

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: P676315

Luminaire Tested: **CCW-SA-2C-827-U-T2-HSS**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P676315
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-2C-827-U-T2-HSS
Description: INVUE CLEAR CURVE Wall Pack MOUNT Light Square Luminaire @615mA w/
T2 distribution lens and House Side Shield
Light Source: (32) 2700K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5131.3 lumens
Efficiency: N/A
Efficacy: 82.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

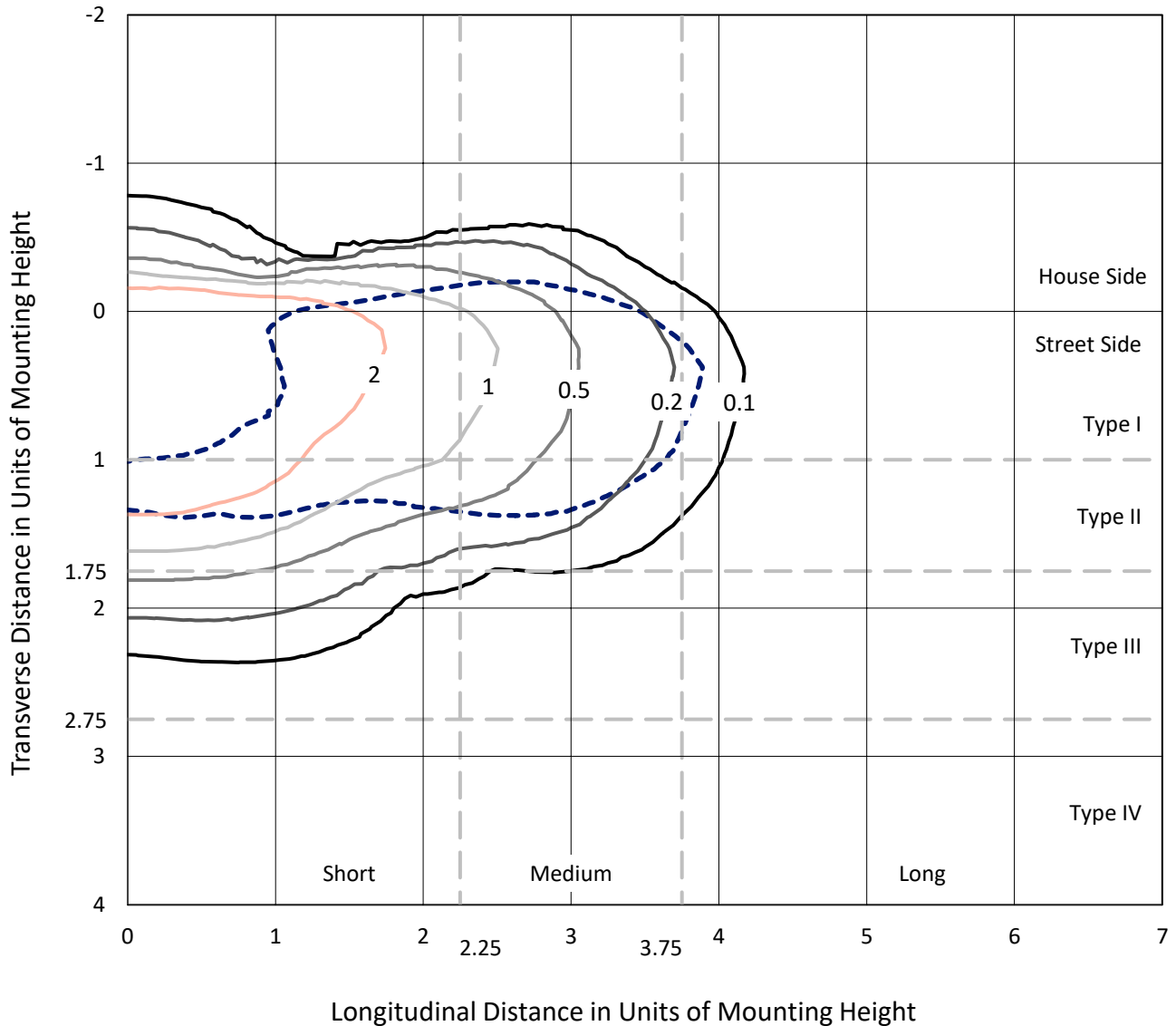
Input Watts (W): 62.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



REPORT NUMBER: P676315
 CATALOG NUMBER: CCW-SA-2C-827-U-T2-HSS

Iso-Footcandle Lines of Horizontal Illumination

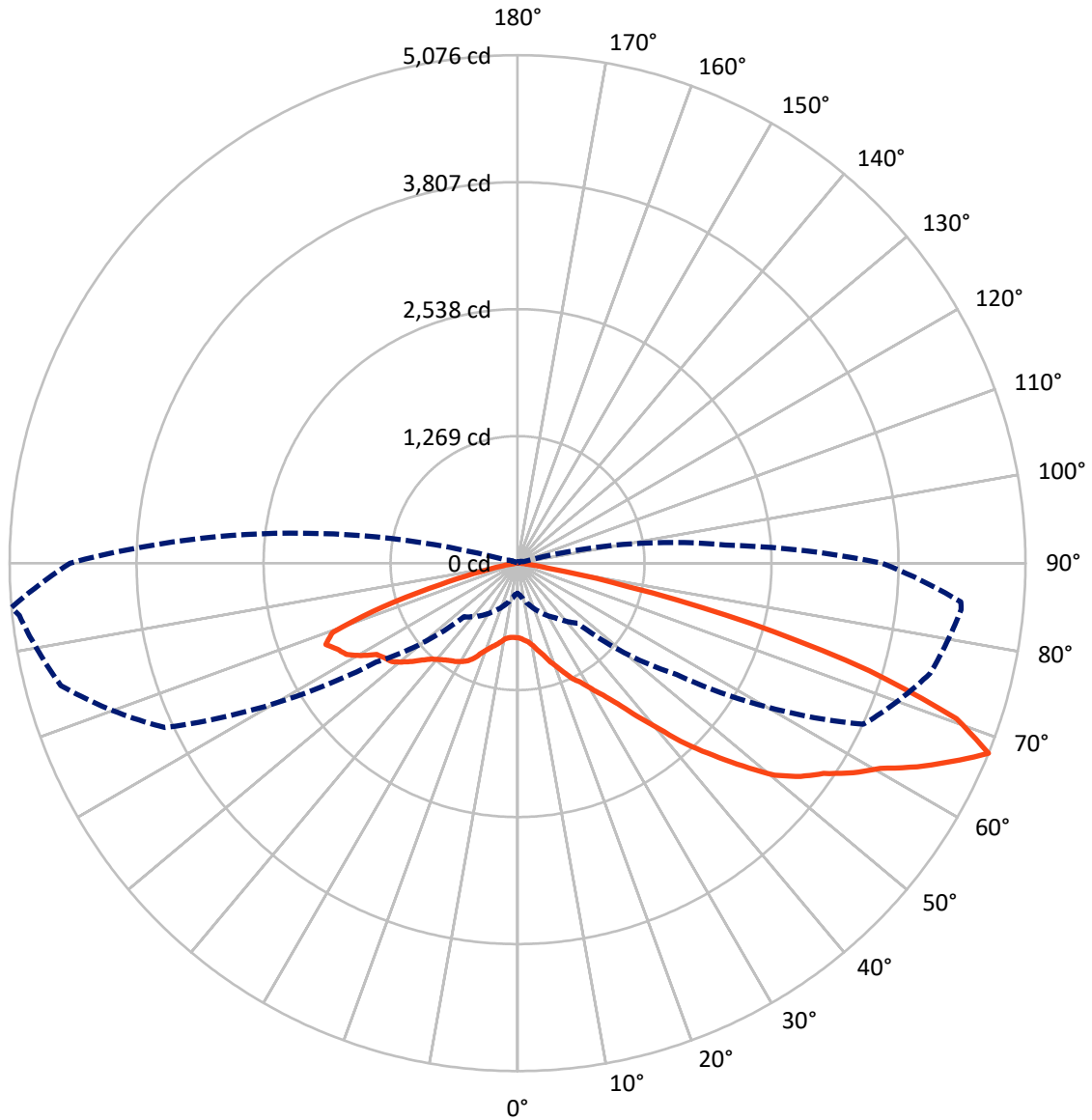
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 3.9 fc
 Type II - Short - N/A

REPORT NUMBER: P676315
CATALOG NUMBER: CCW-SA-2C-827-U-T2-HSS

Luminous Intensity Polar Plot



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

REPORT NUMBER: P676315
 CATALOG NUMBER: CCW-SA-2C-827-U-T2-HSS

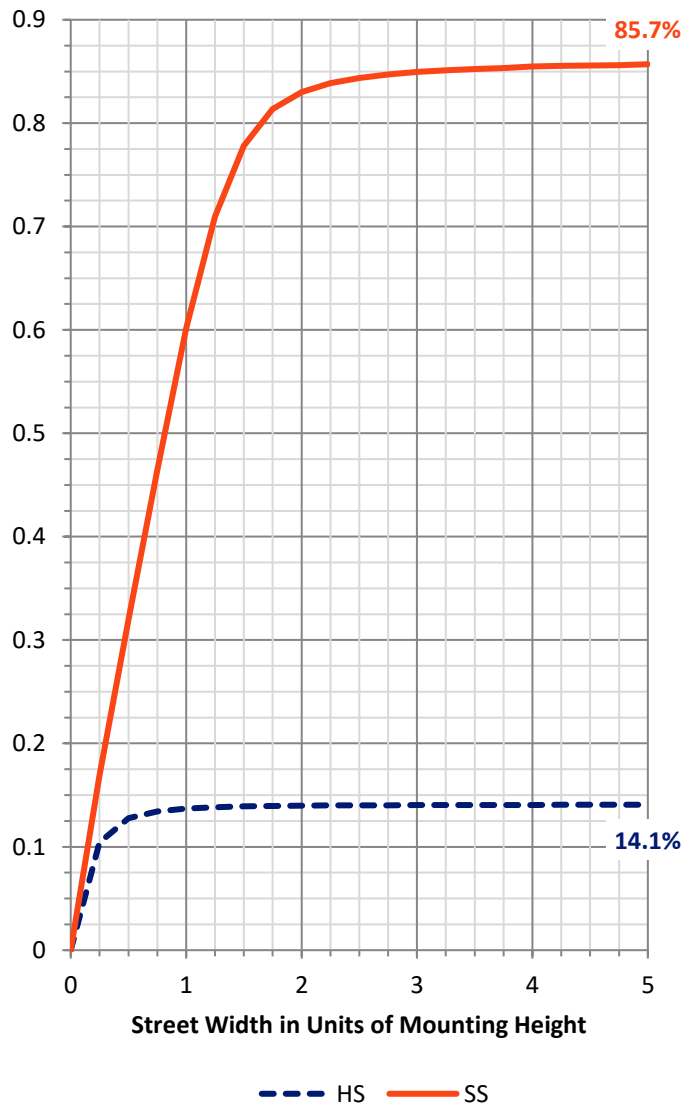
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	729.0	0.0	729.0
	% Fixture	14.2	0.0	14.2
Street Side	Lumens	4402.3	0.0	4402.3
	% Fixture	85.8	0.0	85.8
Total	Lumens	5131.3	0.0	5131.3
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	68.0	1.3
10°-20°	183.0	3.6
20°-30°	303.8	5.9
30°-40°	522.7	10.2
40°-50°	939.4	18.3
50°-60°	1337.3	26.1
60°-70°	1219.2	23.8
70°-80°	519.2	10.1
80°-90°	38.6	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°	5131.3	100.0
0°-180°	5131.3	100.0



REPORT NUMBER: P676315

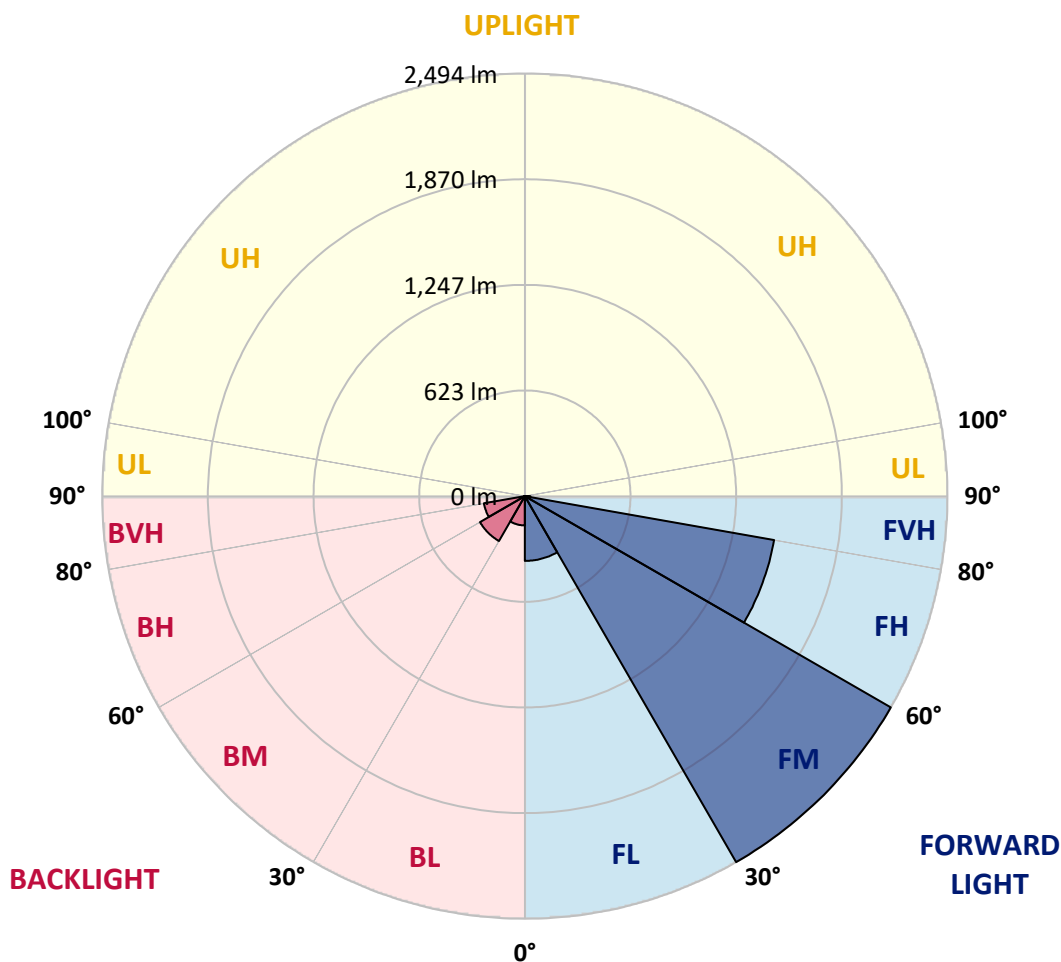
CATALOG NUMBER: CCW-SA-2C-827-U-T2-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	382.3	7.4			
FM (30°-60°)	2493.8	48.6			
FH (60°-80°)	1493.4	29.1			G1/1800
FVH (80°-90°)	32.8	0.6			G1/100
BL (0°-30°)	172.6	3.4	B1/500		
BM (30°-60°)	305.6	6.0	B1/1000		
BH (60°-80°)	244.9	4.8	B1/500		G1/500
BVH (80°-90°)	5.8	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: P676315

CATALOG NUMBER: CCW-SA-2C-827-U-T2-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	84°	85°
0°	746.2	746.2	746.2	746.2	746.2	746.2	746.2	746.2	746.2	746.2	746.2
2.5°	773.1	780.4	780.4	778.0	770.6	765.7	763.3	758.4	753.5	753.5	756.0
5°	780.4	773.1	782.9	770.6	770.6	770.6	780.4	775.5	773.1	760.8	760.8
7.5°	780.4	773.1	773.1	780.4	773.1	778.0	790.2	785.3	795.1	773.1	778.0
10°	758.4	756.0	760.8	770.6	773.1	782.9	795.1	819.6	822.0	807.3	804.9
12.5°	714.4	711.9	729.0	733.9	763.3	787.8	824.5	844.0	866.0	858.7	844.0
15°	682.6	687.5	699.7	719.3	746.2	790.2	831.8	875.8	915.0	905.2	900.3
17.5°	694.8	692.3	694.8	707.0	741.3	785.3	856.3	907.6	963.9	963.9	968.8
20°	731.5	738.8	736.4	729.0	746.2	782.9	856.3	946.8	1039.7	1032.4	1032.4
22.5°	795.1	797.5	782.9	778.0	775.5	797.5	870.9	995.7	1103.3	1118.0	1113.1
25°	861.1	863.6	858.7	844.0	824.5	829.3	897.8	1034.8	1191.4	1215.9	1211.0
27.5°	971.2	968.8	956.6	939.4	910.1	888.1	939.4	1064.2	1259.9	1301.5	1289.3
30°	1081.3	1074.0	1056.9	1034.8	1007.9	966.3	990.8	1120.5	1345.5	1384.7	1357.8
32.5°	1215.9	1201.2	1206.1	1171.8	1115.6	1049.5	1044.6	1171.8	1414.0	1470.3	1448.3
35°	1387.1	1370.0	1345.5	1313.7	1259.9	1171.8	1144.9	1255.0	1529.0	1570.6	1570.6
37.5°	1612.2	1629.3	1600.0	1467.9	1409.2	1326.0	1269.7	1340.7	1629.3	1729.6	1705.2
40°	1842.2	1856.9	1803.0	1705.2	1578.0	1475.2	1441.0	1480.1	1781.0	1900.9	1854.4
42.5°	2028.1	2047.7	2028.1	1900.9	1800.6	1668.5	1607.3	1644.0	1976.7	2121.1	2059.9
45°	2223.8	2243.4	2221.4	2138.2	2040.3	1964.5	1810.4	1856.9	2182.2	2397.5	2329.0
47.5°	2370.6	2395.1	2355.9	2338.8	2260.5	2248.3	1986.5	2037.9	2397.5	2676.4	2590.8
50°	2404.9	2431.8	2466.0	2485.6	2458.7	2488.0	2223.8	2267.9	2622.6	2933.3	2850.1
52.5°	2324.1	2351.0	2426.9	2517.4	2642.2	2730.2	2463.6	2500.3	2857.4	3146.1	3102.1
55°	2086.8	2111.3	2265.4	2387.7	2686.2	2830.5	2693.5	2847.7	3026.3	3368.8	3261.1
57.5°	1688.0	1717.4	1920.5	2108.8	2539.4	2774.3	2830.5	3136.3	3305.1	3532.7	3407.9
60°	1198.8	1215.9	1392.0	1724.7	2133.3	2492.9	2803.6	3351.6	3525.3	3752.8	3686.8
62.5°	689.9	704.6	888.1	1201.2	1609.8	2081.9	2683.7	3554.7	3762.6	3995.0	3958.3
65°	457.5	462.4	587.1	758.4	1047.1	1533.9	2380.4	3735.7	3997.5	4188.3	4146.7
67.5°	300.9	327.8	425.7	543.1	670.3	848.9	1940.0	3811.6	4266.6	4457.4	4447.6
70°	215.3	225.1	305.8	418.3	504.0	477.1	1135.1	3275.8	4254.4	4530.8	4450.1
72.5°	127.2	137.0	203.1	313.1	396.3	303.4	530.9	2316.8	3525.3	3615.8	3593.8
75°	93.0	93.0	124.8	225.1	288.7	217.7	249.5	1465.4	2341.2	2541.9	2539.4
77.5°	66.1	68.5	85.6	134.6	222.6	159.0	137.0	814.7	1279.5	1399.4	1333.3
80°	39.1	41.6	58.7	80.7	161.5	115.0	90.5	371.9	491.7	496.6	472.2
82.5°	29.4	29.4	39.1	56.3	112.5	78.3	56.3	141.9	159.0	144.3	122.3
85°	17.1	14.7	29.4	41.6	66.1	44.0	39.1	66.1	73.4	53.8	48.9
87.5°	4.9	4.9	12.2	14.7	29.4	24.5	17.1	24.5	34.3	19.6	14.7
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: P676315
 CATALOG NUMBER: CCW-SA-2C-827-U-T2-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	746.2	746.2	746.2	746.2	746.2	746.2	746.2	746.2	746.2	746.2	746.2
2.5°	751.1	743.7	731.5	726.6	709.5	702.1	697.2	685.0	687.5	680.1	680.1
5°	743.7	743.7	719.3	692.3	665.4	648.3	628.7	604.3	604.3	594.5	596.9
7.5°	770.6	751.1	719.3	670.3	626.3	587.1	570.0	545.6	530.9	523.5	523.5
10°	787.8	768.2	714.4	655.6	599.4	550.4	513.8	479.5	459.9	459.9	457.5
12.5°	834.2	804.9	733.9	653.2	570.0	496.6	440.4	401.2	374.3	354.7	359.6
15°	873.4	841.6	743.7	633.6	518.6	415.9	347.4	274.0	237.3	217.7	210.4
17.5°	934.5	875.8	765.7	599.4	440.4	325.4	225.1	163.9	149.2	146.8	146.8
20°	985.9	917.4	768.2	533.3	362.1	207.9	144.3	134.6	127.2	124.8	122.3
22.5°	1056.9	971.2	758.4	457.5	259.3	139.4	122.3	112.5	107.6	100.3	100.3
25°	1130.3	1042.2	738.8	386.5	159.0	119.9	107.6	97.9	88.1	83.2	85.6
27.5°	1208.5	1096.0	682.6	300.9	122.3	105.2	88.1	80.7	75.8	73.4	73.4
30°	1272.2	1130.3	599.4	200.6	110.1	93.0	78.3	70.9	66.1	63.6	63.6
32.5°	1318.6	1159.6	506.4	134.6	100.3	83.2	70.9	63.6	58.7	56.3	56.3
35°	1396.9	1181.6	420.8	115.0	90.5	73.4	61.2	56.3	51.4	51.4	51.4
37.5°	1516.8	1211.0	335.2	105.2	83.2	66.1	58.7	51.4	48.9	46.5	46.5
40°	1622.0	1247.7	239.8	95.4	75.8	61.2	51.4	46.5	44.0	41.6	41.6
42.5°	1773.7	1289.3	156.6	85.6	68.5	56.3	46.5	41.6	39.1	36.7	36.7
45°	1966.9	1357.8	122.3	75.8	61.2	51.4	44.0	39.1	34.3	34.3	31.8
47.5°	2172.4	1441.0	110.1	70.9	56.3	46.5	39.1	34.3	31.8	29.4	29.4
50°	2363.3	1521.7	102.8	66.1	51.4	44.0	36.7	31.8	26.9	24.5	24.5
52.5°	2534.5	1597.5	97.9	61.2	48.9	39.1	31.8	26.9	24.5	22.0	22.0
55°	2625.0	1631.8	95.4	58.7	44.0	36.7	29.4	24.5	22.0	19.6	19.6
57.5°	2766.9	1675.8	93.0	56.3	41.6	31.8	26.9	22.0	19.6	17.1	17.1
60°	2996.9	1820.2	90.5	53.8	39.1	31.8	24.5	19.6	14.7	12.2	12.2
62.5°	3187.7	1940.0	80.7	46.5	34.3	26.9	19.6	14.7	9.8	7.3	7.3
65°	3405.4	1996.3	70.9	41.6	29.4	22.0	14.7	9.8	7.3	2.4	2.4
67.5°	3642.8	2081.9	58.7	36.7	26.9	17.1	12.2	7.3	2.4	0.0	0.0
70°	3518.0	1974.3	48.9	31.8	24.5	14.7	9.8	4.9	0.0	0.0	0.0
72.5°	2757.1	1414.0	39.1	29.4	22.0	14.7	9.8	2.4	0.0	0.0	0.0
75°	1842.2	800.0	34.3	24.5	17.1	12.2	7.3	2.4	0.0	0.0	0.0
77.5°	1000.6	359.6	29.4	22.0	14.7	9.8	7.3	2.4	0.0	0.0	0.0
80°	325.4	141.9	24.5	19.6	14.7	9.8	7.3	2.4	0.0	0.0	0.0
82.5°	88.1	44.0	24.5	19.6	14.7	9.8	7.3	2.4	0.0	0.0	0.0
85°	36.7	29.4	24.5	19.6	14.7	9.8	7.3	2.4	0.0	0.0	0.0
87.5°	14.7	9.8	9.8	12.2	9.8	7.3	4.9	2.4	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: P676315
 CATALOG NUMBER: CCW-SA-2C-827-U-T2-HSS

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	746.2	746.2	746.2	746.2	746.2	746.2	746.2	746.2	746.2	746.2	746.2
2.5°	682.6	687.5	689.9	689.9	702.1	714.4	729.0	741.3	741.3	748.6	756.0
5°	599.4	604.3	611.6	633.6	658.1	685.0	711.9	731.5	758.4	770.6	778.0
7.5°	530.9	535.8	555.3	577.4	611.6	658.1	704.6	748.6	775.5	787.8	797.5
10°	459.9	467.3	489.3	528.4	572.5	628.7	682.6	758.4	802.4	826.9	836.7
12.5°	357.2	376.8	406.1	447.7	504.0	589.6	689.9	768.2	844.0	873.4	893.0
15°	225.1	242.2	288.7	354.7	430.6	530.9	670.3	782.9	888.1	917.4	949.2
17.5°	144.3	146.8	161.5	232.4	330.3	457.5	641.0	804.9	937.0	978.6	1027.5
20°	122.3	127.2	129.7	139.4	220.2	376.8	579.8	831.8	995.7	1052.0	1098.5
22.5°	102.8	105.2	110.1	117.4	132.1	274.0	496.6	831.8	1047.1	1130.3	1184.1
25°	83.2	88.1	93.0	100.3	115.0	171.3	411.0	817.1	1108.2	1211.0	1279.5
27.5°	73.4	73.4	78.3	85.6	97.9	119.9	325.4	773.1	1154.7	1259.9	1350.4
30°	63.6	66.1	68.5	75.8	88.1	105.2	225.1	702.1	1203.6	1355.3	1458.1
32.5°	56.3	56.3	61.2	66.1	78.3	95.4	144.3	594.5	1267.3	1428.7	1573.1
35°	51.4	51.4	53.8	58.7	70.9	85.6	112.5	504.0	1343.1	1568.2	1727.2
37.5°	46.5	46.5	48.9	53.8	63.6	75.8	102.8	433.0	1421.4	1707.6	1940.0
40°	41.6	41.6	44.0	48.9	56.3	68.5	93.0	349.8	1519.2	1913.1	2172.4
42.5°	36.7	36.7	39.1	44.0	51.4	61.2	80.7	261.8	1648.9	2135.7	2473.4
45°	31.8	31.8	34.3	39.1	44.0	56.3	73.4	200.6	1790.8	2382.8	2737.6
47.5°	26.9	29.4	31.8	36.7	41.6	51.4	66.1	176.1	1930.2	2644.6	3031.1
50°	24.5	24.5	26.9	31.8	39.1	46.5	61.2	173.7	2072.1	2845.2	3332.1
52.5°	22.0	22.0	24.5	29.4	36.7	44.0	58.7	178.6	2189.6	3031.1	3542.4
55°	19.6	19.6	22.0	24.5	31.8	41.6	53.8	183.5	2272.7	3219.5	3711.3
57.5°	17.1	17.1	19.6	24.5	29.4	36.7	48.9	188.4	2407.3	3405.4	3955.9
60°	12.2	12.2	17.1	22.0	26.9	31.8	46.5	193.3	2622.6	3662.3	4163.8
62.5°	7.3	7.3	9.8	17.1	22.0	29.4	41.6	183.5	2823.2	3992.6	4481.9
65°	2.4	4.9	7.3	9.8	17.1	24.5	34.3	166.4	2992.0	4322.9	4775.5
67.5°	0.0	0.0	2.4	7.3	14.7	19.6	29.4	122.3	3018.9	4472.1	5076.4
70°	0.0	0.0	2.4	7.3	12.2	19.6	26.9	68.5	2571.2	3995.0	4653.1
72.5°	0.0	0.0	0.0	4.9	12.2	17.1	24.5	51.4	1896.0	3011.6	3677.0
75°	0.0	0.0	0.0	2.4	9.8	14.7	22.0	39.1	1152.3	2008.5	2400.0
77.5°	0.0	0.0	0.0	2.4	7.3	14.7	22.0	34.3	406.1	956.6	1127.8
80°	0.0	0.0	0.0	4.9	9.8	14.7	19.6	29.4	97.9	239.8	322.9
82.5°	0.0	0.0	0.0	2.4	7.3	12.2	17.1	24.5	39.1	70.9	112.5
85°	0.0	0.0	0.0	2.4	4.9	12.2	17.1	22.0	26.9	34.3	48.9
87.5°	0.0	0.0	0.0	0.0	2.4	4.9	7.3	9.8	9.8	9.8	17.1
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: P676315
 CATALOG NUMBER: CCW-SA-2C-827-U-T2-HSS

CANDELA DISTRIBUTION (continued):

	276°	285°	295°	305°	315°	325°	335°	345°	355°	360°
0°	746.2	746.2	746.2	746.2	746.2	746.2	746.2	746.2	746.2	746.2
2.5°	753.5	763.3	768.2	778.0	782.9	780.4	778.0	785.3	780.4	773.1
5°	780.4	780.4	787.8	790.2	790.2	782.9	787.8	785.3	780.4	780.4
7.5°	809.8	822.0	822.0	807.3	804.9	800.0	800.0	780.4	773.1	780.4
10°	839.1	848.9	851.4	834.2	812.2	802.4	790.2	765.7	753.5	758.4
12.5°	900.3	900.3	873.4	853.8	824.5	790.2	760.8	726.6	709.5	714.4
15°	944.3	954.1	917.4	873.4	822.0	758.4	726.6	699.7	689.9	682.6
17.5°	1030.0	1010.4	951.7	888.1	814.7	748.6	726.6	702.1	694.8	694.8
20°	1103.3	1093.6	1005.5	890.5	812.2	768.2	753.5	741.3	738.8	731.5
22.5°	1203.6	1159.6	1047.1	917.4	839.1	800.0	795.1	807.3	800.0	795.1
25°	1279.5	1242.8	1078.9	956.6	880.7	868.5	875.8	888.1	868.5	861.1
27.5°	1382.2	1313.7	1140.0	1007.9	937.0	949.2	973.7	976.1	963.9	971.2
30°	1477.7	1404.3	1186.5	1066.6	1032.4	1044.6	1081.3	1108.2	1091.1	1081.3
32.5°	1614.7	1502.1	1279.5	1164.5	1152.3	1184.1	1225.7	1242.8	1220.8	1215.9
35°	1759.0	1614.7	1374.9	1274.6	1296.6	1340.7	1377.3	1406.7	1372.5	1387.1
37.5°	1984.1	1795.7	1536.4	1448.3	1458.1	1475.2	1543.7	1624.4	1641.6	1612.2
40°	2218.9	1991.4	1685.6	1617.1	1639.1	1685.6	1766.3	1842.2	1881.3	1842.2
42.5°	2490.5	2179.8	1915.6	1834.8	1856.9	1922.9	2030.5	2091.7	2086.8	2028.1
45°	2825.6	2441.6	2130.9	2030.5	2111.3	2170.0	2277.6	2285.0	2238.5	2223.8
47.5°	3082.5	2661.7	2363.3	2299.7	2409.7	2412.2	2436.7	2439.1	2387.7	2370.6
50°	3366.3	2916.2	2622.6	2529.6	2715.6	2629.9	2563.9	2519.8	2441.6	2404.9
52.5°	3645.2	3097.2	2862.3	2766.9	2960.2	2732.7	2612.8	2478.2	2363.3	2324.1
55°	3794.4	3395.7	3212.2	2989.6	3014.0	2762.0	2461.1	2292.3	2096.6	2086.8
57.5°	3970.6	3596.3	3508.2	3141.2	2923.5	2556.5	2145.5	1922.9	1712.5	1688.0
60°	4178.5	3914.3	3821.3	3116.8	2603.0	2148.0	1700.3	1414.0	1215.9	1198.8
62.5°	4410.9	4291.1	4014.6	2877.0	2067.2	1511.9	1122.9	883.2	699.7	689.9
65°	4777.9	4606.7	4117.4	2422.0	1367.6	968.8	746.2	572.5	462.4	457.5
67.5°	5007.9	4726.5	3887.4	1727.2	758.4	641.0	523.5	415.9	320.5	300.9
70°	4682.5	4337.5	3075.2	988.4	440.4	486.8	403.7	278.9	220.2	215.3
72.5°	3740.6	3219.5	2069.7	464.8	274.0	381.6	293.6	188.4	132.1	127.2
75°	2551.6	2025.7	1299.1	215.3	193.3	278.9	215.3	110.1	93.0	93.0
77.5°	1140.0	1032.4	665.4	132.1	144.3	212.8	124.8	75.8	68.5	66.1
80°	347.4	364.5	271.6	90.5	107.6	161.5	75.8	51.4	41.6	39.1
82.5°	117.4	137.0	122.3	53.8	73.4	115.0	51.4	34.3	29.4	29.4
85°	56.3	68.5	61.2	34.3	39.1	56.3	41.6	26.9	17.1	17.1
87.5°	22.0	31.8	22.0	14.7	22.0	29.4	17.1	12.2	4.9	4.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)