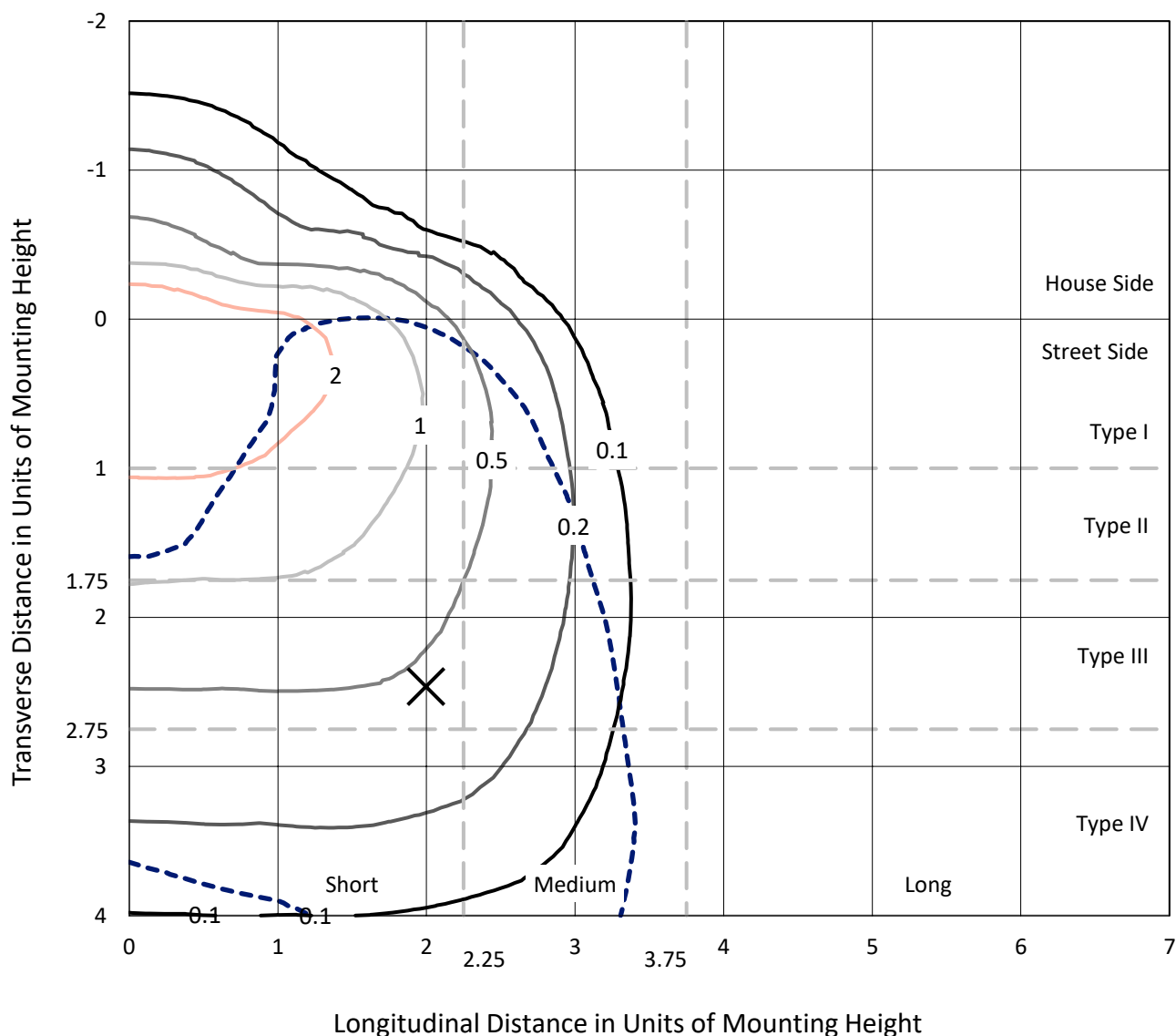
Lumens per Lamp: N/A
Luminaire Lumens: 5411.9 lumens
Efficiency: N/A
Efficacy: 80.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

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

REPORT NUMBER: P675659
 CATALOG NUMBER: CCW-SA-1F-722-U-SL4

Iso-Footcandle Lines of Horizontal Illumination

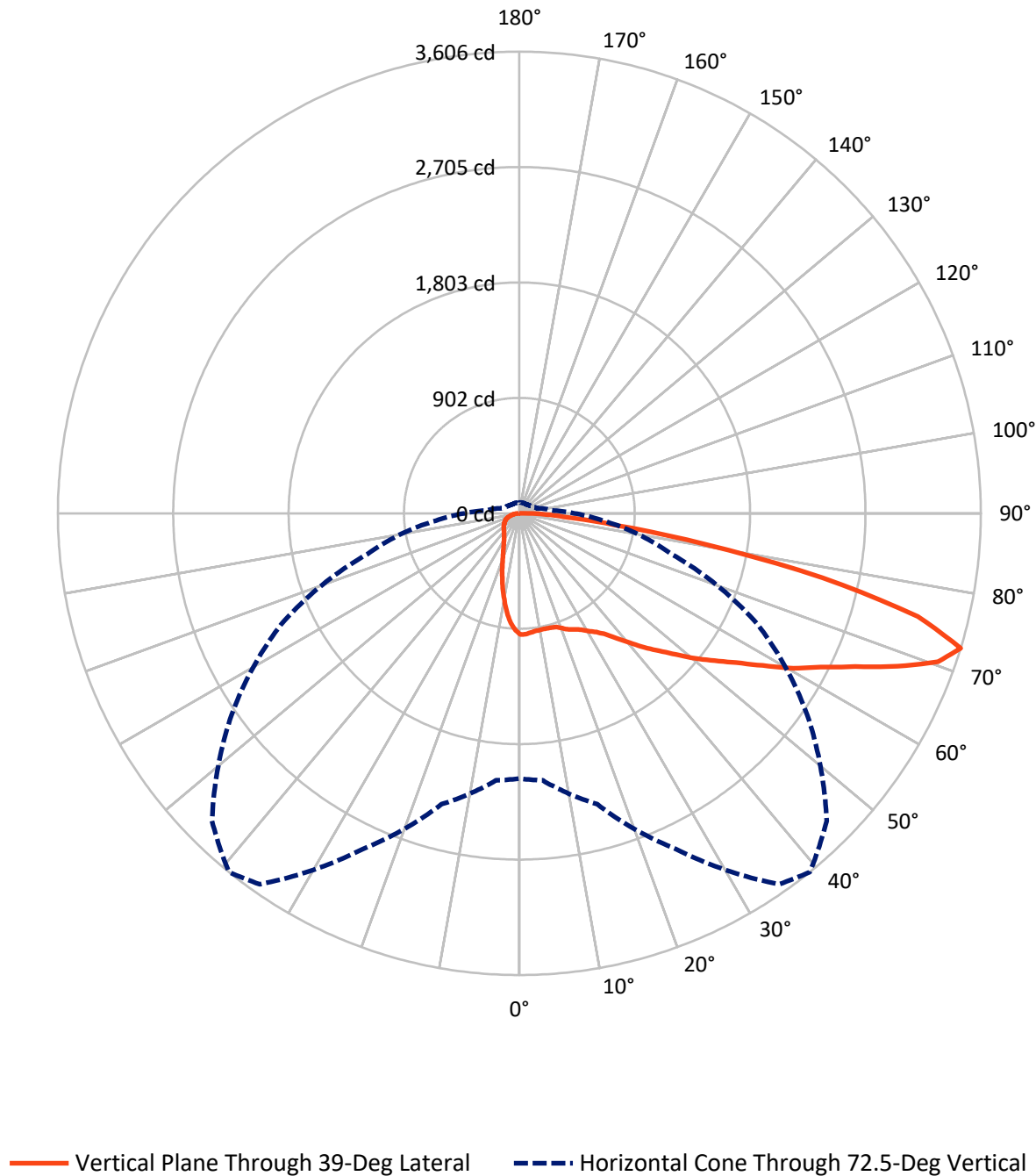
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 4.2 fc
 Type IV - Short - N/A

REPORT NUMBER: P675659
CATALOG NUMBER: CCW-SA-1F-722-U-SL4

Luminous Intensity Polar Plot



REPORT NUMBER: P675659

CATALOG NUMBER: CCW-SA-1F-722-U-SL4

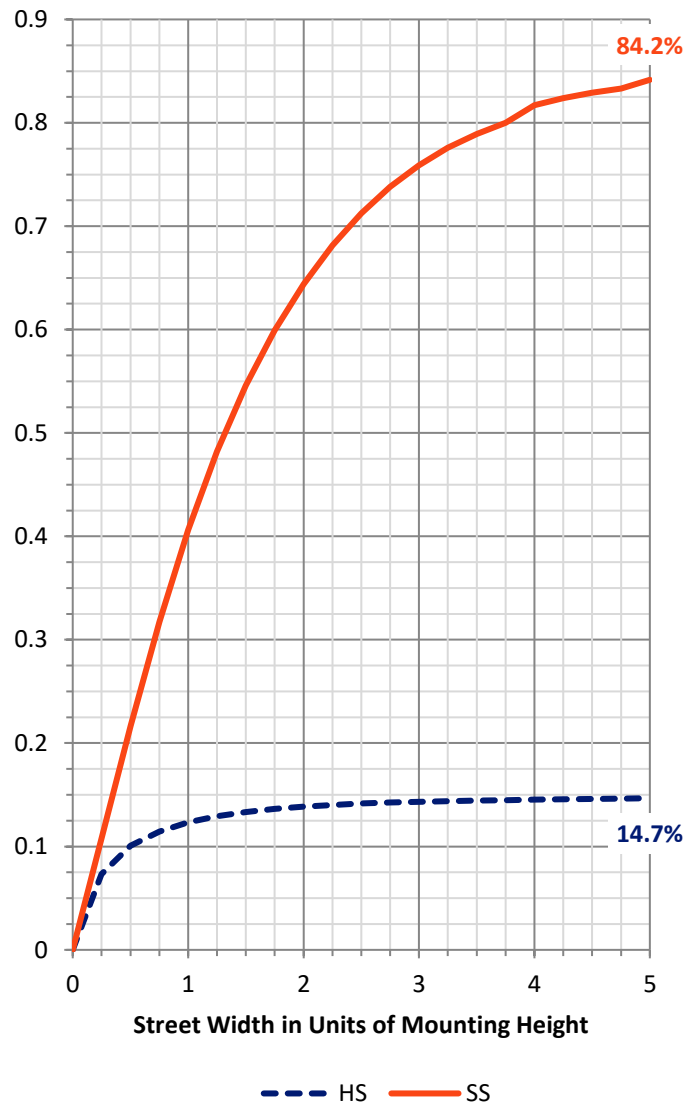
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	804.3	0.0	804.3
	% Fixture	14.9	0.0	14.9
Street Side	Lumens	4607.6	0.0	4607.6
	% Fixture	85.1	0.0	85.1
Total	Lumens	5411.9	0.0	5411.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	83.7	1.5
10°-20°	213.6	3.9
20°-30°	325.5	6.0
30°-40°	476.1	8.8
40°-50°	729.0	13.5
50°-60°	1069.1	19.8
60°-70°	1363.5	25.2
70°-80°	985.2	18.2
80°-90°	166.2	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°	5411.9	100.0
0°-180°	5411.9	100.0

Coefficient of Utilization



REPORT NUMBER: P675659

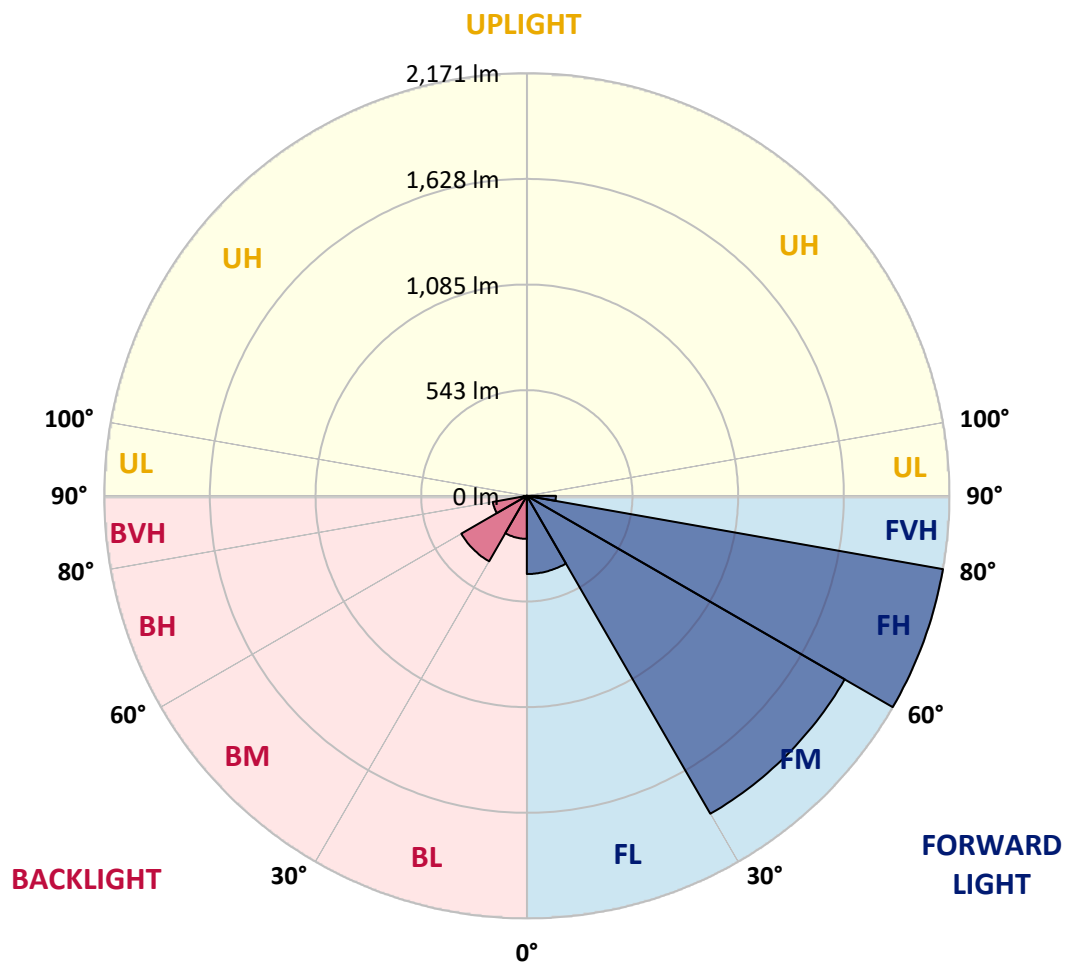
CATALOG NUMBER: CCW-SA-1F-722-U-SL4

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	401.6	7.4			
FM	(30°-60°)	1885.6	34.8			
FH	(60°-80°)	2170.9	40.1			G2/5000
FVH	(80°-90°)	149.3	2.8			G2/225
BL	(0°-30°)	221.2	4.1	B1/500		
BM	(30°-60°)	388.6	7.2	B1/1000		
BH	(60°-80°)	177.7	3.3	B1/500		G1/500
BVH	(80°-90°)	16.8	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





REPORT NUMBER: P675659

CATALOG NUMBER: CCW-SA-1F-722-U-SL4

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	39°	45°	55°	65°	75°	85°
0°	947.3	947.3	947.3	947.3	947.3	947.3	947.3	947.3	947.3	947.3	947.3
2.5°	961.6	963.6	959.5	955.5	953.4	945.3	953.4	949.4	945.3	945.3	945.3
5°	949.4	951.4	951.4	947.3	949.4	935.1	933.1	935.1	929.0	925.0	922.9
7.5°	931.1	935.1	943.3	941.2	933.1	927.0	929.0	927.0	916.8	910.7	894.5
10°	916.8	920.9	925.0	929.0	927.0	925.0	922.9	914.8	912.8	898.5	882.3
12.5°	902.6	902.6	904.6	920.9	922.9	922.9	910.7	910.7	904.6	902.6	878.2
15°	888.4	894.5	910.7	914.8	922.9	927.0	920.9	920.9	910.7	896.5	878.2
17.5°	892.4	902.6	918.9	929.0	933.1	933.1	941.2	935.1	920.9	912.8	894.5
20°	912.8	914.8	935.1	953.4	957.5	957.5	949.4	943.3	933.1	918.9	894.5
22.5°	925.0	939.2	963.6	973.7	985.9	985.9	975.8	961.6	947.3	933.1	906.7
25°	977.8	979.8	990.0	1006.3	1012.4	1004.2	994.1	977.8	959.5	945.3	920.9
27.5°	1014.4	1024.6	1036.8	1044.9	1034.7	1028.6	1020.5	1002.2	988.0	975.8	941.2
30°	1081.5	1069.3	1077.4	1081.5	1063.2	1067.3	1044.9	1028.6	1012.4	1012.4	973.7
32.5°	1122.1	1132.3	1124.2	1122.1	1107.9	1105.9	1091.7	1073.4	1063.2	1075.4	1022.5
35°	1193.3	1187.2	1187.2	1185.2	1168.9	1158.7	1158.7	1126.2	1136.4	1162.8	1097.8
37.5°	1229.9	1227.9	1240.1	1250.2	1234.0	1240.1	1234.0	1219.7	1223.8	1270.5	1191.3
40°	1266.5	1280.7	1305.1	1309.2	1319.3	1327.5	1323.4	1321.4	1337.6	1412.9	1317.3
42.5°	1301.0	1313.2	1349.8	1382.4	1406.8	1433.2	1435.2	1435.2	1488.1	1595.8	1469.8
45°	1345.8	1355.9	1406.8	1471.8	1512.5	1530.8	1547.0	1565.3	1636.5	1764.5	1632.4
47.5°	1406.8	1414.9	1475.9	1557.2	1636.5	1646.6	1679.2	1699.5	1807.2	1937.3	1799.1
50°	1494.2	1488.1	1536.9	1654.8	1732.0	1780.8	1827.6	1864.1	1969.9	2112.2	1929.2
52.5°	1565.3	1565.3	1601.9	1758.4	1864.1	1910.9	1959.7	2010.5	2132.5	2287.0	2034.9
55°	1687.3	1675.1	1697.5	1860.1	2012.5	2057.3	2150.8	2193.5	2311.4	2417.1	2124.4
57.5°	1770.6	1776.7	1803.2	1994.3	2187.4	2242.3	2335.8	2366.3	2469.9	2553.3	2189.4
60°	1880.4	1860.1	1917.0	2142.7	2380.5	2457.7	2535.0	2553.3	2630.5	2640.7	2219.9
62.5°	1986.1	1982.1	2030.8	2291.1	2587.9	2642.7	2722.0	2742.4	2774.9	2709.8	2177.2
65°	2051.2	2077.6	2169.1	2453.7	2823.7	2884.7	2963.9	2923.3	2886.7	2648.8	1967.8
67.5°	2140.6	2152.8	2293.1	2630.5	3096.1	3187.6	3256.7	3096.1	2823.7	2398.8	1656.8
70°	2160.9	2193.5	2376.4	2815.5	3376.6	3470.1	3474.2	3037.1	2594.0	1951.6	1201.4
72.5°	2071.5	2093.9	2352.0	2892.8	3537.2	3606.3	3396.9	2746.4	2055.2	1229.9	654.6
75°	1742.2	1805.2	2047.1	2654.9	3242.4	3216.0	2878.6	2095.9	1234.0	544.8	276.5
77.5°	1213.6	1215.7	1467.7	1931.2	2427.3	2421.2	2053.2	1215.7	528.5	219.6	162.6
80°	538.7	577.3	729.8	1040.8	1473.8	1473.8	1197.4	603.8	264.3	142.3	111.8
82.5°	317.1	329.3	390.3	485.9	717.6	756.2	573.3	402.5	180.9	89.4	69.1
85°	233.8	254.1	290.7	292.7	339.5	345.6	317.1	349.7	124.0	48.8	56.9
87.5°	174.8	187.0	231.7	193.1	180.9	170.8	195.2	357.8	46.8	24.4	18.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P675659

CATALOG NUMBER: CCW-SA-1F-722-U-SL4

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	947.3	947.3	947.3	947.3	947.3	947.3	947.3	947.3	947.3	947.3	947.3
2.5°	937.2	937.2	933.1	925.0	925.0	908.7	912.8	916.8	906.7	906.7	908.7
5°	922.9	914.8	904.6	892.4	884.3	861.9	857.9	843.6	841.6	837.5	831.4
7.5°	894.5	882.3	864.0	845.7	819.2	798.9	774.5	754.2	746.1	740.0	737.9
10°	868.0	866.0	835.5	798.9	758.3	719.6	683.0	656.6	640.4	630.2	628.2
12.5°	868.0	851.8	809.1	758.3	699.3	642.4	595.6	559.0	536.7	520.4	514.3
15°	864.0	847.7	790.8	713.5	646.5	569.2	504.2	465.5	433.0	416.7	418.8
17.5°	868.0	843.6	764.4	681.0	587.5	504.2	426.9	380.1	347.6	335.4	333.4
20°	870.1	839.6	744.0	636.3	526.5	433.0	359.8	315.1	290.7	282.6	282.6
22.5°	866.0	827.4	713.5	583.4	473.7	374.0	313.1	274.4	258.2	248.0	252.1
25°	884.3	825.3	685.1	538.7	412.7	325.3	278.5	250.0	239.9	233.8	235.8
27.5°	888.4	825.3	662.7	487.9	359.8	288.7	252.1	233.8	225.6	221.6	219.6
30°	904.6	829.4	636.3	437.1	317.1	260.2	231.7	221.6	215.5	213.5	213.5
32.5°	949.4	841.6	607.8	394.4	280.5	235.8	217.5	209.4	205.3	203.3	205.3
35°	1002.2	874.1	577.3	349.7	254.1	219.6	205.3	199.2	197.2	197.2	197.2
37.5°	1083.5	922.9	550.9	313.1	231.7	203.3	193.1	191.1	189.1	191.1	191.1
40°	1177.0	975.8	526.5	284.6	215.5	193.1	183.0	183.0	180.9	183.0	185.0
42.5°	1284.8	1040.8	502.1	256.1	201.3	185.0	176.9	174.8	172.8	176.9	178.9
45°	1433.2	1130.3	485.9	239.9	191.1	176.9	168.7	168.7	166.7	166.7	170.8
47.5°	1557.2	1215.7	485.9	223.6	185.0	170.8	162.6	162.6	158.6	160.6	160.6
50°	1660.9	1288.8	496.0	219.6	176.9	164.7	158.6	154.5	152.5	152.5	152.5
52.5°	1730.0	1333.6	504.2	215.5	172.8	156.5	152.5	150.4	146.4	144.3	146.4
55°	1799.1	1364.1	506.2	215.5	166.7	148.4	144.3	144.3	140.3	138.2	138.2
57.5°	1825.5	1351.9	477.7	211.4	162.6	142.3	138.2	136.2	134.2	132.1	132.1
60°	1813.3	1307.1	414.7	201.3	158.6	138.2	130.1	130.1	130.1	126.0	128.1
62.5°	1730.0	1154.7	333.4	185.0	152.5	130.1	122.0	126.0	126.0	124.0	124.0
65°	1510.4	953.4	270.4	170.8	144.3	124.0	115.9	122.0	124.0	122.0	119.9
67.5°	1207.5	733.9	223.6	154.5	134.2	113.8	107.7	113.8	115.9	113.8	113.8
70°	829.4	473.7	180.9	138.2	119.9	103.7	97.6	101.6	101.6	103.7	103.7
72.5°	428.9	256.1	148.4	117.9	103.7	93.5	87.4	87.4	85.4	85.4	85.4
75°	213.5	174.8	124.0	99.6	87.4	79.3	75.2	71.2	71.2	71.2	71.2
77.5°	148.4	134.2	101.6	79.3	71.2	65.1	65.1	59.0	59.0	59.0	59.0
80°	111.8	105.7	77.2	61.0	54.9	50.8	50.8	48.8	48.8	46.8	46.8
82.5°	79.3	85.4	59.0	44.7	40.7	38.6	38.6	36.6	36.6	32.5	32.5
85°	63.0	71.2	44.7	32.5	30.5	26.4	26.4	24.4	24.4	22.4	20.3
87.5°	18.3	38.6	18.3	12.2	12.2	12.2	12.2	10.2	10.2	8.1	8.1
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)