

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: P674899

Luminaire Tested: **CCW-SA-2E-835-U-T2**

Issue Date: 04/25/2023

Test Information

Test Method: LM-79-08
Report Number: P674899
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-2E-835-U-T2
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @1050mA w/
T2 distribution lens
Light Source: (32) 3500K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11238.5 lumens
Efficiency: N/A
Efficacy: 105.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B2 - U0 - G2

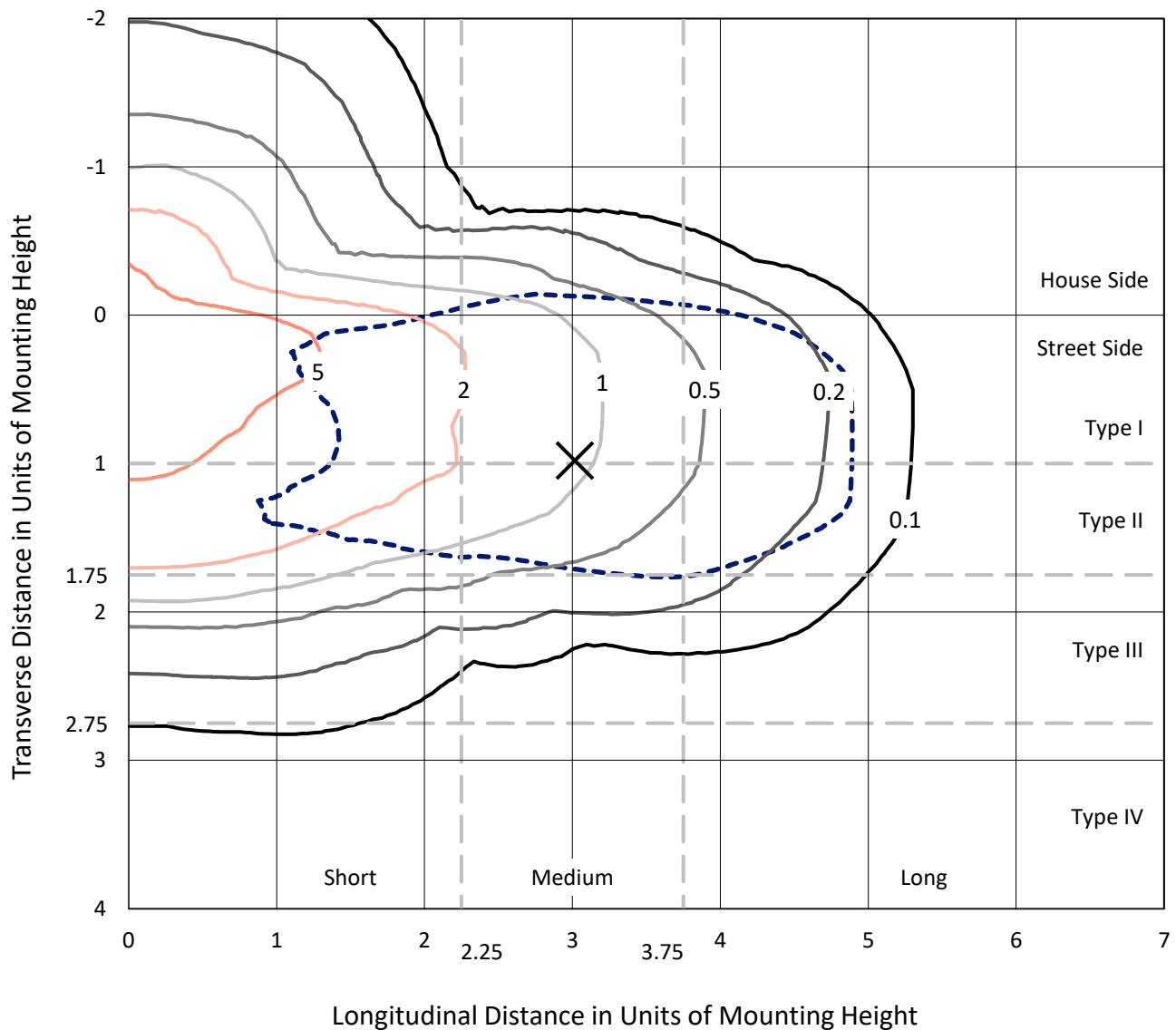
Input Watts (W): 106.6
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

REPORT NUMBER: P674899

CATALOG NUMBER: CCW-SA-2E-835-U-T2

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

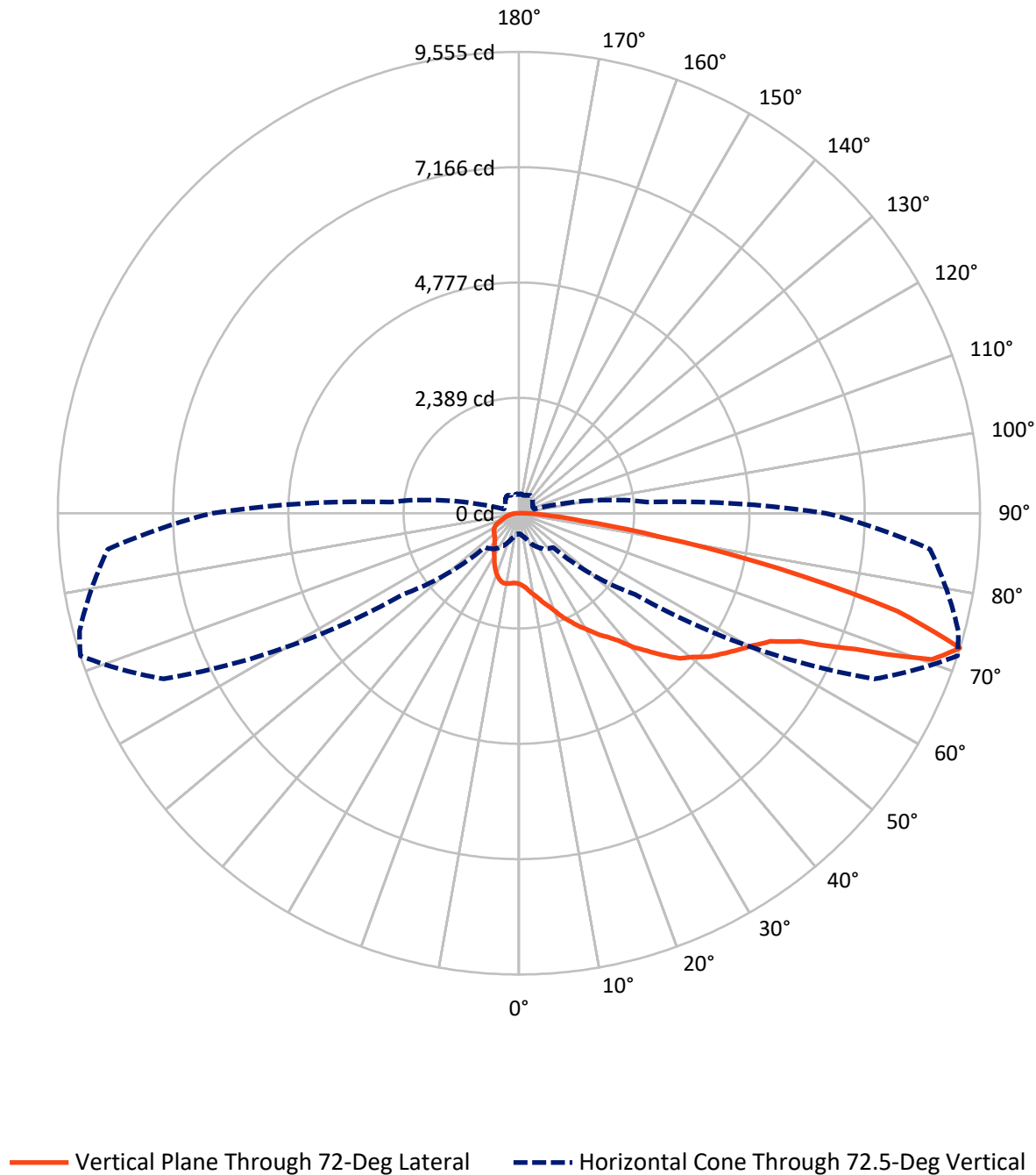


Based on 15 foot mounting height. Maximum calculated value = 8.2 fc
Type II - Medium - N/A

REPORT NUMBER: P674899

CATALOG NUMBER: CCW-SA-2E-835-U-T2

Luminous Intensity Polar Plot



REPORT NUMBER: P674899

CATALOG NUMBER: CCW-SA-2E-835-U-T2

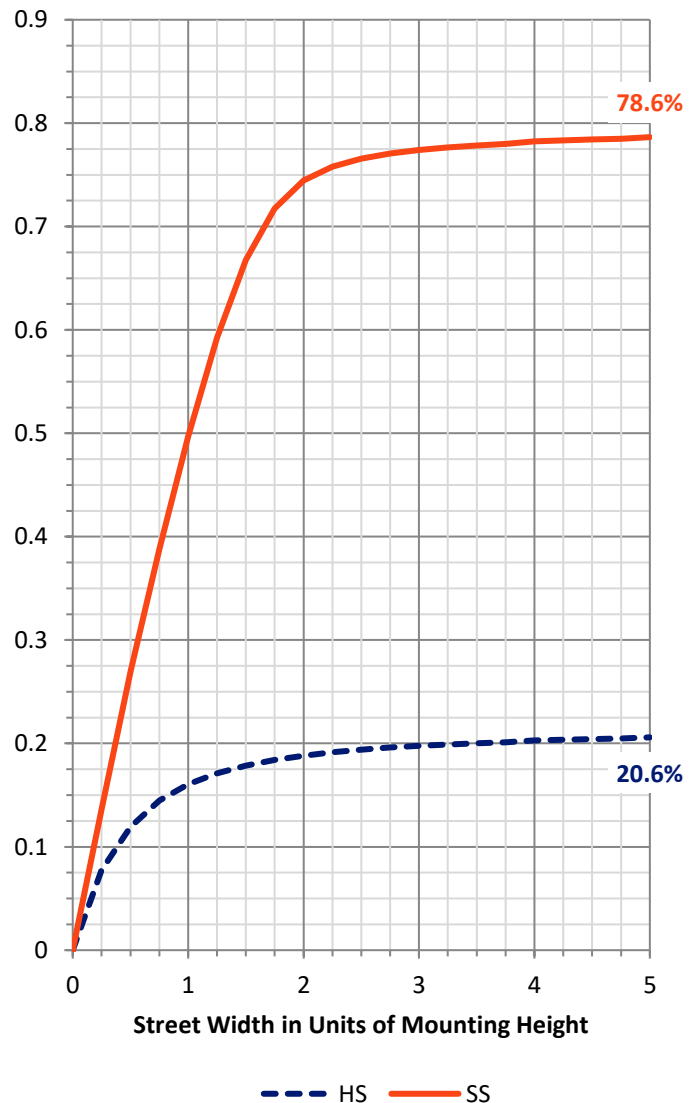
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2365.2	0.0	2365.2
	% Fixture	21.0	0.0	21.0
Street Side	Lumens	8873.3	0.0	8873.3
	% Fixture	79.0	0.0	79.0
Total	Lumens	11238.5	0.0	11238.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	145.1	1.3
10°-20°	451.0	4.0
20°-30°	780.4	6.9
30°-40°	1152.7	10.3
40°-50°	1714.2	15.3
50°-60°	2350.1	20.9
60°-70°	2549.1	22.7
70°-80°	1797.2	16.0
80°-90°	298.6	2.7
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°	11238.5	100.0
0°-180°	11238.5	100.0

Coefficient of Utilization



REPORT NUMBER: P674899

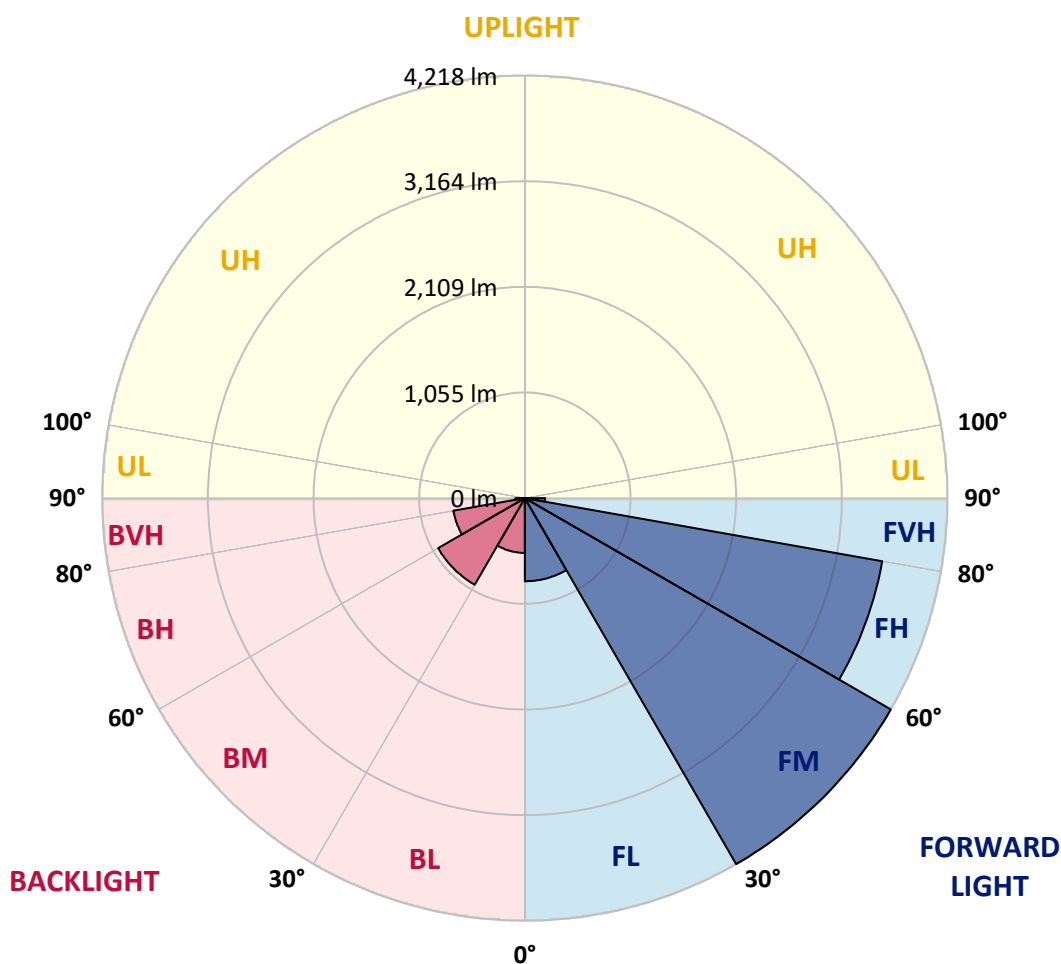
CATALOG NUMBER: CCW-SA-2E-835-U-T2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	829.9	7.4			
FM	(30°-60°)	4218.0	37.5			
FH	(60°-80°)	3621.8	32.2			G2/5000
FVH	(80°-90°)	203.6	1.8			G2/225
BL	(0°-30°)	546.7	4.9	B2/1000		
BM	(30°-60°)	999.0	8.9	B1/1000		
BH	(60°-80°)	724.5	6.4	B2/1000		G2/1000
BVH	(80°-90°)	95.0	0.8			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type II Medium





REPORT NUMBER: P674899

CATALOG NUMBER: CCW-SA-2E-835-U-T2

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
0°	1468.1	1468.1	1468.1	1468.1	1468.1	1468.1	1468.1	1468.1	1468.1	1468.1	1468.1
2.5°	1584.2	1584.2	1571.7	1567.6	1567.6	1534.4	1538.6	1517.8	1501.2	1501.2	1484.6
5°	1667.1	1658.8	1658.8	1658.8	1638.1	1625.6	1621.5	1584.2	1555.1	1559.3	1509.5
7.5°	1687.9	1692.0	1696.1	1716.9	1704.4	1712.7	1704.4	1663.0	1642.2	1621.5	1575.9
10°	1700.3	1708.6	1708.6	1737.6	1737.6	1758.4	1770.8	1754.2	1716.9	1696.1	1621.5
12.5°	1729.3	1716.9	1733.5	1754.2	1774.9	1812.3	1849.6	1833.0	1808.1	1783.2	1700.3
15°	1729.3	1733.5	1745.9	1779.1	1812.3	1849.6	1915.9	1940.8	1928.4	1882.8	1795.7
17.5°	1679.6	1667.1	1725.2	1787.4	1849.6	1895.2	1982.3	2040.4	2032.1	2015.5	1882.8
20°	1683.7	1696.1	1716.9	1770.8	1870.3	1953.3	2061.1	2156.5	2177.2	2168.9	1998.9
22.5°	1758.4	1762.5	1783.2	1808.1	1886.9	1994.7	2156.5	2309.9	2347.2	2326.5	2127.4
25°	1833.0	1866.2	1866.2	1882.8	1911.8	2023.8	2218.7	2434.3	2488.2	2492.4	2260.1
27.5°	1953.3	1961.6	1986.4	1994.7	2019.6	2086.0	2289.2	2525.6	2650.0	2633.4	2380.4
30°	2094.3	2098.4	2115.0	2106.7	2110.9	2193.8	2355.5	2629.2	2799.3	2803.4	2509.0
32.5°	2260.1	2293.3	2301.6	2247.7	2256.0	2276.7	2459.2	2753.6	2985.9	2956.9	2620.9
35°	2504.8	2517.3	2492.4	2467.5	2405.3	2392.9	2567.0	2878.1	3147.6	3180.8	2786.8
37.5°	2807.6	2840.7	2807.6	2674.9	2608.5	2558.7	2699.7	3014.9	3342.5	3454.5	2952.7
40°	3089.6	3085.4	3052.2	2932.0	2815.9	2778.5	2890.5	3205.7	3645.3	3753.1	3193.2
42.5°	3317.6	3305.2	3284.5	3193.2	3085.4	3023.2	3110.3	3404.7	3898.2	4105.6	3471.1
45°	3516.7	3500.1	3504.3	3400.6	3296.9	3330.1	3330.1	3632.8	4196.8	4453.9	3790.4
47.5°	3703.3	3711.6	3699.2	3620.4	3541.6	3628.7	3583.1	3894.1	4491.3	4777.4	4060.0
50°	3919.0	3935.6	3894.1	3844.3	3773.8	3860.9	3802.9	4138.8	4682.0	5071.9	4383.4
52.5°	4122.2	4138.8	4176.1	4113.9	4043.4	4113.9	3981.2	4366.9	4935.0	5358.0	4632.3
55°	4171.9	4163.6	4371.0	4437.4	4474.7	4263.2	4138.8	4561.8	5134.1	5540.5	4914.3
57.5°	3943.9	3964.6	4246.6	4437.4	4835.5	4653.0	4317.1	4789.9	5341.4	5781.0	5175.5
60°	3375.7	3388.1	3740.6	4192.7	4773.3	5017.9	4798.1	5084.3	5569.5	5984.2	5470.0
62.5°	2256.0	2351.4	2791.0	3500.1	4333.7	5117.5	5565.4	5581.9	5847.4	6241.3	5872.2
65°	1190.2	1235.8	1580.0	2152.3	3284.5	4773.3	6286.9	6568.9	6403.1	6714.1	6452.8
67.5°	779.6	796.2	982.9	1306.3	1895.2	3483.5	6369.9	8281.7	7518.6	7614.0	7381.8
70°	580.6	588.9	725.7	966.3	1173.6	1862.0	5221.2	9082.1	9077.9	8824.9	8484.9
72.5°	427.1	439.6	535.0	738.2	904.1	1003.6	2936.1	8124.1	9554.8	9426.3	8551.2
75°	335.9	344.2	394.0	572.3	729.9	659.4	1488.8	6017.4	8103.4	8721.3	7825.5
77.5°	273.7	282.0	311.0	414.7	584.7	510.1	713.3	3881.6	5494.9	6278.7	5988.4
80°	228.1	228.1	248.8	294.4	452.0	385.7	423.0	2181.4	2961.0	3267.9	2716.3
82.5°	194.9	190.8	207.4	215.6	335.9	277.9	273.7	987.0	1302.2	1381.0	1020.2
85°	124.4	128.6	194.9	186.6	219.8	190.8	153.4	468.6	613.8	626.2	381.5
87.5°	49.8	49.8	82.9	103.7	124.4	116.1	74.6	211.5	269.6	269.6	107.8
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: P674899

CATALOG NUMBER: CCW-SA-2E-835-U-T2

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1468.1	1468.1	1468.1	1468.1	1468.1	1468.1	1468.1	1468.1	1468.1	1468.1	1468.1
2.5°	1480.5	1463.9	1451.5	1443.2	1422.4	1401.7	1405.9	1401.7	1385.1	1376.8	1376.8
5°	1497.1	1480.5	1459.8	1426.6	1405.9	1381.0	1389.3	1372.7	1356.1	1368.5	1347.8
7.5°	1538.6	1509.5	1480.5	1430.7	1397.6	1360.2	1343.6	1335.4	1322.9	1314.6	1314.6
10°	1596.6	1555.1	1501.2	1426.6	1372.7	1314.6	1306.3	1289.7	1277.3	1277.3	1273.1
12.5°	1654.7	1609.1	1517.8	1397.6	1306.3	1264.9	1260.7	1264.9	1273.1	1277.3	1281.4
15°	1729.3	1654.7	1513.7	1343.6	1252.4	1235.8	1256.6	1273.1	1289.7	1306.3	1302.2
17.5°	1799.8	1712.7	1476.4	1277.3	1206.8	1210.9	1248.3	1281.4	1314.6	1331.2	1335.4
20°	1895.2	1766.6	1422.4	1198.5	1161.2	1198.5	1248.3	1289.7	1327.1	1347.8	1351.9
22.5°	2003.0	1828.9	1351.9	1128.0	1123.9	1161.2	1210.9	1273.1	1314.6	1351.9	1347.8
25°	2098.4	1870.3	1260.7	1069.9	1078.2	1103.1	1161.2	1227.5	1269.0	1310.5	1298.0
27.5°	2160.6	1878.6	1165.3	1028.5	1028.5	1053.4	1107.3	1148.7	1186.1	1219.2	1223.4
30°	2231.1	1862.0	1057.5	974.6	974.6	1007.7	1028.5	1053.4	1074.1	1082.4	1090.7
32.5°	2314.1	1824.7	991.1	933.1	933.1	958.0	970.4	962.1	958.0	937.2	949.7
35°	2392.9	1770.8	916.5	879.2	895.8	908.2	904.1	879.2	854.3	817.0	804.5
37.5°	2488.2	1716.9	850.1	821.1	850.1	854.3	854.3	825.3	792.1	746.5	746.5
40°	2633.4	1675.4	796.2	783.8	812.8	808.7	787.9	767.2	779.6	754.8	754.8
42.5°	2786.8	1658.8	746.5	750.6	763.1	767.2	746.5	721.6	771.4	742.3	746.5
45°	2977.6	1671.3	713.3	709.1	738.2	734.0	721.6	700.9	717.4	642.8	622.1
47.5°	3155.9	1696.1	696.7	680.1	713.3	721.6	705.0	659.4	634.5	588.9	580.6
50°	3317.6	1750.1	680.1	646.9	680.1	696.7	667.7	617.9	588.9	559.9	559.9
52.5°	3471.1	1828.9	671.8	609.6	638.6	659.4	642.8	593.0	559.9	547.4	535.0
55°	3628.7	1899.4	659.4	584.7	593.0	634.5	630.4	564.0	530.8	530.8	526.7
57.5°	3852.6	1994.7	642.8	543.3	559.9	605.5	605.5	551.6	514.2	518.4	522.5
60°	4080.7	2106.7	626.2	501.8	514.2	576.4	584.7	535.0	501.8	505.9	501.8
62.5°	4445.6	2314.1	593.0	452.0	476.9	539.1	559.9	514.2	485.2	493.5	493.5
65°	4997.2	2670.7	522.5	410.6	439.6	505.9	535.0	493.5	460.3	485.2	476.9
67.5°	5884.7	3160.1	439.6	377.4	414.7	472.8	505.9	468.6	439.6	476.9	464.5
70°	6680.9	3400.6	377.4	348.4	377.4	435.4	472.8	443.7	414.7	452.0	435.4
72.5°	6357.4	2666.6	327.6	315.2	344.2	394.0	439.6	410.6	381.5	402.3	385.7
75°	5486.6	2123.3	286.1	282.0	306.9	356.6	402.3	381.5	352.5	360.8	352.5
77.5°	4159.5	1754.2	244.7	240.5	261.3	319.3	360.8	344.2	315.2	311.0	311.0
80°	1857.9	862.6	203.2	203.2	215.6	273.7	306.9	298.6	269.6	265.4	261.3
82.5°	609.6	327.6	165.9	157.6	174.2	228.1	273.7	265.4	236.4	228.1	219.8
85°	244.7	157.6	120.3	120.3	136.9	190.8	244.7	228.1	190.8	170.0	170.0
87.5°	82.9	66.4	62.2	62.2	87.1	128.6	182.5	153.4	136.9	120.3	124.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)