

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: P676335

Luminaire Tested: **CCW-SA-2A-835-U-T2-HSS**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P676335
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-2A-835-U-T2-HSS
Description: INVUE CLEAR CURVE Wall Pack MOUNT Light Square Luminaire @350mA w/
T2 distribution lens and House Side Shield
Light Source: (32) 3500K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

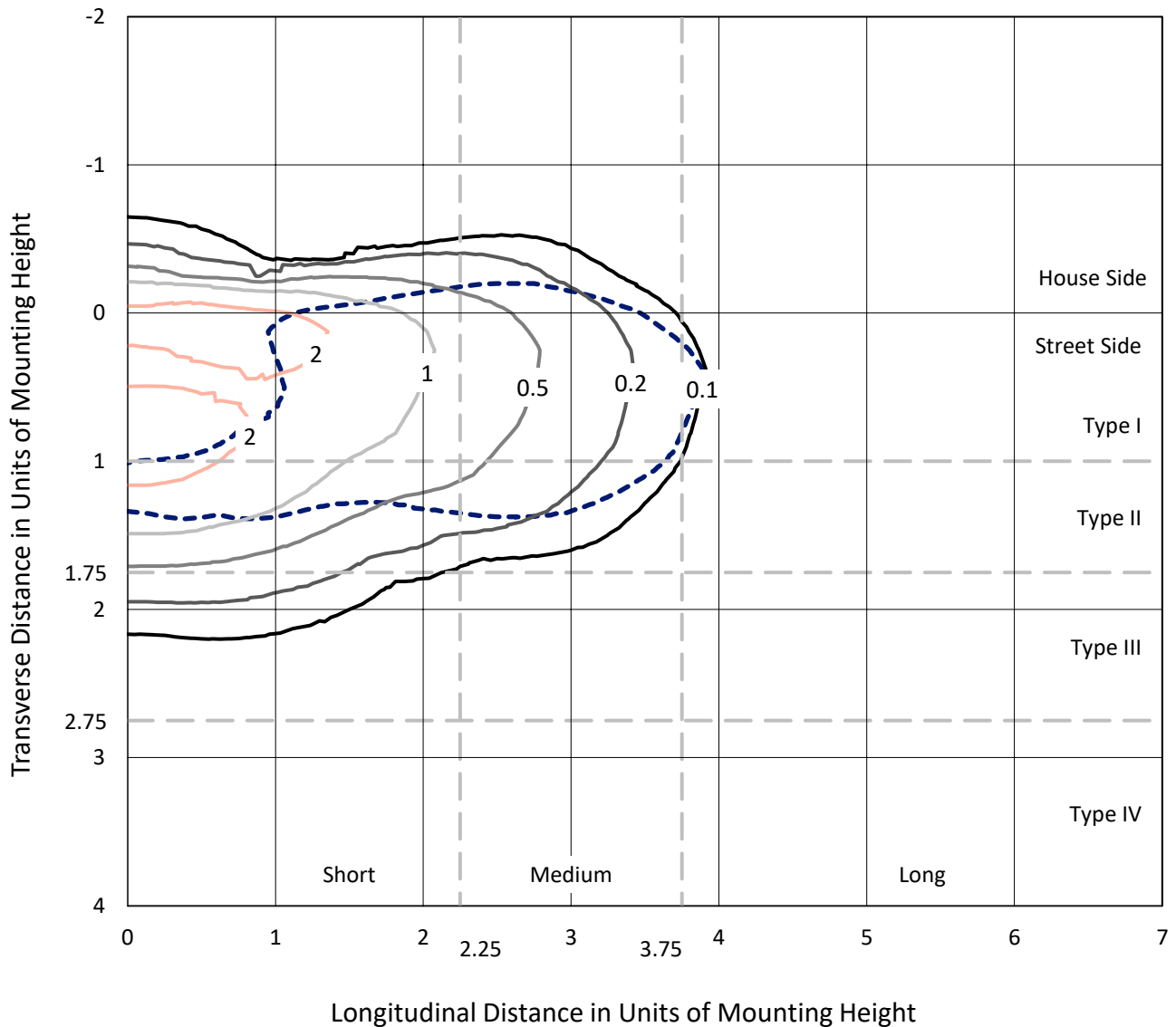
Lumens per Lamp: N/A
Luminaire Lumens: 3480.8 lumens
Efficiency: N/A
Efficacy: 96.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

Input Watts (W): 36.2
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: P676335
 CATALOG NUMBER: CCW-SA-2A-835-U-T2-HSS

Iso-Footcandle Lines of Horizontal Illumination

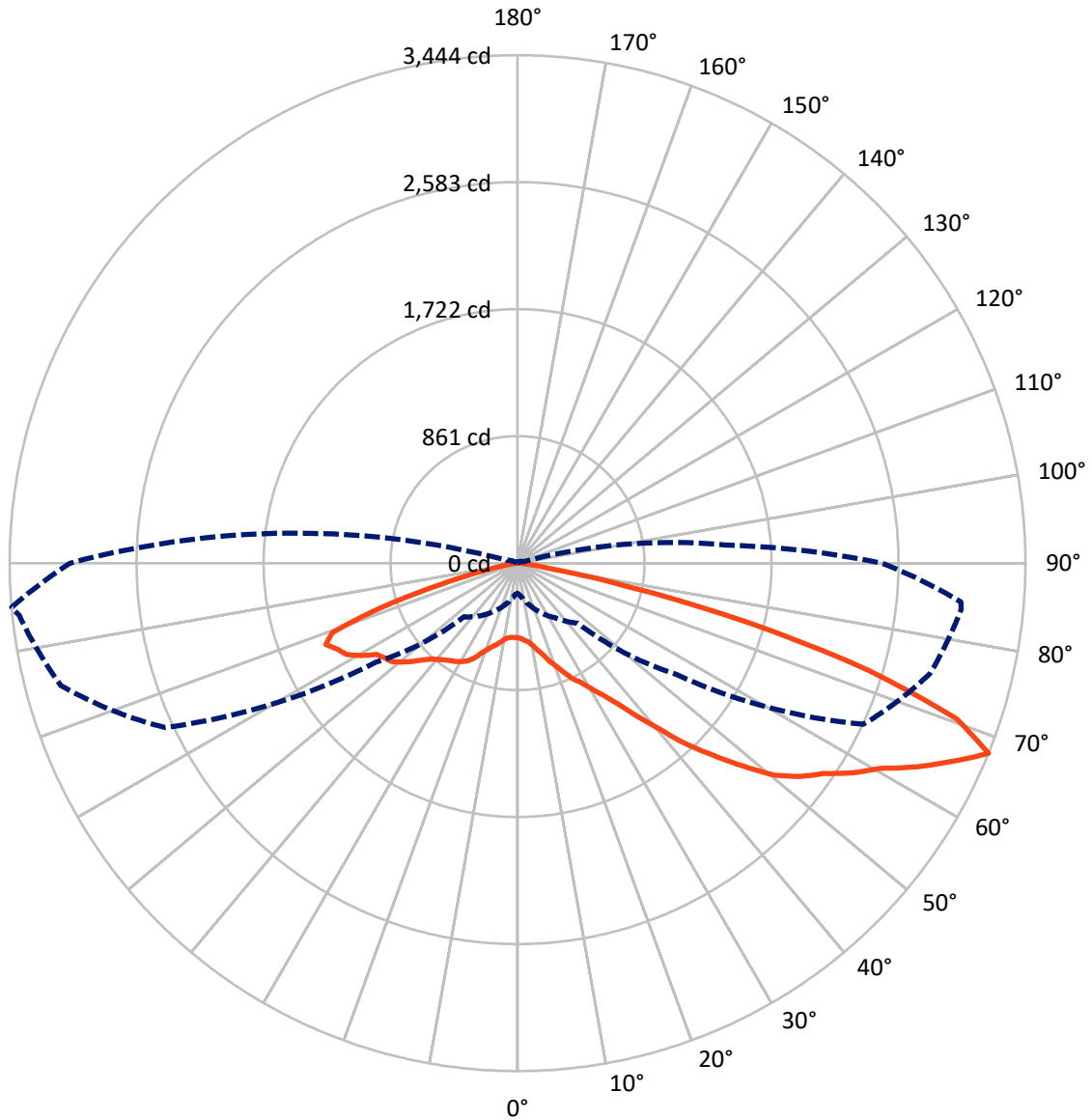
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 2.7 fc
 Type II - Short - N/A

REPORT NUMBER: P676335
CATALOG NUMBER: CCW-SA-2A-835-U-T2-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 275-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P676335
 CATALOG NUMBER: CCW-SA-2A-835-U-T2-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	494.5	0.0	494.5
	% Fixture	14.2	0.0	14.2
Street Side	Lumens	2986.3	0.0	2986.3
	% Fixture	85.8	0.0	85.8
Total	Lumens	3480.8	0.0	3480.8
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	46.1	1.3
10°-20°	124.1	3.6
20°-30°	206.1	5.9
30°-40°	354.6	10.2
40°-50°	637.2	18.3
50°-60°	907.2	26.1
60°-70°	827.1	23.8
70°-80°	352.2	10.1
80°-90°	26.2	0.8
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°	3480.8	100.0
0°-180°	3480.8	100.0



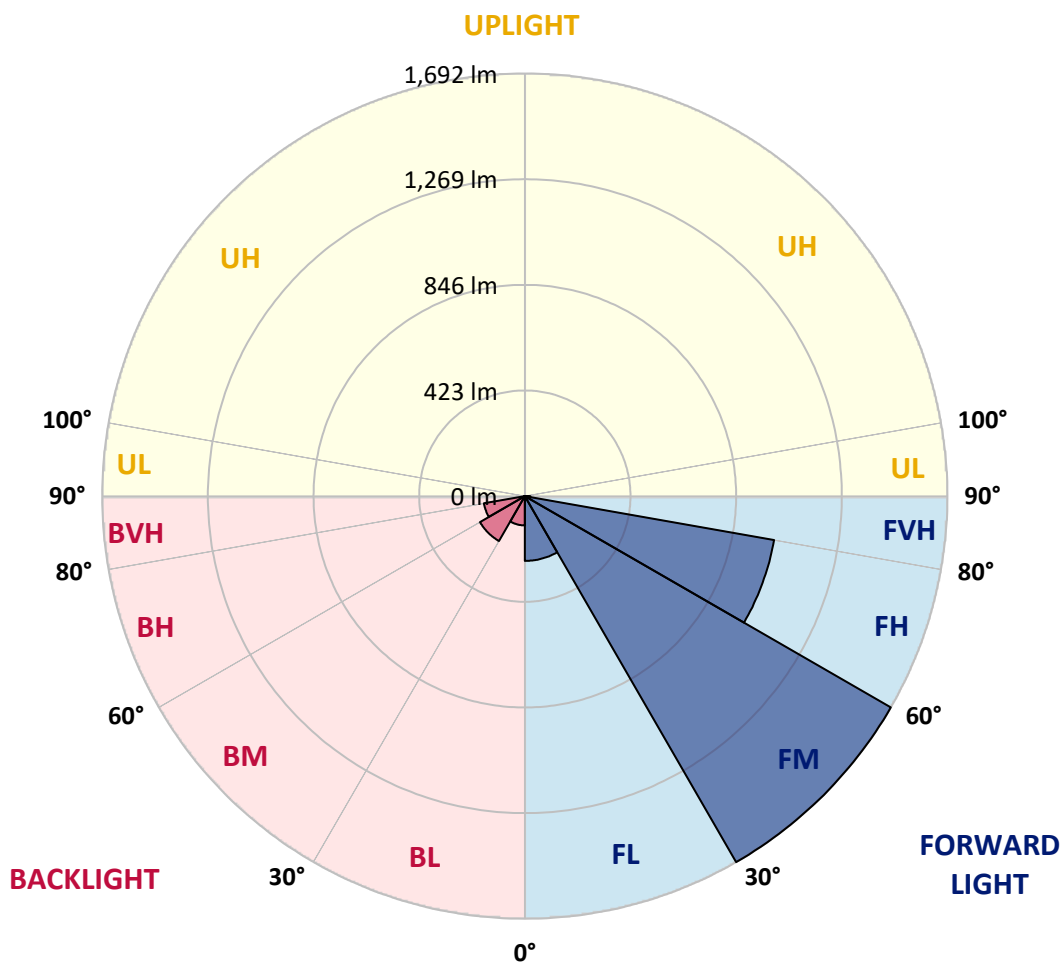
REPORT NUMBER: P676335
 CATALOG NUMBER: CCW-SA-2A-835-U-T2-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	259.3	7.4			
FM (30°-60°)	1691.7	48.6			
FH (60°-80°)	1013.1	29.1			G1/1800
FVH (80°-90°)	22.3	0.6			G1/100
BL (0°-30°)	117.1	3.4	B1/500		
BM (30°-60°)	207.3	6.0	B0/220		
BH (60°-80°)	166.2	4.8	B1/500		G1/500
BVH (80°-90°)	4.0	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type II Short





REPORT NUMBER: P676335

CATALOG NUMBER: CCW-SA-2A-835-U-T2-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	84°	85°
0°	506.2	506.2	506.2	506.2	506.2	506.2	506.2	506.2	506.2	506.2	506.2
2.5°	524.4	529.4	529.4	527.7	522.8	519.4	517.8	514.5	511.1	511.1	512.8
5°	529.4	524.4	531.1	522.8	522.8	522.8	529.4	526.1	524.4	516.1	516.1
7.5°	529.4	524.4	524.4	529.4	524.4	527.7	536.0	532.7	539.4	524.4	527.7
10°	514.5	512.8	516.1	522.8	524.4	531.1	539.4	556.0	557.6	547.7	546.0
12.5°	484.6	482.9	494.5	497.9	517.8	534.4	559.3	572.5	587.5	582.5	572.5
15°	463.0	466.3	474.6	487.9	506.2	536.0	564.2	594.1	620.7	614.0	610.7
17.5°	471.3	469.7	471.3	479.6	502.8	532.7	580.8	615.7	653.9	653.9	657.2
20°	496.2	501.2	499.5	494.5	506.2	531.1	580.8	642.2	705.3	700.3	700.3
22.5°	539.4	541.0	531.1	527.7	526.1	541.0	590.8	675.4	748.5	758.4	755.1
25°	584.2	585.8	582.5	572.5	559.3	562.6	609.1	702.0	808.2	824.8	821.5
27.5°	658.8	657.2	648.9	637.3	617.4	602.4	637.3	721.9	854.7	882.9	874.6
30°	733.5	728.5	716.9	702.0	683.7	655.5	672.1	760.1	912.8	939.3	921.1
32.5°	824.8	814.8	818.2	794.9	756.8	711.9	708.6	794.9	959.2	997.4	982.5
35°	941.0	929.3	912.8	891.2	854.7	794.9	776.7	851.4	1037.2	1065.4	1065.4
37.5°	1093.6	1105.3	1085.3	995.7	955.9	899.5	861.3	909.4	1105.3	1173.3	1156.7
40°	1249.6	1259.6	1223.1	1156.7	1070.4	1000.7	977.5	1004.0	1208.2	1289.5	1257.9
42.5°	1375.8	1389.0	1375.8	1289.5	1221.4	1131.8	1090.3	1115.2	1340.9	1438.8	1397.3
45°	1508.5	1521.8	1506.9	1450.4	1384.1	1332.6	1228.1	1259.6	1480.3	1626.4	1579.9
47.5°	1608.1	1624.7	1598.1	1586.5	1533.4	1525.1	1347.6	1382.4	1626.4	1815.6	1757.5
50°	1631.3	1649.6	1672.8	1686.1	1667.9	1687.8	1508.5	1538.4	1779.0	1989.8	1933.4
52.5°	1576.6	1594.8	1646.3	1707.7	1792.3	1852.1	1671.2	1696.1	1938.4	2134.2	2104.3
55°	1415.6	1432.2	1536.7	1619.7	1822.2	1920.1	1827.2	1931.7	2052.9	2285.2	2212.2
57.5°	1145.1	1165.0	1302.7	1430.5	1722.6	1881.9	1920.1	2127.5	2242.1	2396.4	2311.8
60°	813.2	824.8	944.3	1170.0	1447.1	1691.1	1901.8	2273.6	2391.4	2545.8	2500.9
62.5°	468.0	478.0	602.4	814.8	1092.0	1412.3	1820.5	2411.3	2552.4	2710.0	2685.2
65°	310.3	313.7	398.3	514.5	710.3	1040.5	1614.7	2534.1	2711.7	2841.2	2812.9
67.5°	204.1	222.4	288.8	368.4	454.7	575.9	1316.0	2585.6	2894.3	3023.7	3017.1
70°	146.0	152.7	207.4	283.8	341.9	323.6	770.0	2222.1	2886.0	3073.5	3018.7
72.5°	86.3	92.9	137.7	212.4	268.8	205.8	360.1	1571.6	2391.4	2452.8	2437.9
75°	63.1	63.1	84.6	152.7	195.8	147.7	169.3	994.1	1588.2	1724.3	1722.6
77.5°	44.8	46.5	58.1	91.3	151.0	107.9	92.9	552.6	867.9	949.3	904.5
80°	26.6	28.2	39.8	54.8	109.5	78.0	61.4	252.3	333.6	336.9	320.3
82.5°	19.9	19.9	26.6	38.2	76.3	53.1	38.2	96.3	107.9	97.9	83.0
85°	11.6	10.0	19.9	28.2	44.8	29.9	26.6	44.8	49.8	36.5	33.2
87.5°	3.3	3.3	8.3	10.0	19.9	16.6	11.6	16.6	23.2	13.3	10.0
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: P676335
 CATALOG NUMBER: CCW-SA-2A-835-U-T2-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	506.2	506.2	506.2	506.2	506.2	506.2	506.2	506.2	506.2	506.2	506.2
2.5°	509.5	504.5	496.2	492.9	481.3	476.3	473.0	464.7	466.3	461.4	461.4
5°	504.5	504.5	487.9	469.7	451.4	439.8	426.5	409.9	409.9	403.3	404.9
7.5°	522.8	509.5	487.9	454.7	424.8	398.3	386.7	370.1	360.1	355.1	355.1
10°	534.4	521.1	484.6	444.8	406.6	373.4	348.5	325.3	312.0	312.0	310.3
12.5°	565.9	546.0	497.9	443.1	386.7	336.9	298.7	272.2	253.9	240.6	244.0
15°	592.5	570.9	504.5	429.8	351.8	282.1	235.7	185.9	161.0	147.7	142.7
17.5°	633.9	594.1	519.4	406.6	298.7	220.7	152.7	111.2	101.2	99.6	99.6
20°	668.8	622.3	521.1	361.8	245.6	141.1	97.9	91.3	86.3	84.6	83.0
22.5°	716.9	658.8	514.5	310.3	175.9	94.6	83.0	76.3	73.0	68.0	68.0
25°	766.7	707.0	501.2	262.2	107.9	81.3	73.0	66.4	59.7	56.4	58.1
27.5°	819.8	743.5	463.0	204.1	83.0	71.4	59.7	54.8	51.4	49.8	49.8
30°	863.0	766.7	406.6	136.1	74.7	63.1	53.1	48.1	44.8	43.1	43.1
32.5°	894.5	786.6	343.5	91.3	68.0	56.4	48.1	43.1	39.8	38.2	38.2
35°	947.6	801.6	285.4	78.0	61.4	49.8	41.5	38.2	34.9	34.9	34.9
37.5°	1028.9	821.5	227.4	71.4	56.4	44.8	39.8	34.9	33.2	31.5	31.5
40°	1100.3	846.4	162.6	64.7	51.4	41.5	34.9	31.5	29.9	28.2	28.2
42.5°	1203.2	874.6	106.2	58.1	46.5	38.2	31.5	28.2	26.6	24.9	24.9
45°	1334.3	921.1	83.0	51.4	41.5	34.9	29.9	26.6	23.2	23.2	21.6
47.5°	1473.7	977.5	74.7	48.1	38.2	31.5	26.6	23.2	21.6	19.9	19.9
50°	1603.1	1032.2	69.7	44.8	34.9	29.9	24.9	21.6	18.3	16.6	16.6
52.5°	1719.3	1083.7	66.4	41.5	33.2	26.6	21.6	18.3	16.6	14.9	14.9
55°	1780.7	1106.9	64.7	39.8	29.9	24.9	19.9	16.6	14.9	13.3	13.3
57.5°	1877.0	1136.8	63.1	38.2	28.2	21.6	18.3	14.9	13.3	11.6	11.6
60°	2033.0	1234.7	61.4	36.5	26.6	21.6	16.6	13.3	10.0	8.3	8.3
62.5°	2162.4	1316.0	54.8	31.5	23.2	18.3	13.3	10.0	6.6	5.0	5.0
65°	2310.1	1354.2	48.1	28.2	19.9	14.9	10.0	6.6	5.0	1.7	1.7
67.5°	2471.1	1412.3	39.8	24.9	18.3	11.6	8.3	5.0	1.7	0.0	0.0
70°	2386.4	1339.3	33.2	21.6	16.6	10.0	6.6	3.3	0.0	0.0	0.0
72.5°	1870.3	959.2	26.6	19.9	14.9	10.0	6.6	1.7	0.0	0.0	0.0
75°	1249.6	542.7	23.2	16.6	11.6	8.3	5.0	1.7	0.0	0.0	0.0
77.5°	678.8	244.0	19.9	14.9	10.0	6.6	5.0	1.7	0.0	0.0	0.0
80°	220.7	96.3	16.6	13.3	10.0	6.6	5.0	1.7	0.0	0.0	0.0
82.5°	59.7	29.9	16.6	13.3	10.0	6.6	5.0	1.7	0.0	0.0	0.0
85°	24.9	19.9	16.6	13.3	10.0	6.6	5.0	1.7	0.0	0.0	0.0
87.5°	10.0	6.6	6.6	8.3	6.6	5.0	3.3	1.7	0.0	0.0	0.0
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: P676335
 CATALOG NUMBER: CCW-SA-2A-835-U-T2-HSS

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	506.2	506.2	506.2	506.2	506.2	506.2	506.2	506.2	506.2	506.2	506.2
2.5°	463.0	466.3	468.0	468.0	476.3	484.6	494.5	502.8	502.8	507.8	512.8
5°	406.6	409.9	414.9	429.8	446.4	464.7	482.9	496.2	514.5	522.8	527.7
7.5°	360.1	363.4	376.7	391.7	414.9	446.4	478.0	507.8	526.1	534.4	541.0
10°	312.0	317.0	331.9	358.5	388.3	426.5	463.0	514.5	544.3	560.9	567.6
12.5°	242.3	255.6	275.5	303.7	341.9	400.0	468.0	521.1	572.5	592.5	605.7
15°	152.7	164.3	195.8	240.6	292.1	360.1	454.7	531.1	602.4	622.3	643.9
17.5°	97.9	99.6	109.5	157.7	224.0	310.3	434.8	546.0	635.6	663.8	697.0
20°	83.0	86.3	88.0	94.6	149.4	255.6	393.3	564.2	675.4	713.6	745.1
22.5°	69.7	71.4	74.7	79.7	89.6	185.9	336.9	564.2	710.3	766.7	803.2
25°	56.4	59.7	63.1	68.0	78.0	116.2	278.8	554.3	751.8	821.5	867.9
27.5°	49.8	49.8	53.1	58.1	66.4	81.3	220.7	524.4	783.3	854.7	916.1
30°	43.1	44.8	46.5	51.4	59.7	71.4	152.7	476.3	816.5	919.4	989.1
32.5°	38.2	38.2	41.5	44.8	53.1	64.7	97.9	403.3	859.6	969.2	1067.1
35°	34.9	34.9	36.5	39.8	48.1	58.1	76.3	341.9	911.1	1063.8	1171.6
37.5°	31.5	31.5	33.2	36.5	43.1	51.4	69.7	293.7	964.2	1158.4	1316.0
40°	28.2	28.2	29.9	33.2	38.2	46.5	63.1	237.3	1030.6	1297.8	1473.7
42.5°	24.9	24.9	26.6	29.9	34.9	41.5	54.8	177.6	1118.5	1448.8	1677.8
45°	21.6	21.6	23.2	26.6	29.9	38.2	49.8	136.1	1214.8	1616.4	1857.0
47.5°	18.3	19.9	21.6	24.9	28.2	34.9	44.8	119.5	1309.4	1794.0	2056.2
50°	16.6	16.6	18.3	21.6	26.6	31.5	41.5	117.8	1405.6	1930.1	2260.3
52.5°	14.9	14.9	16.6	19.9	24.9	29.9	39.8	121.1	1485.3	2056.2	2403.0
55°	13.3	13.3	14.9	16.6	21.6	28.2	36.5	124.5	1541.7	2184.0	2517.5
57.5°	11.6	11.6	13.3	16.6	19.9	24.9	33.2	127.8	1633.0	2310.1	2683.5
60°	8.3	8.3	11.6	14.9	18.3	21.6	31.5	131.1	1779.0	2484.4	2824.6
62.5°	5.0	5.0	6.6	11.6	14.9	19.9	28.2	124.5	1915.1	2708.4	3040.3
65°	1.7	3.3	5.0	6.6	11.6	16.6	23.2	112.8	2029.6	2932.4	3239.4
67.5°	0.0	0.0	1.7	5.0	10.0	13.3	19.9	83.0	2047.9	3033.7	3443.6
70°	0.0	0.0	1.7	5.0	8.3	13.3	18.3	46.5	1744.2	2710.0	3156.5
72.5°	0.0	0.0	0.0	3.3	8.3	11.6	16.6	34.9	1286.2	2042.9	2494.3
75°	0.0	0.0	0.0	1.7	6.6	10.0	14.9	26.6	781.6	1362.5	1628.0
77.5°	0.0	0.0	0.0	1.7	5.0	10.0	14.9	23.2	275.5	648.9	765.1
80°	0.0	0.0	0.0	3.3	6.6	10.0	13.3	19.9	66.4	162.6	219.1
82.5°	0.0	0.0	0.0	1.7	5.0	8.3	11.6	16.6	26.6	48.1	76.3
85°	0.0	0.0	0.0	1.7	3.3	8.3	11.6	14.9	18.3	23.2	33.2
87.5°	0.0	0.0	0.0	0.0	1.7	3.3	5.0	6.6	6.6	6.6	11.6
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: P676335
 CATALOG NUMBER: CCW-SA-2A-835-U-T2-HSS

CANDELA DISTRIBUTION (continued):

	276°	285°	295°	305°	315°	325°	335°	345°	355°	360°
0°	506.2	506.2	506.2	506.2	506.2	506.2	506.2	506.2	506.2	506.2
2.5°	511.1	517.8	521.1	527.7	531.1	529.4	527.7	532.7	529.4	524.4
5°	529.4	529.4	534.4	536.0	536.0	531.1	534.4	532.7	529.4	529.4
7.5°	549.3	557.6	557.6	547.7	546.0	542.7	542.7	529.4	524.4	529.4
10°	569.2	575.9	577.5	565.9	551.0	544.3	536.0	519.4	511.1	514.5
12.5°	610.7	610.7	592.5	579.2	559.3	536.0	516.1	492.9	481.3	484.6
15°	640.6	647.2	622.3	592.5	557.6	514.5	492.9	474.6	468.0	463.0
17.5°	698.7	685.4	645.6	602.4	552.6	507.8	492.9	476.3	471.3	471.3
20°	748.5	741.8	682.1	604.1	551.0	521.1	511.1	502.8	501.2	496.2
22.5°	816.5	786.6	710.3	622.3	569.2	542.7	539.4	547.7	542.7	539.4
25°	867.9	843.1	731.9	648.9	597.4	589.1	594.1	602.4	589.1	584.2
27.5°	937.6	891.2	773.4	683.7	635.6	643.9	660.5	662.2	653.9	658.8
30°	1002.4	952.6	804.9	723.6	700.3	708.6	733.5	751.8	740.2	733.5
32.5°	1095.3	1019.0	867.9	789.9	781.6	803.2	831.4	843.1	828.1	824.8
35°	1193.2	1095.3	932.7	864.6	879.6	909.4	934.3	954.2	931.0	941.0
37.5°	1345.9	1218.1	1042.2	982.5	989.1	1000.7	1047.2	1101.9	1113.6	1093.6
40°	1505.2	1350.9	1143.4	1097.0	1111.9	1143.4	1198.2	1249.6	1276.2	1249.6
42.5°	1689.4	1478.7	1299.4	1244.7	1259.6	1304.4	1377.4	1418.9	1415.6	1375.8
45°	1916.8	1656.2	1445.5	1377.4	1432.2	1472.0	1545.0	1550.0	1518.5	1508.5
47.5°	2091.0	1805.6	1603.1	1560.0	1634.7	1636.3	1652.9	1654.6	1619.7	1608.1
50°	2283.5	1978.2	1779.0	1716.0	1842.1	1784.0	1739.2	1709.3	1656.2	1631.3
52.5°	2472.7	2101.0	1941.7	1877.0	2008.1	1853.7	1772.4	1681.1	1603.1	1576.6
55°	2574.0	2303.5	2179.0	2028.0	2044.6	1873.6	1669.5	1555.0	1422.2	1415.6
57.5°	2693.5	2439.5	2379.8	2130.9	1983.2	1734.2	1455.4	1304.4	1161.7	1145.1
60°	2834.5	2655.3	2592.2	2114.3	1765.8	1457.1	1153.4	959.2	824.8	813.2
62.5°	2992.2	2910.9	2723.3	1951.6	1402.3	1025.6	761.7	599.1	474.6	468.0
65°	3241.1	3124.9	2793.0	1643.0	927.7	657.2	506.2	388.3	313.7	310.3
67.5°	3397.1	3206.3	2637.0	1171.6	514.5	434.8	355.1	282.1	217.4	204.1
70°	3176.4	2942.4	2086.1	670.5	298.7	330.3	273.8	189.2	149.4	146.0
72.5°	2537.5	2184.0	1404.0	315.3	185.9	258.9	199.1	127.8	89.6	86.3
75°	1730.9	1374.1	881.2	146.0	131.1	189.2	146.0	74.7	63.1	63.1
77.5°	773.4	700.3	451.4	89.6	97.9	144.4	84.6	51.4	46.5	44.8
80°	235.7	247.3	184.2	61.4	73.0	109.5	51.4	34.9	28.2	26.6
82.5°	79.7	92.9	83.0	36.5	49.8	78.0	34.9	23.2	19.9	19.9
85°	38.2	46.5	41.5	23.2	26.6	38.2	28.2	18.3	11.6	11.6
87.5°	14.9	21.6	14.9	10.0	14.9	19.9	11.6	8.3	3.3	3.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)