

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: P676260

Luminaire Tested: **CCW-SA-2C-730-U-T2-HSS**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P676260
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-2C-730-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) 3000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

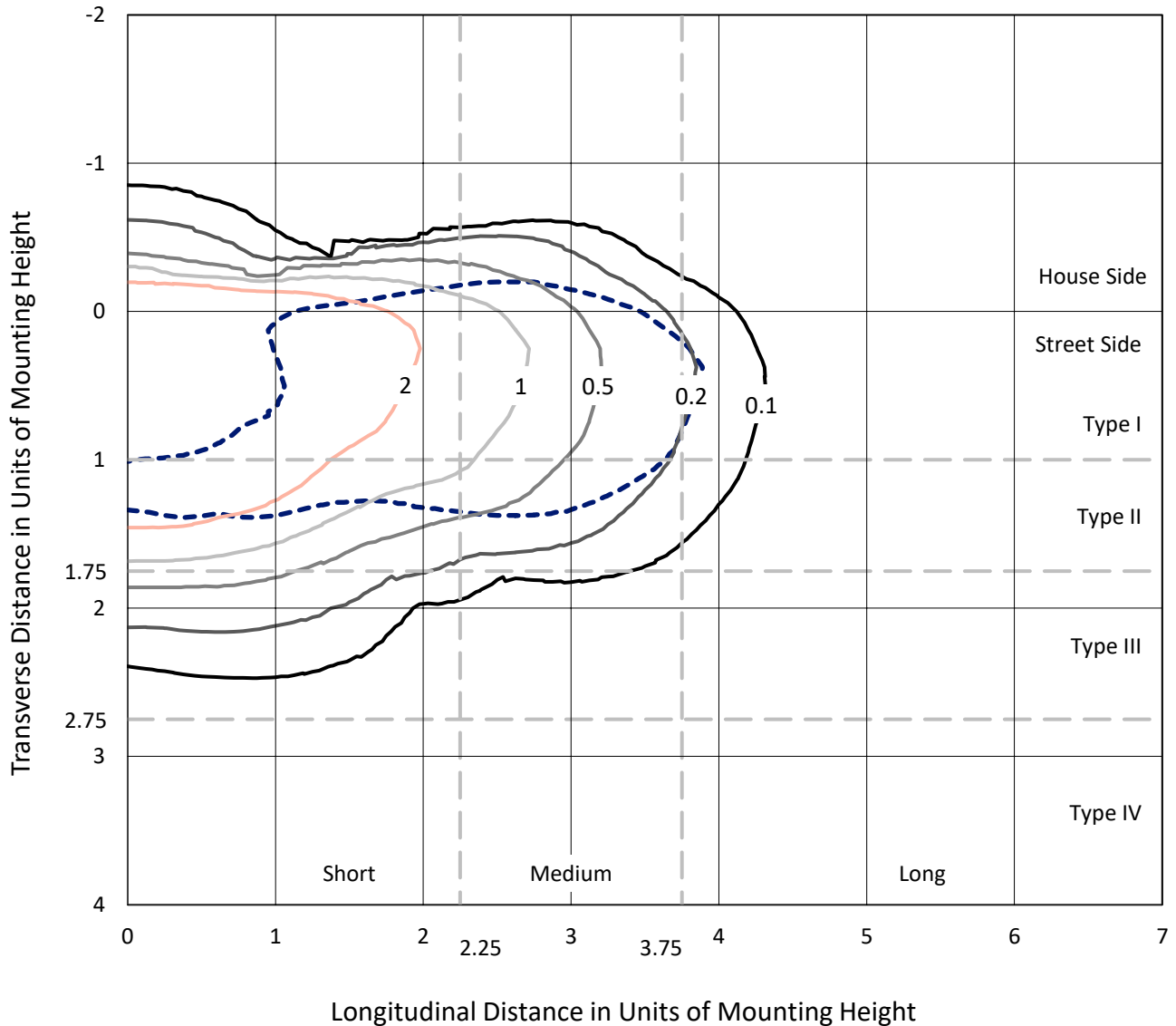
Lumens per Lamp: N/A
Luminaire Lumens: 6356.4 lumens
Efficiency: N/A
Efficacy: 102.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G2

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: P676260
 CATALOG NUMBER: CCW-SA-2C-730-U-T2-HSS

Iso-Footcandle Lines of Horizontal Illumination

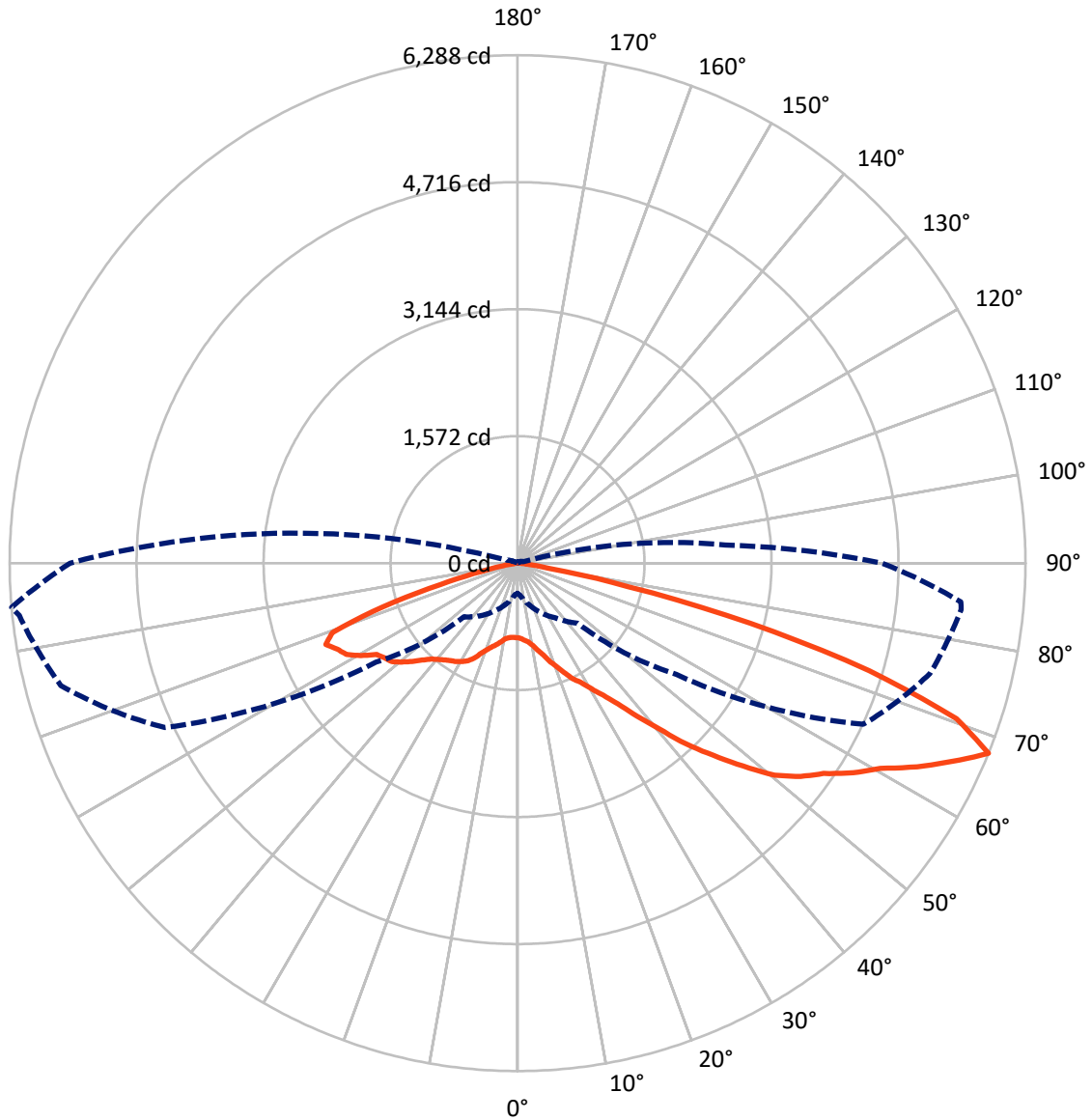
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 4.9 fc
 Type II - Short - N/A

REPORT NUMBER: P676260
CATALOG NUMBER: CCW-SA-2C-730-U-T2-HSS

Luminous Intensity Polar Plot



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

REPORT NUMBER: P676260
 CATALOG NUMBER: CCW-SA-2C-730-U-T2-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	903.0	0.0	903.0
	% Fixture	14.2	0.0	14.2
Street Side	Lumens	5453.4	0.0	5453.4
	% Fixture	85.8	0.0	85.8
Total	Lumens	6356.4	0.0	6356.4
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	84.3	1.3
10°-20°	226.6	3.6
20°-30°	376.4	5.9
30°-40°	647.5	10.2
40°-50°	1163.7	18.3
50°-60°	1656.6	26.1
60°-70°	1510.3	23.8
70°-80°	643.1	10.1
80°-90°	47.9	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°	6356.4	100.0
0°-180°	6356.4	100.0



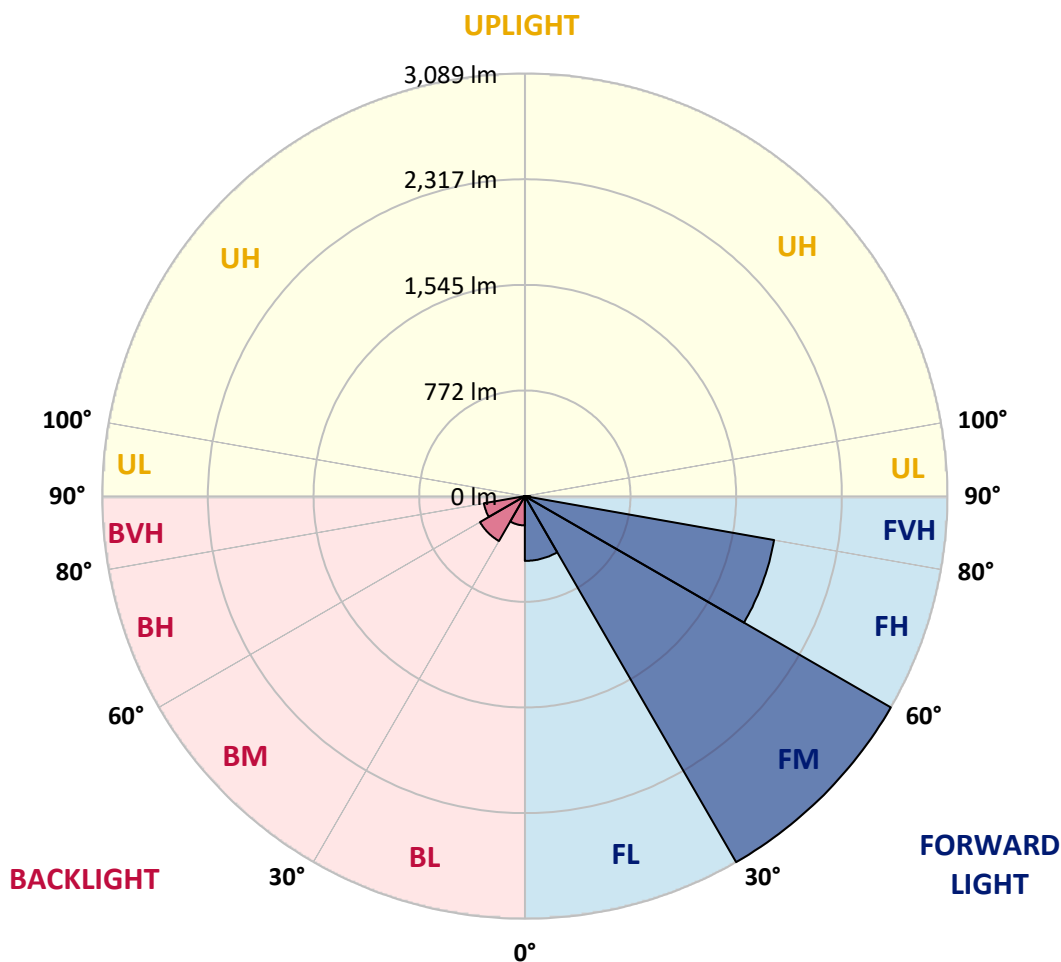
REPORT NUMBER: P676260
 CATALOG NUMBER: CCW-SA-2C-730-U-T2-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	473.5	7.4			
FM (30°-60°)	3089.2	48.6			
FH (60°-80°)	1850.0	29.1			G2/5000
FVH (80°-90°)	40.7	0.6			G1/100
BL (0°-30°)	213.8	3.4	B1/500		
BM (30°-60°)	378.6	6.0	B1/1000		
BH (60°-80°)	303.4	4.8	B1/500		G1/500
BVH (80°-90°)	7.2	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-G2

Type II Short





REPORT NUMBER: P676260
 CATALOG NUMBER: CCW-SA-2C-730-U-T2-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	84°	85°
0°	924.3	924.3	924.3	924.3	924.3	924.3	924.3	924.3	924.3	924.3	924.3
2.5°	957.6	966.7	966.7	963.7	954.6	948.6	945.5	939.5	933.4	933.4	936.4
5°	966.7	957.6	969.8	954.6	954.6	954.6	966.7	960.7	957.6	942.5	942.5
7.5°	966.7	957.6	957.6	966.7	957.6	963.7	978.9	972.8	984.9	957.6	963.7
10°	939.5	936.4	942.5	954.6	957.6	969.8	984.9	1015.2	1018.3	1000.1	997.0
12.5°	884.9	881.9	903.1	909.2	945.5	975.8	1021.3	1045.5	1072.8	1063.7	1045.5
15°	845.5	851.6	866.7	891.0	924.3	978.9	1030.4	1084.9	1133.4	1121.3	1115.2
17.5°	860.7	857.6	860.7	875.8	918.2	972.8	1060.7	1124.3	1194.0	1194.0	1200.1
20°	906.1	915.2	912.2	903.1	924.3	969.8	1060.7	1172.8	1288.0	1278.9	1278.9
22.5°	984.9	987.9	969.8	963.7	960.7	987.9	1078.9	1233.4	1366.8	1384.9	1378.9
25°	1066.7	1069.8	1063.7	1045.5	1021.3	1027.3	1112.2	1281.9	1475.9	1506.2	1500.1
27.5°	1203.1	1200.1	1184.9	1163.7	1127.4	1100.1	1163.7	1318.3	1560.7	1612.2	1597.1
30°	1339.5	1330.4	1309.2	1281.9	1248.6	1197.1	1227.4	1388.0	1666.8	1715.3	1681.9
32.5°	1506.2	1488.0	1494.0	1451.6	1381.9	1300.1	1294.0	1451.6	1751.6	1821.3	1794.1
35°	1718.3	1697.1	1666.8	1627.4	1560.7	1451.6	1418.3	1554.7	1894.1	1945.6	1945.6
37.5°	1997.1	2018.3	1982.0	1818.3	1745.6	1642.5	1572.8	1660.7	2018.3	2142.6	2112.3
40°	2282.0	2300.2	2233.5	2112.3	1954.7	1827.4	1785.0	1833.5	2206.2	2354.7	2297.1
42.5°	2512.3	2536.5	2512.3	2354.7	2230.5	2066.8	1991.0	2036.5	2448.7	2627.5	2551.7
45°	2754.7	2779.0	2751.7	2648.7	2527.4	2433.5	2242.6	2300.2	2703.2	2969.9	2885.0
47.5°	2936.6	2966.9	2918.4	2897.2	2800.2	2785.0	2460.8	2524.4	2969.9	3315.4	3209.3
50°	2979.0	3012.3	3054.8	3079.0	3045.7	3082.0	2754.7	2809.3	3248.7	3633.6	3530.5
52.5°	2879.0	2912.3	3006.3	3118.4	3273.0	3382.1	3051.7	3097.2	3539.6	3897.2	3842.7
55°	2585.0	2615.3	2806.3	2957.8	3327.5	3506.3	3336.6	3527.5	3748.7	4173.0	4039.7
57.5°	2091.1	2127.4	2379.0	2612.3	3145.7	3436.6	3506.3	3885.1	4094.2	4376.1	4221.5
60°	1485.0	1506.2	1724.4	2136.5	2642.6	3088.1	3473.0	4151.8	4367.0	4648.8	4567.0
62.5°	854.6	872.8	1100.1	1488.0	1994.1	2579.0	3324.5	4403.3	4660.9	4948.8	4903.4
65°	566.7	572.8	727.3	939.5	1297.1	1900.1	2948.7	4627.6	4951.9	5188.2	5136.7
67.5°	372.8	406.1	527.3	672.8	830.4	1051.6	2403.2	4721.5	5285.2	5521.6	5509.5
70°	266.7	278.8	378.8	518.2	624.3	591.0	1406.2	4057.9	5270.1	5612.5	5512.5
72.5°	157.6	169.7	251.5	387.9	490.9	375.8	657.6	2869.9	4367.0	4479.1	4451.8
75°	115.2	115.2	154.6	278.8	357.6	269.7	309.1	1815.3	2900.2	3148.7	3145.7
77.5°	81.8	84.9	106.1	166.7	275.8	197.0	169.7	1009.2	1585.0	1733.5	1651.6
80°	48.5	51.5	72.7	100.0	200.0	142.4	112.1	460.6	609.1	615.2	584.9
82.5°	36.4	36.4	48.5	69.7	139.4	97.0	69.7	175.8	197.0	178.8	151.5
85°	21.2	18.2	36.4	51.5	81.8	54.5	48.5	81.8	90.9	66.7	60.6
87.5°	6.1	6.1	15.2	18.2	36.4	30.3	21.2	30.3	42.4	24.2	18.2
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: P676260
 CATALOG NUMBER: CCW-SA-2C-730-U-T2-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	924.3	924.3	924.3	924.3	924.3	924.3	924.3	924.3	924.3	924.3	924.3
2.5°	930.4	921.3	906.1	900.1	878.8	869.8	863.7	848.5	851.6	842.5	842.5
5°	921.3	921.3	891.0	857.6	824.3	803.1	778.8	748.5	748.5	736.4	739.4
7.5°	954.6	930.4	891.0	830.4	775.8	727.3	706.1	675.8	657.6	648.5	648.5
10°	975.8	951.6	884.9	812.2	742.5	681.9	636.4	594.0	569.7	569.7	566.7
12.5°	1033.4	997.0	909.2	809.1	706.1	615.2	545.5	497.0	463.7	439.4	445.5
15°	1081.9	1042.5	921.3	784.9	642.5	515.2	430.3	339.4	294.0	269.7	260.6
17.5°	1157.7	1084.9	948.6	742.5	545.5	403.1	278.8	203.0	184.9	181.8	181.8
20°	1221.3	1136.4	951.6	660.7	448.5	257.6	178.8	166.7	157.6	154.6	151.5
22.5°	1309.2	1203.1	939.5	566.7	321.2	172.7	151.5	139.4	133.3	124.3	124.3
25°	1400.1	1291.0	915.2	478.8	197.0	148.5	133.3	121.2	109.1	103.0	106.1
27.5°	1497.1	1357.7	845.5	372.8	151.5	130.3	109.1	100.0	93.9	90.9	90.9
30°	1575.9	1400.1	742.5	248.5	136.4	115.2	97.0	87.9	81.8	78.8	78.8
32.5°	1633.4	1436.5	627.3	166.7	124.3	103.0	87.9	78.8	72.7	69.7	69.7
35°	1730.4	1463.7	521.2	142.4	112.1	90.9	75.8	69.7	63.6	63.6	63.6
37.5°	1878.9	1500.1	415.2	130.3	103.0	81.8	72.7	63.6	60.6	57.6	57.6
40°	2009.2	1545.6	297.0	118.2	93.9	75.8	63.6	57.6	54.5	51.5	51.5
42.5°	2197.1	1597.1	194.0	106.1	84.9	69.7	57.6	51.5	48.5	45.5	45.5
45°	2436.5	1681.9	151.5	93.9	75.8	63.6	54.5	48.5	42.4	42.4	39.4
47.5°	2691.1	1785.0	136.4	87.9	69.7	57.6	48.5	42.4	39.4	36.4	36.4
50°	2927.5	1885.0	127.3	81.8	63.6	54.5	45.5	39.4	33.3	30.3	30.3
52.5°	3139.6	1978.9	121.2	75.8	60.6	48.5	39.4	33.3	30.3	27.3	27.3
55°	3251.7	2021.4	118.2	72.7	54.5	45.5	36.4	30.3	27.3	24.2	24.2
57.5°	3427.5	2075.9	115.2	69.7	51.5	39.4	33.3	27.3	24.2	21.2	21.2
60°	3712.4	2254.7	112.1	66.7	48.5	39.4	30.3	24.2	18.2	15.2	15.2
62.5°	3948.8	2403.2	100.0	57.6	42.4	33.3	24.2	18.2	12.1	9.1	9.1
65°	4218.5	2472.9	87.9	51.5	36.4	27.3	18.2	12.1	9.1	3.0	3.0
67.5°	4512.4	2579.0	72.7	45.5	33.3	21.2	15.2	9.1	3.0	0.0	0.0
70°	4357.9	2445.6	60.6	39.4	30.3	18.2	12.1	6.1	0.0	0.0	0.0
72.5°	3415.4	1751.6	48.5	36.4	27.3	18.2	12.1	3.0	0.0	0.0	0.0
75°	2282.0	991.0	42.4	30.3	21.2	15.2	9.1	3.0	0.0	0.0	0.0
77.5°	1239.5	445.5	36.4	27.3	18.2	12.1	9.1	3.0	0.0	0.0	0.0
80°	403.1	175.8	30.3	24.2	18.2	12.1	9.1	3.0	0.0	0.0	0.0
82.5°	109.1	54.5	30.3	24.2	18.2	12.1	9.1	3.0	0.0	0.0	0.0
85°	45.5	36.4	30.3	24.2	18.2	12.1	9.1	3.0	0.0	0.0	0.0
87.5°	18.2	12.1	12.1	15.2	12.1	9.1	6.1	3.0	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: P676260
 CATALOG NUMBER: CCW-SA-2C-730-U-T2-HSS

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	924.3	924.3	924.3	924.3	924.3	924.3	924.3	924.3	924.3	924.3	924.3
2.5°	845.5	851.6	854.6	854.6	869.8	884.9	903.1	918.2	918.2	927.3	936.4
5°	742.5	748.5	757.6	784.9	815.2	848.5	881.9	906.1	939.5	954.6	963.7
7.5°	657.6	663.7	687.9	715.2	757.6	815.2	872.8	927.3	960.7	975.8	987.9
10°	569.7	578.8	606.1	654.6	709.1	778.8	845.5	939.5	994.0	1024.3	1036.4
12.5°	442.5	466.7	503.1	554.6	624.3	730.4	854.6	951.6	1045.5	1081.9	1106.1
15°	278.8	300.0	357.6	439.4	533.4	657.6	830.4	969.8	1100.1	1136.4	1175.8
17.5°	178.8	181.8	200.0	287.9	409.1	566.7	794.0	997.0	1160.7	1212.2	1272.8
20°	151.5	157.6	160.6	172.7	272.7	466.7	718.2	1030.4	1233.4	1303.1	1360.7
22.5°	127.3	130.3	136.4	145.5	163.6	339.4	615.2	1030.4	1297.1	1400.1	1466.8
25°	103.0	109.1	115.2	124.3	142.4	212.1	509.1	1012.2	1372.8	1500.1	1585.0
27.5°	90.9	90.9	97.0	106.1	121.2	148.5	403.1	957.6	1430.4	1560.7	1672.8
30°	78.8	81.8	84.9	93.9	109.1	130.3	278.8	869.8	1491.0	1678.9	1806.2
32.5°	69.7	69.7	75.8	81.8	97.0	118.2	178.8	736.4	1569.8	1769.8	1948.6
35°	63.6	63.6	66.7	72.7	87.9	106.1	139.4	624.3	1663.8	1942.6	2139.5
37.5°	57.6	57.6	60.6	66.7	78.8	93.9	127.3	536.4	1760.7	2115.3	2403.2
40°	51.5	51.5	54.5	60.6	69.7	84.9	115.2	433.4	1881.9	2369.9	2691.1
42.5°	45.5	45.5	48.5	54.5	63.6	75.8	100.0	324.3	2042.6	2645.6	3063.8
45°	39.4	39.4	42.4	48.5	54.5	69.7	90.9	248.5	2218.3	2951.7	3391.1
47.5°	33.3	36.4	39.4	45.5	51.5	63.6	81.8	218.2	2391.1	3276.0	3754.8
50°	30.3	30.3	33.3	39.4	48.5	57.6	75.8	215.2	2566.8	3524.5	4127.6
52.5°	27.3	27.3	30.3	36.4	45.5	54.5	72.7	221.2	2712.3	3754.8	4388.2
55°	24.2	24.2	27.3	30.3	39.4	51.5	66.7	227.3	2815.3	3988.2	4597.3
57.5°	21.2	21.2	24.2	30.3	36.4	45.5	60.6	233.3	2982.0	4218.5	4900.3
60°	15.2	15.2	21.2	27.3	33.3	39.4	57.6	239.4	3248.7	4536.7	5157.9
62.5°	9.1	9.1	12.1	21.2	27.3	36.4	51.5	227.3	3497.2	4945.8	5551.9
65°	3.0	6.1	9.1	12.1	21.2	30.3	42.4	206.1	3706.3	5354.9	5915.6
67.5°	0.0	0.0	3.0	9.1	18.2	24.2	36.4	151.5	3739.7	5539.8	6288.3
70°	0.0	0.0	3.0	9.1	15.2	24.2	33.3	84.9	3185.1	4948.8	5764.0
72.5°	0.0	0.0	0.0	6.1	15.2	21.2	30.3	63.6	2348.6	3730.6	4554.9
75°	0.0	0.0	0.0	3.0	12.1	18.2	27.3	48.5	1427.4	2488.1	2972.9
77.5°	0.0	0.0	0.0	3.0	9.1	18.2	27.3	42.4	503.1	1184.9	1397.1
80°	0.0	0.0	0.0	6.1	12.1	18.2	24.2	36.4	121.2	297.0	400.0
82.5°	0.0	0.0	0.0	3.0	9.1	15.2	21.2	30.3	48.5	87.9	139.4
85°	0.0	0.0	0.0	3.0	6.1	15.2	21.2	27.3	33.3	42.4	60.6
87.5°	0.0	0.0	0.0	0.0	3.0	6.1	9.1	12.1	12.1	12.1	21.2
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: P676260
 CATALOG NUMBER: CCW-SA-2C-730-U-T2-HSS

CANDELA DISTRIBUTION (continued):

	276°	285°	295°	305°	315°	325°	335°	345°	355°	360°
0°	924.3	924.3	924.3	924.3	924.3	924.3	924.3	924.3	924.3	924.3
2.5°	933.4	945.5	951.6	963.7	969.8	966.7	963.7	972.8	966.7	957.6
5°	966.7	966.7	975.8	978.9	978.9	969.8	975.8	972.8	966.7	966.7
7.5°	1003.1	1018.3	1018.3	1000.1	997.0	991.0	991.0	966.7	957.6	966.7
10°	1039.5	1051.6	1054.6	1033.4	1006.1	994.0	978.9	948.6	933.4	939.5
12.5°	1115.2	1115.2	1081.9	1057.6	1021.3	978.9	942.5	900.1	878.8	884.9
15°	1169.8	1181.9	1136.4	1081.9	1018.3	939.5	900.1	866.7	854.6	845.5
17.5°	1275.8	1251.6	1178.9	1100.1	1009.2	927.3	900.1	869.8	860.7	860.7
20°	1366.8	1354.6	1245.5	1103.1	1006.1	951.6	933.4	918.2	915.2	906.1
22.5°	1491.0	1436.5	1297.1	1136.4	1039.5	991.0	984.9	1000.1	991.0	984.9
25°	1585.0	1539.5	1336.5	1184.9	1091.0	1075.8	1084.9	1100.1	1075.8	1066.7
27.5°	1712.2	1627.4	1412.2	1248.6	1160.7	1175.8	1206.1	1209.2	1194.0	1203.1
30°	1830.4	1739.5	1469.8	1321.3	1278.9	1294.0	1339.5	1372.8	1351.6	1339.5
32.5°	2000.1	1860.7	1585.0	1442.5	1427.4	1466.8	1518.3	1539.5	1512.2	1506.2
35°	2178.9	2000.1	1703.1	1578.9	1606.2	1660.7	1706.2	1742.5	1700.1	1718.3
37.5°	2457.7	2224.4	1903.2	1794.1	1806.2	1827.4	1912.3	2012.3	2033.5	1997.1
40°	2748.7	2466.8	2088.0	2003.2	2030.4	2088.0	2188.0	2282.0	2330.5	2282.0
42.5°	3085.1	2700.2	2372.9	2272.9	2300.2	2382.0	2515.3	2591.1	2585.0	2512.3
45°	3500.2	3024.5	2639.6	2515.3	2615.3	2688.1	2821.4	2830.5	2772.9	2754.7
47.5°	3818.4	3297.2	2927.5	2848.7	2985.1	2988.1	3018.4	3021.4	2957.8	2936.6
50°	4170.0	3612.4	3248.7	3133.6	3363.9	3257.8	3176.0	3121.4	3024.5	2979.0
52.5°	4515.5	3836.6	3545.7	3427.5	3666.9	3385.1	3236.6	3069.9	2927.5	2879.0
55°	4700.3	4206.4	3979.1	3703.3	3733.6	3421.5	3048.7	2839.6	2597.2	2585.0
57.5°	4918.5	4454.9	4345.8	3891.2	3621.5	3166.9	2657.8	2382.0	2121.4	2091.1
60°	5176.1	4848.8	4733.7	3860.9	3224.5	2660.8	2106.2	1751.6	1506.2	1485.0
62.5°	5464.0	5315.5	4973.1	3563.9	2560.8	1872.9	1391.0	1094.0	866.7	854.6
65°	5918.6	5706.5	5100.4	3000.2	1694.1	1200.1	924.3	709.1	572.8	566.7
67.5°	6203.5	5855.0	4815.5	2139.5	939.5	794.0	648.5	515.2	397.0	372.8
70°	5800.4	5373.1	3809.4	1224.3	545.5	603.1	500.0	345.5	272.7	266.7
72.5°	4633.7	3988.2	2563.8	575.8	339.4	472.8	363.7	233.3	163.6	157.6
75°	3160.8	2509.3	1609.2	266.7	239.4	345.5	266.7	136.4	115.2	115.2
77.5°	1412.2	1278.9	824.3	163.6	178.8	263.7	154.6	93.9	84.9	81.8
80°	430.3	451.5	336.4	112.1	133.3	200.0	93.9	63.6	51.5	48.5
82.5°	145.5	169.7	151.5	66.7	90.9	142.4	63.6	42.4	36.4	36.4
85°	69.7	84.9	75.8	42.4	48.5	69.7	51.5	33.3	21.2	21.2
87.5°	27.3	39.4	27.3	18.2	27.3	36.4	21.2	15.2	6.1	6.1
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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