

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: P676094

Luminaire Tested: **CCW-SA-2C-722-U-T1**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P676094
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-2C-722-U-T1
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @615mA w/
T1 distribution lens
Light Source: (32) 2200K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

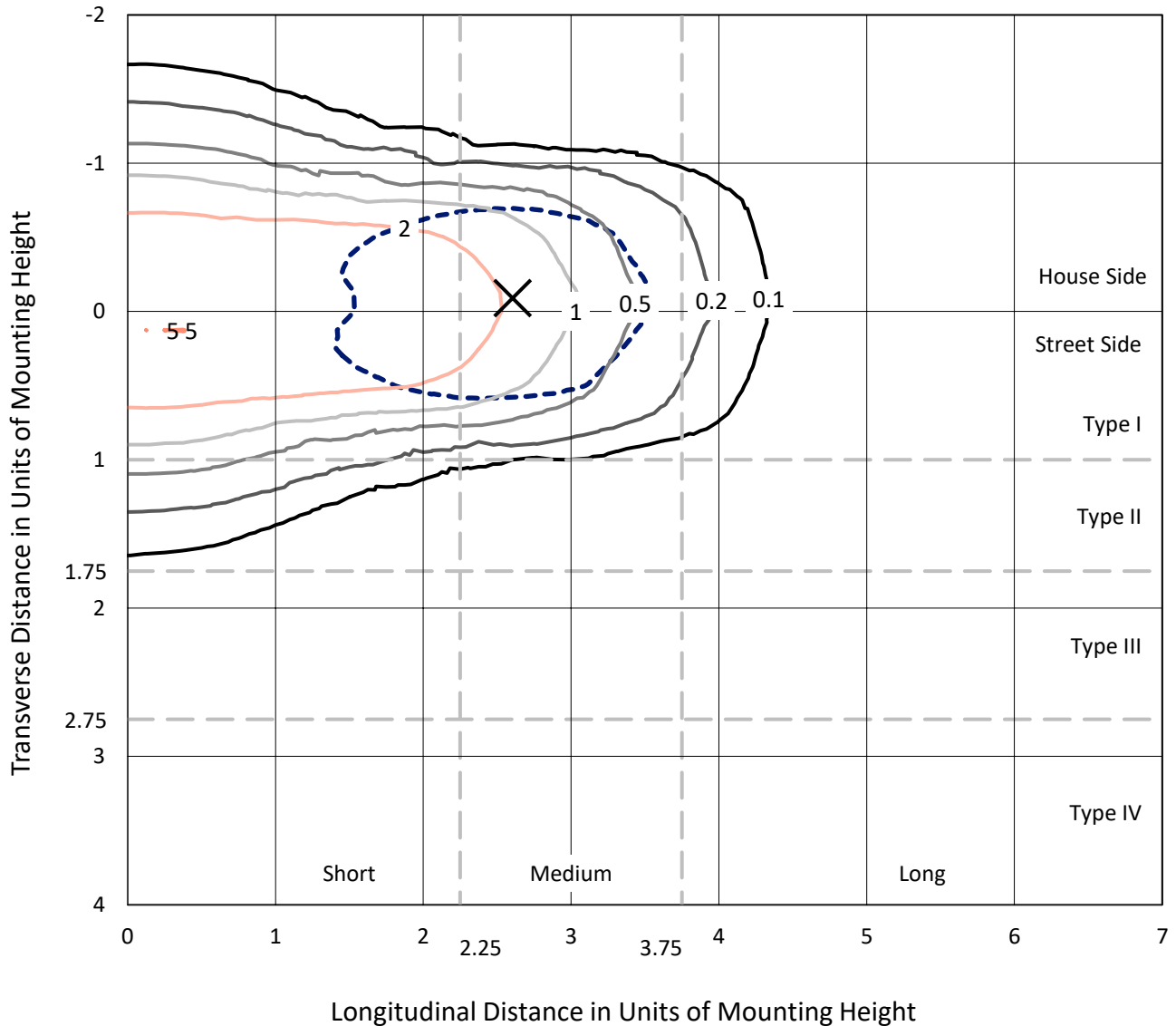
Lumens per Lamp: N/A
Luminaire Lumens: 6485.4 lumens
Efficiency: N/A
Efficacy: 104.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B3 - U0 - G3

Input Watts (W): 62.1
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: P676094
 CATALOG NUMBER: CCW-SA-2C-722-U-T1

Iso-Footcandle Lines of Horizontal Illumination

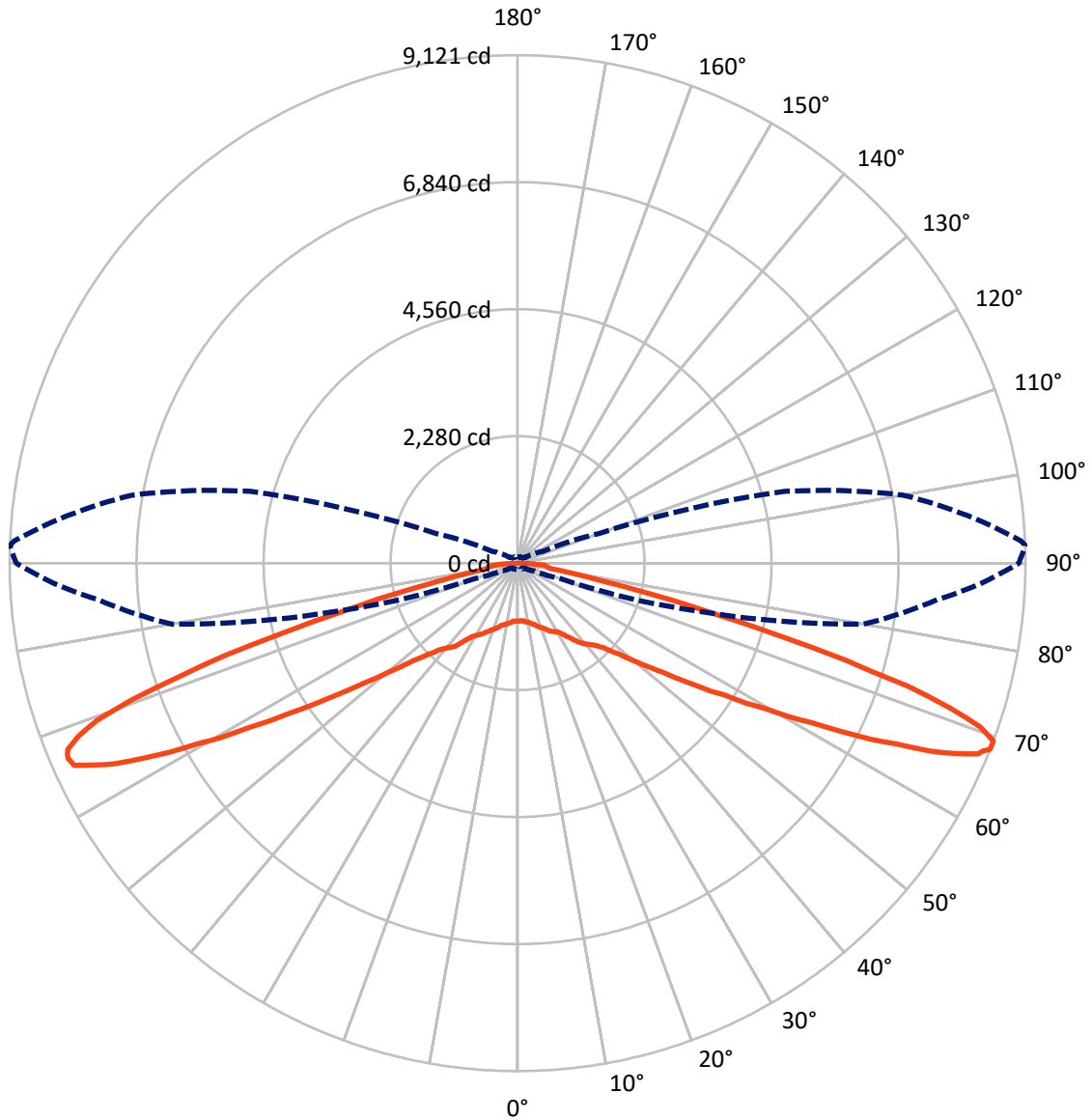
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 5 fc
 Type I - Short - N/A

REPORT NUMBER: P676094
CATALOG NUMBER: CCW-SA-2C-722-U-T1

Luminous Intensity Polar Plot



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

REPORT NUMBER: P676094
 CATALOG NUMBER: CCW-SA-2C-722-U-T1

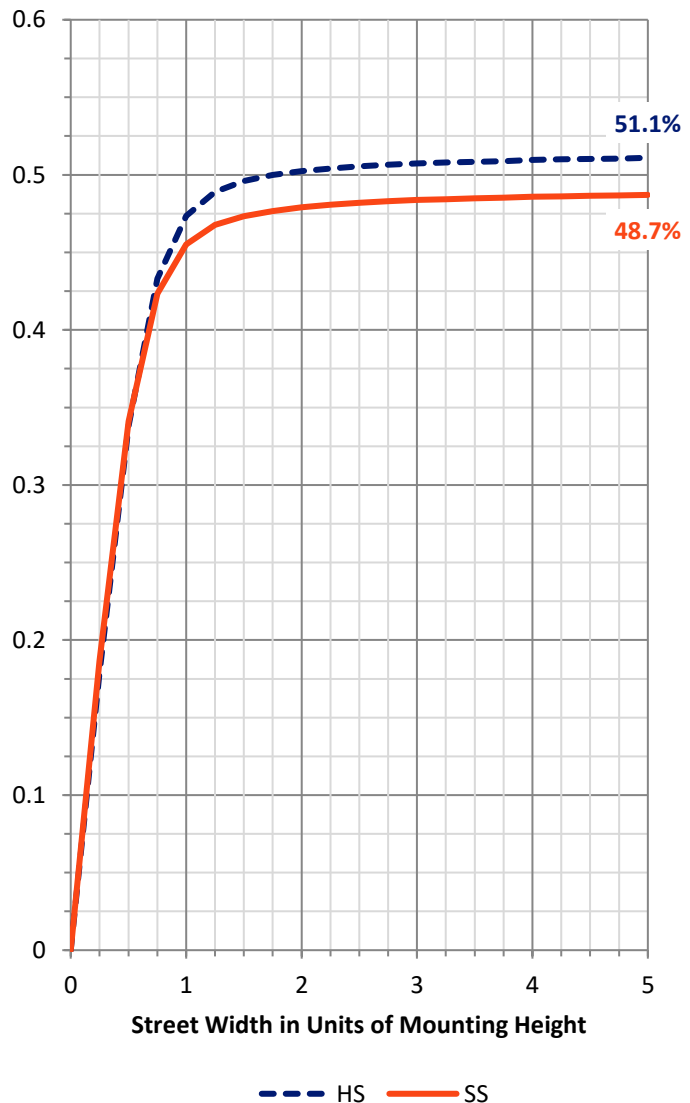
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3339.9	0.0	3339.9
	% Fixture	51.5	0.0	51.5
Street Side	Lumens	3145.5	0.0	3145.5
	% Fixture	48.5	0.0	48.5
Total	Lumens	6485.4	0.0	6485.4
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	103.9	1.6
10°-20°	336.4	5.2
20°-30°	574.1	8.9
30°-40°	801.7	12.4
40°-50°	1019.7	15.7
50°-60°	1289.4	19.9
60°-70°	1590.1	24.5
70°-80°	694.6	10.7
80°-90°	75.3	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°	6485.4	100.0
0°-180°	6485.4	100.0



REPORT NUMBER: P676094

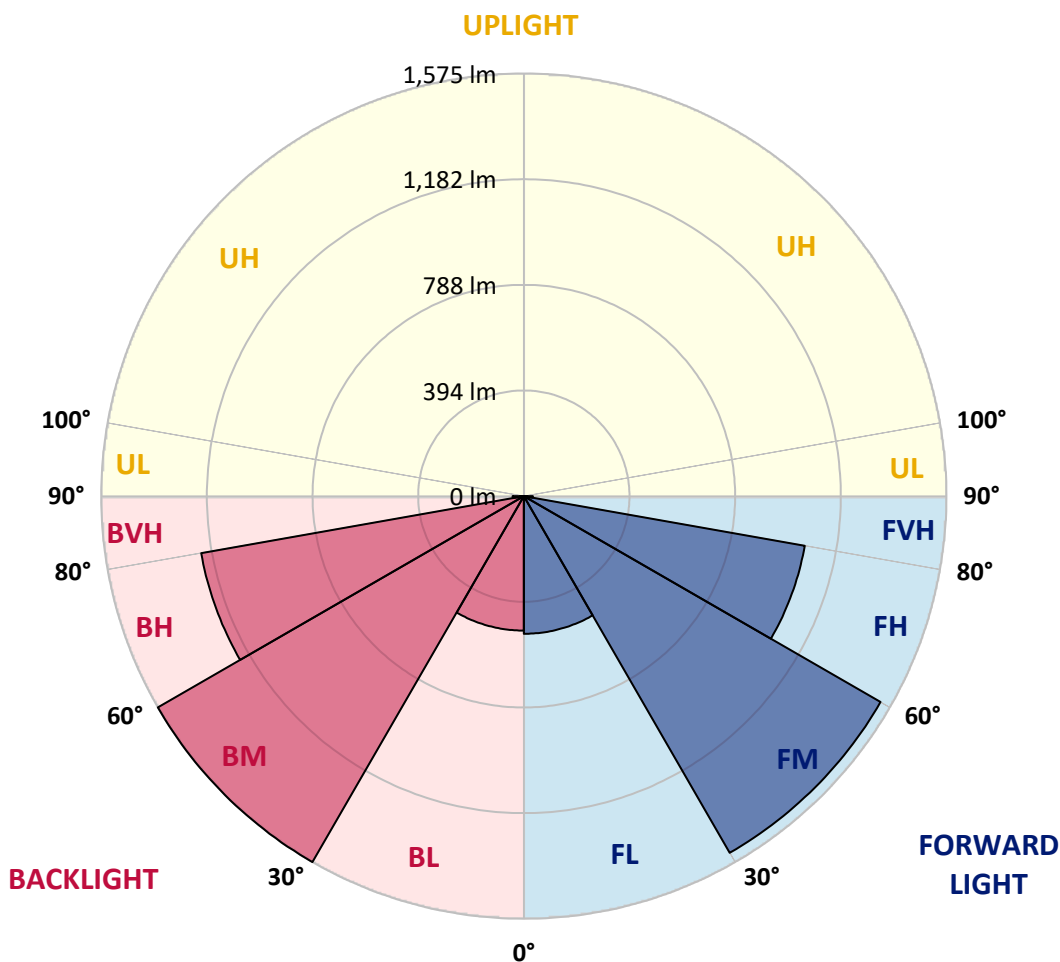
CATALOG NUMBER: CCW-SA-2C-722-U-T1

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	513.3	7.9			
FM (30°-60°)	1535.4	23.7			
FH (60°-80°)	1063.5	16.4			G1/1800
FVH (80°-90°)	33.4	0.5			G1/100
BL (0°-30°)	501.2	7.7	B2/1000		
BM (30°-60°)	1575.4	24.3	B2/2500		
BH (60°-80°)	1221.3	18.8	B3/2500		G3/2500
BVH (80°-90°)	41.9	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: P676094
 CATALOG NUMBER: CCW-SA-2C-722-U-T1

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	80°
0°	1037.1	1037.1	1037.1	1037.1	1037.1	1037.1	1037.1	1037.1	1037.1	1037.1	1037.1
2.5°	1059.0	1057.8	1061.4	1063.8	1052.9	1056.5	1054.1	1051.7	1043.1	1039.5	1032.2
5°	1088.2	1091.8	1104.0	1093.1	1097.9	1091.8	1072.4	1078.4	1067.5	1065.1	1057.8
7.5°	1139.3	1132.0	1149.0	1136.9	1140.5	1128.4	1119.8	1108.9	1106.4	1089.4	1090.6
10°	1150.3	1164.9	1172.2	1169.7	1172.2	1178.3	1162.4	1145.4	1122.3	1117.4	1100.4
12.5°	1143.0	1156.3	1175.8	1191.6	1202.6	1205.0	1198.9	1195.3	1185.6	1157.6	1156.3
15°	1135.7	1125.9	1138.1	1192.9	1229.4	1253.7	1262.2	1241.6	1244.0	1207.5	1192.9
17.5°	1087.0	1072.4	1119.8	1173.4	1218.4	1272.0	1313.4	1307.3	1307.3	1278.1	1257.4
20°	1022.5	1046.8	1071.1	1139.3	1222.1	1302.4	1381.5	1377.9	1363.3	1354.8	1309.7
22.5°	967.7	978.6	1023.7	1095.5	1198.9	1310.9	1404.7	1471.6	1437.5	1403.4	1376.7
25°	929.9	920.2	977.4	1051.7	1177.0	1296.3	1448.5	1517.9	1536.1	1510.6	1459.4
27.5°	876.4	876.4	921.4	992.0	1106.4	1289.0	1491.1	1597.0	1623.8	1586.0	1511.8
30°	815.5	822.8	861.8	942.1	1054.1	1235.5	1508.1	1688.3	1710.2	1677.3	1600.6
32.5°	768.1	768.1	811.9	897.1	1017.6	1211.1	1497.2	1778.3	1819.7	1795.4	1716.3
35°	716.9	713.3	744.9	838.7	959.2	1163.7	1493.5	1850.2	1942.7	1943.9	1861.1
37.5°	643.9	658.5	698.7	772.9	912.9	1117.4	1482.6	1936.6	2102.1	2130.1	2072.9
40°	595.2	601.3	637.8	719.4	841.1	1062.6	1466.7	2007.2	2208.0	2304.2	2225.1
42.5°	524.6	533.1	561.1	662.2	771.7	984.7	1397.4	2057.1	2358.9	2468.5	2401.6
45°	450.4	455.2	496.6	579.4	697.5	892.2	1323.1	2137.4	2505.0	2729.0	2690.0
47.5°	361.5	363.9	399.2	485.7	608.6	799.7	1208.7	2133.8	2623.1	2989.5	3099.0
50°	282.4	288.5	315.3	385.9	501.5	686.5	1076.0	2104.6	2771.6	3286.5	3501.9
52.5°	225.2	226.4	243.4	299.4	387.1	573.3	933.6	2012.0	2911.6	3577.4	3996.1
55°	186.2	186.2	196.0	230.1	297.0	435.8	766.8	1858.7	2928.6	3898.7	4535.3
56°	178.9	176.5	185.0	214.2	267.8	393.2	688.9	1755.2	2952.9	4047.2	4805.5
57°	169.2	170.4	175.3	196.0	241.0	348.1	602.5	1654.2	2935.9	4168.9	5005.2
58°	164.3	161.9	171.6	185.0	213.0	309.2	542.9	1534.9	2909.1	4268.7	5296.1
59°	157.0	155.8	161.9	174.1	198.4	275.1	469.8	1405.9	2856.8	4397.8	5512.7
60°	154.6	153.4	155.8	165.5	182.6	241.0	413.9	1254.9	2716.8	4530.4	5781.7
61°	147.3	148.5	153.4	159.5	172.8	216.7	372.5	1100.4	2625.5	4642.4	6078.7
62°	148.5	146.1	148.5	153.4	163.1	199.6	326.2	948.2	2462.4	4769.0	6301.5
63°	141.2	140.0	143.6	149.7	154.6	180.1	284.8	819.2	2277.4	4798.2	6490.2
64°	138.8	137.5	138.8	147.3	148.5	169.2	252.0	699.9	2009.6	4848.1	6732.4
65°	132.7	132.7	135.1	138.8	143.6	159.5	225.2	607.4	1743.0	4716.7	6806.6
66°	127.8	129.0	129.0	135.1	138.8	148.5	206.9	516.1	1487.4	4507.3	6878.4
67°	124.2	124.2	125.4	130.2	133.9	140.0	186.2	446.7	1254.9	4257.8	6767.7
67.5°	121.7	122.9	122.9	127.8	131.5	140.0	177.7	423.6	1122.3	3983.9	6684.9
68°	118.1	119.3	119.3	124.2	127.8	135.1	171.6	387.1	1034.6	3806.2	6531.5
69°	115.6	114.4	114.4	119.3	124.2	129.0	159.5	338.4	822.8	3309.6	6307.6
70°	108.3	108.3	110.8	114.4	118.1	122.9	147.3	298.2	696.2	2739.9	5730.6
71°	104.7	103.5	104.7	108.3	112.0	118.1	135.1	264.1	569.7	2275.0	5163.4
72°	97.4	99.8	99.8	103.5	107.1	110.8	126.6	230.1	478.4	1818.5	4539.0
72.5°	96.2	96.2	97.4	101.0	103.5	109.5	121.7	220.3	437.0	1603.1	4277.3
73°	92.5	92.5	93.7	97.4	99.8	105.9	118.1	198.4	398.0	1426.6	3788.0
74°	88.9	87.6	87.6	92.5	93.7	99.8	110.8	175.3	333.5	1074.8	3040.6
75°	82.8	82.8	84.0	86.4	87.6	92.5	102.2	155.8	281.2	833.8	2378.4



REPORT NUMBER: P676094
 CATALOG NUMBER: CCW-SA-2C-722-U-T1

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	80°
77.5°	68.2	69.4	70.6	73.0	73.0	76.7	84.0	108.3	171.6	422.4	1091.8
80°	49.9	52.3	56.0	59.6	58.4	58.4	65.7	77.9	102.2	189.9	418.7
82.5°	40.2	42.6	39.0	43.8	43.8	41.4	47.5	57.2	69.4	93.7	149.7
85°	26.8	28.0	23.1	26.8	25.6	25.6	31.6	34.1	42.6	52.3	74.2
87.5°	12.2	12.2	9.7	11.0	11.0	11.0	15.8	12.2	18.3	25.6	43.8
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: P676094

CATALOG NUMBER: CCW-SA-2C-722-U-T1

CANDELA DISTRIBUTION (continued):

	85°	87.5°	90°	92°	92.5°	95°	100°	105°	110°	115°	125°
0°	1037.1	1037.1	1037.1	1037.1	1037.1	1037.1	1037.1	1037.1	1037.1	1037.1	1037.1
2.5°	1039.5	1044.4	1044.4	1039.5	1035.8	1039.5	1037.1	1031.0	1037.1	1039.5	1040.7
5°	1054.1	1044.4	1049.2	1038.3	1045.6	1044.4	1041.9	1048.0	1049.2	1049.2	1057.8
7.5°	1069.9	1082.1	1066.3	1067.5	1071.1	1056.5	1061.4	1063.8	1059.0	1068.7	1076.0
10°	1097.9	1102.8	1097.9	1079.7	1091.8	1082.1	1078.4	1089.4	1087.0	1089.4	1100.4
12.5°	1123.5	1132.0	1118.6	1117.4	1111.3	1102.8	1107.7	1106.4	1123.5	1125.9	1139.3
15°	1175.8	1153.9	1149.0	1147.8	1145.4	1141.7	1144.2	1145.4	1167.3	1171.0	1202.6
17.5°	1220.9	1217.2	1190.4	1200.2	1200.2	1185.6	1179.5	1200.2	1217.2	1235.5	1257.4
20°	1267.1	1263.5	1234.2	1235.5	1224.5	1237.9	1230.6	1250.1	1279.3	1285.4	1304.8
22.5°	1321.9	1306.1	1285.4	1287.8	1291.5	1281.7	1276.9	1303.6	1332.8	1349.9	1351.1
25°	1408.3	1368.1	1351.1	1353.5	1348.7	1341.4	1345.0	1379.1	1393.7	1430.2	1422.9
27.5°	1454.6	1431.4	1419.3	1391.3	1392.5	1381.5	1396.1	1447.3	1476.5	1504.5	1448.5
30°	1510.6	1495.9	1442.4	1432.7	1431.4	1426.6	1453.3	1519.1	1562.9	1578.7	1498.4
32.5°	1620.1	1561.7	1548.3	1539.8	1520.3	1526.4	1539.8	1626.2	1695.6	1691.9	1544.6
35°	1745.5	1705.3	1667.6	1660.3	1657.8	1640.8	1663.9	1765.0	1818.5	1802.7	1561.7
37.5°	1946.3	1885.5	1834.3	1806.3	1801.5	1789.3	1844.1	1924.4	1993.8	1931.7	1575.1
40°	2044.9	1976.7	1929.3	1912.2	1915.9	1932.9	1986.5	2109.4	2139.9	2025.4	1586.0
42.5°	2186.1	2111.9	2018.1	2009.6	1998.7	2007.2	2110.6	2276.2	2301.7	2152.0	1544.6
45°	2436.8	2324.9	2216.5	2167.8	2170.3	2193.4	2354.1	2535.4	2488.0	2239.7	1478.9
47.5°	2753.3	2589.0	2501.4	2435.6	2467.3	2441.7	2697.3	2842.2	2680.3	2350.4	1398.6
50°	3229.3	2999.2	2879.9	2800.8	2814.2	2836.1	3095.4	3218.3	2893.3	2404.0	1275.6
52.5°	3829.3	3533.6	3358.3	3252.4	3262.1	3309.6	3644.3	3606.6	3136.7	2449.0	1111.3
55°	4547.5	4243.2	3903.6	3859.8	3848.8	3962.0	4330.8	4013.1	3355.8	2377.2	940.9
56°	4927.3	4603.5	4250.5	4160.4	4133.6	4212.8	4646.1	4216.4	3431.3	2296.9	859.3
57°	5249.8	4940.6	4553.6	4400.2	4434.3	4582.8	4958.9	4407.5	3500.7	2214.1	782.7
58°	5692.9	5339.9	4930.9	4814.1	4783.6	4901.7	5296.1	4599.8	3523.8	2128.9	712.1
59°	6134.7	5711.1	5342.3	5129.3	5137.8	5353.3	5628.4	4828.7	3559.1	2020.6	622.0
60°	6470.7	6257.7	5764.7	5605.2	5583.3	5894.9	5959.4	4982.0	3596.8	1874.5	558.7
61°	6946.6	6669.1	6210.2	6004.5	6064.1	6313.7	6317.3	5174.3	3540.9	1689.5	480.8
62°	7288.6	7215.6	6733.6	6537.6	6519.4	6850.4	6689.8	5343.5	3492.2	1514.2	424.8
63°	7689.1	7689.1	7249.7	7096.3	7104.8	7366.5	6851.7	5512.7	3436.2	1320.7	373.7
64°	7897.2	8158.9	7753.6	7538.2	7594.2	7820.6	7140.1	5623.5	3263.3	1124.7	328.6
65°	8077.4	8470.5	8245.4	8145.6	8060.3	8194.2	7389.7	5727.0	2999.2	956.7	292.1
66°	8229.5	8763.9	8689.6	8582.5	8574.0	8543.6	7438.4	5723.3	2726.5	808.2	255.6
67°	8152.9	8770.0	8905.1	8950.1	8936.7	8615.4	7353.2	5593.1	2377.2	682.9	227.6
67.5°	8083.5	8720.1	9034.1	9008.6	9064.5	8676.3	7367.8	5433.6	2128.9	618.3	214.2
68°	8022.6	8653.1	9086.5	9119.3	9091.3	8683.6	7287.4	5307.0	1959.7	580.6	202.1
69°	7561.3	8335.4	9002.5	9120.5	9048.7	8404.8	7031.8	4977.2	1556.8	495.4	186.2
70°	7098.8	7924.0	8594.7	8811.4	8722.5	7865.6	6709.2	4452.5	1284.2	423.6	168.0
71°	6458.5	7159.6	8051.8	8182.1	8075.0	7252.1	6042.2	3898.7	999.3	359.1	149.7
72°	5589.4	6184.6	7036.7	7351.9	7193.7	6369.6	5367.9	3221.9	809.4	301.9	136.3
72.5°	5158.5	5768.3	6590.0	6615.5	6646.0	5986.2	5081.8	2830.0	706.0	280.0	132.7
73°	4749.5	5347.2	6058.0	6148.1	6019.1	5339.9	4654.6	2530.6	645.1	255.6	127.8
74°	3848.8	4189.6	4778.8	4866.4	4753.2	4354.0	3803.8	1940.2	513.7	220.3	116.9
75°	3028.4	3215.9	3749.0	3695.4	3526.3	3386.3	2949.3	1482.6	416.3	193.5	108.3



REPORT NUMBER: P676094
 CATALOG NUMBER: CCW-SA-2C-722-U-T1

CANDELA DISTRIBUTION (continued):

	85°	87.5°	90°	92°	92.5°	95°	100°	105°	110°	115°	125°
77.5°	1360.8	1474.0	1562.9	1562.9	1572.6	1500.8	1359.6	680.4	256.8	140.0	88.9
80°	518.5	580.6	600.1	601.3	609.8	631.7	587.9	334.7	152.2	99.8	71.8
82.5°	376.1	525.8	566.0	536.8	539.2	486.9	225.2	148.5	96.2	69.4	52.3
85°	340.8	457.7	484.4	480.8	482.0	450.4	132.7	73.0	56.0	43.8	36.5
87.5°	165.5	161.9	171.6	193.5	188.7	244.7	112.0	36.5	24.3	18.3	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: P676094

CATALOG NUMBER: CCW-SA-2C-722-U-T1

CANDELA DISTRIBUTION (continued):

	135°	145°	155°	165°	175°	180°
0°	1037.1	1037.1	1037.1	1037.1	1037.1	1037.1
2.5°	1031.0	1029.8	1046.8	1029.8	1039.5	1032.2
5°	1043.1	1048.0	1051.7	1059.0	1041.9	1059.0
7.5°	1079.7	1084.5	1085.7	1091.8	1084.5	1083.3
10°	1107.7	1119.8	1127.1	1102.8	1117.4	1116.2
12.5°	1162.4	1150.3	1149.0	1144.2	1130.8	1125.9
15°	1201.4	1183.1	1172.2	1152.7	1136.9	1130.8
17.5°	1256.2	1220.9	1175.8	1135.7	1107.7	1085.7
20°	1290.2	1226.9	1136.9	1089.4	1046.8	1056.5
22.5°	1312.1	1220.9	1101.6	1040.7	998.1	1010.3
25°	1319.5	1190.4	1077.2	1001.8	960.4	951.9
27.5°	1298.8	1155.1	1029.8	944.6	908.0	915.3
30°	1289.0	1104.0	985.9	902.0	853.3	860.6
32.5°	1263.5	1051.7	927.5	842.3	807.0	794.8
35°	1226.9	1007.8	871.5	791.2	748.6	738.8
37.5°	1181.9	953.1	822.8	725.5	687.7	680.4
40°	1115.0	887.3	752.2	668.2	624.4	623.2
42.5°	1056.5	824.0	686.5	600.1	556.3	558.7
45°	982.3	738.8	611.0	536.8	493.0	495.4
47.5°	887.3	659.7	539.2	456.5	419.9	417.5
50°	775.4	569.7	451.6	381.0	350.6	344.5
52.5°	668.2	478.4	370.0	306.7	281.2	278.7
55°	533.1	372.5	288.5	241.0	221.5	222.7
56°	484.4	343.3	262.9	220.3	205.7	205.7
57°	438.2	304.3	238.6	203.3	189.9	189.9
58°	387.1	267.8	216.7	183.8	177.7	172.8
59°	351.8	243.4	196.0	174.1	164.3	163.1
60°	310.4	219.1	182.6	163.1	155.8	154.6
61°	275.1	197.2	168.0	152.2	149.7	149.7
62°	245.9	182.6	155.8	147.3	146.1	142.4
63°	220.3	168.0	149.7	140.0	136.3	140.0
64°	197.2	154.6	144.8	137.5	132.7	135.1
65°	178.9	148.5	138.8	133.9	129.0	130.2
66°	166.8	138.8	133.9	127.8	125.4	126.6
67°	150.9	133.9	129.0	122.9	121.7	122.9
67.5°	146.1	130.2	126.6	120.5	119.3	120.5
68°	142.4	127.8	125.4	119.3	118.1	116.9
69°	132.7	122.9	119.3	116.9	114.4	113.2
70°	124.2	118.1	115.6	112.0	109.5	108.3
71°	119.3	112.0	110.8	107.1	104.7	103.5
72°	113.2	108.3	105.9	101.0	99.8	101.0
72.5°	112.0	105.9	104.7	99.8	98.6	98.6
73°	108.3	101.0	102.2	97.4	94.9	97.4
74°	101.0	98.6	96.2	92.5	91.3	91.3
75°	94.9	92.5	90.1	87.6	87.6	87.6



REPORT NUMBER: P676094
CATALOG NUMBER: CCW-SA-2C-722-U-T1

CANDELA DISTRIBUTION (continued):

	135°	145°	155°	165°	175°	180°
77.5°	80.3	79.1	80.3	75.5	74.2	73.0
80°	64.5	64.5	65.7	62.1	59.6	58.4
82.5°	48.7	49.9	52.3	48.7	46.3	43.8
85°	31.6	32.9	32.9	29.2	34.1	31.6
87.5°	15.8	17.0	15.8	14.6	17.0	17.0
90°	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)