

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: P676122

Luminaire Tested: **CCW-SA-1D-735-U-T1**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P676122
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-1D-735-U-T1
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @800mA w/
T1 distribution lens
Light Source: (16) 3500K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

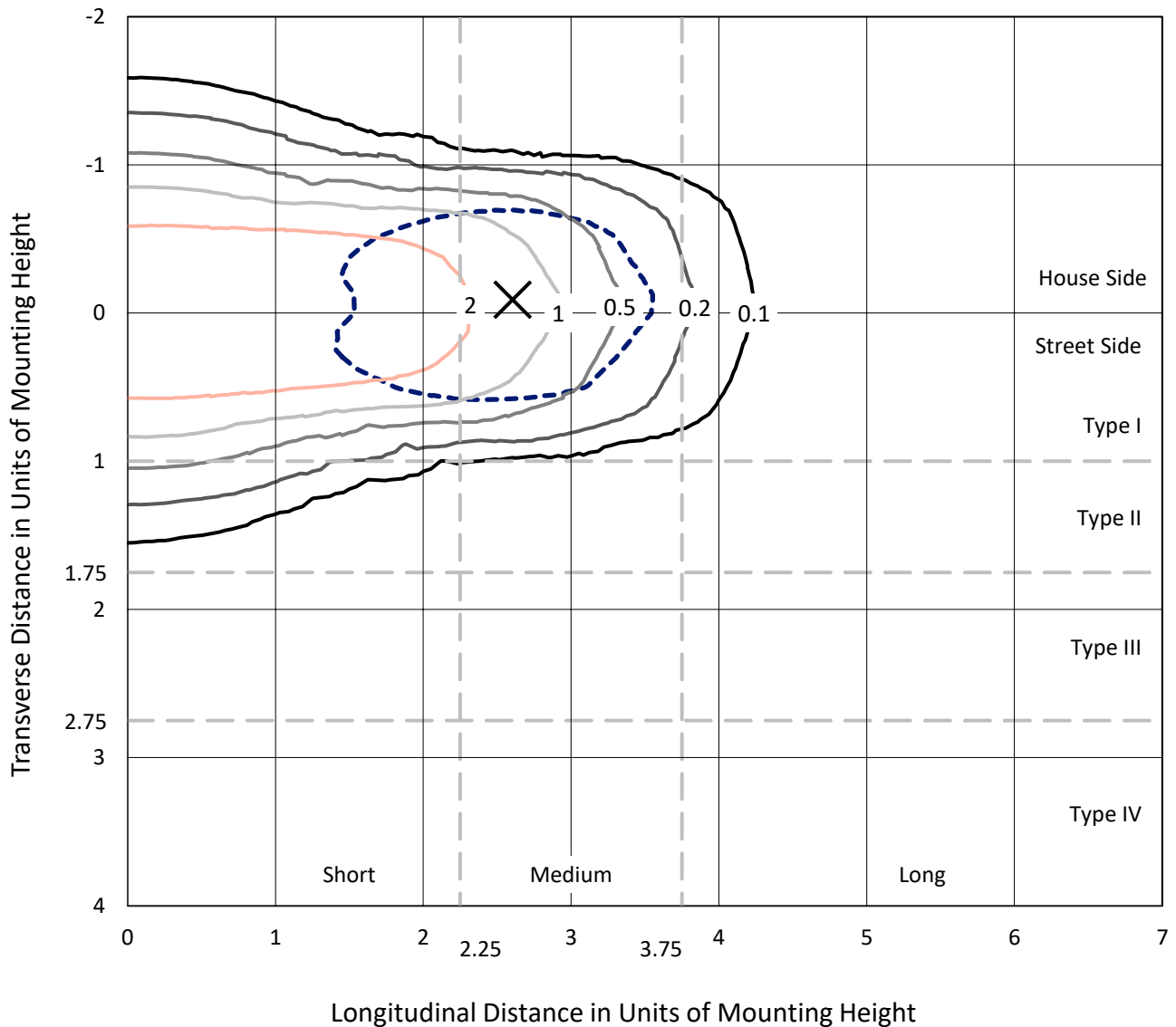
Lumens per Lamp: N/A
Luminaire Lumens: 5356.3 lumens
Efficiency: N/A
Efficacy: 121.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type I - Short
BUG Rating: B3 - U0 - G3

Input Watts (W): 44
Input Voltage (V): 120
Input Current (A_{in}): 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: P676122
 CATALOG NUMBER: CCW-SA-1D-735-U-T1

Iso-Footcandle Lines of Horizontal Illumination

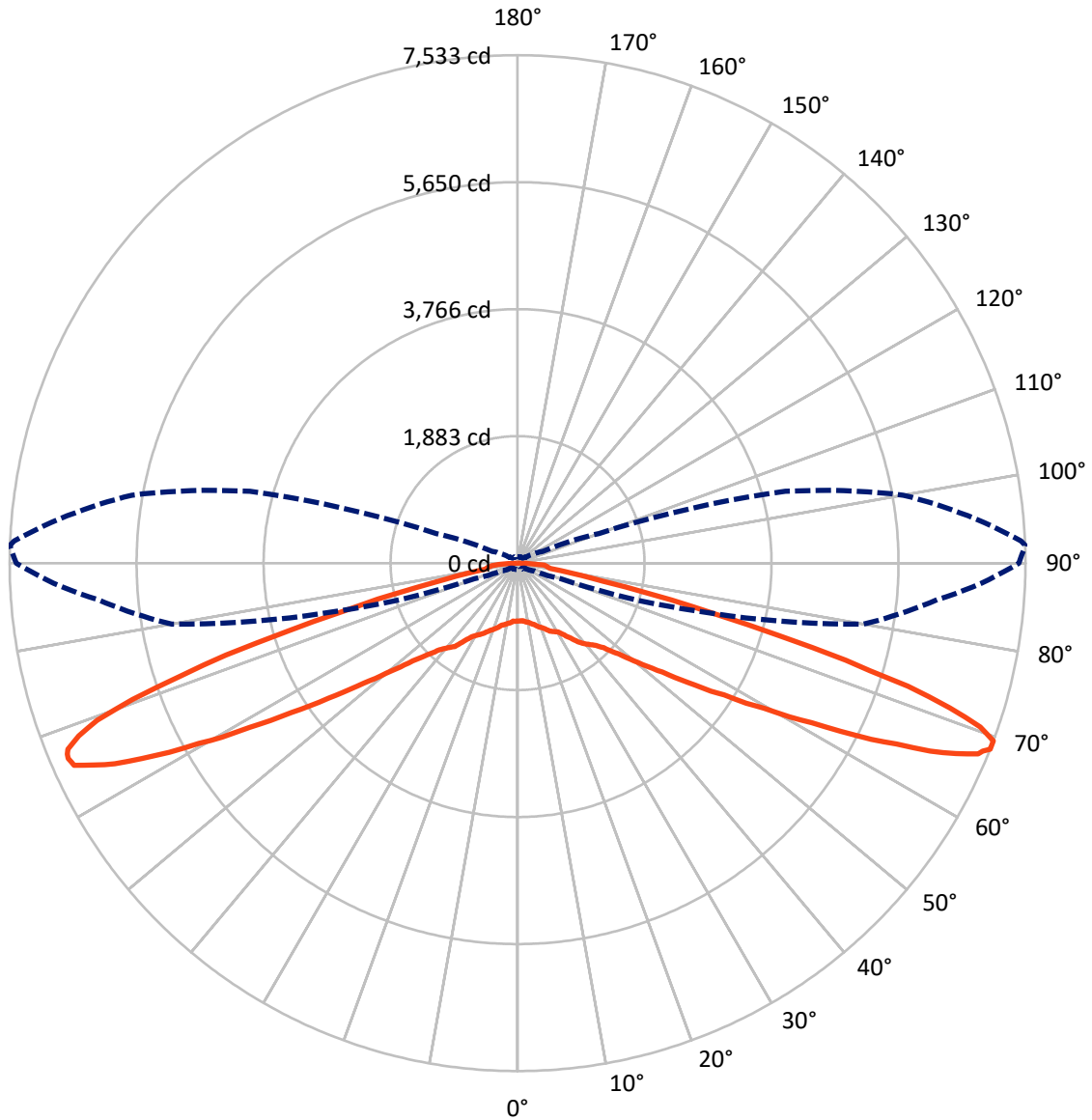
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 4.1 fc
 Type I - Short - N/A

REPORT NUMBER: P676122
CATALOG NUMBER: CCW-SA-1D-735-U-T1

Luminous Intensity Polar Plot



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

REPORT NUMBER: P676122

CATALOG NUMBER: CCW-SA-1D-735-U-T1

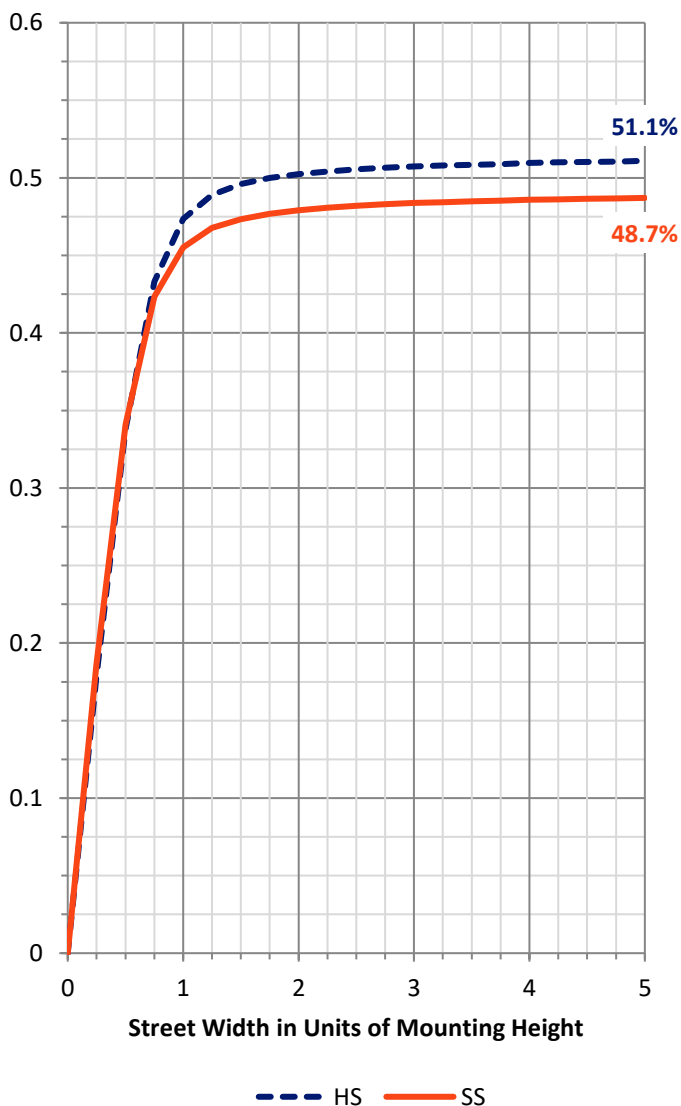
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2758.4	0.0	2758.4
	% Fixture	51.5	0.0	51.5
Street Side	Lumens	2597.9	0.0	2597.9
	% Fixture	48.5	0.0	48.5
Total	Lumens	5356.3	0.0	5356.3
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	85.8	1.6
10°-20°	277.9	5.2
20°-30°	474.2	8.9
30°-40°	662.1	12.4
40°-50°	842.2	15.7
50°-60°	1064.9	19.9
60°-70°	1313.3	24.5
70°-80°	573.7	10.7
80°-90°	62.2	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°	5356.3	100.0
0°-180°	5356.3	100.0



REPORT NUMBER: P676122

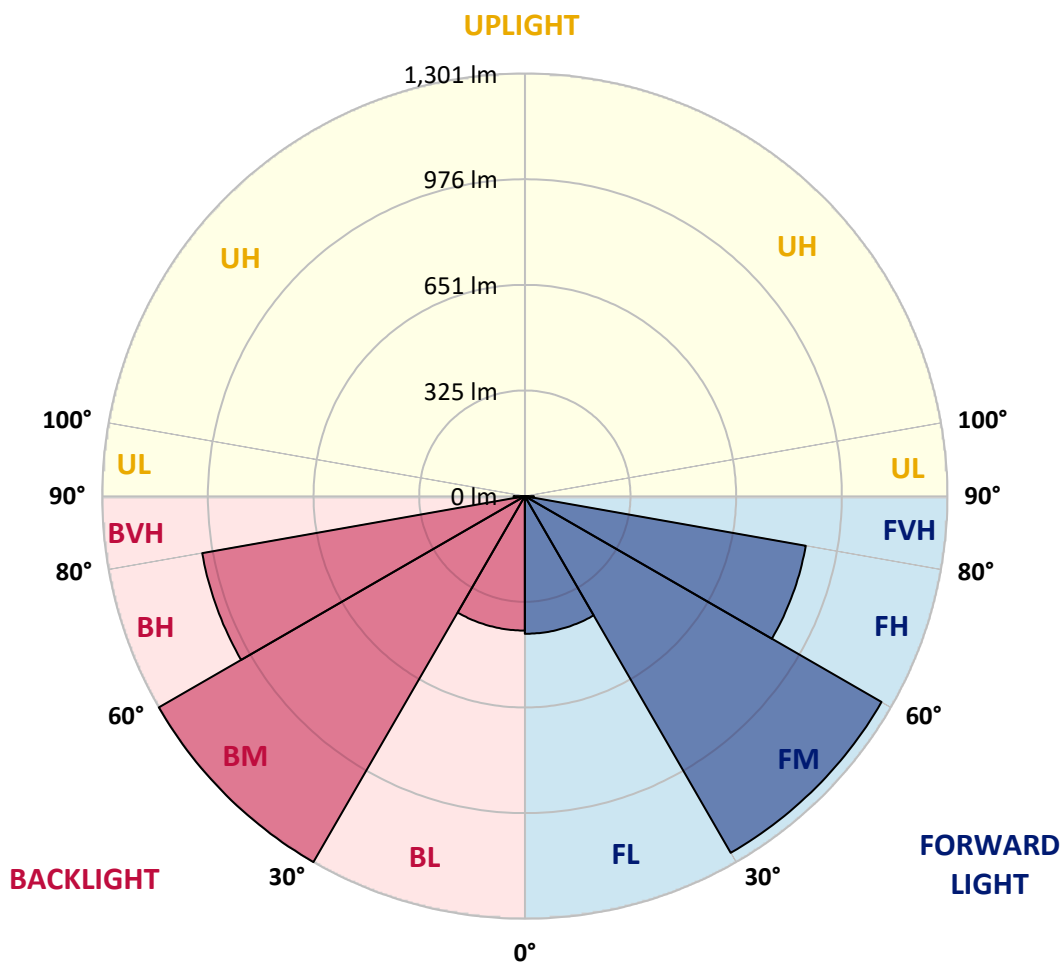
CATALOG NUMBER: CCW-SA-1D-735-U-T1

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	423.9	7.9			
FM (30°-60°)	1268.1	23.7			
FH (60°-80°)	878.3	16.4			G1/1800
FVH (80°-90°)	27.6	0.5			G1/100
BL (0°-30°)	413.9	7.7	B1/500		
BM (30°-60°)	1301.1	24.3	B2/2500		
BH (60°-80°)	1008.7	18.8	B3/2500		G3/2500
BVH (80°-90°)	34.6	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: P676122

CATALOG NUMBER: CCW-SA-1D-735-U-T1

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	80°
0°	856.5	856.5	856.5	856.5	856.5	856.5	856.5	856.5	856.5	856.5	856.5
2.5°	874.6	873.6	876.6	878.6	869.6	872.6	870.6	868.6	861.5	858.5	852.5
5°	898.7	901.7	911.8	902.8	906.8	901.7	885.7	890.7	881.6	879.6	873.6
7.5°	941.0	934.9	949.0	938.9	942.0	931.9	924.9	915.8	913.8	899.7	900.7
10°	950.0	962.1	968.1	966.1	968.1	973.1	960.1	946.0	926.9	922.9	908.8
12.5°	944.0	955.0	971.1	984.2	993.2	995.2	990.2	987.2	979.2	956.0	955.0
15°	937.9	929.9	939.9	985.2	1015.3	1035.5	1042.5	1025.4	1027.4	997.3	985.2
17.5°	897.7	885.7	924.9	969.1	1006.3	1050.5	1084.7	1079.7	1079.7	1055.6	1038.5
20°	844.4	864.6	884.7	941.0	1009.3	1075.7	1141.0	1138.0	1125.9	1118.9	1081.7
22.5°	799.2	808.3	845.5	904.8	990.2	1082.7	1160.1	1215.4	1187.3	1159.1	1137.0
25°	768.0	760.0	807.3	868.6	972.1	1070.6	1196.3	1253.6	1268.7	1247.6	1205.3
27.5°	723.8	723.8	761.0	819.3	913.8	1064.6	1231.5	1318.9	1341.1	1309.9	1248.6
30°	673.5	679.6	711.7	778.1	870.6	1020.4	1245.6	1394.3	1412.4	1385.3	1322.0
32.5°	634.3	634.3	670.5	740.9	840.4	1000.3	1236.5	1468.7	1502.9	1482.8	1417.5
35°	592.1	589.1	615.2	692.6	792.2	961.1	1233.5	1528.0	1604.4	1605.5	1537.1
37.5°	531.8	543.9	577.0	638.4	754.0	922.9	1224.4	1599.4	1736.1	1759.3	1712.0
40°	491.6	496.6	526.8	594.1	694.7	877.6	1211.4	1657.7	1823.6	1903.0	1837.7
42.5°	433.3	440.3	463.4	546.9	637.4	813.3	1154.1	1698.9	1948.3	2038.7	1983.4
45°	372.0	376.0	410.2	478.5	576.0	736.9	1092.8	1765.3	2068.9	2253.9	2221.7
47.5°	298.6	300.6	329.7	401.1	502.6	660.5	998.3	1762.3	2166.4	2469.0	2559.5
50°	233.2	238.3	260.4	318.7	414.2	567.0	888.7	1738.2	2289.1	2714.3	2892.2
52.5°	186.0	187.0	201.1	247.3	319.7	473.5	771.1	1661.7	2404.7	2954.6	3300.4
55°	153.8	153.8	161.9	190.0	245.3	359.9	633.3	1535.1	2418.7	3220.0	3745.7
56°	147.8	145.8	152.8	176.9	221.2	324.7	569.0	1449.6	2438.8	3342.6	3968.9
57°	139.7	140.7	144.8	161.9	199.0	287.5	497.6	1366.2	2424.8	3443.1	4133.8
58°	135.7	133.7	141.7	152.8	175.9	255.3	448.4	1267.7	2402.7	3525.6	4374.0
59°	129.7	128.7	133.7	143.8	163.9	227.2	388.0	1161.1	2359.4	3632.1	4553.0
60°	127.7	126.7	128.7	136.7	150.8	199.0	341.8	1036.5	2243.8	3741.7	4775.1
61°	121.6	122.6	126.7	131.7	142.8	178.9	307.6	908.8	2168.4	3834.2	5020.4
62°	122.6	120.6	122.6	126.7	134.7	164.9	269.4	783.1	2033.7	3938.7	5204.4
63°	116.6	115.6	118.6	123.7	127.7	148.8	235.2	676.6	1880.9	3962.9	5360.2
64°	114.6	113.6	114.6	121.6	122.6	139.7	208.1	578.0	1659.7	4004.1	5560.3
65°	109.6	109.6	111.6	114.6	118.6	131.7	186.0	501.6	1439.6	3895.5	5621.6
66°	105.6	106.6	106.6	111.6	114.6	122.6	170.9	426.2	1228.5	3722.6	5680.9
67°	102.5	102.5	103.5	107.6	110.6	115.6	153.8	368.9	1036.5	3516.5	5589.4
67.5°	100.5	101.5	101.5	105.6	108.6	115.6	146.8	349.8	926.9	3290.3	5521.1
68°	97.5	98.5	98.5	102.5	105.6	111.6	141.7	319.7	854.5	3143.6	5394.4
69°	95.5	94.5	94.5	98.5	102.5	106.6	131.7	279.5	679.6	2733.4	5209.4
70°	89.5	89.5	91.5	94.5	97.5	101.5	121.6	246.3	575.0	2262.9	4732.9
71°	86.5	85.4	86.5	89.5	92.5	97.5	111.6	218.1	470.5	1878.9	4264.5
72°	80.4	82.4	82.4	85.4	88.5	91.5	104.6	190.0	395.1	1501.9	3748.7
72.5°	79.4	79.4	80.4	83.4	85.4	90.5	100.5	182.0	360.9	1324.0	3532.6
73°	76.4	76.4	77.4	80.4	82.4	87.5	97.5	163.9	328.7	1178.2	3128.5
74°	73.4	72.4	72.4	76.4	77.4	82.4	91.5	144.8	275.5	887.7	2511.2
75°	68.4	68.4	69.4	71.4	72.4	76.4	84.4	128.7	232.2	688.6	1964.3



REPORT NUMBER: P676122
CATALOG NUMBER: CCW-SA-1D-735-U-T1

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	80°
77.5°	56.3	57.3	58.3	60.3	60.3	63.3	69.4	89.5	141.7	348.8	901.7
80°	41.2	43.2	46.2	49.3	48.3	48.3	54.3	64.3	84.4	156.8	345.8
82.5°	33.2	35.2	32.2	36.2	36.2	34.2	39.2	47.2	57.3	77.4	123.7
85°	22.1	23.1	19.1	22.1	21.1	21.1	26.1	28.1	35.2	43.2	61.3
87.5°	10.1	10.1	8.0	9.0	9.0	9.0	13.1	10.1	15.1	21.1	36.2
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: P676122

CATALOG NUMBER: CCW-SA-1D-735-U-T1

CANDELA DISTRIBUTION (continued):

	85°	87.5°	90°	92°	92.5°	95°	100°	105°	110°	115°	125°
0°	856.5	856.5	856.5	856.5	856.5	856.5	856.5	856.5	856.5	856.5	856.5
2.5°	858.5	862.5	862.5	858.5	855.5	858.5	856.5	851.5	856.5	858.5	859.5
5°	870.6	862.5	866.6	857.5	863.5	862.5	860.5	865.6	866.6	866.6	873.6
7.5°	883.7	893.7	880.6	881.6	884.7	872.6	876.6	878.6	874.6	882.6	888.7
10°	906.8	910.8	906.8	891.7	901.7	893.7	890.7	899.7	897.7	899.7	908.8
12.5°	927.9	934.9	923.9	922.9	917.8	910.8	914.8	913.8	927.9	929.9	941.0
15°	971.1	953.0	949.0	948.0	946.0	943.0	945.0	946.0	964.1	967.1	993.2
17.5°	1008.3	1005.3	983.2	991.2	991.2	979.2	974.1	991.2	1005.3	1020.4	1038.5
20°	1046.5	1043.5	1019.4	1020.4	1011.3	1022.4	1016.4	1032.4	1056.6	1061.6	1077.7
22.5°	1091.7	1078.7	1061.6	1063.6	1066.6	1058.6	1054.6	1076.7	1100.8	1114.9	1115.9
25°	1163.1	1129.9	1115.9	1117.9	1113.9	1107.8	1110.8	1139.0	1151.1	1181.2	1175.2
27.5°	1201.3	1182.2	1172.2	1149.0	1150.1	1141.0	1153.1	1195.3	1219.4	1242.5	1196.3
30°	1247.6	1235.5	1191.3	1183.2	1182.2	1178.2	1200.3	1254.6	1290.8	1303.9	1237.5
32.5°	1338.0	1289.8	1278.7	1271.7	1255.6	1260.6	1271.7	1343.1	1400.4	1397.4	1275.7
35°	1441.6	1408.4	1377.3	1371.2	1369.2	1355.1	1374.2	1457.7	1501.9	1488.8	1289.8
37.5°	1607.5	1557.2	1515.0	1491.9	1487.8	1477.8	1523.0	1589.4	1646.7	1595.4	1300.8
40°	1688.9	1632.6	1593.4	1579.3	1582.3	1596.4	1640.6	1742.2	1767.3	1672.8	1309.9
42.5°	1805.5	1744.2	1666.8	1659.7	1650.7	1657.7	1743.2	1879.9	1901.0	1777.4	1275.7
45°	2012.6	1920.1	1830.6	1790.4	1792.4	1811.5	1944.2	2094.0	2054.8	1849.7	1221.4
47.5°	2274.0	2138.3	2065.9	2011.6	2037.7	2016.6	2227.7	2347.4	2213.7	1941.2	1155.1
50°	2667.0	2477.0	2378.5	2313.2	2324.2	2342.3	2556.5	2658.0	2389.6	1985.5	1053.5
52.5°	3162.7	2918.4	2773.6	2686.1	2694.2	2733.4	3009.8	2978.7	2590.6	2022.6	917.8
55°	3755.8	3504.5	3224.0	3187.8	3178.7	3272.2	3576.8	3314.5	2771.6	1963.3	777.1
56°	4069.4	3802.0	3510.5	3436.1	3414.0	3479.3	3837.2	3482.3	2833.9	1897.0	709.7
57°	4335.8	4080.5	3760.8	3634.1	3662.3	3784.9	4095.6	3640.2	2891.2	1828.6	646.4
58°	4701.8	4410.2	4072.4	3975.9	3950.8	4048.3	4374.0	3799.0	2910.3	1758.3	588.1
59°	5066.7	4716.8	4412.2	4236.3	4243.3	4421.3	4648.5	3988.0	2939.5	1668.8	513.7
60°	5344.1	5168.2	4761.1	4629.4	4611.3	4868.6	4921.9	4114.7	2970.6	1548.2	461.4
61°	5737.2	5508.0	5129.0	4959.1	5008.4	5214.5	5217.5	4273.5	2924.4	1395.3	397.1
62°	6019.7	5959.4	5561.3	5399.4	5384.3	5657.8	5525.1	4413.2	2884.2	1250.6	350.8
63°	6350.4	6350.4	5987.5	5860.9	5867.9	6084.0	5658.8	4553.0	2837.9	1090.7	308.6
64°	6522.3	6738.5	6403.7	6225.8	6272.0	6459.0	5897.0	4644.5	2695.2	928.9	271.4
65°	6671.1	6995.8	6809.9	6727.4	6657.1	6767.6	6103.1	4729.9	2477.0	790.2	241.3
66°	6796.8	7238.1	7176.8	7088.3	7081.3	7056.2	6143.3	4726.9	2251.9	667.5	211.1
67°	6733.5	7243.1	7354.7	7391.9	7380.9	7115.5	6073.0	4619.3	1963.3	564.0	188.0
67.5°	6676.2	7201.9	7461.3	7440.2	7486.4	7165.7	6085.0	4487.6	1758.3	510.7	176.9
68°	6625.9	7146.6	7504.5	7531.7	7508.5	7171.8	6018.7	4383.1	1618.5	479.5	166.9
69°	6244.9	6884.2	7435.1	7532.7	7473.3	6941.5	5807.6	4110.6	1285.8	409.2	153.8
70°	5862.9	6544.5	7098.4	7277.3	7203.9	6496.2	5541.2	3677.4	1060.6	349.8	138.7
71°	5334.1	5913.1	6650.0	6757.6	6669.1	5989.5	4990.3	3220.0	825.3	296.6	123.7
72°	4616.3	5107.9	5811.6	6072.0	5941.3	5260.7	4433.3	2661.0	668.5	249.3	112.6
72.5°	4260.4	4764.1	5442.7	5463.8	5488.9	4944.0	4197.1	2337.3	583.1	231.2	109.6
73°	3922.7	4416.3	5003.3	5077.7	4971.2	4410.2	3844.2	2090.0	532.8	211.1	105.6
74°	3178.7	3460.2	3946.8	4019.2	3925.7	3595.9	3141.5	1602.4	424.2	182.0	96.5
75°	2501.2	2656.0	3096.3	3052.1	2912.3	2796.7	2435.8	1224.4	343.8	159.8	89.5



REPORT NUMBER: P676122
 CATALOG NUMBER: CCW-SA-1D-735-U-T1

CANDELA DISTRIBUTION (continued):

	85°	87.5°	90°	92°	92.5°	95°	100°	105°	110°	115°	125°
77.5°	1123.9	1217.4	1290.8	1290.8	1298.8	1239.5	1122.9	562.0	212.1	115.6	73.4
80°	428.3	479.5	495.6	496.6	503.7	521.7	485.6	276.5	125.7	82.4	59.3
82.5°	310.6	434.3	467.5	443.3	445.3	402.1	186.0	122.6	79.4	57.3	43.2
85°	281.5	378.0	400.1	397.1	398.1	372.0	109.6	60.3	46.2	36.2	30.2
87.5°	136.7	133.7	141.7	159.8	155.8	202.1	92.5	30.2	20.1	15.1	15.1
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: P676122

CATALOG NUMBER: CCW-SA-1D-735-U-T1

CANDELA DISTRIBUTION (continued):

	135°	145°	155°	165°	175°	180°
0°	856.5	856.5	856.5	856.5	856.5	856.5
2.5°	851.5	850.5	864.6	850.5	858.5	852.5
5°	861.5	865.6	868.6	874.6	860.5	874.6
7.5°	891.7	895.7	896.7	901.7	895.7	894.7
10°	914.8	924.9	930.9	910.8	922.9	921.9
12.5°	960.1	950.0	949.0	945.0	933.9	929.9
15°	992.2	977.1	968.1	952.0	938.9	933.9
17.5°	1037.5	1008.3	971.1	937.9	914.8	896.7
20°	1065.6	1013.3	938.9	899.7	864.6	872.6
22.5°	1083.7	1008.3	909.8	859.5	824.3	834.4
25°	1089.7	983.2	889.7	827.4	793.2	786.1
27.5°	1072.6	954.0	850.5	780.1	749.9	756.0
30°	1064.6	911.8	814.3	744.9	704.7	710.7
32.5°	1043.5	868.6	766.0	695.7	666.5	656.5
35°	1013.3	832.4	719.8	653.4	618.3	610.2
37.5°	976.1	787.1	679.6	599.2	568.0	562.0
40°	920.8	732.9	621.3	551.9	515.7	514.7
42.5°	872.6	680.6	567.0	495.6	459.4	461.4
45°	811.3	610.2	504.7	443.3	407.1	409.2
47.5°	732.9	544.9	445.3	377.0	346.8	344.8
50°	640.4	470.5	373.0	314.7	289.5	284.5
52.5°	551.9	395.1	305.6	253.3	232.2	230.2
55°	440.3	307.6	238.3	199.0	183.0	184.0
56°	400.1	283.5	217.1	182.0	169.9	169.9
57°	361.9	251.3	197.0	167.9	156.8	156.8
58°	319.7	221.2	178.9	151.8	146.8	142.8
59°	290.5	201.1	161.9	143.8	135.7	134.7
60°	256.3	181.0	150.8	134.7	128.7	127.7
61°	227.2	162.9	138.7	125.7	123.7	123.7
62°	203.1	150.8	128.7	121.6	120.6	117.6
63°	182.0	138.7	123.7	115.6	112.6	115.6
64°	162.9	127.7	119.6	113.6	109.6	111.6
65°	147.8	122.6	114.6	110.6	106.6	107.6
66°	137.7	114.6	110.6	105.6	103.5	104.6
67°	124.7	110.6	106.6	101.5	100.5	101.5
67.5°	120.6	107.6	104.6	99.5	98.5	99.5
68°	117.6	105.6	103.5	98.5	97.5	96.5
69°	109.6	101.5	98.5	96.5	94.5	93.5
70°	102.5	97.5	95.5	92.5	90.5	89.5
71°	98.5	92.5	91.5	88.5	86.5	85.4
72°	93.5	89.5	87.5	83.4	82.4	83.4
72.5°	92.5	87.5	86.5	82.4	81.4	81.4
73°	89.5	83.4	84.4	80.4	78.4	80.4
74°	83.4	81.4	79.4	76.4	75.4	75.4
75°	78.4	76.4	74.4	72.4	72.4	72.4



REPORT NUMBER: P676122
CATALOG NUMBER: CCW-SA-1D-735-U-T1

CANDELA DISTRIBUTION (continued):

	135°	145°	155°	165°	175°	180°
77.5°	66.3	65.3	66.3	62.3	61.3	60.3
80°	53.3	53.3	54.3	51.3	49.3	48.3
82.5°	40.2	41.2	43.2	40.2	38.2	36.2
85°	26.1	27.1	27.1	24.1	28.1	26.1
87.5°	13.1	14.1	13.1	12.1	14.1	14.1
90°	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)