

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: P675824

Luminaire Tested: **CCW-SA-1E-730-U-SLL**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P675824
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-1E-730-U-SLL
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @1050mA w/
SLL distribution lens
Light Source: (16) 3000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

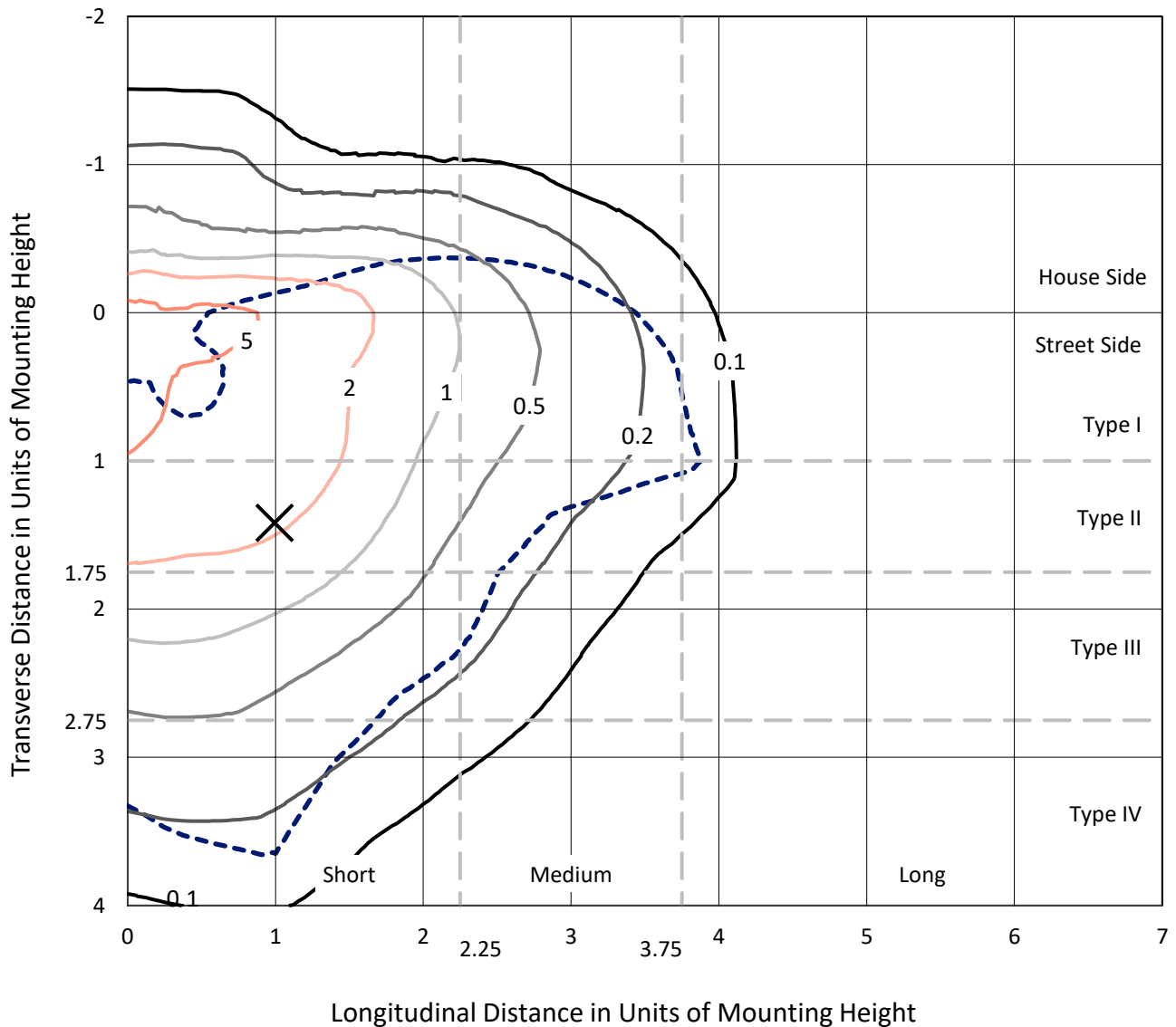
Lumens per Lamp: N/A
Luminaire Lumens: 5165.7 lumens
Efficiency: N/A
Efficacy: 92.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

Input Watts (W): 56.1
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: P675824
 CATALOG NUMBER: CCW-SA-1E-730-U-SLL

Iso-Footcandle Lines of Horizontal Illumination

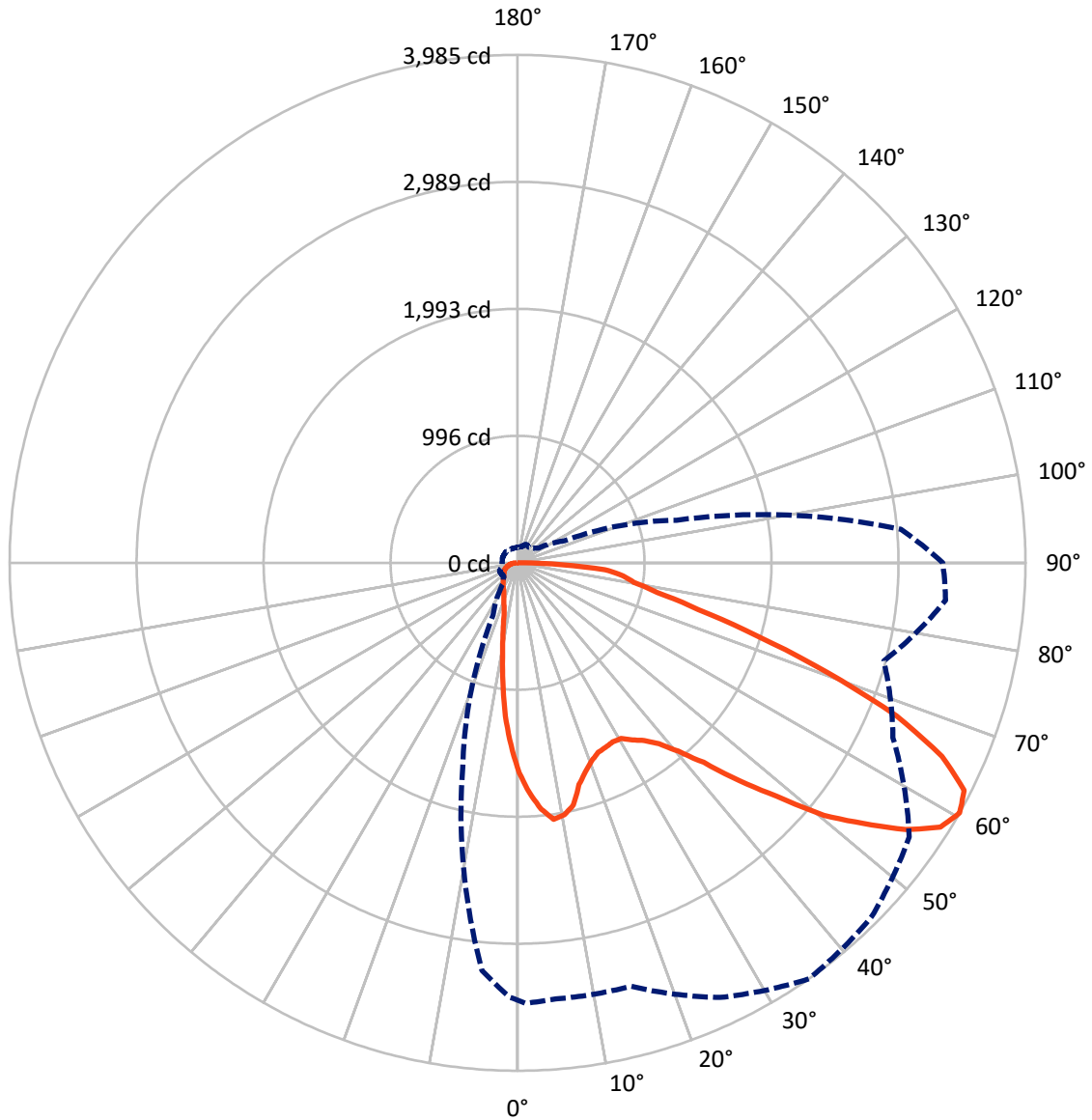
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 8.4 fc
 Type IV - Short - N/A

REPORT NUMBER: P675824
CATALOG NUMBER: CCW-SA-1E-730-U-SLL

Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 60-Deg Vertical

REPORT NUMBER: P675824
 CATALOG NUMBER: CCW-SA-1E-730-U-SLL

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	983.1	0.0	983.1
	% Fixture	19.0	0.0	19.0
Street Side	Lumens	4182.6	0.0	4182.6
	% Fixture	81.0	0.0	81.0
Total	Lumens	5165.7	0.0	5165.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	128.2	2.5
10°-20°	270.6	5.2
20°-30°	395.9	7.7
30°-40°	557.9	10.8
40°-50°	766.7	14.8
50°-60°	1044.9	20.2
60°-70°	1143.6	22.1
70°-80°	660.2	12.8
80°-90°	197.7	3.8
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°	5165.7	100.0
0°-180°	5165.7	100.0

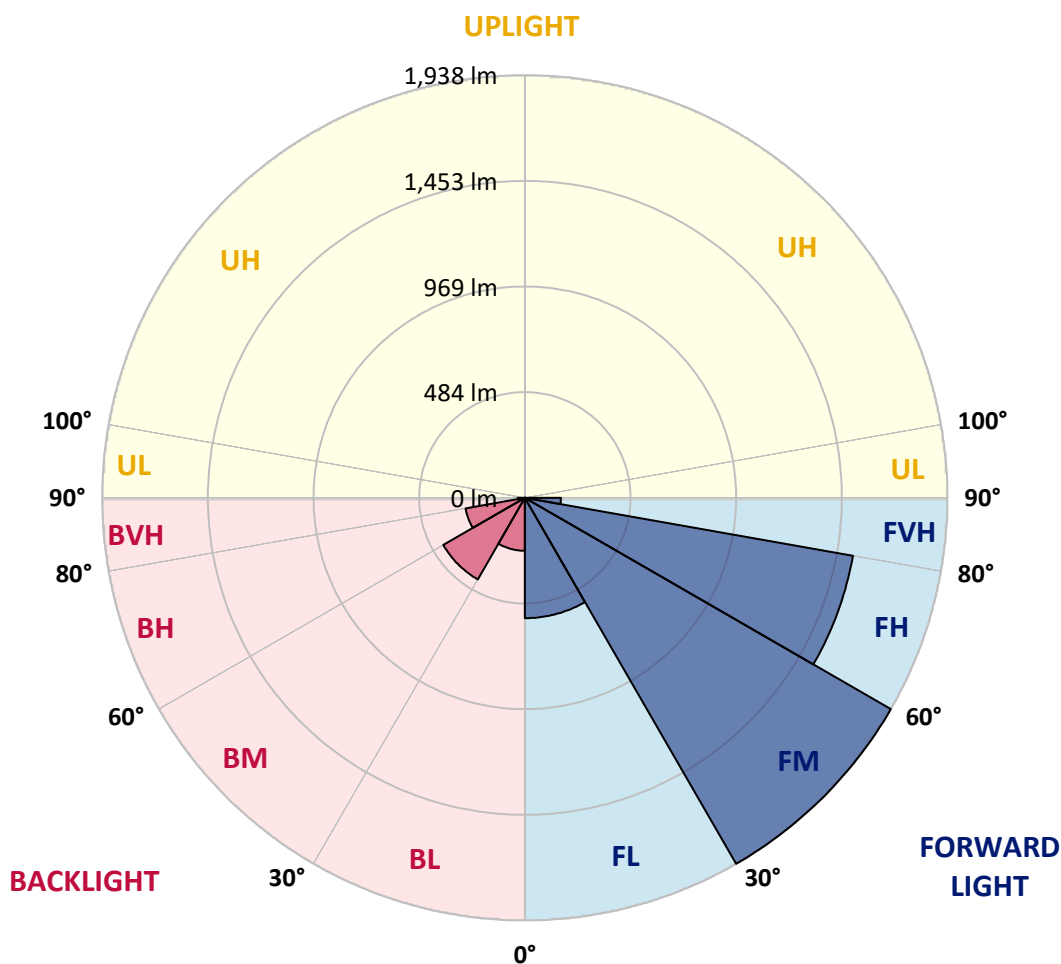


REPORT NUMBER: P675824
 CATALOG NUMBER: CCW-SA-1E-730-U-SLL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	551.9	10.7			
FM (30°-60°)	1937.6	37.5			
FH (60°-80°)	1527.7	29.6			G1/1800
FVH (80°-90°)	165.5	3.2			G2/225
BL (0°-30°)	242.9	4.7	B1/500		
BM (30°-60°)	431.9	8.4	B1/1000		
BH (60°-80°)	276.1	5.3	B1/500		G1/500
BVH (80°-90°)	32.2	0.6			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2
 Type IV Short





REPORT NUMBER: P675824

CATALOG NUMBER: CCW-SA-1E-730-U-SLL

CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1649.9	1649.9	1649.9	1649.9	1649.9	1649.9	1649.9	1649.9	1649.9	1649.9	1649.9
2.5°	1766.8	1759.9	1766.8	1792.0	1798.8	1810.3	1810.3	1794.3	1764.5	1750.7	1727.8
5°	1805.7	1794.3	1851.6	1904.3	1945.5	1940.9	1902.0	1869.9	1810.3	1720.9	1636.1
7.5°	1727.8	1739.3	1780.5	1918.0	2014.3	2032.6	1970.7	1906.5	1778.2	1654.5	1539.9
10°	1581.2	1597.2	1686.6	1828.6	1979.9	2009.7	1970.7	1892.8	1739.3	1585.7	1452.8
12.5°	1510.1	1546.8	1599.5	1771.3	1879.1	1950.1	1931.8	1881.3	1709.5	1528.4	1400.1
15°	1510.1	1519.3	1597.2	1741.6	1803.4	1805.7	1812.6	1821.8	1718.6	1553.7	1381.8
17.5°	1558.2	1583.4	1649.9	1739.3	1750.7	1723.2	1723.2	1762.2	1737.0	1624.7	1448.2
20°	1675.1	1665.9	1753.0	1789.7	1727.8	1659.1	1652.2	1718.6	1757.6	1700.3	1569.7
22.5°	1792.0	1833.2	1904.3	1821.8	1707.2	1615.5	1606.4	1688.9	1819.5	1830.9	1709.5
25°	1968.4	2009.7	2046.3	1945.5	1704.9	1604.1	1610.9	1675.1	1895.1	2016.5	1943.2
27.5°	2158.6	2183.8	2236.5	2080.7	1759.9	1590.3	1597.2	1693.4	1966.1	2138.0	2126.5
30°	2266.3	2293.8	2282.4	2105.9	1796.6	1599.5	1581.2	1718.6	1927.2	2138.0	2245.7
32.5°	2371.7	2355.7	2348.8	2147.2	1842.4	1656.8	1610.9	1771.3	1950.1	2172.4	2399.2
35°	2500.1	2477.1	2458.8	2227.4	1918.0	1711.8	1691.1	1840.1	2000.5	2243.4	2523.0
37.5°	2642.1	2642.1	2552.8	2286.9	2007.4	1801.1	1778.2	1938.6	2080.7	2286.9	2692.5
40°	2809.4	2816.3	2658.2	2367.1	2108.2	1943.2	1936.3	2067.0	2158.6	2351.1	2855.2
42.5°	2933.2	2937.7	2749.8	2396.9	2225.1	2140.3	2170.1	2273.2	2248.0	2408.4	2866.7
45°	3017.9	2995.0	2814.0	2481.7	2353.4	2435.9	2445.1	2474.8	2364.9	2442.8	2912.5
47.5°	3059.2	3054.6	2841.5	2580.3	2623.8	2736.1	2788.8	2747.5	2472.6	2406.1	2912.5
50°	3100.4	3061.5	2866.7	2715.5	2887.3	3114.2	3102.7	3027.1	2621.5	2451.9	2869.0
52.5°	3127.9	3093.6	2917.1	2836.9	3139.4	3396.0	3441.9	3302.1	2795.7	2536.7	2889.6
55°	3226.5	3199.0	3068.4	3001.9	3430.4	3693.9	3700.8	3506.0	2979.0	2676.5	3024.8
57.5°	3345.6	3361.7	3276.9	3235.6	3652.7	3911.6	3886.4	3657.3	3134.8	2846.1	3180.6
60°	3430.4	3455.6	3435.0	3439.6	3762.7	3985.0	3927.7	3751.2	3249.4	2974.4	3370.8
62.5°	3384.6	3435.0	3519.8	3501.5	3767.3	3932.3	3852.1	3627.5	3263.1	3141.7	3515.2
65°	3258.6	3263.1	3428.1	3529.0	3561.0	3659.6	3554.2	3368.5	3121.1	3244.8	3494.6
67.5°	2935.4	2972.1	3121.1	3318.1	3182.9	3205.8	3196.7	2928.6	2905.7	3173.8	3336.5
70°	2591.7	2616.9	2779.6	3011.1	2688.0	2580.3	2600.9	2401.5	2495.5	2953.8	3017.9
72.5°	2142.6	2158.6	2344.2	2548.2	2156.3	1963.8	2012.0	1849.3	1982.2	2584.8	2545.9
75°	1617.8	1647.6	1792.0	2032.6	1588.0	1464.3	1512.4	1446.0	1569.7	2128.8	1975.3
77.5°	1150.3	1127.4	1306.2	1590.3	1193.9	1120.6	1125.1	1136.6	1269.5	1794.3	1418.5
80°	783.7	790.6	951.0	1166.4	937.2	925.8	914.3	1006.0	1065.6	1420.7	1031.2
82.5°	465.2	465.2	641.6	829.5	740.2	834.1	781.4	863.9	834.1	1044.9	676.0
85°	217.7	217.7	330.0	598.1	572.9	687.5	584.3	653.1	616.4	728.7	304.8
87.5°	36.7	32.1	66.5	293.3	236.0	268.1	105.4	348.3	387.3	508.7	75.6
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: P675824
 CATALOG NUMBER: CCW-SA-1E-730-U-SLL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1649.9	1649.9	1649.9	1649.9	1649.9	1649.9	1649.9	1649.9	1649.9	1649.9	1649.9
2.5°	1702.6	1686.6	1654.5	1613.2	1578.9	1535.3	1521.6	1491.8	1450.5	1446.0	1427.6
5°	1604.1	1549.1	1480.3	1395.5	1338.3	1278.7	1228.3	1198.5	1164.1	1159.5	1150.3
7.5°	1496.4	1427.6	1313.0	1212.2	1113.7	1019.7	973.9	916.6	877.7	847.9	834.1
10°	1395.5	1331.4	1189.3	1051.8	964.7	902.9	847.9	788.3	740.2	703.5	689.7
12.5°	1329.1	1253.5	1099.9	969.3	905.2	834.1	772.2	708.1	646.2	598.1	572.9
15°	1299.3	1228.3	1072.4	928.1	834.1	735.6	664.5	600.4	524.8	490.4	478.9
17.5°	1370.3	1264.9	1063.3	879.9	747.0	634.8	547.7	478.9	423.9	389.6	375.8
20°	1462.0	1331.4	1079.3	822.7	664.5	538.5	442.3	368.9	332.3	307.1	304.8
22.5°	1578.9	1429.9	1104.5	781.4	572.9	433.1	346.0	302.5	277.3	275.0	270.4
25°	1787.4	1608.7	1145.8	726.4	499.6	357.5	295.6	270.4	258.9	252.1	256.7
27.5°	1966.1	1725.5	1175.6	692.0	469.8	336.9	286.4	258.9	247.5	245.2	247.5
30°	2071.5	1833.2	1166.4	627.9	410.2	320.8	304.8	295.6	272.7	254.4	254.4
32.5°	2167.8	1902.0	1164.1	570.6	350.6	268.1	254.4	247.5	261.2	270.4	263.5
35°	2300.7	2009.7	1157.2	538.5	325.4	247.5	224.6	206.2	197.1	192.5	199.4
37.5°	2442.8	2083.0	1138.9	533.9	311.6	236.0	217.7	199.4	190.2	185.6	183.3
40°	2598.6	2160.9	1118.3	511.0	304.8	229.2	210.8	194.8	183.3	176.4	174.2
42.5°	2699.4	2222.8	1097.6	499.6	291.0	224.6	203.9	190.2	178.7	169.6	169.6
45°	2756.7	2296.1	1077.0	488.1	275.0	226.9	203.9	185.6	171.9	167.3	162.7
47.5°	2781.9	2351.1	1070.1	469.8	261.2	217.7	199.4	181.0	167.3	158.1	155.8
50°	2848.4	2468.0	1095.3	456.0	245.2	208.5	210.8	178.7	165.0	153.5	151.2
52.5°	2887.3	2561.9	1150.3	435.4	233.7	197.1	206.2	174.2	158.1	146.7	146.7
55°	3029.4	2717.7	1209.9	419.3	220.0	181.0	190.2	165.0	146.7	139.8	139.8
57.5°	3210.4	2882.7	1260.3	412.5	210.8	169.6	169.6	160.4	139.8	130.6	128.3
60°	3336.5	3017.9	1290.1	407.9	201.7	158.1	151.2	160.4	132.9	123.7	121.5
62.5°	3350.2	2940.0	1260.3	405.6	199.4	146.7	137.5	153.5	126.0	116.9	112.3
65°	3263.1	2781.9	1177.8	396.4	197.1	135.2	128.3	132.9	116.9	110.0	105.4
67.5°	3089.0	2525.3	1058.7	391.9	194.8	126.0	116.9	114.6	107.7	100.8	96.2
70°	2683.4	2190.7	918.9	371.2	190.2	119.2	105.4	103.1	96.2	91.7	89.4
72.5°	2252.6	1792.0	758.5	343.7	181.0	107.7	96.2	91.7	89.4	82.5	80.2
75°	1725.5	1379.5	607.3	304.8	158.1	96.2	84.8	80.2	77.9	73.3	71.0
77.5°	1212.2	1026.6	449.1	247.5	132.9	87.1	75.6	71.0	68.7	61.9	61.9
80°	822.7	719.5	304.8	171.9	103.1	71.0	66.5	61.9	57.3	52.7	52.7
82.5°	511.0	504.1	220.0	112.3	75.6	57.3	52.7	52.7	45.8	41.2	41.2
85°	233.7	309.4	153.5	77.9	57.3	43.5	43.5	41.2	36.7	29.8	29.8
87.5°	73.3	103.1	80.2	34.4	32.1	25.2	25.2	22.9	22.9	18.3	18.3
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: P675824
 CATALOG NUMBER: CCW-SA-1E-730-U-SLL

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	1649.9	1649.9	1649.9	1649.9	1649.9	1649.9	1649.9	1649.9	1649.9	1649.9	1649.9
2.5°	1446.0	1443.7	1443.7	1434.5	1457.4	1457.4	1471.2	1459.7	1466.6	1468.9	1487.2
5°	1148.1	1166.4	1180.1	1207.6	1223.7	1230.5	1230.5	1248.9	1242.0	1255.8	1283.3
7.5°	841.0	863.9	905.2	939.5	967.0	976.2	973.9	978.5	985.4	969.3	973.9
10°	680.6	664.5	678.3	710.4	735.6	765.4	742.5	740.2	747.0	740.2	753.9
12.5°	568.3	550.0	538.5	538.5	556.8	570.6	563.7	575.2	600.4	607.3	623.3
15°	460.6	444.6	435.4	423.9	442.3	446.8	453.7	469.8	488.1	497.3	515.6
17.5°	368.9	368.9	368.9	359.8	366.6	373.5	375.8	396.4	398.7	407.9	414.8
20°	302.5	309.4	320.8	325.4	332.3	332.3	327.7	339.1	330.0	336.9	341.4
22.5°	272.7	281.9	286.4	288.7	297.9	300.2	288.7	291.0	293.3	286.4	288.7
25°	256.7	261.2	256.7	258.9	261.2	256.7	258.9	263.5	261.2	265.8	263.5
27.5°	249.8	245.2	242.9	240.6	240.6	236.0	238.3	238.3	242.9	245.2	245.2
30°	249.8	242.9	233.7	226.9	226.9	220.0	224.6	229.2	231.4	236.0	236.0
32.5°	256.7	242.9	226.9	220.0	213.1	208.5	213.1	220.0	229.2	231.4	233.7
35°	203.9	210.8	208.5	199.4	197.1	197.1	194.8	194.8	187.9	187.9	185.6
37.5°	183.3	181.0	185.6	187.9	190.2	183.3	183.3	174.2	171.9	174.2	174.2
40°	171.9	171.9	171.9	178.7	181.0	176.4	169.6	165.0	165.0	165.0	167.3
42.5°	167.3	162.7	160.4	165.0	171.9	167.3	160.4	158.1	158.1	160.4	160.4
45°	160.4	158.1	155.8	153.5	162.7	155.8	153.5	151.2	151.2	151.2	153.5
47.5°	153.5	151.2	146.7	146.7	148.9	146.7	144.4	144.4	144.4	148.9	148.9
50°	148.9	146.7	142.1	142.1	142.1	142.1	139.8	139.8	139.8	142.1	144.4
52.5°	142.1	139.8	137.5	135.2	135.2	135.2	135.2	135.2	135.2	137.5	139.8
55°	135.2	132.9	130.6	130.6	132.9	132.9	130.6	132.9	130.6	132.9	135.2
57.5°	128.3	126.0	123.7	126.0	128.3	126.0	126.0	126.0	126.0	126.0	128.3
60°	119.2	119.2	119.2	119.2	123.7	123.7	123.7	123.7	119.2	121.5	123.7
62.5°	114.6	112.3	112.3	114.6	116.9	116.9	119.2	116.9	114.6	116.9	116.9
65°	105.4	105.4	105.4	107.7	107.7	110.0	110.0	110.0	107.7	110.0	110.0
67.5°	98.5	98.5	98.5	98.5	103.1	103.1	103.1	103.1	100.8	100.8	103.1
70°	87.1	89.4	87.1	91.7	96.2	94.0	96.2	96.2	94.0	91.7	96.2
72.5°	80.2	80.2	80.2	80.2	87.1	87.1	87.1	89.4	87.1	84.8	87.1
75°	71.0	71.0	71.0	73.3	77.9	77.9	77.9	77.9	77.9	75.6	75.6
77.5°	61.9	64.2	61.9	64.2	68.7	66.5	68.7	71.0	68.7	66.5	66.5
80°	52.7	52.7	52.7	55.0	57.3	57.3	57.3	59.6	57.3	55.0	55.0
82.5°	41.2	41.2	43.5	43.5	45.8	45.8	45.8	48.1	45.8	43.5	43.5
85°	32.1	32.1	32.1	34.4	34.4	36.7	36.7	39.0	39.0	36.7	36.7
87.5°	20.6	18.3	20.6	20.6	22.9	22.9	20.6	18.3	20.6	18.3	16.0
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: P675824
 CATALOG NUMBER: CCW-SA-1E-730-U-SLL

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	1649.9	1649.9	1649.9	1649.9	1649.9	1649.9	1649.9	1649.9	1649.9	1649.9
2.5°	1505.5	1546.8	1576.6	1597.2	1627.0	1684.3	1707.2	1748.4	1759.9	1766.8
5°	1294.7	1338.3	1402.4	1448.2	1500.9	1608.7	1691.1	1753.0	1780.5	1805.7
7.5°	1015.1	1072.4	1138.9	1198.5	1285.5	1418.5	1526.2	1654.5	1702.6	1727.8
10°	792.9	845.6	918.9	992.2	1113.7	1226.0	1379.5	1496.4	1562.8	1581.2
12.5°	669.1	731.0	818.1	907.4	983.1	1111.4	1267.2	1436.8	1498.7	1510.1
15°	568.3	653.1	742.5	834.1	921.2	1033.5	1200.8	1407.0	1498.7	1510.1
17.5°	469.8	545.4	650.8	749.3	850.2	1003.7	1212.2	1432.2	1523.9	1558.2
20°	373.5	446.8	529.3	653.1	790.6	953.3	1237.4	1517.0	1638.4	1675.1
22.5°	309.4	341.4	421.6	540.8	703.5	918.9	1262.6	1649.9	1778.2	1792.0
25°	270.4	293.3	343.7	456.0	634.8	896.0	1322.2	1803.4	1968.4	1968.4
27.5°	252.1	261.2	295.6	396.4	586.6	875.4	1381.8	1973.0	2126.5	2158.6
30°	247.5	270.4	288.7	352.9	533.9	818.1	1436.8	2105.9	2264.0	2266.3
32.5°	242.9	238.3	252.1	307.1	469.8	758.5	1482.6	2241.1	2364.9	2371.7
35°	190.2	199.4	222.3	270.4	421.6	715.0	1505.5	2314.4	2493.2	2500.1
37.5°	178.7	190.2	208.5	249.8	389.6	678.3	1512.4	2456.5	2628.4	2642.1
40°	174.2	183.3	197.1	231.4	364.4	632.5	1526.2	2603.2	2827.7	2809.4
42.5°	165.0	176.4	190.2	222.3	343.7	598.1	1528.4	2683.4	2933.2	2933.2
45°	162.7	169.6	185.6	222.3	320.8	568.3	1491.8	2763.6	3054.6	3017.9
47.5°	153.5	167.3	181.0	215.4	293.3	538.5	1448.2	2804.8	3070.6	3059.2
50°	151.2	165.0	187.9	203.9	277.3	524.8	1439.1	2907.9	3102.7	3100.4
52.5°	146.7	160.4	194.8	194.8	256.7	506.4	1482.6	2953.8	3109.6	3127.9
55°	139.8	160.4	181.0	178.7	238.3	483.5	1530.7	3072.9	3231.1	3226.5
57.5°	135.2	155.8	171.9	162.7	217.7	467.5	1601.8	3187.5	3377.7	3345.6
60°	128.3	155.8	153.5	151.2	201.7	453.7	1661.4	3210.4	3409.8	3430.4
62.5°	123.7	162.7	135.2	139.8	187.9	446.8	1636.1	3038.6	3366.3	3384.6
65°	119.2	139.8	123.7	128.3	183.3	433.1	1537.6	2832.3	3178.3	3258.6
67.5°	110.0	114.6	114.6	119.2	178.7	401.0	1336.0	2461.1	2891.9	2935.4
70°	100.8	103.1	103.1	110.0	174.2	364.4	1102.2	2128.8	2509.2	2591.7
72.5°	91.7	91.7	91.7	100.8	160.4	334.6	907.4	1636.1	2085.3	2142.6
75°	80.2	80.2	80.2	89.4	144.4	304.8	715.0	1216.8	1535.3	1617.8
77.5°	71.0	71.0	68.7	80.2	126.0	247.5	515.6	859.3	1081.6	1150.3
80°	59.6	57.3	57.3	64.2	98.5	178.7	332.3	607.3	753.9	783.7
82.5°	48.1	45.8	43.5	48.1	71.0	112.3	206.2	423.9	483.5	465.2
85°	45.8	48.1	39.0	36.7	50.4	73.3	130.6	261.2	217.7	217.7
87.5°	18.3	16.0	16.0	13.7	25.2	27.5	57.3	48.1	36.7	36.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)