

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: P676243

Luminaire Tested: **CCW-SA-1C-727-U-T2-HSS**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P676243
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-1C-727-U-T2-HSS
Description: INVUE CLEAR CURVE Wall Pack MOUNT Light Square Luminaire @615mA w/
T2 distribution lens and House Side Shield
Light Source: (16) 2700K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

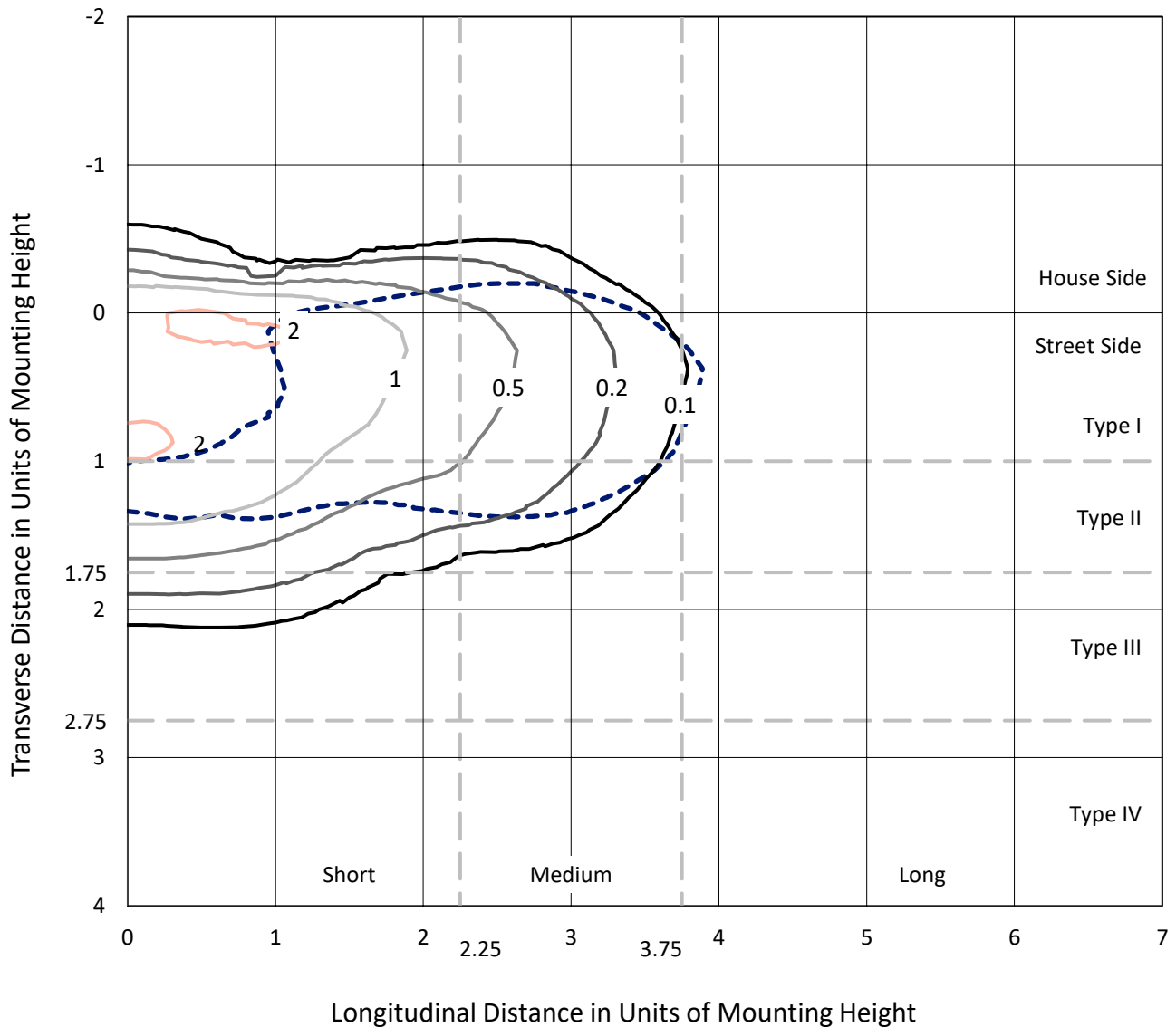
Lumens per Lamp: N/A
Luminaire Lumens: 2919.2 lumens
Efficiency: N/A
Efficacy: 91.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

Input Watts (W): 32
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: P676243
 CATALOG NUMBER: CCW-SA-1C-727-U-T2-HSS

Iso-Footcandle Lines of Horizontal Illumination

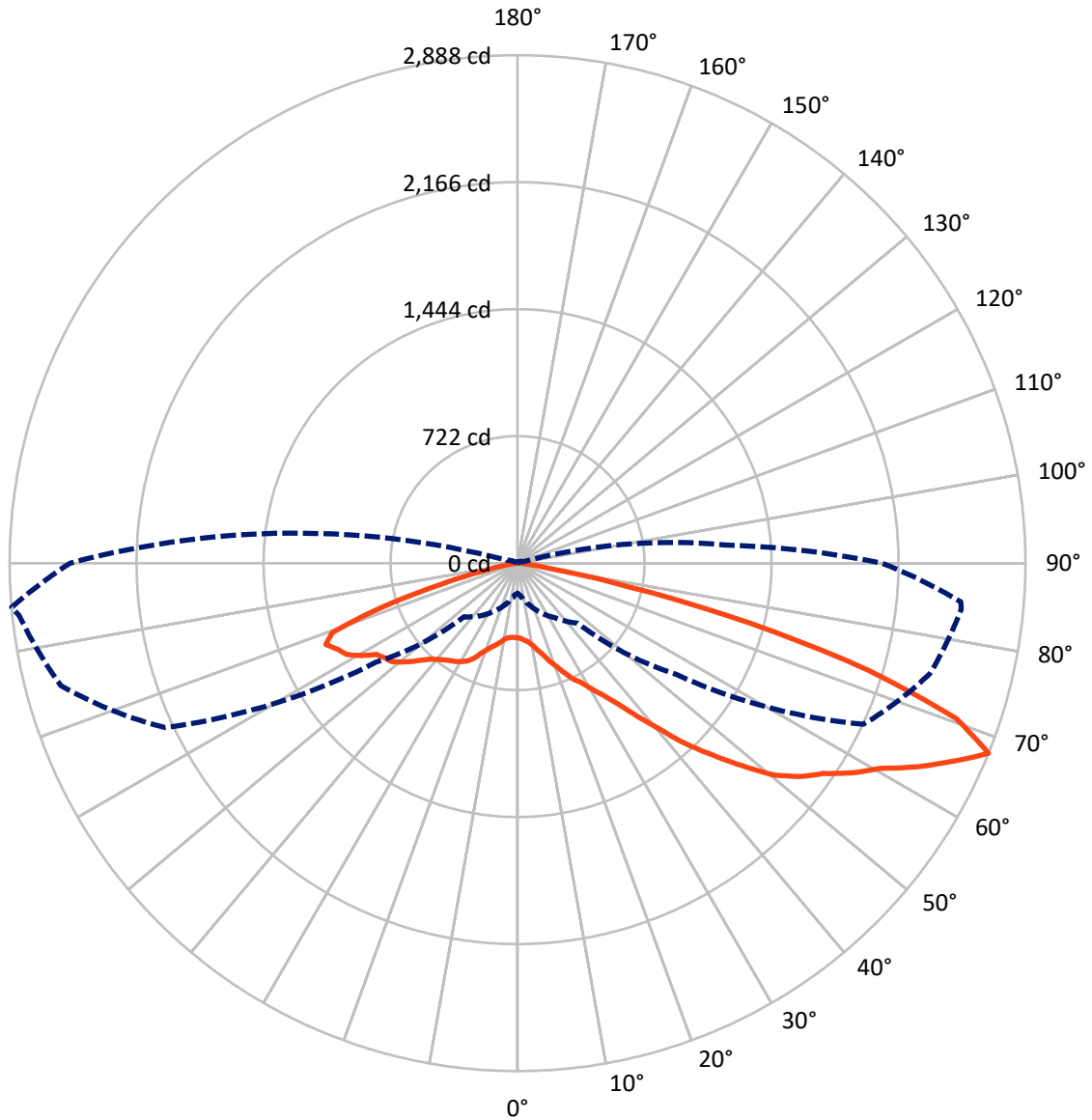
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 2.2 fc
 Type II - Short - N/A

REPORT NUMBER: P676243
CATALOG NUMBER: CCW-SA-1C-727-U-T2-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 275-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P676243
 CATALOG NUMBER: CCW-SA-1C-727-U-T2-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	414.7	0.0	414.7
	% Fixture	14.2	0.0	14.2
Street Side	Lumens	2504.5	0.0	2504.5
	% Fixture	85.8	0.0	85.8
Total	Lumens	2919.2	0.0	2919.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	38.7	1.3
10°-20°	104.1	3.6
20°-30°	172.9	5.9
30°-40°	297.4	10.2
40°-50°	534.4	18.3
50°-60°	760.8	26.1
60°-70°	693.6	23.8
70°-80°	295.4	10.1
80°-90°	22.0	0.8
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°	2919.2	100.0
0°-180°	2919.2	100.0



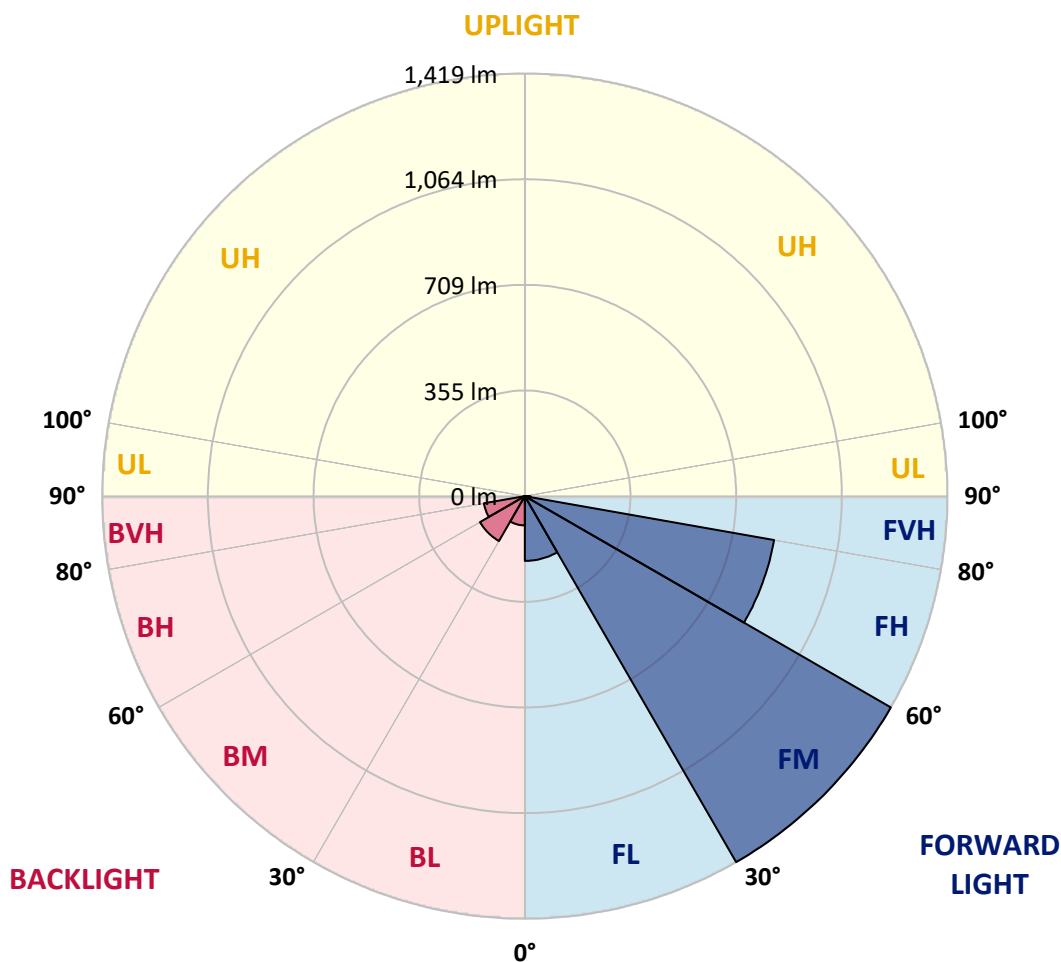
REPORT NUMBER: P676243
 CATALOG NUMBER: CCW-SA-1C-727-U-T2-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	217.5	7.4			
FM (30°-60°)	1418.7	48.6			
FH (60°-80°)	849.6	29.1			G1/1800
FVH (80°-90°)	18.7	0.6			G1/100
BL (0°-30°)	98.2	3.4	B0/110		
BM (30°-60°)	173.9	6.0	B0/220		
BH (60°-80°)	139.4	4.8	B1/500		G1/500
BVH (80°-90°)	3.3	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type II Short





REPORT NUMBER: P676243
 CATALOG NUMBER: CCW-SA-1C-727-U-T2-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	84°	85°
0°	424.5	424.5	424.5	424.5	424.5	424.5	424.5	424.5	424.5	424.5	424.5
2.5°	439.8	444.0	444.0	442.6	438.4	435.6	434.2	431.5	428.7	428.7	430.1
5°	444.0	439.8	445.4	438.4	438.4	438.4	444.0	441.2	439.8	432.8	432.8
7.5°	444.0	439.8	439.8	444.0	439.8	442.6	449.5	446.8	452.3	439.8	442.6
10°	431.5	430.1	432.8	438.4	439.8	445.4	452.3	466.2	467.6	459.3	457.9
12.5°	406.4	405.0	414.7	417.5	434.2	448.2	469.0	480.2	492.7	488.5	480.2
15°	388.3	391.1	398.0	409.2	424.5	449.5	473.2	498.3	520.5	515.0	512.2
17.5°	395.3	393.9	395.3	402.2	421.7	446.8	487.1	516.3	548.4	548.4	551.1
20°	416.1	420.3	418.9	414.7	424.5	445.4	487.1	538.6	591.5	587.3	587.3
22.5°	452.3	453.7	445.4	442.6	441.2	453.7	495.5	566.5	627.7	636.0	633.3
25°	489.9	491.3	488.5	480.2	469.0	471.8	510.8	588.7	677.8	691.7	688.9
27.5°	552.5	551.1	544.2	534.4	517.7	505.2	534.4	605.4	716.8	740.4	733.5
30°	615.2	611.0	601.2	588.7	573.4	549.8	563.7	637.4	765.5	787.7	772.4
32.5°	691.7	683.4	686.1	666.7	634.6	597.1	594.3	666.7	804.4	836.5	823.9
35°	789.1	779.4	765.5	747.4	716.8	666.7	651.4	714.0	869.9	893.5	893.5
37.5°	917.2	926.9	910.2	835.1	801.7	754.3	722.3	762.7	926.9	984.0	970.1
40°	1048.0	1056.4	1025.7	970.1	897.7	839.2	819.8	842.0	1013.2	1081.4	1055.0
42.5°	1153.8	1164.9	1153.8	1081.4	1024.3	949.2	914.4	935.3	1124.6	1206.7	1171.9
45°	1265.1	1276.3	1263.7	1216.4	1160.7	1117.6	1029.9	1056.4	1241.5	1363.9	1325.0
47.5°	1348.6	1362.5	1340.3	1330.5	1286.0	1279.0	1130.1	1159.3	1363.9	1522.6	1473.9
50°	1368.1	1383.4	1402.9	1414.0	1398.7	1415.4	1265.1	1290.2	1492.0	1668.7	1621.4
52.5°	1322.2	1337.5	1380.6	1432.1	1503.1	1553.2	1401.5	1422.4	1625.6	1789.8	1764.8
55°	1187.2	1201.1	1288.8	1358.4	1528.2	1610.3	1532.3	1620.0	1721.6	1916.5	1855.2
57.5°	960.3	977.0	1092.5	1199.7	1444.7	1578.3	1610.3	1784.3	1880.3	2009.7	1938.7
60°	682.0	691.7	791.9	981.2	1213.6	1418.2	1595.0	1906.7	2005.5	2135.0	2097.4
62.5°	392.5	400.8	505.2	683.4	915.8	1184.4	1526.8	2022.2	2140.5	2272.8	2251.9
65°	260.3	263.0	334.0	431.5	595.7	872.6	1354.2	2125.2	2274.2	2382.7	2359.1
67.5°	171.2	186.5	242.2	309.0	381.3	482.9	1103.7	2168.4	2427.3	2535.8	2530.2
70°	122.5	128.0	174.0	238.0	286.7	271.4	645.8	1863.6	2420.3	2577.6	2531.6
72.5°	72.4	77.9	115.5	178.1	225.5	172.6	302.0	1318.0	2005.5	2057.0	2044.5
75°	52.9	52.9	71.0	128.0	164.2	123.9	142.0	833.7	1331.9	1446.1	1444.7
77.5°	37.6	39.0	48.7	76.5	126.7	90.5	77.9	463.5	727.9	796.1	758.5
80°	22.3	23.7	33.4	45.9	91.9	65.4	51.5	211.5	279.7	282.5	268.6
82.5°	16.7	16.7	22.3	32.0	64.0	44.5	32.0	80.7	90.5	82.1	69.6
85°	9.7	8.4	16.7	23.7	37.6	25.1	22.3	37.6	41.8	30.6	27.8
87.5°	2.8	2.8	7.0	8.4	16.7	13.9	9.7	13.9	19.5	11.1	8.4
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: P676243
 CATALOG NUMBER: CCW-SA-1C-727-U-T2-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	424.5	424.5	424.5	424.5	424.5	424.5	424.5	424.5	424.5	424.5	424.5
2.5°	427.3	423.1	416.1	413.4	403.6	399.4	396.7	389.7	391.1	386.9	386.9
5°	423.1	423.1	409.2	393.9	378.6	368.8	357.7	343.8	343.8	338.2	339.6
7.5°	438.4	427.3	409.2	381.3	356.3	334.0	324.3	310.4	302.0	297.8	297.8
10°	448.2	437.0	406.4	373.0	341.0	313.1	292.3	272.8	261.7	261.7	260.3
12.5°	474.6	457.9	417.5	371.6	324.3	282.5	250.5	228.3	212.9	201.8	204.6
15°	496.9	478.8	423.1	360.5	295.1	236.6	197.6	155.9	135.0	123.9	119.7
17.5°	531.7	498.3	435.6	341.0	250.5	185.1	128.0	93.2	84.9	83.5	83.5
20°	560.9	521.9	437.0	303.4	206.0	118.3	82.1	76.5	72.4	71.0	69.6
22.5°	601.2	552.5	431.5	260.3	147.5	79.3	69.6	64.0	61.2	57.1	57.1
25°	643.0	592.9	420.3	219.9	90.5	68.2	61.2	55.7	50.1	47.3	48.7
27.5°	687.5	623.5	388.3	171.2	69.6	59.8	50.1	45.9	43.1	41.8	41.8
30°	723.7	643.0	341.0	114.1	62.6	52.9	44.5	40.4	37.6	36.2	36.2
32.5°	750.2	659.7	288.1	76.5	57.1	47.3	40.4	36.2	33.4	32.0	32.0
35°	794.7	672.2	239.4	65.4	51.5	41.8	34.8	32.0	29.2	29.2	29.2
37.5°	862.9	688.9	190.7	59.8	47.3	37.6	33.4	29.2	27.8	26.4	26.4
40°	922.7	709.8	136.4	54.3	43.1	34.8	29.2	26.4	25.1	23.7	23.7
42.5°	1009.0	733.5	89.1	48.7	39.0	32.0	26.4	23.7	22.3	20.9	20.9
45°	1119.0	772.4	69.6	43.1	34.8	29.2	25.1	22.3	19.5	19.5	18.1
47.5°	1235.9	819.8	62.6	40.4	32.0	26.4	22.3	19.5	18.1	16.7	16.7
50°	1344.5	865.7	58.5	37.6	29.2	25.1	20.9	18.1	15.3	13.9	13.9
52.5°	1441.9	908.8	55.7	34.8	27.8	22.3	18.1	15.3	13.9	12.5	12.5
55°	1493.4	928.3	54.3	33.4	25.1	20.9	16.7	13.9	12.5	11.1	11.1
57.5°	1574.1	953.4	52.9	32.0	23.7	18.1	15.3	12.5	11.1	9.7	9.7
60°	1704.9	1035.5	51.5	30.6	22.3	18.1	13.9	11.1	8.4	7.0	7.0
62.5°	1813.5	1103.7	45.9	26.4	19.5	15.3	11.1	8.4	5.6	4.2	4.2
65°	1937.4	1135.7	40.4	23.7	16.7	12.5	8.4	5.6	4.2	1.4	1.4
67.5°	2072.4	1184.4	33.4	20.9	15.3	9.7	7.0	4.2	1.4	0.0	0.0
70°	2001.4	1123.2	27.8	18.1	13.9	8.4	5.6	2.8	0.0	0.0	0.0
72.5°	1568.5	804.4	22.3	16.7	12.5	8.4	5.6	1.4	0.0	0.0	0.0
75°	1048.0	455.1	19.5	13.9	9.7	7.0	4.2	1.4	0.0	0.0	0.0
77.5°	569.2	204.6	16.7	12.5	8.4	5.6	4.2	1.4	0.0	0.0	0.0
80°	185.1	80.7	13.9	11.1	8.4	5.6	4.2	1.4	0.0	0.0	0.0
82.5°	50.1	25.1	13.9	11.1	8.4	5.6	4.2	1.4	0.0	0.0	0.0
85°	20.9	16.7	13.9	11.1	8.4	5.6	4.2	1.4	0.0	0.0	0.0
87.5°	8.4	5.6	5.6	7.0	5.6	4.2	2.8	1.4	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: P676243
 CATALOG NUMBER: CCW-SA-1C-727-U-T2-HSS

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	424.5	424.5	424.5	424.5	424.5	424.5	424.5	424.5	424.5	424.5	424.5
2.5°	388.3	391.1	392.5	392.5	399.4	406.4	414.7	421.7	421.7	425.9	430.1
5°	341.0	343.8	347.9	360.5	374.4	389.7	405.0	416.1	431.5	438.4	442.6
7.5°	302.0	304.8	315.9	328.5	347.9	374.4	400.8	425.9	441.2	448.2	453.7
10°	261.7	265.8	278.4	300.6	325.7	357.7	388.3	431.5	456.5	470.4	476.0
12.5°	203.2	214.3	231.0	254.7	286.7	335.4	392.5	437.0	480.2	496.9	508.0
15°	128.0	137.8	164.2	201.8	245.0	302.0	381.3	445.4	505.2	521.9	540.0
17.5°	82.1	83.5	91.9	132.2	187.9	260.3	364.6	457.9	533.0	556.7	584.5
20°	69.6	72.4	73.8	79.3	125.3	214.3	329.9	473.2	566.5	598.5	624.9
22.5°	58.5	59.8	62.6	66.8	75.2	155.9	282.5	473.2	595.7	643.0	673.6
25°	47.3	50.1	52.9	57.1	65.4	97.4	233.8	464.9	630.5	688.9	727.9
27.5°	41.8	41.8	44.5	48.7	55.7	68.2	185.1	439.8	656.9	716.8	768.3
30°	36.2	37.6	39.0	43.1	50.1	59.8	128.0	399.4	684.8	771.0	829.5
32.5°	32.0	32.0	34.8	37.6	44.5	54.3	82.1	338.2	720.9	812.8	894.9
35°	29.2	29.2	30.6	33.4	40.4	48.7	64.0	286.7	764.1	892.1	982.6
37.5°	26.4	26.4	27.8	30.6	36.2	43.1	58.5	246.3	808.6	971.5	1103.7
40°	23.7	23.7	25.1	27.8	32.0	39.0	52.9	199.0	864.3	1088.4	1235.9
42.5°	20.9	20.9	22.3	25.1	29.2	34.8	45.9	148.9	938.1	1215.0	1407.1
45°	18.1	18.1	19.5	22.3	25.1	32.0	41.8	114.1	1018.8	1355.6	1557.4
47.5°	15.3	16.7	18.1	20.9	23.7	29.2	37.6	100.2	1098.1	1504.5	1724.4
50°	13.9	13.9	15.3	18.1	22.3	26.4	34.8	98.8	1178.8	1618.6	1895.6
52.5°	12.5	12.5	13.9	16.7	20.9	25.1	33.4	101.6	1245.6	1724.4	2015.3
55°	11.1	11.1	12.5	13.9	18.1	23.7	30.6	104.4	1293.0	1831.6	2111.3
57.5°	9.7	9.7	11.1	13.9	16.7	20.9	27.8	107.2	1369.5	1937.4	2250.5
60°	7.0	7.0	9.7	12.5	15.3	18.1	26.4	110.0	1492.0	2083.5	2368.8
62.5°	4.2	4.2	5.6	9.7	12.5	16.7	23.7	104.4	1606.1	2271.4	2549.7
65°	1.4	2.8	4.2	5.6	9.7	13.9	19.5	94.6	1702.1	2459.3	2716.7
67.5°	0.0	0.0	1.4	4.2	8.4	11.1	16.7	69.6	1717.4	2544.2	2887.9
70°	0.0	0.0	1.4	4.2	7.0	11.1	15.3	39.0	1462.8	2272.8	2647.2
72.5°	0.0	0.0	0.0	2.8	7.0	9.7	13.9	29.2	1078.6	1713.3	2091.8
75°	0.0	0.0	0.0	1.4	5.6	8.4	12.5	22.3	655.5	1142.6	1365.3
77.5°	0.0	0.0	0.0	1.4	4.2	8.4	12.5	19.5	231.0	544.2	641.6
80°	0.0	0.0	0.0	2.8	5.6	8.4	11.1	16.7	55.7	136.4	183.7
82.5°	0.0	0.0	0.0	1.4	4.2	7.0	9.7	13.9	22.3	40.4	64.0
85°	0.0	0.0	0.0	1.4	2.8	7.0	9.7	12.5	15.3	19.5	27.8
87.5°	0.0	0.0	0.0	0.0	1.4	2.8	4.2	5.6	5.6	5.6	9.7
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: P676243
 CATALOG NUMBER: CCW-SA-1C-727-U-T2-HSS

CANDELA DISTRIBUTION (continued):

	276°	285°	295°	305°	315°	325°	335°	345°	355°	360°
0°	424.5	424.5	424.5	424.5	424.5	424.5	424.5	424.5	424.5	424.5
2.5°	428.7	434.2	437.0	442.6	445.4	444.0	442.6	446.8	444.0	439.8
5°	444.0	444.0	448.2	449.5	449.5	445.4	448.2	446.8	444.0	444.0
7.5°	460.7	467.6	467.6	459.3	457.9	455.1	455.1	444.0	439.8	444.0
10°	477.4	482.9	484.3	474.6	462.1	456.5	449.5	435.6	428.7	431.5
12.5°	512.2	512.2	496.9	485.7	469.0	449.5	432.8	413.4	403.6	406.4
15°	537.2	542.8	521.9	496.9	467.6	431.5	413.4	398.0	392.5	388.3
17.5°	585.9	574.8	541.4	505.2	463.5	425.9	413.4	399.4	395.3	395.3
20°	627.7	622.1	572.0	506.6	462.1	437.0	428.7	421.7	420.3	416.1
22.5°	684.8	659.7	595.7	521.9	477.4	455.1	452.3	459.3	455.1	452.3
25°	727.9	707.0	613.8	544.2	501.0	494.1	498.3	505.2	494.1	489.9
27.5°	786.4	747.4	648.6	573.4	533.0	540.0	553.9	555.3	548.4	552.5
30°	840.6	798.9	675.0	606.8	587.3	594.3	615.2	630.5	620.7	615.2
32.5°	918.6	854.5	727.9	662.5	655.5	673.6	697.3	707.0	694.5	691.7
35°	1000.7	918.6	782.2	725.1	737.6	762.7	783.6	800.3	780.8	789.1
37.5°	1128.7	1021.6	874.0	823.9	829.5	839.2	878.2	924.1	933.9	917.2
40°	1262.3	1132.9	958.9	920.0	932.5	958.9	1004.9	1048.0	1070.3	1048.0
42.5°	1416.8	1240.1	1089.8	1043.8	1056.4	1093.9	1155.2	1190.0	1187.2	1153.8
45°	1607.5	1389.0	1212.2	1155.2	1201.1	1234.5	1295.7	1299.9	1273.5	1265.1
47.5°	1753.6	1514.3	1344.5	1308.3	1370.9	1372.3	1386.2	1387.6	1358.4	1348.6
50°	1915.1	1659.0	1492.0	1439.1	1544.9	1496.2	1458.6	1433.5	1389.0	1368.1
52.5°	2073.7	1762.0	1628.4	1574.1	1684.0	1554.6	1486.4	1409.9	1344.5	1322.2
55°	2158.6	1931.8	1827.4	1700.7	1714.7	1571.3	1400.1	1304.1	1192.8	1187.2
57.5°	2258.9	2045.9	1995.8	1787.0	1663.2	1454.4	1220.6	1093.9	974.2	960.3
60°	2377.2	2226.8	2174.0	1773.1	1480.8	1222.0	967.3	804.4	691.7	682.0
62.5°	2509.4	2441.2	2283.9	1636.7	1176.0	860.1	638.8	502.4	398.0	392.5
65°	2718.1	2620.7	2342.4	1377.9	778.0	551.1	424.5	325.7	263.0	260.3
67.5°	2849.0	2688.9	2211.5	982.6	431.5	364.6	297.8	236.6	182.3	171.2
70°	2663.9	2467.6	1749.5	562.3	250.5	277.0	229.6	158.7	125.3	122.5
72.5°	2128.0	1831.6	1177.4	264.4	155.9	217.1	167.0	107.2	75.2	72.4
75°	1451.6	1152.4	739.0	122.5	110.0	158.7	122.5	62.6	52.9	52.9
77.5°	648.6	587.3	378.6	75.2	82.1	121.1	71.0	43.1	39.0	37.6
80°	197.6	207.4	154.5	51.5	61.2	91.9	43.1	29.2	23.7	22.3
82.5°	66.8	77.9	69.6	30.6	41.8	65.4	29.2	19.5	16.7	16.7
85°	32.0	39.0	34.8	19.5	22.3	32.0	23.7	15.3	9.7	9.7
87.5°	12.5	18.1	12.5	8.4	12.5	16.7	9.7	7.0	2.8	2.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)