

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: P676148

Luminaire Tested: **CCW-SA-2B-750-U-T1**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P676148
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-2B-750-U-T1
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @450mA w/
T1 distribution lens
Light Source: (32) 5000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

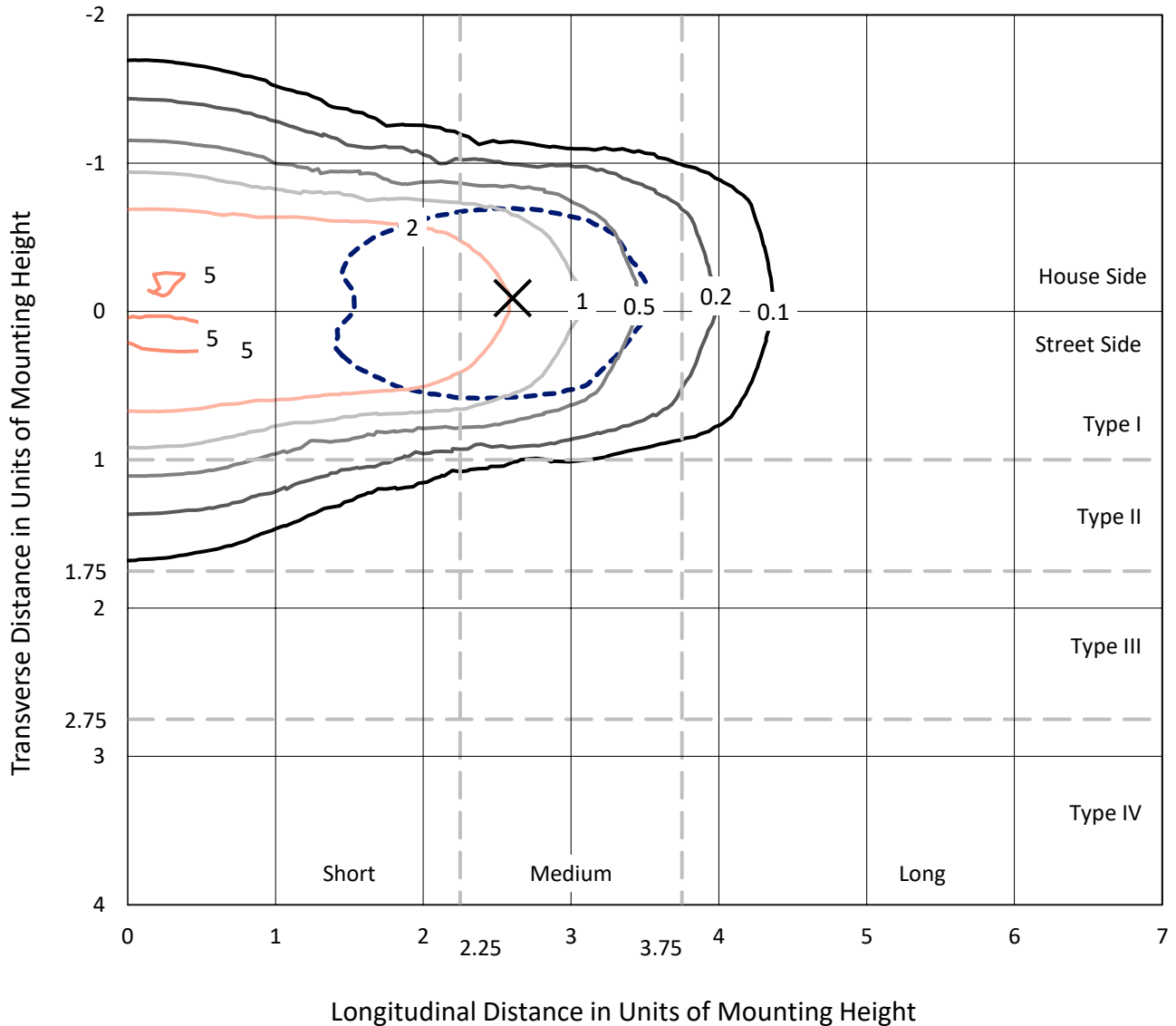
Lumens per Lamp: N/A
Luminaire Lumens: 6879.1 lumens
Efficiency: N/A
Efficacy: 149.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B3 - U0 - G3

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

REPORT NUMBER: P676148
 CATALOG NUMBER: CCW-SA-2B-750-U-T1

Iso-Footcandle Lines of Horizontal Illumination

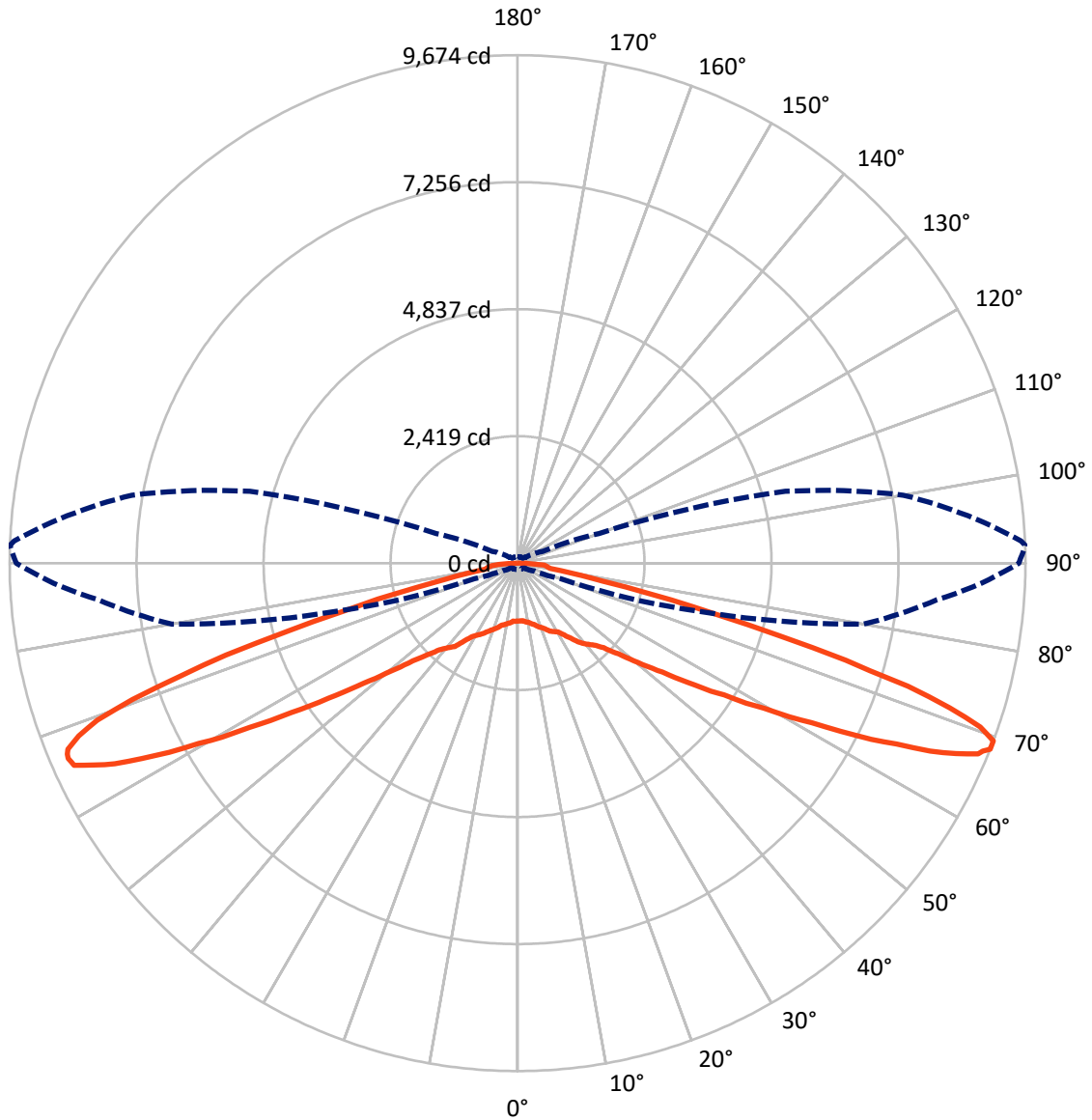
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 5.3 fc
 Type I - Short - N/A

REPORT NUMBER: P676148
CATALOG NUMBER: CCW-SA-2B-750-U-T1

Luminous Intensity Polar Plot



— Vertical Plane Through 92-Deg Lateral - - - Horizontal Cone Through 69-Deg Vertical

REPORT NUMBER: P676148
 CATALOG NUMBER: CCW-SA-2B-750-U-T1

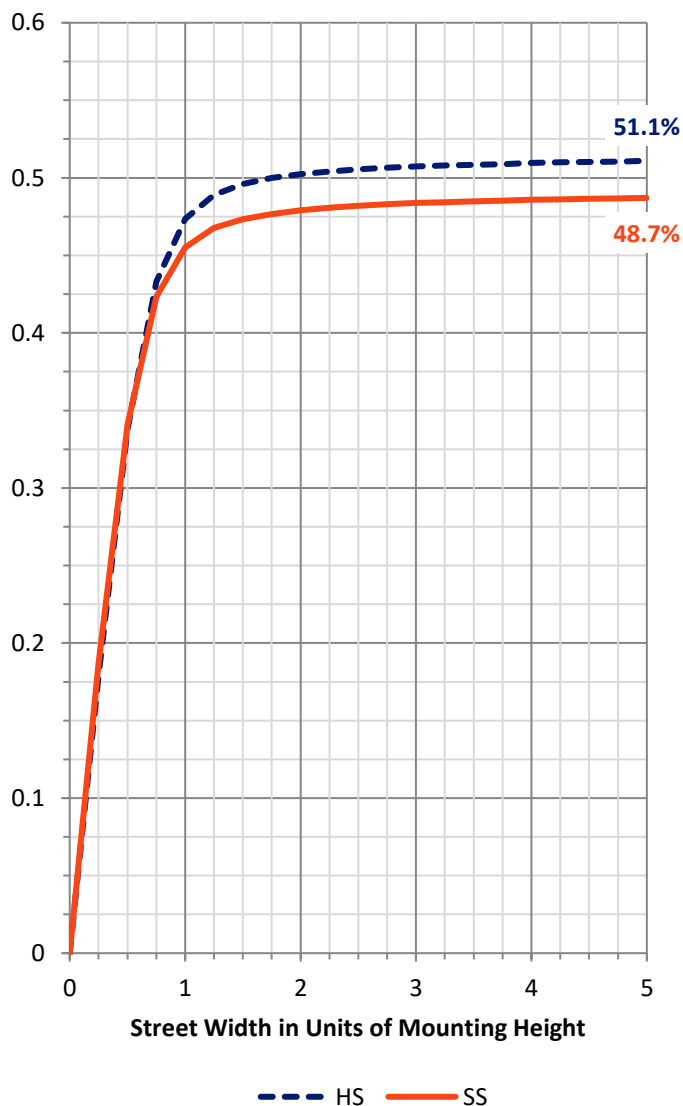
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3542.6	0.0	3542.6
	% Fixture	51.5	0.0	51.5
Street Side	Lumens	3336.5	0.0	3336.5
	% Fixture	48.5	0.0	48.5
Total	Lumens	6879.1	0.0	6879.1
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	110.2	1.6
10°-20°	356.9	5.2
20°-30°	609.0	8.9
30°-40°	850.3	12.4
40°-50°	1081.7	15.7
50°-60°	1367.7	19.9
60°-70°	1686.7	24.5
70°-80°	736.8	10.7
80°-90°	79.9	1.2
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°	6879.1	100.0
0°-180°	6879.1	100.0



REPORT NUMBER: P676148

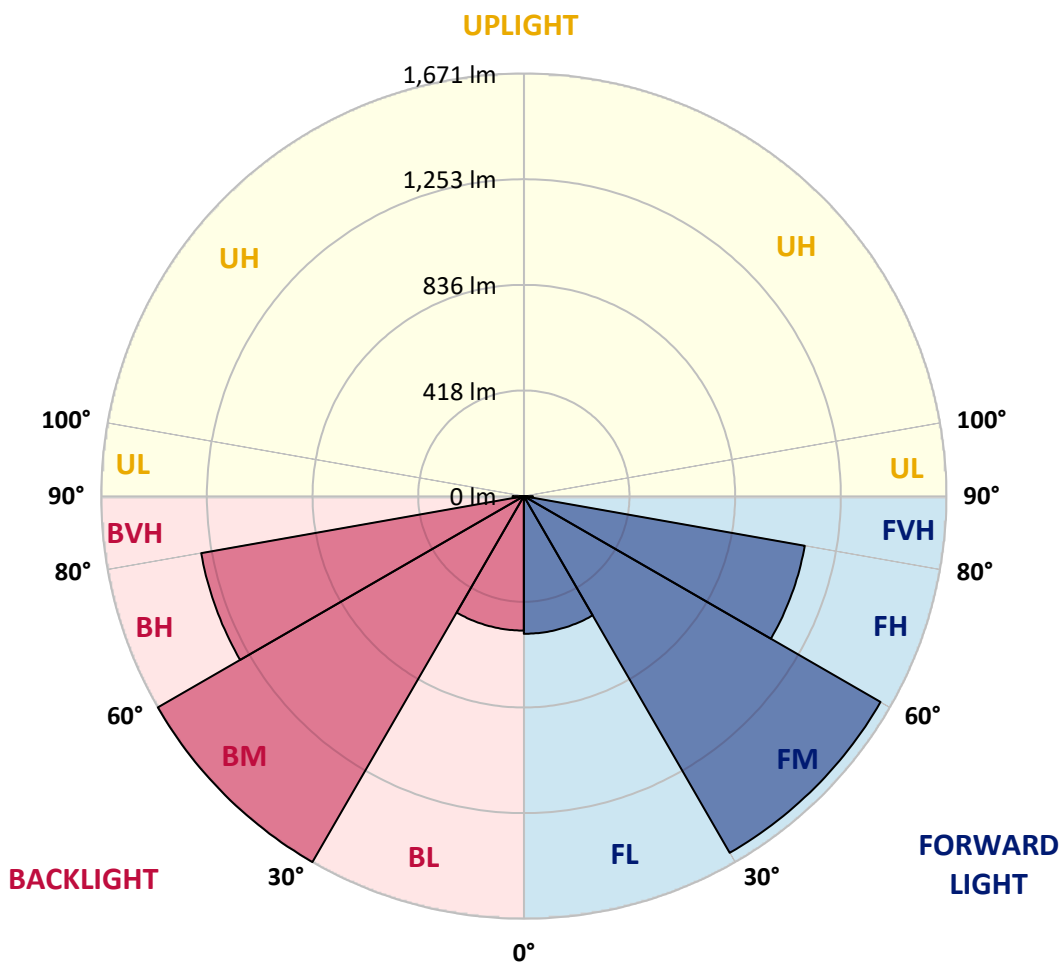
CATALOG NUMBER: CCW-SA-2B-750-U-T1

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	544.4	7.9			
FM (30°-60°)	1628.6	23.7			
FH (60°-80°)	1128.0	16.4			G1/1800
FVH (80°-90°)	35.4	0.5			G1/100
BL (0°-30°)	531.6	7.7	B2/1000		
BM (30°-60°)	1671.1	24.3	B2/2500		
BH (60°-80°)	1295.5	18.8	B3/2500		G3/2500
BVH (80°-90°)	44.5	0.6			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type I Short





REPORT NUMBER: P676148

CATALOG NUMBER: CCW-SA-2B-750-U-T1

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	80°
0°	1100.0	1100.0	1100.0	1100.0	1100.0	1100.0	1100.0	1100.0	1100.0	1100.0	1100.0
2.5°	1123.3	1122.0	1125.8	1128.4	1116.8	1120.7	1118.1	1115.5	1106.5	1102.6	1094.9
5°	1154.3	1158.1	1171.0	1159.4	1164.6	1158.1	1137.5	1143.9	1132.3	1129.7	1122.0
7.5°	1208.5	1200.7	1218.8	1205.9	1209.8	1196.9	1187.8	1176.2	1173.6	1155.5	1156.8
10°	1220.1	1235.6	1243.3	1240.8	1243.3	1249.8	1233.0	1214.9	1190.4	1185.2	1167.2
12.5°	1212.4	1226.6	1247.2	1264.0	1275.6	1278.2	1271.7	1267.9	1257.5	1227.8	1226.6
15°	1204.6	1194.3	1207.2	1265.3	1304.0	1329.8	1338.9	1316.9	1319.5	1280.8	1265.3
17.5°	1153.0	1137.5	1187.8	1244.6	1292.4	1349.2	1393.1	1386.7	1386.7	1355.7	1333.7
20°	1084.5	1110.4	1136.2	1208.5	1296.3	1381.5	1465.4	1461.5	1446.0	1437.0	1389.2
22.5°	1026.4	1038.1	1085.8	1162.0	1271.7	1390.5	1489.9	1561.0	1524.8	1488.7	1460.2
25°	986.4	976.1	1036.8	1115.5	1248.5	1375.0	1536.4	1610.0	1629.4	1602.3	1548.0
27.5°	929.6	929.6	977.4	1052.3	1173.6	1367.3	1581.6	1693.9	1722.3	1682.3	1603.6
30°	865.0	872.8	914.1	999.3	1118.1	1310.5	1599.7	1790.8	1814.0	1779.2	1697.8
32.5°	814.7	814.7	861.2	951.5	1079.4	1284.7	1588.1	1886.3	1930.2	1904.4	1820.5
35°	760.5	756.6	790.2	889.6	1017.4	1234.3	1584.2	1962.5	2060.6	2061.9	1974.1
37.5°	683.0	698.5	741.1	819.9	968.3	1185.2	1572.6	2054.2	2229.8	2259.4	2198.8
40°	631.4	637.8	676.5	763.0	892.2	1127.1	1555.8	2129.0	2342.1	2444.1	2360.2
42.5°	556.5	565.5	595.2	702.4	818.6	1044.5	1482.2	2182.0	2502.2	2618.4	2547.4
45°	477.7	482.9	526.8	614.6	739.8	946.4	1403.4	2267.2	2657.1	2894.7	2853.4
47.5°	383.5	386.0	423.5	515.2	645.6	848.3	1282.1	2263.3	2782.3	3171.0	3287.2
50°	299.5	306.0	334.4	409.3	531.9	728.2	1141.3	2232.3	2939.9	3486.0	3714.5
52.5°	238.9	240.1	258.2	317.6	410.6	608.1	990.3	2134.2	3088.3	3794.6	4238.7
55°	197.5	197.5	207.9	244.0	315.0	462.2	813.4	1971.5	3106.4	4135.4	4810.7
56°	189.8	187.2	196.2	227.2	284.0	417.0	730.8	1861.8	3132.2	4292.9	5097.3
57°	179.5	180.8	185.9	207.9	255.6	369.3	639.1	1754.6	3114.2	4422.1	5309.1
58°	174.3	171.7	182.0	196.2	225.9	327.9	575.8	1628.1	3085.8	4527.9	5617.6
59°	166.6	165.3	171.7	184.6	210.5	291.8	498.4	1491.2	3030.2	4664.8	5847.4
60°	164.0	162.7	165.3	175.6	193.7	255.6	439.0	1331.1	2881.8	4805.5	6132.8
61°	156.2	157.5	162.7	169.1	183.3	229.8	395.1	1167.2	2784.9	4924.3	6447.8
62°	157.5	154.9	157.5	162.7	173.0	211.7	346.0	1005.8	2611.9	5058.6	6684.1
63°	149.8	148.5	152.4	158.8	164.0	191.1	302.1	868.9	2415.7	5089.6	6884.2
64°	147.2	145.9	147.2	156.2	157.5	179.5	267.3	742.4	2131.6	5142.5	7141.1
65°	140.7	140.7	143.3	147.2	152.4	169.1	238.9	644.3	1848.9	5003.1	7219.9
66°	135.6	136.9	136.9	143.3	147.2	157.5	219.5	547.4	1577.7	4781.0	7296.1
67°	131.7	131.7	133.0	138.1	142.0	148.5	197.5	473.8	1331.1	4516.3	7178.6
67.5°	129.1	130.4	130.4	135.6	139.4	148.5	188.5	449.3	1190.4	4225.8	7090.8
68°	125.2	126.5	126.5	131.7	135.6	143.3	182.0	410.6	1097.4	4037.3	6928.1
69°	122.7	121.4	121.4	126.5	131.7	136.9	169.1	358.9	872.8	3510.5	6690.5
70°	114.9	114.9	117.5	121.4	125.2	130.4	156.2	316.3	738.5	2906.3	6078.6
71°	111.0	109.7	111.0	114.9	118.8	125.2	143.3	280.2	604.2	2413.1	5476.9
72°	103.3	105.9	105.9	109.7	113.6	117.5	134.3	244.0	507.4	1928.9	4814.6
72.5°	102.0	102.0	103.3	107.2	109.7	116.2	129.1	233.7	463.5	1700.4	4537.0
73°	98.1	98.1	99.4	103.3	105.9	112.3	125.2	210.5	422.2	1513.2	4017.9
74°	94.3	93.0	93.0	98.1	99.4	105.9	117.5	185.9	353.8	1140.1	3225.2
75°	87.8	87.8	89.1	91.7	93.0	98.1	108.5	165.3	298.2	884.4	2522.8



REPORT NUMBER: P676148
CATALOG NUMBER: CCW-SA-2B-750-U-T1

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	80°
77.5°	72.3	73.6	74.9	77.5	77.5	81.3	89.1	114.9	182.0	448.0	1158.1
80°	52.9	55.5	59.4	63.3	62.0	62.0	69.7	82.6	108.5	201.4	444.1
82.5°	42.6	45.2	41.3	46.5	46.5	43.9	50.4	60.7	73.6	99.4	158.8
85°	28.4	29.7	24.5	28.4	27.1	27.1	33.6	36.2	45.2	55.5	78.8
87.5°	12.9	12.9	10.3	11.6	11.6	11.6	16.8	12.9	19.4	27.1	46.5
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: P676148

CATALOG NUMBER: CCW-SA-2B-750-U-T1

CANDELA DISTRIBUTION (continued):

	85°	87.5°	90°	92°	92.5°	95°	100°	105°	110°	115°	125°
0°	1100.0	1100.0	1100.0	1100.0	1100.0	1100.0	1100.0	1100.0	1100.0	1100.0	1100.0
2.5°	1102.6	1107.8	1107.8	1102.6	1098.7	1102.6	1100.0	1093.6	1100.0	1102.6	1103.9
5°	1118.1	1107.8	1112.9	1101.3	1109.1	1107.8	1105.2	1111.6	1112.9	1112.9	1122.0
7.5°	1134.9	1147.8	1131.0	1132.3	1136.2	1120.7	1125.8	1128.4	1123.3	1133.6	1141.3
10°	1164.6	1169.7	1164.6	1145.2	1158.1	1147.8	1143.9	1155.5	1153.0	1155.5	1167.2
12.5°	1191.7	1200.7	1186.5	1185.2	1178.8	1169.7	1174.9	1173.6	1191.7	1194.3	1208.5
15°	1247.2	1224.0	1218.8	1217.5	1214.9	1211.1	1213.6	1214.9	1238.2	1242.0	1275.6
17.5°	1295.0	1291.1	1262.7	1273.0	1273.0	1257.5	1251.1	1273.0	1291.1	1310.5	1333.7
20°	1344.0	1340.2	1309.2	1310.5	1298.9	1313.1	1305.3	1326.0	1357.0	1363.4	1384.1
22.5°	1402.1	1385.4	1363.4	1366.0	1369.9	1359.5	1354.4	1382.8	1413.8	1431.8	1433.1
25°	1493.8	1451.2	1433.1	1435.7	1430.6	1422.8	1426.7	1462.8	1478.3	1517.1	1509.3
27.5°	1542.9	1518.3	1505.4	1475.7	1477.0	1465.4	1480.9	1535.1	1566.1	1595.8	1536.4
30°	1602.3	1586.8	1530.0	1519.6	1518.3	1513.2	1541.6	1611.3	1657.8	1674.6	1589.4
32.5°	1718.5	1656.5	1642.3	1633.3	1612.6	1619.1	1633.3	1724.9	1798.5	1794.6	1638.4
35°	1851.5	1808.8	1768.8	1761.1	1758.5	1740.4	1765.0	1872.1	1928.9	1912.1	1656.5
37.5°	2064.5	1999.9	1945.7	1916.0	1910.8	1897.9	1956.0	2041.2	2114.8	2049.0	1670.7
40°	2169.1	2096.8	2046.4	2028.3	2032.2	2050.3	2107.1	2237.5	2269.8	2148.4	1682.3
42.5°	2318.8	2240.1	2140.7	2131.6	2120.0	2129.0	2238.8	2414.4	2441.5	2282.7	1638.4
45°	2584.8	2466.0	2351.1	2299.5	2302.1	2326.6	2497.0	2689.4	2639.0	2375.6	1568.7
47.5°	2920.5	2746.2	2653.2	2583.5	2617.1	2590.0	2861.1	3014.7	2843.0	2493.1	1483.5
50°	3425.3	3181.3	3054.8	2970.8	2985.1	3008.3	3283.3	3413.7	3069.0	2549.9	1353.1
52.5°	4061.8	3748.1	3562.2	3449.9	3460.2	3510.5	3865.6	3825.6	3327.2	2597.7	1178.8
55°	4823.6	4500.8	4140.6	4094.1	4082.5	4202.6	4593.8	4256.8	3559.6	2521.5	998.0
56°	5226.4	4883.0	4508.6	4413.0	4384.6	4468.5	4928.2	4472.4	3639.6	2436.3	911.5
57°	5568.6	5240.6	4830.1	4667.4	4703.5	4861.0	5260.0	4675.1	3713.2	2348.5	830.2
58°	6038.5	5664.1	5230.3	5106.3	5074.1	5199.3	5617.6	4879.1	3737.8	2258.2	755.3
59°	6507.2	6057.9	5666.7	5440.7	5449.8	5678.3	5970.1	5121.8	3775.2	2143.2	659.8
60°	6863.6	6637.6	6114.7	5945.6	5922.3	6252.9	6321.3	5284.5	3815.2	1988.3	592.6
61°	7368.4	7074.0	6587.3	6369.1	6432.3	6697.0	6700.9	5488.5	3755.8	1792.1	510.0
62°	7731.2	7653.7	7142.4	6934.6	6915.2	7266.4	7096.0	5668.0	3704.2	1606.1	450.6
63°	8156.0	8156.0	7689.9	7527.2	7536.2	7813.8	7267.7	5847.4	3644.8	1400.9	396.4
64°	8376.7	8654.3	8224.4	7995.9	8055.2	8295.4	7573.7	5964.9	3461.5	1193.0	348.6
65°	8567.8	8984.8	8746.0	8640.1	8549.7	8691.8	7838.3	6074.7	3181.3	1014.8	309.9
66°	8729.2	9296.0	9217.2	9103.6	9094.6	9062.3	7890.0	6070.8	2892.1	857.3	271.1
67°	8647.9	9302.5	9445.8	9493.5	9479.3	9138.5	7799.6	5932.7	2521.5	724.3	241.4
67.5°	8574.3	9249.5	9582.6	9555.5	9614.9	9203.0	7815.1	5763.5	2258.2	655.9	227.2
68°	8509.7	9178.5	9638.2	9673.0	9643.3	9210.8	7729.9	5629.2	2078.7	615.9	214.3
69°	8020.4	8841.5	9549.1	9674.3	9598.1	8915.1	7458.8	5279.4	1651.3	525.5	197.5
70°	7529.8	8405.1	9116.5	9346.4	9252.1	8343.2	7116.6	4722.9	1362.1	449.3	178.2
71°	6850.6	7594.3	8540.7	8678.9	8565.2	7692.4	6409.1	4135.4	1060.0	380.9	158.8
72°	5928.8	6560.1	7463.9	7798.3	7630.5	6756.4	5693.8	3417.6	858.6	320.2	144.6
72.5°	5471.7	6118.6	6990.1	7017.2	7049.5	6349.7	5390.4	3001.8	748.8	297.0	140.7
73°	5037.9	5671.9	6425.9	6521.4	6384.5	5664.1	4937.2	2684.2	684.3	271.1	135.6
74°	4082.5	4444.0	5068.9	5161.9	5041.8	4618.3	4034.7	2058.0	544.8	233.7	123.9
75°	3212.3	3411.1	3976.6	3919.8	3740.4	3591.9	3128.4	1572.6	441.6	205.3	114.9



REPORT NUMBER: P676148
 CATALOG NUMBER: CCW-SA-2B-750-U-T1

CANDELA DISTRIBUTION (continued):

	85°	87.5°	90°	92°	92.5°	95°	100°	105°	110°	115°	125°
77.5°	1443.5	1563.5	1657.8	1657.8	1668.1	1591.9	1442.2	721.7	272.4	148.5	94.3
80°	550.0	615.9	636.5	637.8	646.8	670.1	623.6	355.1	161.4	105.9	76.2
82.5°	399.0	557.8	600.4	569.4	572.0	516.4	238.9	157.5	102.0	73.6	55.5
85°	361.5	485.5	513.9	510.0	511.3	477.7	140.7	77.5	59.4	46.5	38.7
87.5°	175.6	171.7	182.0	205.3	200.1	259.5	118.8	38.7	25.8	19.4	19.4
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: P676148

CATALOG NUMBER: CCW-SA-2B-750-U-T1

CANDELA DISTRIBUTION (continued):

	135°	145°	155°	165°	175°	180°
0°	1100.0	1100.0	1100.0	1100.0	1100.0	1100.0
2.5°	1093.6	1092.3	1110.4	1092.3	1102.6	1094.9
5°	1106.5	1111.6	1115.5	1123.3	1105.2	1123.3
7.5°	1145.2	1150.4	1151.7	1158.1	1150.4	1149.1
10°	1174.9	1187.8	1195.6	1169.7	1185.2	1183.9
12.5°	1233.0	1220.1	1218.8	1213.6	1199.4	1194.3
15°	1274.3	1255.0	1243.3	1222.7	1205.9	1199.4
17.5°	1332.4	1295.0	1247.2	1204.6	1174.9	1151.7
20°	1368.6	1301.4	1205.9	1155.5	1110.4	1120.7
22.5°	1391.8	1295.0	1168.5	1103.9	1058.7	1071.6
25°	1399.6	1262.7	1142.6	1062.6	1018.7	1009.6
27.5°	1377.6	1225.3	1092.3	1001.9	963.2	970.9
30°	1367.3	1171.0	1045.8	956.7	905.1	912.8
32.5°	1340.2	1115.5	983.8	893.4	856.0	843.1
35°	1301.4	1069.0	924.4	839.2	794.0	783.7
37.5°	1253.7	1010.9	872.8	769.5	729.5	721.7
40°	1182.7	941.2	797.9	708.8	662.3	661.0
42.5°	1120.7	874.1	728.2	636.5	590.0	592.6
45°	1041.9	783.7	648.1	569.4	522.9	525.5
47.5°	941.2	699.8	572.0	484.2	445.4	442.9
50°	822.4	604.2	479.0	404.1	371.8	365.4
52.5°	708.8	507.4	392.5	325.4	298.2	295.7
55°	565.5	395.1	306.0	255.6	235.0	236.3
56°	513.9	364.1	278.9	233.7	218.2	218.2
57°	464.8	322.8	253.1	215.6	201.4	201.4
58°	410.6	284.0	229.8	195.0	188.5	183.3
59°	373.1	258.2	207.9	184.6	174.3	173.0
60°	329.2	232.4	193.7	173.0	165.3	164.0
61°	291.8	209.2	178.2	161.4	158.8	158.8
62°	260.8	193.7	165.3	156.2	154.9	151.1
63°	233.7	178.2	158.8	148.5	144.6	148.5
64°	209.2	164.0	153.6	145.9	140.7	143.3
65°	189.8	157.5	147.2	142.0	136.9	138.1
66°	176.9	147.2	142.0	135.6	133.0	134.3
67°	160.1	142.0	136.9	130.4	129.1	130.4
67.5°	154.9	138.1	134.3	127.8	126.5	127.8
68°	151.1	135.6	133.0	126.5	125.2	123.9
69°	140.7	130.4	126.5	123.9	121.4	120.1
70°	131.7	125.2	122.7	118.8	116.2	114.9
71°	126.5	118.8	117.5	113.6	111.0	109.7
72°	120.1	114.9	112.3	107.2	105.9	107.2
72.5°	118.8	112.3	111.0	105.9	104.6	104.6
73°	114.9	107.2	108.5	103.3	100.7	103.3
74°	107.2	104.6	102.0	98.1	96.8	96.8
75°	100.7	98.1	95.5	93.0	93.0	93.0



REPORT NUMBER: P676148
CATALOG NUMBER: CCW-SA-2B-750-U-T1

CANDELA DISTRIBUTION (continued):

	135°	145°	155°	165°	175°	180°
77.5°	85.2	83.9	85.2	80.0	78.8	77.5
80°	68.4	68.4	69.7	65.8	63.3	62.0
82.5°	51.6	52.9	55.5	51.6	49.1	46.5
85°	33.6	34.9	34.9	31.0	36.2	33.6
87.5°	16.8	18.1	16.8	15.5	18.1	18.1
90°	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)