

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: P676276

Luminaire Tested: **CCW-SA-1C-740-U-T2-HSS**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P676276
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-1C-740-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) 4000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

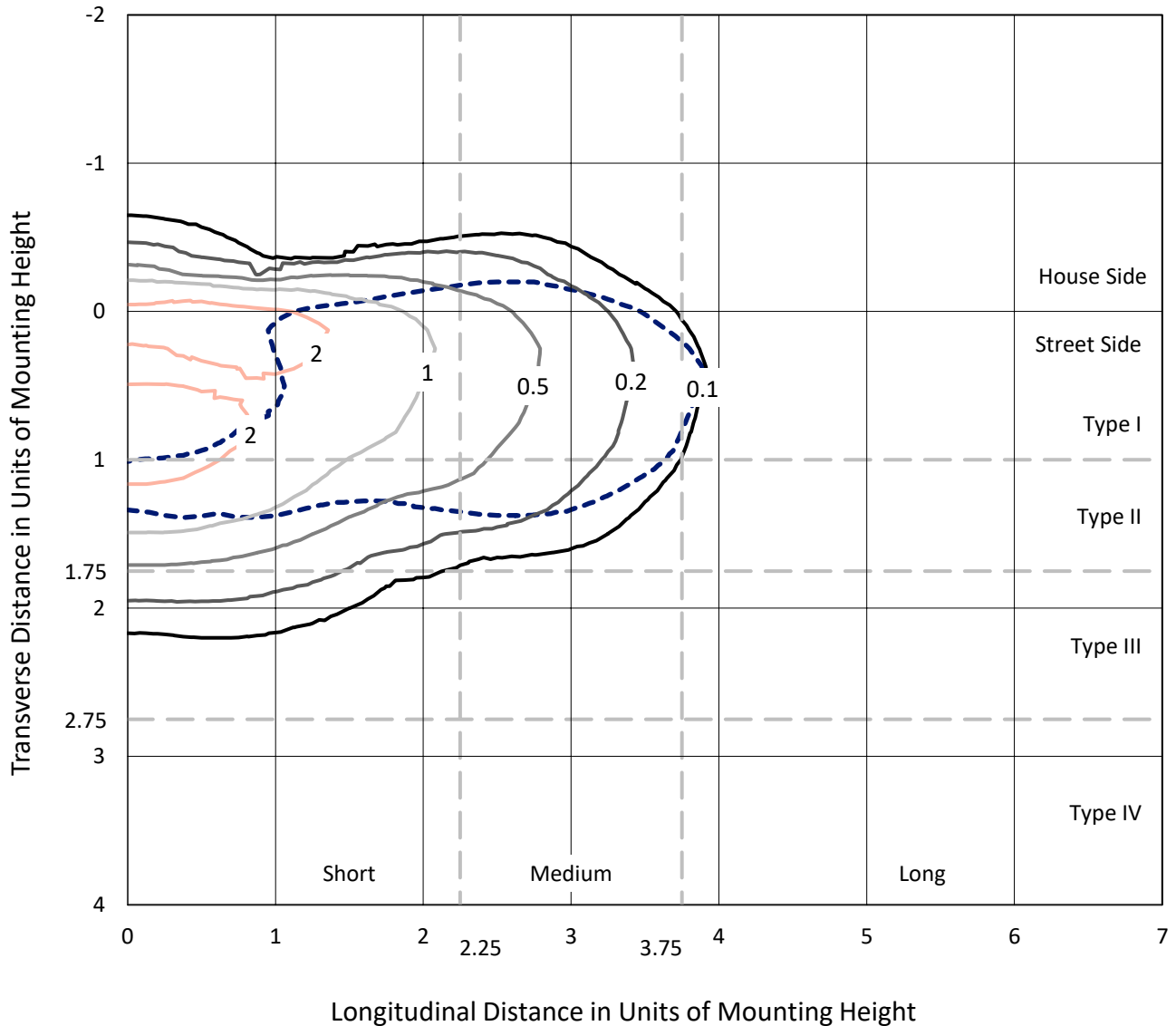
Lumens per Lamp: N/A
Luminaire Lumens: 3490.6 lumens
Efficiency: N/A
Efficacy: 109.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

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: P676276
 CATALOG NUMBER: CCW-SA-1C-740-U-T2-HSS

Iso-Footcandle Lines of Horizontal Illumination

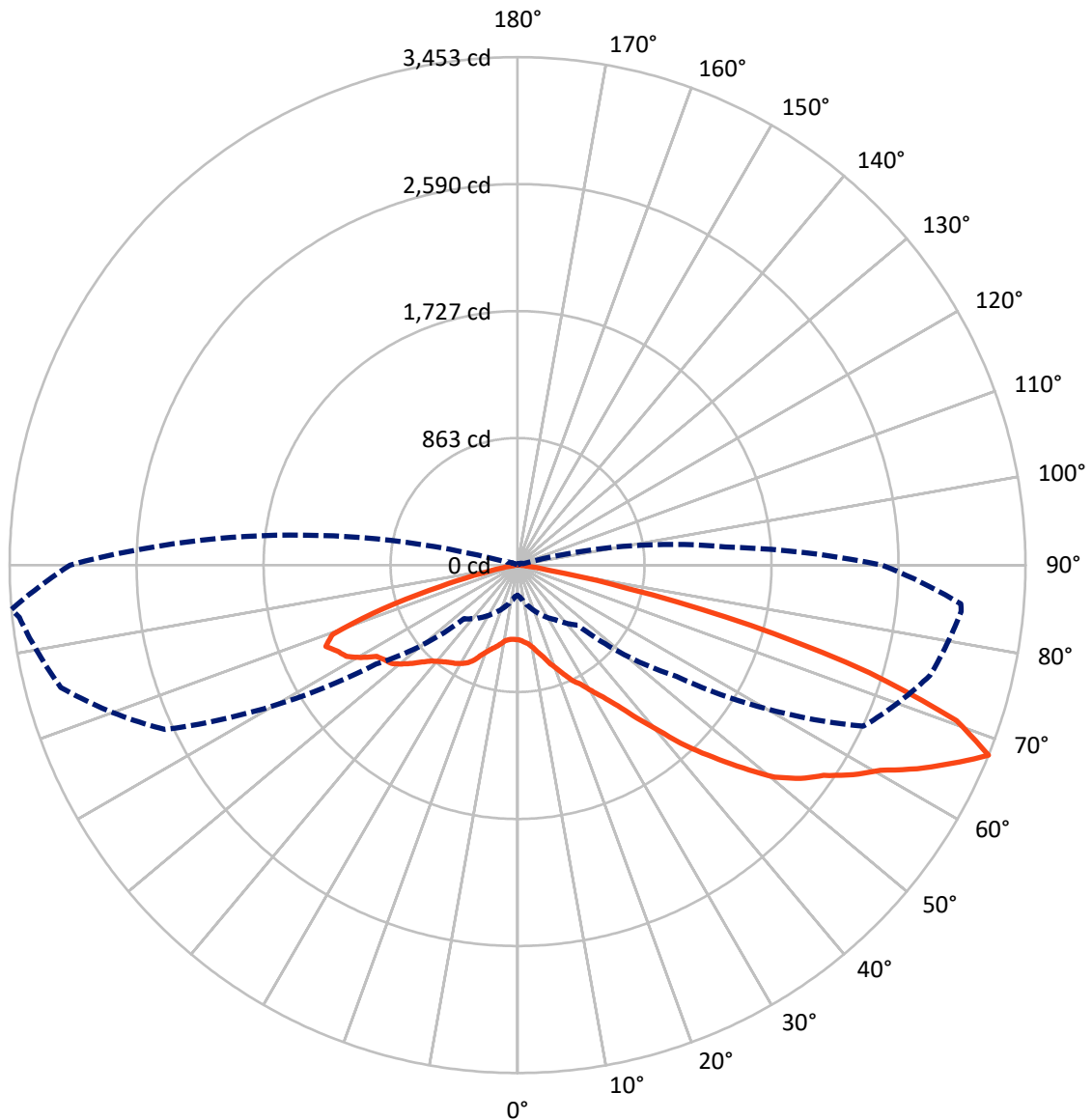
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 2.7 fc
 Type II - Short - N/A

REPORT NUMBER: P676276
CATALOG NUMBER: CCW-SA-1C-740-U-T2-HSS

Luminous Intensity Polar Plot



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

REPORT NUMBER: P676276

CATALOG NUMBER: CCW-SA-1C-740-U-T2-HSS

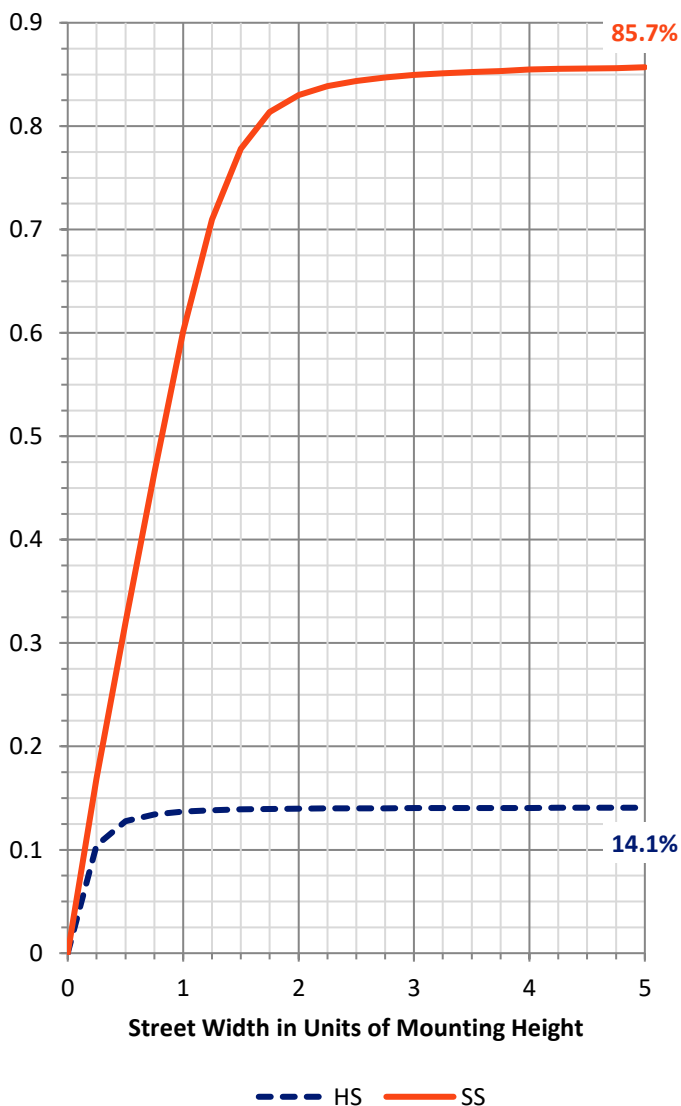
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	495.9	0.0	495.9
	% Fixture	14.2	0.0	14.2
Street Side	Lumens	2994.7	0.0	2994.7
	% Fixture	85.8	0.0	85.8
Total	Lumens	3490.6	0.0	3490.6
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	46.3	1.3
10°-20°	124.5	3.6
20°-30°	206.7	5.9
30°-40°	355.6	10.2
40°-50°	639.0	18.3
50°-60°	909.7	26.1
60°-70°	829.4	23.8
70°-80°	353.2	10.1
80°-90°	26.3	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°	3490.6	100.0
0°-180°	3490.6	100.0



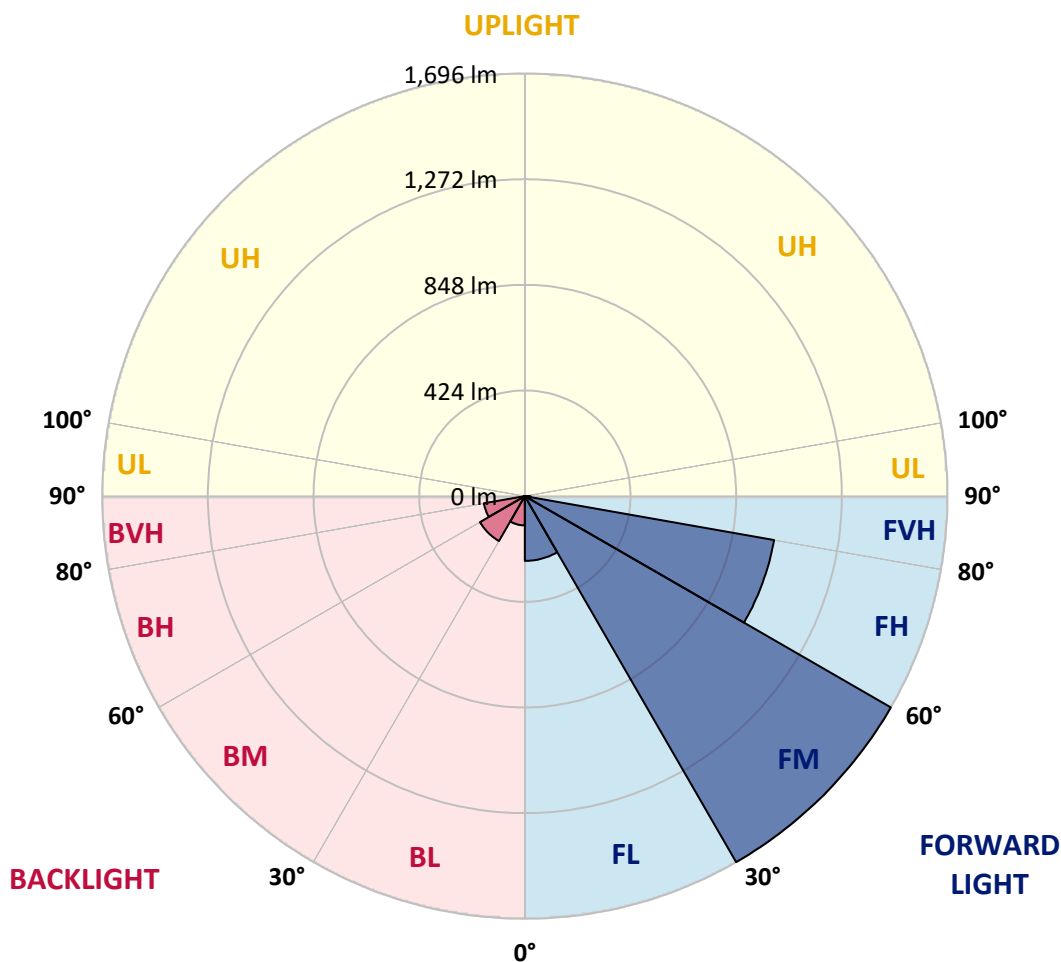
REPORT NUMBER: P676276
 CATALOG NUMBER: CCW-SA-1C-740-U-T2-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	260.0	7.4			
FM (30°-60°)	1696.4	48.6			
FH (60°-80°)	1015.9	29.1			G1/1800
FVH (80°-90°)	22.3	0.6			G1/100
BL (0°-30°)	117.4	3.4	B1/500		
BM (30°-60°)	207.9	6.0	B0/220		
BH (60°-80°)	166.6	4.8	B1/500		G1/500
BVH (80°-90°)	4.0	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type II Short





REPORT NUMBER: P676276
 CATALOG NUMBER: CCW-SA-1C-740-U-T2-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	84°	85°
0°	507.6	507.6	507.6	507.6	507.6	507.6	507.6	507.6	507.6	507.6	507.6
2.5°	525.9	530.9	530.9	529.2	524.2	520.9	519.2	515.9	512.6	512.6	514.2
5°	530.9	525.9	532.5	524.2	524.2	524.2	530.9	527.6	525.9	517.6	517.6
7.5°	530.9	525.9	525.9	530.9	525.9	529.2	537.5	534.2	540.9	525.9	529.2
10°	515.9	514.2	517.6	524.2	525.9	532.5	540.9	557.5	559.2	549.2	547.5
12.5°	485.9	484.3	495.9	499.3	519.2	535.9	560.8	574.2	589.1	584.1	574.2
15°	464.3	467.6	476.0	489.3	507.6	537.5	565.8	595.8	622.4	615.8	612.4
17.5°	472.6	471.0	472.6	481.0	504.3	534.2	582.5	617.4	655.7	655.7	659.0
20°	497.6	502.6	500.9	495.9	507.6	532.5	582.5	644.0	707.3	702.3	702.3
22.5°	540.9	542.5	532.5	529.2	527.6	542.5	592.5	677.3	750.6	760.5	757.2
25°	585.8	587.5	584.1	574.2	560.8	564.2	610.8	704.0	810.5	827.1	823.8
27.5°	660.7	659.0	650.7	639.1	619.1	604.1	639.1	723.9	857.1	885.4	877.0
30°	735.6	730.6	718.9	704.0	685.7	657.4	674.0	762.2	915.3	941.9	923.6
32.5°	827.1	817.1	820.5	797.2	758.9	713.9	710.6	797.2	961.9	1000.2	985.2
35°	943.6	932.0	915.3	893.7	857.1	797.2	778.8	853.7	1040.1	1068.4	1068.4
37.5°	1096.7	1108.4	1088.4	998.5	958.6	902.0	863.7	912.0	1108.4	1176.6	1160.0
40°	1253.1	1263.1	1226.5	1160.0	1073.4	1003.5	980.2	1006.8	1211.5	1293.1	1261.5
42.5°	1379.6	1392.9	1379.6	1293.1	1224.9	1135.0	1093.4	1118.3	1344.7	1442.9	1401.3
45°	1512.8	1526.1	1511.1	1454.5	1387.9	1336.4	1231.5	1263.1	1484.5	1630.9	1584.3
47.5°	1612.6	1629.3	1602.6	1591.0	1537.7	1529.4	1351.3	1386.3	1630.9	1820.6	1762.4
50°	1635.9	1654.2	1677.5	1690.8	1672.5	1692.5	1512.8	1542.7	1784.0	1995.4	1938.8
52.5°	1581.0	1599.3	1650.9	1712.5	1797.3	1857.3	1675.9	1700.8	1943.8	2140.2	2110.2
55°	1419.6	1436.2	1541.1	1624.3	1827.3	1925.5	1832.3	1937.1	2058.6	2291.6	2218.4
57.5°	1148.3	1168.3	1306.4	1434.5	1727.4	1887.2	1925.5	2133.5	2248.3	2403.1	2318.2
60°	815.5	827.1	946.9	1173.3	1451.2	1695.8	1907.2	2280.0	2398.1	2552.9	2508.0
62.5°	469.3	479.3	604.1	817.1	1095.0	1416.2	1825.6	2418.1	2559.5	2717.6	2692.7
65°	311.2	314.5	399.4	515.9	712.3	1043.5	1619.3	2541.2	2719.3	2849.1	2820.8
67.5°	204.7	223.0	289.6	369.5	456.0	577.5	1319.7	2592.8	2902.4	3032.2	3025.5
70°	146.5	153.1	208.0	284.6	342.8	324.5	772.2	2228.4	2894.1	3082.1	3027.2
72.5°	86.5	93.2	138.1	213.0	269.6	206.4	361.1	1576.0	2398.1	2459.7	2444.7
75°	63.2	63.2	84.9	153.1	196.4	148.1	169.7	996.9	1592.6	1729.1	1727.4
77.5°	44.9	46.6	58.2	91.5	151.4	108.2	93.2	554.2	870.4	951.9	907.0
80°	26.6	28.3	39.9	54.9	109.8	78.2	61.6	253.0	334.5	337.8	321.2
82.5°	20.0	20.0	26.6	38.3	76.6	53.3	38.3	96.5	108.2	98.2	83.2
85°	11.6	10.0	20.0	28.3	44.9	30.0	26.6	44.9	49.9	36.6	33.3
87.5°	3.3	3.3	8.3	10.0	20.0	16.6	11.6	16.6	23.3	13.3	10.0
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: P676276
 CATALOG NUMBER: CCW-SA-1C-740-U-T2-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	507.6	507.6	507.6	507.6	507.6	507.6	507.6	507.6	507.6	507.6	507.6
2.5°	510.9	505.9	497.6	494.3	482.6	477.6	474.3	466.0	467.6	462.6	462.6
5°	505.9	505.9	489.3	471.0	452.7	441.0	427.7	411.1	411.1	404.4	406.1
7.5°	524.2	510.9	489.3	456.0	426.0	399.4	387.8	371.1	361.1	356.1	356.1
10°	535.9	522.6	485.9	446.0	407.7	374.4	349.5	326.2	312.9	312.9	311.2
12.5°	567.5	547.5	499.3	444.3	387.8	337.8	299.6	272.9	254.6	241.3	244.6
15°	594.1	572.5	505.9	431.0	352.8	282.9	236.3	186.4	161.4	148.1	143.1
17.5°	635.7	595.8	520.9	407.7	299.6	221.3	153.1	111.5	101.5	99.9	99.9
20°	670.7	624.1	522.6	362.8	246.3	141.5	98.2	91.5	86.5	84.9	83.2
22.5°	718.9	660.7	515.9	311.2	176.4	94.9	83.2	76.6	73.2	68.2	68.2
25°	768.9	709.0	502.6	262.9	108.2	81.5	73.2	66.6	59.9	56.6	58.2
27.5°	822.1	745.6	464.3	204.7	83.2	71.6	59.9	54.9	51.6	49.9	49.9
30°	865.4	768.9	407.7	136.5	74.9	63.2	53.3	48.3	44.9	43.3	43.3
32.5°	897.0	788.8	344.5	91.5	68.2	56.6	48.3	43.3	39.9	38.3	38.3
35°	950.3	803.8	286.2	78.2	61.6	49.9	41.6	38.3	34.9	34.9	34.9
37.5°	1031.8	823.8	228.0	71.6	56.6	44.9	39.9	34.9	33.3	31.6	31.6
40°	1103.4	848.7	163.1	64.9	51.6	41.6	34.9	31.6	30.0	28.3	28.3
42.5°	1206.5	877.0	106.5	58.2	46.6	38.3	31.6	28.3	26.6	25.0	25.0
45°	1338.0	923.6	83.2	51.6	41.6	34.9	30.0	26.6	23.3	23.3	21.6
47.5°	1477.8	980.2	74.9	48.3	38.3	31.6	26.6	23.3	21.6	20.0	20.0
50°	1607.6	1035.1	69.9	44.9	34.9	30.0	25.0	21.6	18.3	16.6	16.6
52.5°	1724.1	1086.7	66.6	41.6	33.3	26.6	21.6	18.3	16.6	15.0	15.0
55°	1785.7	1110.0	64.9	39.9	30.0	25.0	20.0	16.6	15.0	13.3	13.3
57.5°	1882.2	1140.0	63.2	38.3	28.3	21.6	18.3	15.0	13.3	11.6	11.6
60°	2038.7	1238.2	61.6	36.6	26.6	21.6	16.6	13.3	10.0	8.3	8.3
62.5°	2168.5	1319.7	54.9	31.6	23.3	18.3	13.3	10.0	6.7	5.0	5.0
65°	2316.6	1358.0	48.3	28.3	20.0	15.0	10.0	6.7	5.0	1.7	1.7
67.5°	2478.0	1416.2	39.9	25.0	18.3	11.6	8.3	5.0	1.7	0.0	0.0
70°	2393.1	1343.0	33.3	21.6	16.6	10.0	6.7	3.3	0.0	0.0	0.0
72.5°	1875.6	961.9	26.6	20.0	15.0	10.0	6.7	1.7	0.0	0.0	0.0
75°	1253.1	544.2	23.3	16.6	11.6	8.3	5.0	1.7	0.0	0.0	0.0
77.5°	680.7	244.6	20.0	15.0	10.0	6.7	5.0	1.7	0.0	0.0	0.0
80°	221.3	96.5	16.6	13.3	10.0	6.7	5.0	1.7	0.0	0.0	0.0
82.5°	59.9	30.0	16.6	13.3	10.0	6.7	5.0	1.7	0.0	0.0	0.0
85°	25.0	20.0	16.6	13.3	10.0	6.7	5.0	1.7	0.0	0.0	0.0
87.5°	10.0	6.7	6.7	8.3	6.7	5.0	3.3	1.7	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: P676276
 CATALOG NUMBER: CCW-SA-1C-740-U-T2-HSS

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	507.6	507.6	507.6	507.6	507.6	507.6	507.6	507.6	507.6	507.6	507.6
2.5°	464.3	467.6	469.3	469.3	477.6	485.9	495.9	504.3	504.3	509.2	514.2
5°	407.7	411.1	416.1	431.0	447.7	466.0	484.3	497.6	515.9	524.2	529.2
7.5°	361.1	364.5	377.8	392.8	416.1	447.7	479.3	509.2	527.6	535.9	542.5
10°	312.9	317.9	332.8	359.5	389.4	427.7	464.3	515.9	545.9	562.5	569.2
12.5°	243.0	256.3	276.3	304.5	342.8	401.1	469.3	522.6	574.2	594.1	607.4
15°	153.1	164.8	196.4	241.3	292.9	361.1	456.0	532.5	604.1	624.1	645.7
17.5°	98.2	99.9	109.8	158.1	224.7	311.2	436.0	547.5	637.4	665.7	699.0
20°	83.2	86.5	88.2	94.9	149.8	256.3	394.4	565.8	677.3	715.6	747.2
22.5°	69.9	71.6	74.9	79.9	89.9	186.4	337.8	565.8	712.3	768.9	805.5
25°	56.6	59.9	63.2	68.2	78.2	116.5	279.6	555.8	753.9	823.8	870.4
27.5°	49.9	49.9	53.3	58.2	66.6	81.5	221.3	525.9	785.5	857.1	918.6
30°	43.3	44.9	46.6	51.6	59.9	71.6	153.1	477.6	818.8	922.0	991.9
32.5°	38.3	38.3	41.6	44.9	53.3	64.9	98.2	404.4	862.1	971.9	1070.1
35°	34.9	34.9	36.6	39.9	48.3	58.2	76.6	342.8	913.6	1066.8	1174.9
37.5°	31.6	31.6	33.3	36.6	43.3	51.6	69.9	294.6	966.9	1161.6	1319.7
40°	28.3	28.3	30.0	33.3	38.3	46.6	63.2	238.0	1033.5	1301.4	1477.8
42.5°	25.0	25.0	26.6	30.0	34.9	41.6	54.9	178.1	1121.7	1452.9	1682.5
45°	21.6	21.6	23.3	26.6	30.0	38.3	49.9	136.5	1218.2	1620.9	1862.2
47.5°	18.3	20.0	21.6	25.0	28.3	34.9	44.9	119.8	1313.1	1799.0	2062.0
50°	16.6	16.6	18.3	21.6	26.6	31.6	41.6	118.2	1409.6	1935.5	2266.6
52.5°	15.0	15.0	16.6	20.0	25.0	30.0	39.9	121.5	1489.5	2062.0	2409.8
55°	13.3	13.3	15.0	16.6	21.6	28.3	36.6	124.8	1546.0	2190.1	2524.6
57.5°	11.6	11.6	13.3	16.6	20.0	25.0	33.3	128.1	1637.6	2316.6	2691.0
60°	8.3	8.3	11.6	15.0	18.3	21.6	31.6	131.5	1784.0	2491.3	2832.5
62.5°	5.0	5.0	6.7	11.6	15.0	20.0	28.3	124.8	1920.5	2716.0	3048.8
65°	1.7	3.3	5.0	6.7	11.6	16.6	23.3	113.2	2035.3	2940.7	3248.5
67.5°	0.0	0.0	1.7	5.0	10.0	13.3	20.0	83.2	2053.6	3042.2	3453.2
70°	0.0	0.0	1.7	5.0	8.3	13.3	18.3	46.6	1749.1	2717.6	3165.3
72.5°	0.0	0.0	0.0	3.3	8.3	11.6	16.6	34.9	1289.8	2048.6	2501.3
75°	0.0	0.0	0.0	1.7	6.7	10.0	15.0	26.6	783.8	1366.3	1632.6
77.5°	0.0	0.0	0.0	1.7	5.0	10.0	15.0	23.3	276.3	650.7	767.2
80°	0.0	0.0	0.0	3.3	6.7	10.0	13.3	20.0	66.6	163.1	219.7
82.5°	0.0	0.0	0.0	1.7	5.0	8.3	11.6	16.6	26.6	48.3	76.6
85°	0.0	0.0	0.0	1.7	3.3	8.3	11.6	15.0	18.3	23.3	33.3
87.5°	0.0	0.0	0.0	0.0	1.7	3.3	5.0	6.7	6.7	6.7	11.6
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: P676276
 CATALOG NUMBER: CCW-SA-1C-740-U-T2-HSS

CANDELA DISTRIBUTION (continued):

	276°	285°	295°	305°	315°	325°	335°	345°	355°	360°
0°	507.6	507.6	507.6	507.6	507.6	507.6	507.6	507.6	507.6	507.6
2.5°	512.6	519.2	522.6	529.2	532.5	530.9	529.2	534.2	530.9	525.9
5°	530.9	530.9	535.9	537.5	537.5	532.5	535.9	534.2	530.9	530.9
7.5°	550.9	559.2	559.2	549.2	547.5	544.2	544.2	530.9	525.9	530.9
10°	570.8	577.5	579.1	567.5	552.5	545.9	537.5	520.9	512.6	515.9
12.5°	612.4	612.4	594.1	580.8	560.8	537.5	517.6	494.3	482.6	485.9
15°	642.4	649.0	624.1	594.1	559.2	515.9	494.3	476.0	469.3	464.3
17.5°	700.6	687.3	647.4	604.1	554.2	509.2	494.3	477.6	472.6	472.6
20°	750.6	743.9	684.0	605.8	552.5	522.6	512.6	504.3	502.6	497.6
22.5°	818.8	788.8	712.3	624.1	570.8	544.2	540.9	549.2	544.2	540.9
25°	870.4	845.4	733.9	650.7	599.1	590.8	595.8	604.1	590.8	585.8
27.5°	940.3	893.7	775.5	685.7	637.4	645.7	662.4	664.0	655.7	660.7
30°	1005.2	955.3	807.1	725.6	702.3	710.6	735.6	753.9	742.2	735.6
32.5°	1098.4	1021.8	870.4	792.2	783.8	805.5	833.8	845.4	830.4	827.1
35°	1196.6	1098.4	935.3	867.1	882.0	912.0	936.9	956.9	933.6	943.6
37.5°	1349.7	1221.5	1045.1	985.2	991.9	1003.5	1050.1	1105.0	1116.7	1096.7
40°	1509.4	1354.7	1146.6	1100.0	1115.0	1146.6	1201.6	1253.1	1279.8	1253.1
42.5°	1694.2	1482.8	1303.1	1248.2	1263.1	1308.1	1381.3	1422.9	1419.6	1379.6
45°	1922.2	1660.9	1449.5	1381.3	1436.2	1476.1	1549.4	1554.4	1522.7	1512.8
47.5°	2096.9	1810.7	1607.6	1564.4	1639.2	1640.9	1657.5	1659.2	1624.3	1612.6
50°	2289.9	1983.7	1784.0	1720.8	1847.3	1789.0	1744.1	1714.1	1660.9	1635.9
52.5°	2479.7	2106.9	1947.1	1882.2	2013.7	1858.9	1777.4	1685.8	1607.6	1581.0
55°	2581.2	2309.9	2185.1	2033.7	2050.3	1878.9	1674.2	1559.4	1426.2	1419.6
57.5°	2701.0	2446.4	2386.5	2136.8	1988.7	1739.1	1459.5	1308.1	1164.9	1148.3
60°	2842.5	2662.7	2599.5	2120.2	1770.7	1461.2	1156.6	961.9	827.1	815.5
62.5°	3000.6	2919.0	2731.0	1957.1	1406.3	1028.5	763.9	600.8	476.0	469.3
65°	3250.2	3133.7	2800.9	1647.6	930.3	659.0	507.6	389.4	314.5	311.2
67.5°	3406.6	3215.2	2644.4	1174.9	515.9	436.0	356.1	282.9	218.0	204.7
70°	3185.3	2950.6	2091.9	672.3	299.6	331.2	274.6	189.7	149.8	146.5
72.5°	2544.6	2190.1	1407.9	316.2	186.4	259.6	199.7	128.1	89.9	86.5
75°	1735.8	1378.0	883.7	146.5	131.5	189.7	146.5	74.9	63.2	63.2
77.5°	775.5	702.3	452.7	89.9	98.2	144.8	84.9	51.6	46.6	44.9
80°	236.3	248.0	184.7	61.6	73.2	109.8	51.6	34.9	28.3	26.6
82.5°	79.9	93.2	83.2	36.6	49.9	78.2	34.9	23.3	20.0	20.0
85°	38.3	46.6	41.6	23.3	26.6	38.3	28.3	18.3	11.6	11.6
87.5°	15.0	21.6	15.0	10.0	15.0	20.0	11.6	8.3	3.3	3.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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