

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: P677384

Luminaire Tested: **CCW-SA-1C-722-U-SLR-HSS**

Issue Date: 04/25/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P677384  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 04/25/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCW-SA-1C-722-U-SLR-HSS  
Description: INVUE CLEAR CURVE Wall Pack MOUNT Light Square Luminaire @615mA w/  
SLR distribution lens and House Side Shield  
Light Source: (16) 2200K CCT, 70 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

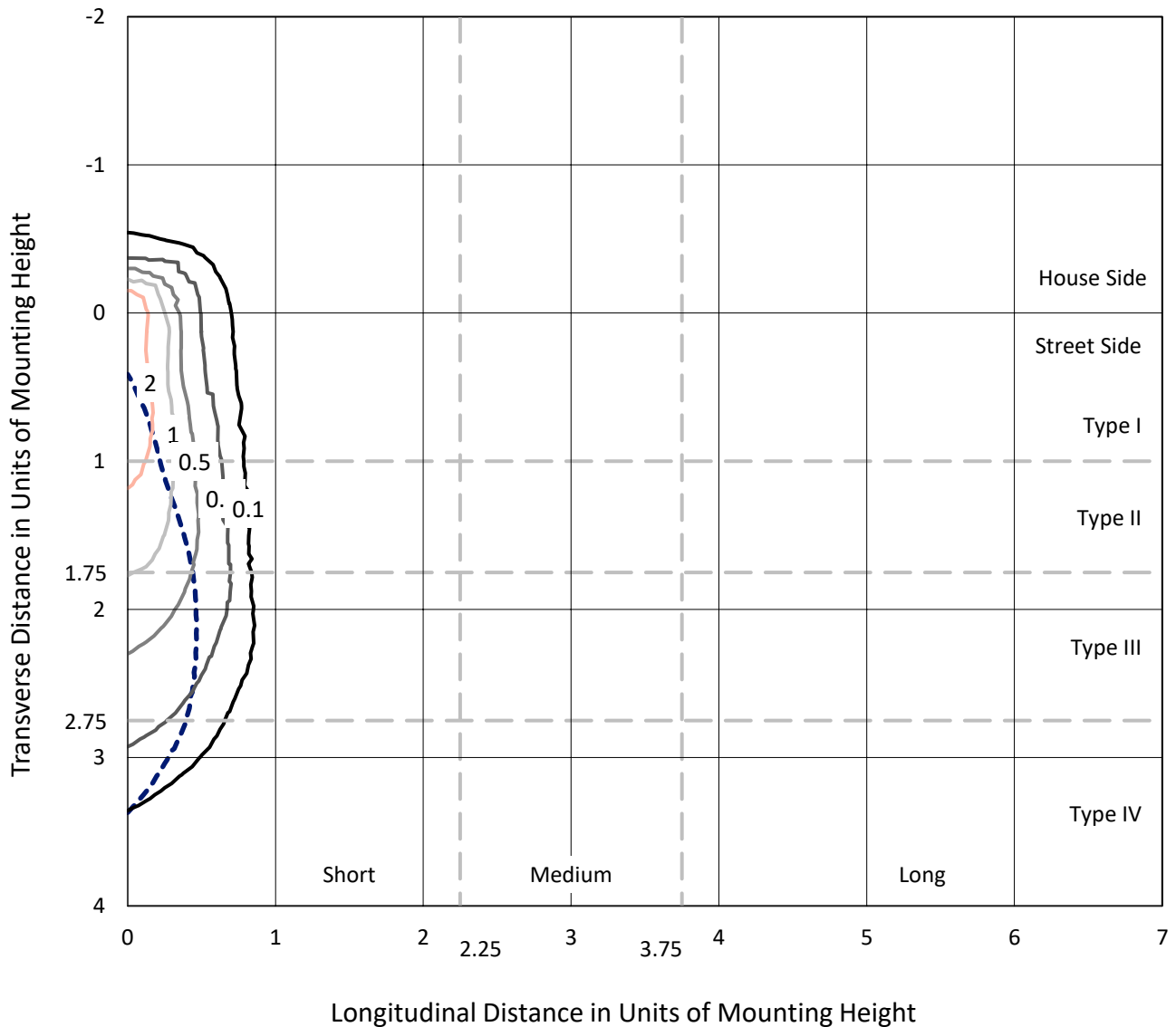
Lumens per Lamp: N/A  
Luminaire Lumens: 2393.3 lumens  
Efficiency: N/A  
Efficacy: 74.8 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B0 - U0 - G1

Input Watts (W): 32  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): 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: P677384  
 CATALOG NUMBER: CCW-SA-1C-722-U-SLR-HSS

### Iso-Footcandle Lines of Horizontal Illumination

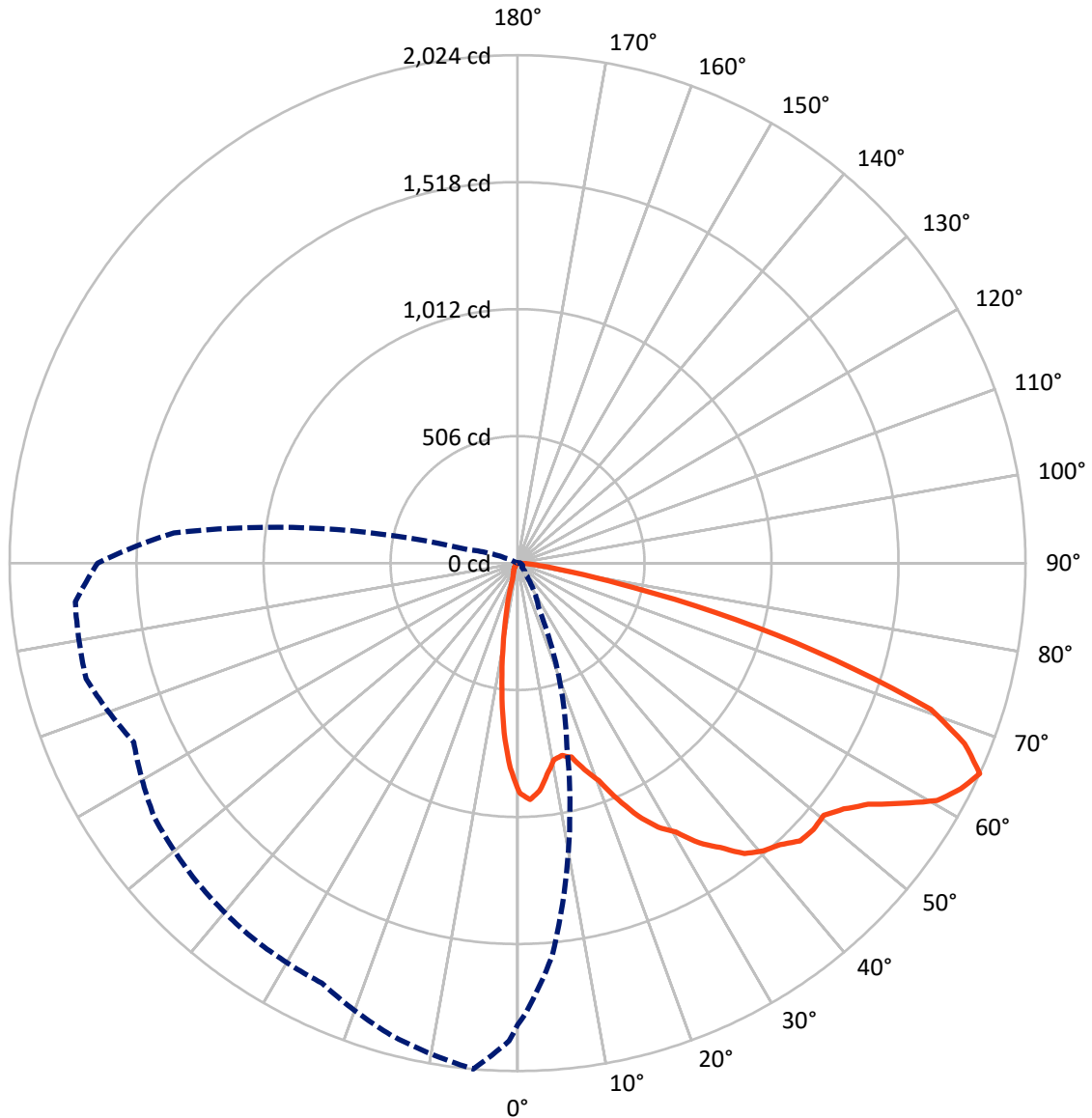
× Max cd  
 - - - 1/2 Max cd



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

REPORT NUMBER: P677384  
CATALOG NUMBER: CCW-SA-1C-722-U-SLR-HSS

### Luminous Intensity Polar Plot



— Vertical Plane Through 355-Deg Lateral    - - - Horizontal Cone Through 65-Deg Vertical

REPORT NUMBER: P677384

CATALOG NUMBER: CCW-SA-1C-722-U-SLR-HSS

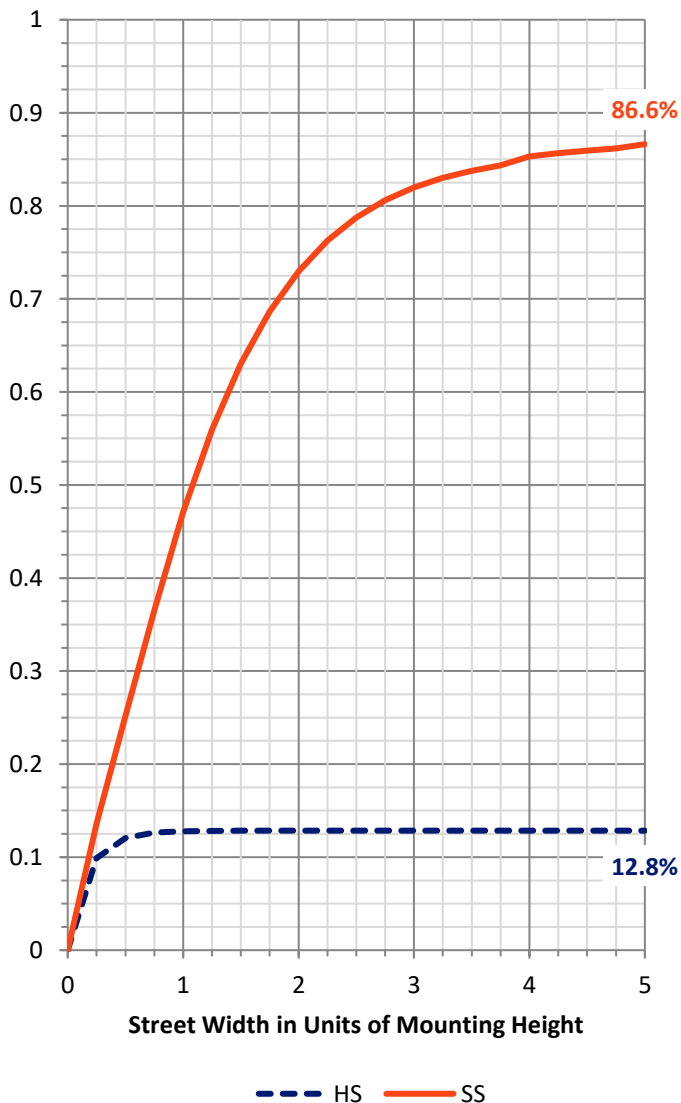
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	310.7	0.0	310.7
	% Fixture	13.0	0.0	13.0
<b>Street Side</b>	Lumens	2082.6	0.0	2082.6
	% Fixture	87.0	0.0	87.0
<b>Total</b>	Lumens	2393.3	0.0	2393.3
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	69.3	2.9
10°-20°	134.2	5.6
20°-30°	186.9	7.8
30°-40°	265.6	11.1
40°-50°	368.3	15.4
50°-60°	501.8	21.0
60°-70°	551.7	23.1
70°-80°	271.2	11.3
80°-90°	44.3	1.9
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°	2393.3	100.0
0°-180°	2393.3	100.0



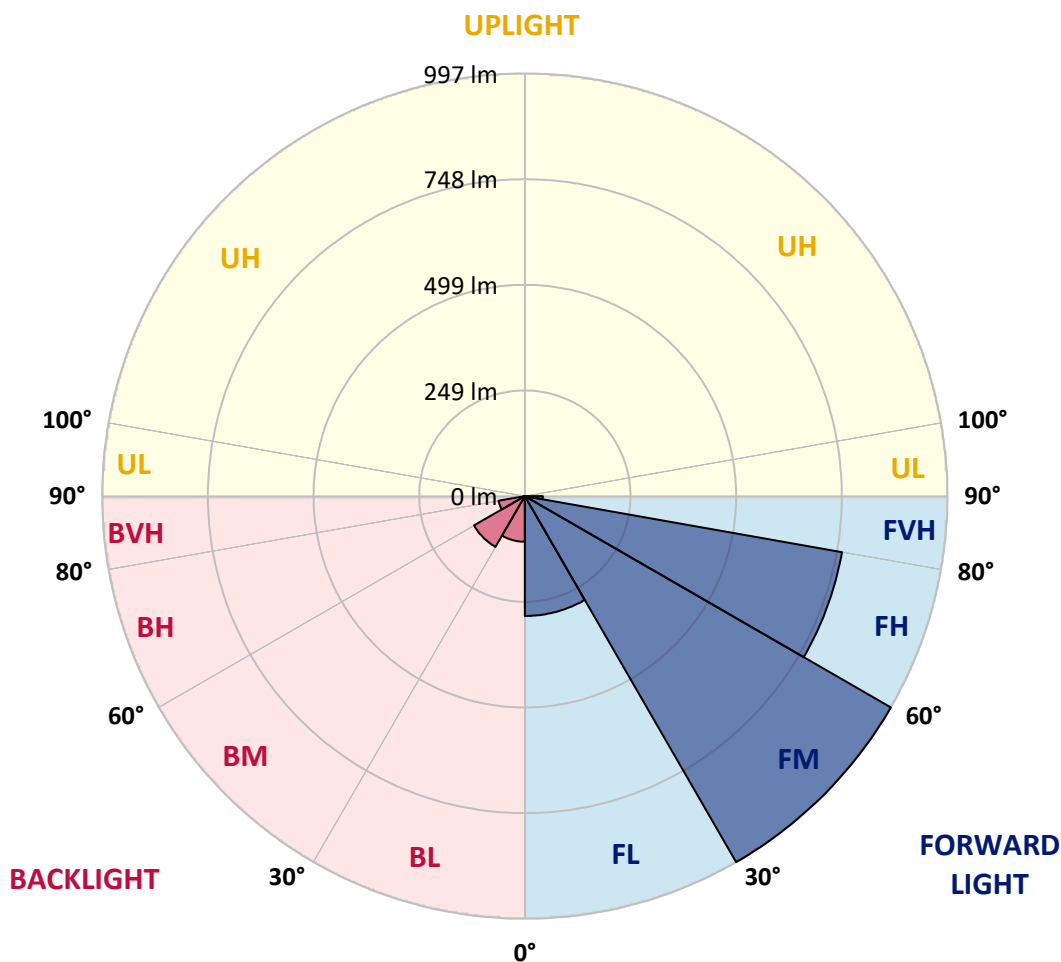
REPORT NUMBER: P677384  
 CATALOG NUMBER: CCW-SA-1C-722-U-SLR-HSS

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	282.8	11.8			
FM (30°-60°)	997.4	41.7			
FH (60°-80°)	760.1	31.8			G1/1800
FVH (80°-90°)	42.3	1.8			G1/100
BL (0°-30°)	107.6	4.5	B0/110		
BM (30°-60°)	138.4	5.8	B0/220		
BH (60°-80°)	62.8	2.6	B0/110		G0/110
BVH (80°-90°)	2.0	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B0-U0-G1**

Type IV Short





REPORT NUMBER: P677384

CATALOG NUMBER: CCW-SA-1C-722-U-SLR-HSS

**CANDELA DISTRIBUTION (FULL):**

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	915.0	915.0	915.0	915.0	915.0	915.0	915.0	915.0	915.0	915.0	915.0
2.5°	933.7	944.6	934.3	898.2	891.7	874.3	847.9	845.9	818.2	821.4	806.6
5°	877.5	888.5	866.6	818.8	774.3	738.8	717.5	679.4	671.1	652.3	652.3
7.5°	820.1	819.5	782.0	742.0	675.6	610.4	580.7	525.9	493.6	476.2	459.4
10°	772.4	762.0	738.8	656.2	583.9	516.2	479.4	443.3	409.7	380.7	351.7
12.5°	738.8	745.3	708.5	618.8	525.2	478.1	438.8	400.7	360.7	327.8	295.5
15°	756.2	745.9	702.7	610.4	515.6	451.0	398.8	352.3	307.8	264.6	240.0
17.5°	810.4	784.0	733.0	610.4	495.5	409.7	346.5	291.7	243.9	205.2	174.9
20°	883.3	853.0	798.2	633.0	480.7	379.4	292.9	223.9	174.2	138.1	114.9
22.5°	958.2	934.3	851.7	642.0	463.3	338.8	231.0	162.0	116.1	92.9	81.3
25°	1047.9	1014.3	924.0	678.2	437.5	299.4	182.0	112.9	86.5	74.2	67.1
27.5°	1119.5	1113.7	991.7	700.1	418.1	267.1	143.9	89.7	71.6	62.6	58.1
30°	1209.8	1178.2	1074.3	744.0	396.2	230.4	120.0	80.7	65.8	56.1	52.9
32.5°	1264.0	1249.2	1117.6	768.5	371.7	200.0	103.2	71.0	60.0	52.9	49.7
35°	1342.8	1313.1	1179.5	784.0	358.8	182.6	92.9	64.5	50.3	43.2	39.4
37.5°	1430.5	1419.5	1253.7	783.3	340.0	172.3	85.8	60.0	47.7	40.0	35.5
40°	1520.2	1475.7	1298.9	801.4	330.4	164.5	80.7	57.4	45.2	38.1	32.3
42.5°	1587.3	1536.3	1351.1	794.9	318.8	151.0	78.7	53.6	43.2	34.8	29.7
45°	1605.4	1587.3	1398.2	793.0	310.4	140.0	75.5	52.9	41.9	32.9	27.7
47.5°	1640.2	1628.0	1456.3	796.2	303.9	131.6	67.8	54.2	40.0	31.0	26.5
50°	1655.7	1633.8	1503.4	804.0	289.1	121.3	60.7	56.8	39.4	30.3	25.2
52.5°	1719.6	1700.2	1567.9	825.9	276.8	107.8	53.6	54.2	40.7	28.4	23.9
55°	1782.2	1760.2	1667.3	876.2	259.4	96.8	45.8	47.7	38.7	25.8	21.3
57.5°	1868.0	1831.9	1733.8	896.9	243.9	81.9	40.7	39.4	36.1	23.2	18.7
60°	1880.9	1895.7	1724.1	884.0	227.8	72.3	35.5	30.3	38.7	20.6	16.1
62.5°	1924.1	1862.2	1678.9	854.3	216.2	66.5	31.6	25.2	33.6	18.1	13.6
65°	1840.9	1795.1	1573.1	758.8	201.3	67.1	27.7	20.6	21.3	14.8	11.0
67.5°	1718.9	1682.8	1397.6	654.9	186.5	65.8	24.5	18.1	16.1	12.9	9.7
70°	1508.6	1430.5	1187.3	531.7	164.5	61.3	20.6	16.1	13.6	10.3	7.1
72.5°	1097.6	1065.9	851.7	411.0	147.8	55.5	19.4	13.6	11.6	7.7	5.8
75°	738.8	686.5	537.5	269.7	118.7	48.4	16.1	12.3	9.0	5.8	4.5
77.5°	390.4	369.1	304.6	128.4	65.8	22.6	9.0	7.1	5.2	4.5	2.6
80°	169.1	150.3	131.6	52.3	23.2	10.3	5.8	3.9	3.2	2.6	1.3
82.5°	86.5	82.6	68.4	22.6	13.6	7.7	3.2	2.6	1.9	1.3	0.6
85°	42.6	43.9	36.1	7.1	7.7	4.5	0.6	0.6	0.0	0.0	0.0
87.5°	3.2	3.2	2.6	1.3	1.9	0.6	0.0	0.0	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: P677384  
 CATALOG NUMBER: CCW-SA-1C-722-U-SLR-HSS

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	915.0	915.0	915.0	915.0	915.0	915.0	915.0	915.0	915.0	915.0	915.0
2.5°	800.7	809.8	794.3	804.0	799.5	801.4	803.3	798.2	799.5	817.5	818.2
5°	641.4	658.8	652.3	661.4	676.9	669.1	676.2	674.9	676.2	678.8	690.4
7.5°	457.5	452.3	464.6	488.5	516.2	533.0	524.6	520.1	517.5	511.0	518.8
10°	345.2	342.6	339.4	346.5	364.6	383.3	393.6	376.2	366.5	354.2	349.7
12.5°	286.5	270.4	261.3	250.4	255.5	272.3	272.9	256.2	240.7	234.2	241.3
15°	225.8	214.9	198.7	183.2	175.5	188.4	177.4	161.3	141.3	138.7	138.1
17.5°	161.3	154.9	143.2	136.8	127.8	124.5	112.9	88.4	74.2	70.3	71.6
20°	109.7	104.5	103.9	98.1	94.2	91.6	72.9	56.8	52.3	52.9	53.6
22.5°	81.3	78.7	75.5	74.8	71.6	68.4	53.6	47.7	44.5	44.5	46.5
25°	66.5	65.2	61.9	60.7	59.4	54.8	45.2	40.7	39.4	38.1	40.0
27.5°	56.8	56.1	54.2	52.3	51.0	46.5	39.4	35.5	34.2	34.2	34.2
30°	51.0	51.0	48.4	44.5	44.5	39.4	33.6	31.0	29.7	29.7	29.0
32.5°	47.7	46.5	43.2	40.7	38.7	33.6	29.7	27.1	25.2	25.2	25.8
35°	38.7	38.7	38.1	36.1	33.6	28.4	25.2	22.6	21.3	20.6	21.3
37.5°	34.2	32.3	29.7	30.3	29.0	24.5	21.3	19.4	17.4	17.4	17.4
40°	31.0	29.0	26.5	24.5	23.9	21.9	18.7	15.5	13.6	12.9	12.9
42.5°	27.7	26.5	22.6	19.4	18.7	18.7	14.2	11.6	9.7	9.7	9.7
45°	25.8	23.9	20.6	16.8	13.6	14.2	11.6	8.4	7.1	6.5	6.5
47.5°	24.5	22.6	18.1	14.2	10.3	10.3	8.4	5.8	4.5	3.9	3.9
50°	22.6	20.6	16.1	11.6	7.7	6.5	5.2	3.2	1.9	1.3	1.3
52.5°	21.3	19.4	14.2	9.7	6.5	4.5	3.2	0.6	0.0	0.0	0.0
55°	19.4	16.8	12.3	7.7	5.2	2.6	0.6	0.0	0.0	0.0	0.0
57.5°	16.8	14.8	9.7	5.8	3.2	0.6	0.0	0.0	0.0	0.0	0.0
60°	14.2	12.3	7.7	4.5	1.3	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	11.6	10.3	5.8	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	9.7	7.7	4.5	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	8.4	6.5	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	6.5	4.5	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	4.5	3.2	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	3.2	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	1.9	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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: P677384  
 CATALOG NUMBER: CCW-SA-1C-722-U-SLR-HSS

**CANDELA DISTRIBUTION (continued):**

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	915.0	915.0	915.0	915.0	915.0	915.0	915.0	915.0	915.0	915.0	915.0
2.5°	820.8	840.1	858.2	863.3	877.5	916.9	916.9	935.6	969.2	981.4	984.0
5°	692.3	713.0	716.9	756.9	775.6	815.6	842.0	905.3	943.3	967.2	982.1
7.5°	526.5	533.6	548.5	585.9	622.7	671.1	721.4	802.0	869.1	896.2	946.6
10°	362.0	383.3	415.5	449.1	506.5	560.1	625.2	701.4	784.0	817.5	860.8
12.5°	243.9	273.6	325.2	373.0	425.9	480.1	542.0	644.0	737.5	784.0	827.2
15°	142.6	178.7	223.3	300.7	371.0	431.7	493.6	596.9	710.4	770.4	823.3
17.5°	72.3	83.2	120.0	187.1	280.0	379.4	471.7	603.3	731.1	804.6	848.5
20°	54.2	57.4	67.8	99.4	191.6	313.6	451.0	613.0	788.5	878.2	902.1
22.5°	47.1	49.7	54.2	64.5	107.8	240.0	422.0	636.9	866.6	951.1	1001.4
25°	40.0	42.6	46.5	52.9	69.0	163.2	386.5	662.0	936.3	1042.7	1089.8
27.5°	34.8	36.8	40.7	45.8	56.1	103.9	325.2	695.6	1042.7	1153.7	1166.0
30°	29.7	31.6	34.8	40.7	47.7	73.6	238.7	700.1	1101.4	1202.1	1236.3
32.5°	25.8	26.5	30.3	35.5	40.0	58.1	167.8	704.6	1144.7	1264.7	1271.8
35°	21.3	22.6	26.5	29.7	34.8	45.8	127.1	682.0	1200.8	1329.2	1327.3
37.5°	17.4	19.4	21.9	24.5	28.4	38.7	101.3	640.1	1271.1	1429.2	1368.6
40°	13.6	15.5	18.1	21.3	23.9	34.8	76.1	576.8	1344.7	1478.3	1413.7
42.5°	9.7	11.0	13.6	16.8	21.3	29.0	54.8	502.0	1373.7	1535.7	1467.9
45°	7.1	8.4	10.3	14.2	21.9	23.2	38.1	433.6	1404.7	1560.8	1455.7
47.5°	3.9	5.2	7.7	12.3	19.4	17.4	27.1	372.3	1440.2	1583.4	1465.4
50°	1.3	1.9	4.5	12.9	15.5	13.6	21.3	339.4	1475.0	1587.9	1484.7
52.5°	0.0	0.0	2.6	13.6	11.6	10.3	18.7	326.5	1466.0	1602.1	1472.5
55°	0.0	0.0	0.6	5.8	6.5	7.7	15.5	325.8	1529.9	1606.7	1539.6
57.5°	0.0	0.0	0.0	1.9	3.9	6.5	13.6	305.2	1570.5	1718.9	1629.9
60°	0.0	0.0	0.0	0.6	2.6	4.5	10.3	287.1	1611.8	1769.3	1726.7
62.5°	0.0	0.0	0.0	0.0	0.6	1.9	7.1	259.4	1528.6	1765.4	1820.2
65°	0.0	0.0	0.0	0.0	0.0	0.0	4.5	205.2	1375.0	1673.1	1768.6
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	2.6	142.0	1204.0	1557.0	1673.8
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	85.8	971.7	1365.3	1419.5
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	36.8	693.6	1084.0	1164.7
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.8	429.1	792.4	891.7
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.8	278.1	600.1	676.9
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	148.4	376.2	437.5
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	64.5	228.4	263.3
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.6	138.7	158.1
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21.3	28.4
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: P677384

CATALOG NUMBER: CCW-SA-1C-722-U-SLR-HSS

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	915.0	915.0	915.0	915.0	915.0	915.0	915.0	915.0	915.0	915.0
2.5°	985.3	1004.0	1011.1	1000.1	1001.4	978.8	975.6	944.0	931.1	933.7
5°	1030.5	1057.6	1072.4	1060.1	1032.4	989.2	949.8	912.4	889.1	877.5
7.5°	1020.1	1050.5	1069.2	1080.8	1049.2	979.5	919.5	849.1	819.5	820.1
10°	963.4	1026.6	1064.7	1049.8	1035.0	965.3	872.4	796.2	769.8	772.4
12.5°	917.5	987.9	1010.5	1022.1	991.7	936.3	873.7	786.6	756.9	738.8
15°	889.1	941.4	942.7	960.8	948.5	948.5	887.2	802.0	776.2	756.2
17.5°	889.1	900.8	899.5	905.9	926.6	951.1	921.4	864.6	813.7	810.4
20°	909.2	873.0	864.6	867.2	884.6	957.5	996.9	925.9	893.7	883.3
22.5°	955.6	876.2	825.3	816.2	869.8	956.9	1045.3	1022.7	966.6	958.2
25°	1019.5	870.4	814.9	803.3	844.0	980.1	1111.8	1116.3	1065.3	1047.9
27.5°	1080.1	896.2	813.7	811.1	864.6	975.0	1157.6	1191.1	1133.7	1119.5
30°	1100.8	922.1	837.5	803.3	872.4	993.7	1156.3	1244.0	1206.6	1209.8
32.5°	1125.3	947.9	840.1	826.6	905.3	1024.0	1193.1	1329.2	1302.1	1264.0
35°	1161.4	982.7	864.6	852.4	928.5	1051.1	1200.8	1391.8	1387.3	1342.8
37.5°	1192.4	1016.9	915.6	917.5	999.5	1095.0	1235.0	1468.6	1460.8	1430.5
40°	1214.4	1064.7	995.0	1000.1	1061.4	1144.0	1295.7	1507.3	1564.7	1520.2
42.5°	1217.6	1107.2	1085.9	1127.2	1184.7	1220.2	1320.2	1533.7	1616.3	1587.3
45°	1229.8	1175.0	1234.4	1264.7	1311.8	1287.3	1318.9	1578.9	1620.2	1605.4
47.5°	1277.6	1298.2	1373.1	1465.4	1482.1	1401.5	1349.9	1586.0	1642.2	1640.2
50°	1327.3	1430.5	1535.7	1597.0	1618.3	1480.2	1378.9	1580.2	1671.2	1655.7
52.5°	1382.8	1545.4	1697.0	1772.5	1760.9	1567.3	1411.8	1627.3	1724.7	1719.6
55°	1417.6	1597.0	1800.9	1906.1	1897.0	1664.7	1516.3	1695.1	1795.1	1782.2
57.5°	1509.9	1680.9	1904.1	1953.2	1977.0	1792.5	1589.2	1806.0	1853.8	1868.0
60°	1586.0	1735.7	1931.2	2002.2	2010.6	1868.6	1717.0	1920.3	1928.6	1880.9
62.5°	1697.6	1757.0	1873.8	1937.7	1980.9	1911.9	1831.9	1981.5	1927.3	1924.1
65°	1779.6	1687.3	1766.7	1802.2	1829.9	1846.0	1947.4	2023.5	1903.5	1840.9
67.5°	1733.8	1555.7	1540.8	1542.8	1551.2	1648.6	1908.6	1920.9	1770.6	1718.9
70°	1526.0	1276.3	1256.3	1271.8	1229.8	1347.3	1751.8	1746.0	1562.1	1508.6
72.5°	1234.4	930.4	896.2	917.5	927.2	1051.8	1473.7	1324.0	1139.5	1097.6
75°	980.8	682.0	575.6	627.2	660.1	765.9	1151.1	899.5	795.6	738.8
77.5°	770.4	516.2	447.8	427.2	457.5	556.8	837.5	472.3	416.8	390.4
80°	488.5	379.4	411.7	382.0	394.9	397.5	436.2	214.9	171.0	169.1
82.5°	294.2	259.4	308.4	169.7	309.1	276.2	181.3	97.4	86.5	86.5
85°	208.4	160.7	106.5	69.0	137.4	151.6	70.3	50.3	43.9	42.6
87.5°	104.5	49.7	23.9	15.5	17.4	28.4	8.4	3.9	3.9	3.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)