

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: P675903

Luminaire Tested: **CCW-SA-2A-835-U-SLL**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P675903
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-SLL
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @350mA w/
SLL distribution lens
Light Source: (32) 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

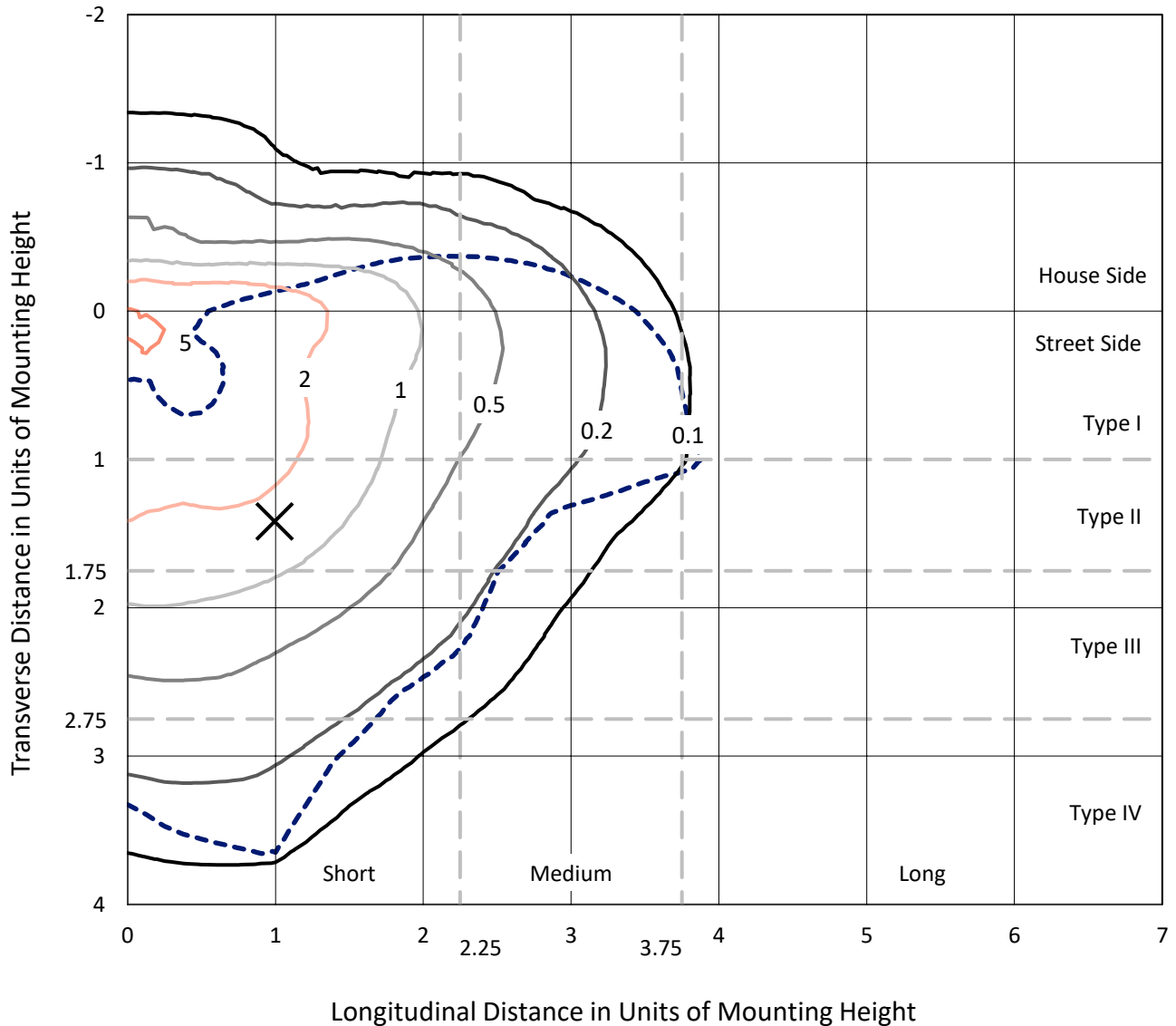
Lumens per Lamp: N/A
Luminaire Lumens: 3740.9 lumens
Efficiency: N/A
Efficacy: 103.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

Input Watts (W): 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: P675903
 CATALOG NUMBER: CCW-SA-2A-835-U-SLL

Iso-Footcandle Lines of Horizontal Illumination

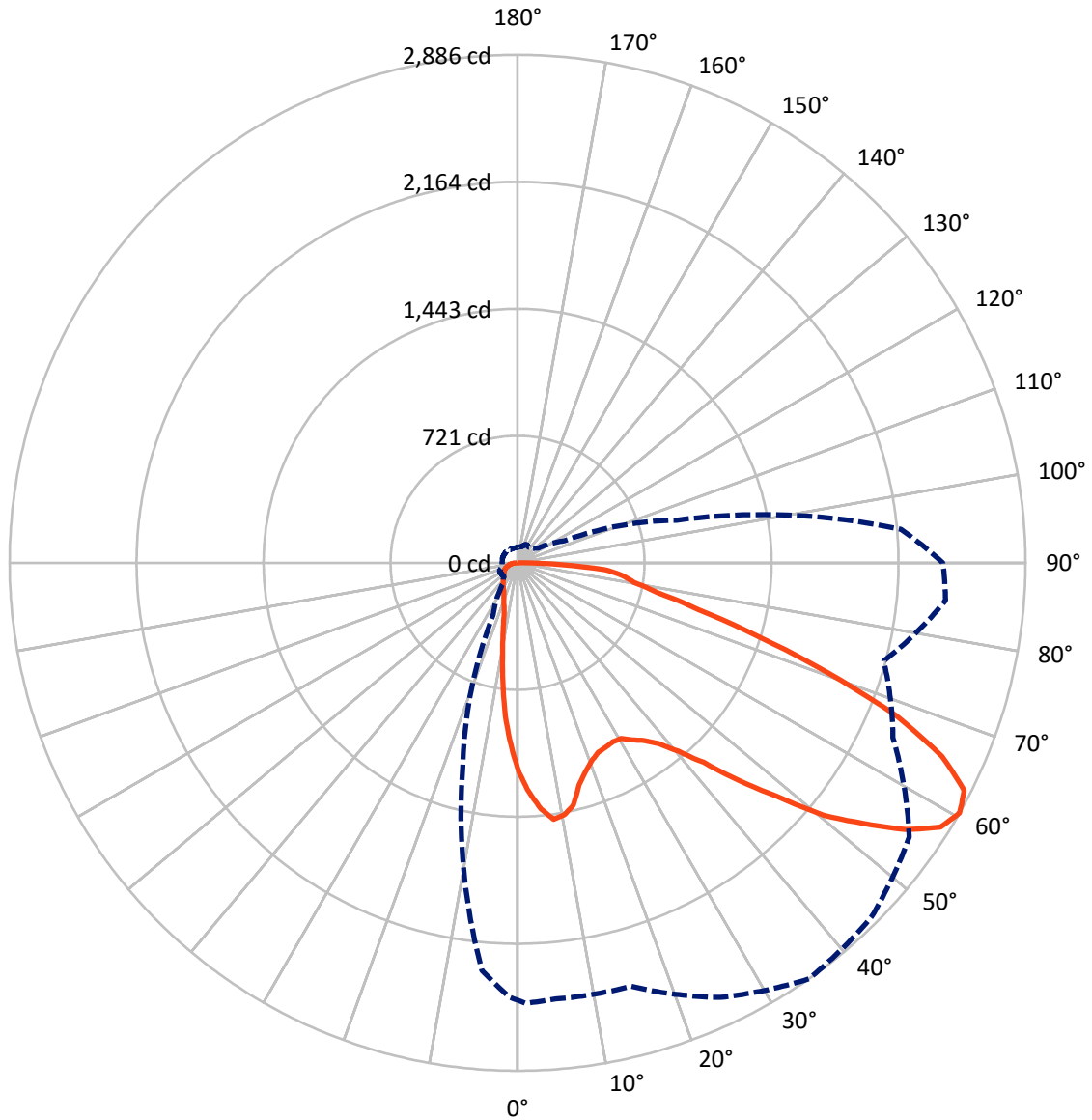
✕ Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 6.1 fc
 Type IV - Short - N/A

REPORT NUMBER: P675903
CATALOG NUMBER: CCW-SA-2A-835-U-SLL

Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 60-Deg Vertical

REPORT NUMBER: P675903
 CATALOG NUMBER: CCW-SA-2A-835-U-SLL

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	712.0	0.0	712.0
	% Fixture	19.0	0.0	19.0
Street Side	Lumens	3029.0	0.0	3029.0
	% Fixture	81.0	0.0	81.0
Total	Lumens	3740.9	0.0	3740.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	92.8	2.5
10°-20°	196.0	5.2
20°-30°	286.7	7.7
30°-40°	404.0	10.8
40°-50°	555.2	14.8
50°-60°	756.7	20.2
60°-70°	828.2	22.1
70°-80°	478.1	12.8
80°-90°	143.2	3.8
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°	3740.9	100.0
0°-180°	3740.9	100.0



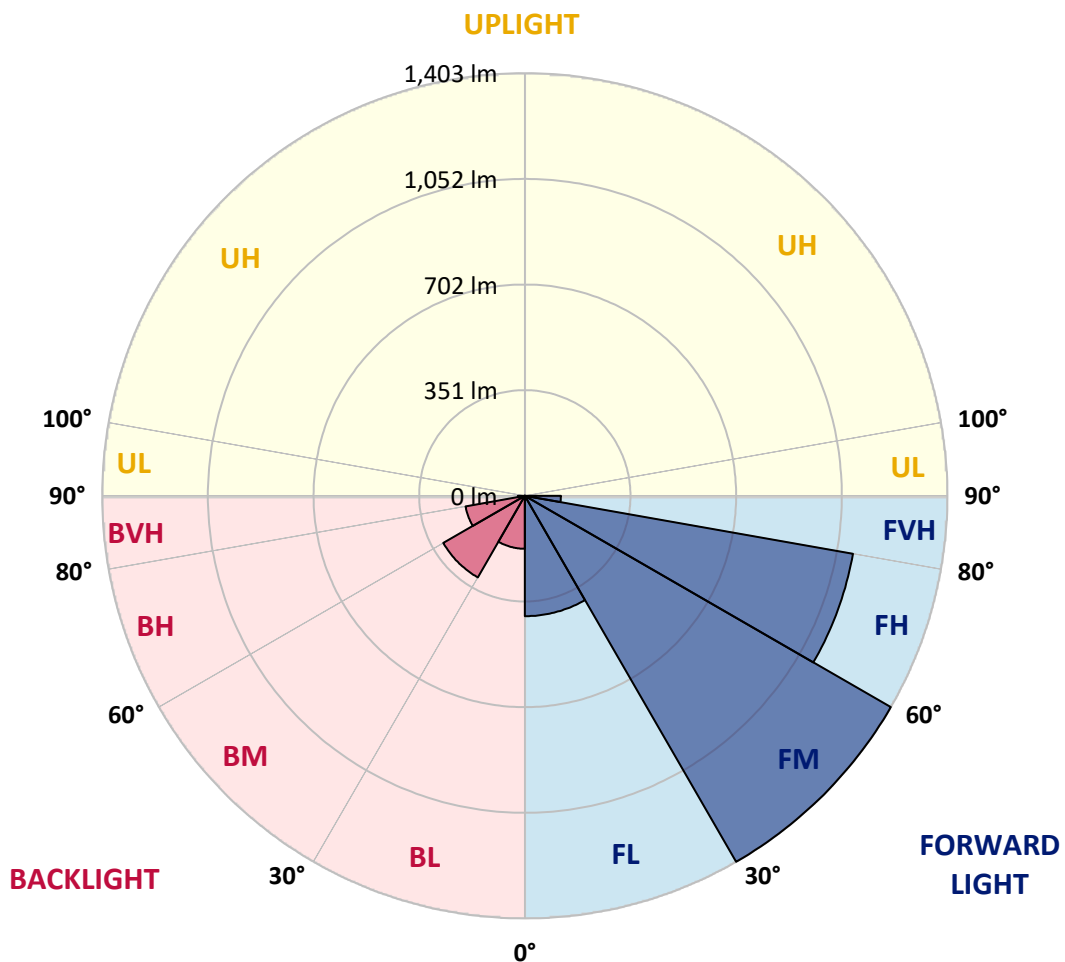
REPORT NUMBER: P675903
 CATALOG NUMBER: CCW-SA-2A-835-U-SLL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	399.6	10.7			
FM (30°-60°)	1403.2	37.5			
FH (60°-80°)	1106.3	29.6			G1/1800
FVH (80°-90°)	119.8	3.2			G2/225
BL (0°-30°)	175.9	4.7	B1/500		
BM (30°-60°)	312.8	8.4	B1/1000		
BH (60°-80°)	200.0	5.3	B1/500		G1/500
BVH (80°-90°)	23.3	0.6			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: P675903

CATALOG NUMBER: CCW-SA-2A-835-U-SLL

CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1194.8	1194.8	1194.8	1194.8	1194.8	1194.8	1194.8	1194.8	1194.8	1194.8	1194.8
2.5°	1279.5	1274.5	1279.5	1297.7	1302.7	1311.0	1311.0	1299.4	1277.8	1267.8	1251.3
5°	1307.7	1299.4	1340.9	1379.0	1408.9	1405.6	1377.4	1354.1	1311.0	1246.3	1184.9
7.5°	1251.3	1259.5	1289.4	1389.0	1458.7	1472.0	1427.2	1380.7	1287.8	1198.1	1115.2
10°	1145.0	1156.7	1221.4	1324.3	1433.8	1455.4	1427.2	1370.7	1259.5	1148.4	1052.1
12.5°	1093.6	1120.2	1158.3	1282.8	1360.8	1412.2	1398.9	1362.4	1238.0	1106.9	1013.9
15°	1093.6	1100.2	1156.7	1261.2	1306.0	1307.7	1312.7	1319.3	1244.6	1125.1	1000.7
17.5°	1128.5	1146.7	1194.8	1259.5	1267.8	1247.9	1247.9	1276.1	1257.9	1176.6	1048.8
20°	1213.1	1206.4	1269.5	1296.1	1251.3	1201.5	1196.5	1244.6	1272.8	1231.3	1136.7
22.5°	1297.7	1327.6	1379.0	1319.3	1236.3	1169.9	1163.3	1223.0	1317.6	1325.9	1238.0
25°	1425.5	1455.4	1481.9	1408.9	1234.7	1161.6	1166.6	1213.1	1372.4	1460.3	1407.2
27.5°	1563.2	1581.5	1619.7	1506.8	1274.5	1151.7	1156.7	1226.4	1423.8	1548.3	1540.0
30°	1641.2	1661.1	1652.8	1525.1	1301.0	1158.3	1145.0	1244.6	1395.6	1548.3	1626.3
32.5°	1717.6	1706.0	1701.0	1554.9	1334.2	1199.8	1166.6	1282.8	1412.2	1573.2	1737.5
35°	1810.5	1793.9	1780.6	1613.0	1389.0	1239.6	1224.7	1332.6	1448.7	1624.6	1827.1
37.5°	1913.4	1913.4	1848.7	1656.2	1453.7	1304.4	1287.8	1403.9	1506.8	1656.2	1949.9
40°	2034.5	2039.5	1925.0	1714.2	1526.7	1407.2	1402.3	1496.9	1563.2	1702.6	2067.7
42.5°	2124.1	2127.5	1991.4	1735.8	1611.4	1550.0	1571.5	1646.2	1628.0	1744.1	2076.0
45°	2185.5	2168.9	2037.8	1797.2	1704.3	1764.0	1770.7	1792.2	1712.6	1769.0	2109.2
47.5°	2215.4	2212.1	2057.8	1868.6	1900.1	1981.4	2019.6	1989.7	1790.6	1742.5	2109.2
50°	2245.3	2217.1	2076.0	1966.5	2091.0	2255.2	2246.9	2192.2	1898.5	1775.6	2077.7
52.5°	2265.2	2240.3	2112.5	2054.4	2273.5	2459.4	2492.5	2391.3	2024.6	1837.1	2092.6
55°	2336.6	2316.6	2222.1	2173.9	2484.3	2675.1	2680.1	2539.0	2157.3	1938.3	2190.5
57.5°	2422.8	2434.5	2373.1	2343.2	2645.2	2832.7	2814.5	2648.5	2270.2	2061.1	2303.4
60°	2484.3	2502.5	2487.6	2490.9	2724.9	2885.8	2844.4	2716.6	2353.2	2154.0	2441.1
62.5°	2451.1	2487.6	2549.0	2535.7	2728.2	2847.7	2789.6	2627.0	2363.1	2275.2	2545.7
65°	2359.8	2363.1	2482.6	2555.6	2578.8	2650.2	2573.9	2439.4	2260.2	2349.8	2530.7
67.5°	2125.8	2152.4	2260.2	2402.9	2305.0	2321.6	2315.0	2120.8	2104.2	2298.4	2416.2
70°	1876.9	1895.1	2013.0	2180.6	1946.6	1868.6	1883.5	1739.1	1807.2	2139.1	2185.5
72.5°	1551.6	1563.2	1697.7	1845.3	1561.6	1422.2	1457.0	1339.2	1435.5	1871.9	1843.7
75°	1171.6	1193.2	1297.7	1472.0	1150.0	1060.4	1095.3	1047.1	1136.7	1541.7	1430.5
77.5°	833.1	816.5	945.9	1151.7	864.6	811.5	814.8	823.1	919.4	1299.4	1027.2
80°	567.5	572.5	688.7	844.7	678.7	670.4	662.1	728.5	771.7	1028.9	746.8
82.5°	336.9	336.9	464.7	600.7	536.0	604.1	565.9	625.6	604.1	756.7	489.5
85°	157.7	157.7	239.0	433.1	414.9	497.8	423.2	473.0	446.4	527.7	220.7
87.5°	26.6	23.2	48.1	212.4	170.9	194.2	76.3	252.2	280.5	368.4	54.8
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: P675903
 CATALOG NUMBER: CCW-SA-2A-835-U-SLL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1194.8	1194.8	1194.8	1194.8	1194.8	1194.8	1194.8	1194.8	1194.8	1194.8	1194.8
2.5°	1233.0	1221.4	1198.1	1168.3	1143.4	1111.9	1101.9	1080.3	1050.5	1047.1	1033.9
5°	1161.6	1121.8	1072.0	1010.6	969.1	926.0	889.5	867.9	843.0	839.7	833.1
7.5°	1083.6	1033.9	950.9	877.9	806.5	738.5	705.3	663.8	635.6	614.0	604.1
10°	1010.6	964.2	861.3	761.7	698.6	653.8	614.0	570.9	536.0	509.5	499.5
12.5°	962.5	907.7	796.6	702.0	655.5	604.1	559.2	512.8	468.0	433.1	414.9
15°	940.9	889.5	776.6	672.1	604.1	532.7	481.3	434.8	380.0	355.1	346.8
17.5°	992.4	916.0	770.0	637.2	541.0	459.7	396.6	346.8	307.0	282.1	272.2
20°	1058.8	964.2	781.6	595.8	481.3	390.0	320.3	267.2	240.6	222.4	220.7
22.5°	1143.4	1035.5	799.9	565.9	414.9	313.6	250.6	219.1	200.8	199.1	195.8
25°	1294.4	1165.0	829.7	526.1	361.8	258.9	214.1	195.8	187.5	182.5	185.9
27.5°	1423.8	1249.6	851.3	501.2	340.2	243.9	207.4	187.5	179.2	177.6	179.2
30°	1500.2	1327.6	844.7	454.7	297.0	232.3	220.7	214.1	197.5	184.2	184.2
32.5°	1569.9	1377.4	843.0	413.2	253.9	194.2	184.2	179.2	189.2	195.8	190.8
35°	1666.1	1455.4	838.0	390.0	235.6	179.2	162.6	149.4	142.7	139.4	144.4
37.5°	1769.0	1508.5	824.8	386.7	225.7	170.9	157.7	144.4	137.7	134.4	132.8
40°	1881.9	1564.9	809.8	370.1	220.7	165.9	152.7	141.1	132.8	127.8	126.1
42.5°	1954.9	1609.7	794.9	361.8	210.8	162.6	147.7	137.7	129.4	122.8	122.8
45°	1996.4	1662.8	780.0	353.5	199.1	164.3	147.7	134.4	124.5	121.1	117.8
47.5°	2014.6	1702.6	775.0	340.2	189.2	157.7	144.4	131.1	121.1	114.5	112.8
50°	2062.7	1787.3	793.2	330.2	177.6	151.0	152.7	129.4	119.5	111.2	109.5
52.5°	2091.0	1855.3	833.1	315.3	169.3	142.7	149.4	126.1	114.5	106.2	106.2
55°	2193.8	1968.2	876.2	303.7	159.3	131.1	137.7	119.5	106.2	101.2	101.2
57.5°	2324.9	2087.6	912.7	298.7	152.7	122.8	122.8	116.2	101.2	94.6	92.9
60°	2416.2	2185.5	934.3	295.4	146.0	114.5	109.5	116.2	96.3	89.6	88.0
62.5°	2426.2	2129.1	912.7	293.7	144.4	106.2	99.6	111.2	91.3	84.6	81.3
65°	2363.1	2014.6	853.0	287.1	142.7	97.9	92.9	96.3	84.6	79.7	76.3
67.5°	2237.0	1828.8	766.7	283.8	141.1	91.3	84.6	83.0	78.0	73.0	69.7
70°	1943.3	1586.5	665.5	268.8	137.7	86.3	76.3	74.7	69.7	66.4	64.7
72.5°	1631.3	1297.7	549.3	248.9	131.1	78.0	69.7	66.4	64.7	59.7	58.1
75°	1249.6	999.0	439.8	220.7	114.5	69.7	61.4	58.1	56.4	53.1	51.4
77.5°	877.9	743.4	325.3	179.2	96.3	63.1	54.8	51.4	49.8	44.8	44.8
80°	595.8	521.1	220.7	124.5	74.7	51.4	48.1	44.8	41.5	38.2	38.2
82.5°	370.1	365.1	159.3	81.3	54.8	41.5	38.2	38.2	33.2	29.9	29.9
85°	169.3	224.0	111.2	56.4	41.5	31.5	31.5	29.9	26.6	21.6	21.6
87.5°	53.1	74.7	58.1	24.9	23.2	18.3	18.3	16.6	16.6	13.3	13.3
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: P675903
 CATALOG NUMBER: CCW-SA-2A-835-U-SLL

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	1194.8	1194.8	1194.8	1194.8	1194.8	1194.8	1194.8	1194.8	1194.8	1194.8	1194.8
2.5°	1047.1	1045.5	1045.5	1038.8	1055.4	1055.4	1065.4	1057.1	1062.1	1063.7	1077.0
5°	831.4	844.7	854.6	874.5	886.2	891.1	891.1	904.4	899.4	909.4	929.3
7.5°	609.0	625.6	655.5	680.4	700.3	706.9	705.3	708.6	713.6	702.0	705.3
10°	492.9	481.3	491.2	514.4	532.7	554.3	537.7	536.0	541.0	536.0	546.0
12.5°	411.6	398.3	390.0	390.0	403.3	413.2	408.2	416.5	434.8	439.8	451.4
15°	333.6	321.9	315.3	307.0	320.3	323.6	328.6	340.2	353.5	360.1	373.4
17.5°	267.2	267.2	267.2	260.5	265.5	270.5	272.2	287.1	288.8	295.4	300.4
20°	219.1	224.0	232.3	235.6	240.6	240.6	237.3	245.6	239.0	243.9	247.3
22.5°	197.5	204.1	207.4	209.1	215.7	217.4	209.1	210.8	212.4	207.4	209.1
25°	185.9	189.2	185.9	187.5	189.2	185.9	187.5	190.8	189.2	192.5	190.8
27.5°	180.9	177.6	175.9	174.2	174.2	170.9	172.6	172.6	175.9	177.6	177.6
30°	180.9	175.9	169.3	164.3	164.3	159.3	162.6	165.9	167.6	170.9	170.9
32.5°	185.9	175.9	164.3	159.3	154.3	151.0	154.3	159.3	165.9	167.6	169.3
35°	147.7	152.7	151.0	144.4	142.7	142.7	141.1	141.1	136.1	136.1	134.4
37.5°	132.8	131.1	134.4	136.1	137.7	132.8	132.8	126.1	124.5	126.1	126.1
40°	124.5	124.5	124.5	129.4	131.1	127.8	122.8	119.5	119.5	119.5	121.1
42.5°	121.1	117.8	116.2	119.5	124.5	121.1	116.2	114.5	114.5	116.2	116.2
45°	116.2	114.5	112.8	111.2	117.8	112.8	111.2	109.5	109.5	109.5	111.2
47.5°	111.2	109.5	106.2	106.2	107.9	106.2	104.5	104.5	104.5	107.9	107.9
50°	107.9	106.2	102.9	102.9	102.9	102.9	101.2	101.2	101.2	102.9	104.5
52.5°	102.9	101.2	99.6	97.9	97.9	97.9	97.9	97.9	97.9	99.6	101.2
55°	97.9	96.3	94.6	94.6	96.3	96.3	94.6	96.3	94.6	96.3	97.9
57.5°	92.9	91.3	89.6	91.3	92.9	91.3	91.3	91.3	91.3	91.3	92.9
60°	86.3	86.3	86.3	86.3	89.6	89.6	89.6	89.6	86.3	88.0	89.6
62.5°	83.0	81.3	81.3	83.0	84.6	84.6	86.3	84.6	83.0	84.6	84.6
65°	76.3	76.3	76.3	78.0	78.0	79.7	79.7	79.7	78.0	79.7	79.7
67.5°	71.4	71.4	71.4	71.4	74.7	74.7	74.7	74.7	73.0	73.0	74.7
70°	63.1	64.7	63.1	66.4	69.7	68.0	69.7	69.7	68.0	66.4	69.7
72.5°	58.1	58.1	58.1	58.1	63.1	63.1	63.1	64.7	63.1	61.4	63.1
75°	51.4	51.4	51.4	53.1	56.4	56.4	56.4	56.4	56.4	54.8	54.8
77.5°	44.8	46.5	44.8	46.5	49.8	48.1	49.8	51.4	49.8	48.1	48.1
80°	38.2	38.2	38.2	39.8	41.5	41.5	41.5	43.1	41.5	39.8	39.8
82.5°	29.9	29.9	31.5	31.5	33.2	33.2	33.2	34.8	33.2	31.5	31.5
85°	23.2	23.2	23.2	24.9	24.9	26.6	26.6	28.2	28.2	26.6	26.6
87.5°	14.9	13.3	14.9	14.9	16.6	16.6	14.9	13.3	14.9	13.3	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: P675903
 CATALOG NUMBER: CCW-SA-2A-835-U-SLL

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	1194.8	1194.8	1194.8	1194.8	1194.8	1194.8	1194.8	1194.8	1194.8	1194.8
2.5°	1090.3	1120.2	1141.7	1156.7	1178.2	1219.7	1236.3	1266.2	1274.5	1279.5
5°	937.6	969.1	1015.6	1048.8	1087.0	1165.0	1224.7	1269.5	1289.4	1307.7
7.5°	735.2	776.6	824.8	867.9	931.0	1027.2	1105.2	1198.1	1233.0	1251.3
10°	574.2	612.4	665.5	718.6	806.5	887.8	999.0	1083.6	1131.8	1145.0
12.5°	484.6	529.4	592.4	657.2	711.9	804.9	917.7	1040.5	1085.3	1093.6
15°	411.6	473.0	537.7	604.1	667.1	748.4	869.6	1018.9	1085.3	1093.6
17.5°	340.2	395.0	471.3	542.7	615.7	726.9	877.9	1037.2	1103.6	1128.5
20°	270.5	323.6	383.3	473.0	572.5	690.3	896.1	1098.6	1186.5	1213.1
22.5°	224.0	247.3	305.3	391.6	509.5	665.5	914.4	1194.8	1287.8	1297.7
25°	195.8	212.4	248.9	330.2	459.7	648.9	957.5	1306.0	1425.5	1425.5
27.5°	182.5	189.2	214.1	287.1	424.8	633.9	1000.7	1428.8	1540.0	1563.2
30°	179.2	195.8	209.1	255.6	386.7	592.4	1040.5	1525.1	1639.6	1641.2
32.5°	175.9	172.6	182.5	222.4	340.2	549.3	1073.7	1623.0	1712.6	1717.6
35°	137.7	144.4	161.0	195.8	305.3	517.8	1090.3	1676.1	1805.5	1810.5
37.5°	129.4	137.7	151.0	180.9	282.1	491.2	1095.3	1779.0	1903.4	1913.4
40°	126.1	132.8	142.7	167.6	263.9	458.0	1105.2	1885.2	2047.8	2034.5
42.5°	119.5	127.8	137.7	161.0	248.9	433.1	1106.9	1943.3	2124.1	2124.1
45°	117.8	122.8	134.4	161.0	232.3	411.6	1080.3	2001.3	2212.1	2185.5
47.5°	111.2	121.1	131.1	156.0	212.4	390.0	1048.8	2031.2	2223.7	2215.4
50°	109.5	119.5	136.1	147.7	200.8	380.0	1042.2	2105.9	2246.9	2245.3
52.5°	106.2	116.2	141.1	141.1	185.9	366.7	1073.7	2139.1	2251.9	2265.2
55°	101.2	116.2	131.1	129.4	172.6	350.2	1108.5	2225.4	2339.9	2336.6
57.5°	97.9	112.8	124.5	117.8	157.7	338.5	1160.0	2308.3	2446.1	2422.8
60°	92.9	112.8	111.2	109.5	146.0	328.6	1203.1	2324.9	2469.3	2484.3
62.5°	89.6	117.8	97.9	101.2	136.1	323.6	1184.9	2200.5	2437.8	2451.1
65°	86.3	101.2	89.6	92.9	132.8	313.6	1113.5	2051.1	2301.7	2359.8
67.5°	79.7	83.0	83.0	86.3	129.4	290.4	967.5	1782.3	2094.3	2125.8
70°	73.0	74.7	74.7	79.7	126.1	263.9	798.2	1541.7	1817.1	1876.9
72.5°	66.4	66.4	66.4	73.0	116.2	242.3	657.2	1184.9	1510.1	1551.6
75°	58.1	58.1	58.1	64.7	104.5	220.7	517.8	881.2	1111.9	1171.6
77.5°	51.4	51.4	49.8	58.1	91.3	179.2	373.4	622.3	783.3	833.1
80°	43.1	41.5	41.5	46.5	71.4	129.4	240.6	439.8	546.0	567.5
82.5°	34.8	33.2	31.5	34.8	51.4	81.3	149.4	307.0	350.2	336.9
85°	33.2	34.8	28.2	26.6	36.5	53.1	94.6	189.2	157.7	157.7
87.5°	13.3	11.6	11.6	10.0	18.3	19.9	41.5	34.8	26.6	26.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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