

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: P675469

Luminaire Tested: **CCW-SA-1E-835-U-SL2**

Issue Date: 04/25/2023

Test Information

Test Method: LM-79-08
Report Number: P675469
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-1E-835-U-SL2
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @1050mA w/
SL2 distribution lens
Light Source: (16) 3500K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

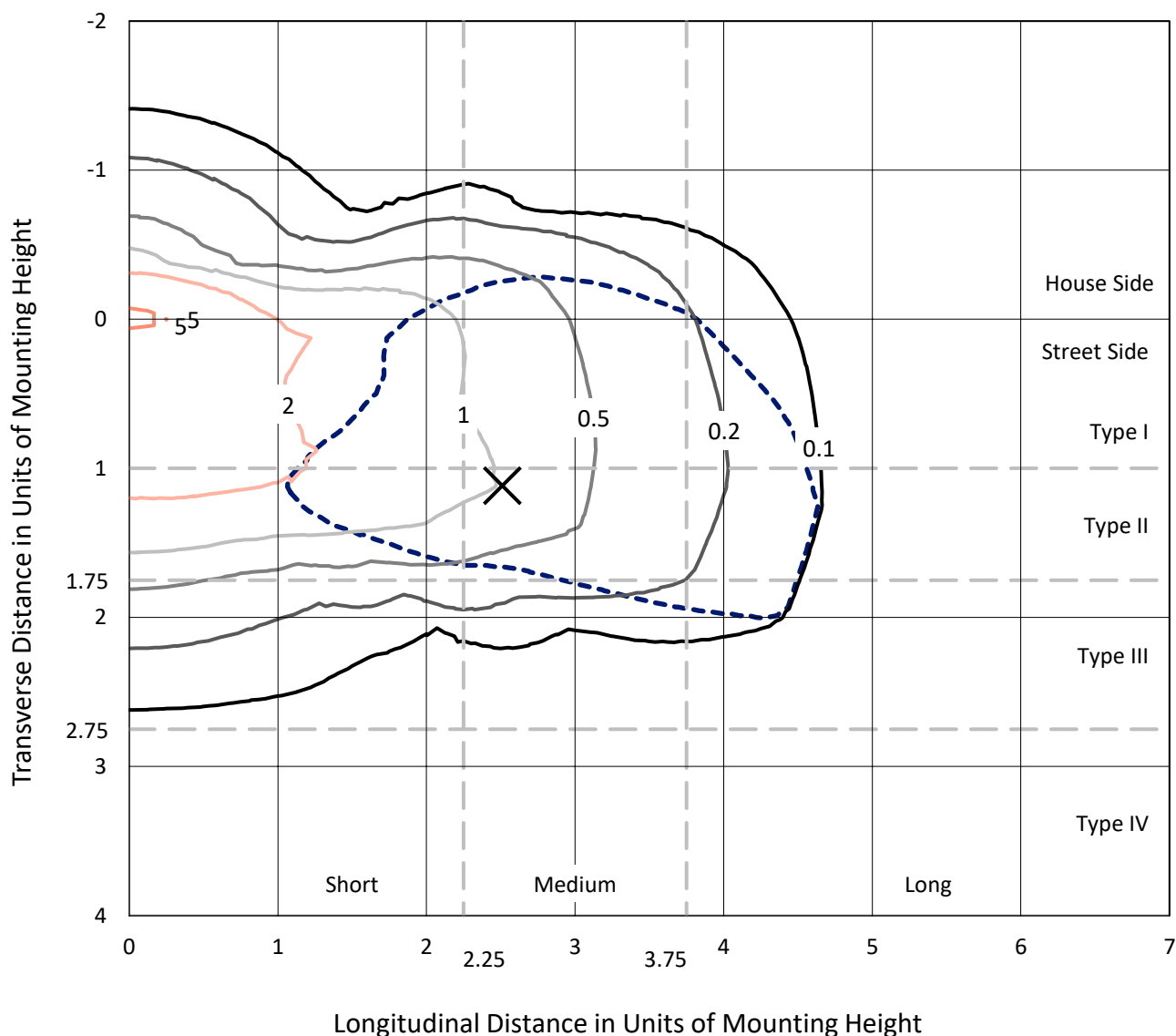
Lumens per Lamp: N/A
Luminaire Lumens: 5575.6 lumens
Efficiency: N/A
Efficacy: 99.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

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: P675469
 CATALOG NUMBER: CCW-SA-1E-835-U-SL2

Iso-Footcandle Lines of Horizontal Illumination

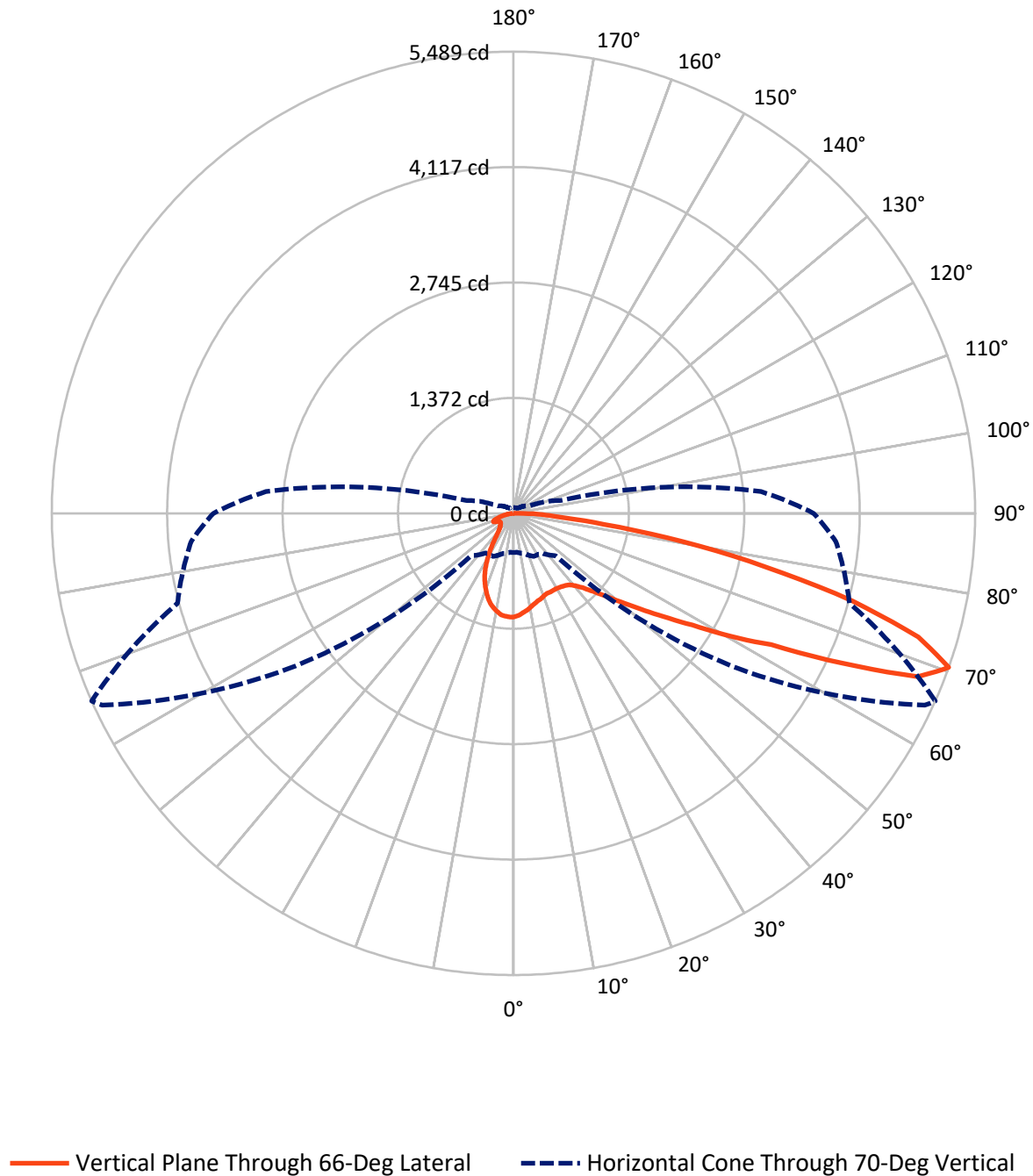
× Max cd
 --- 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 5.5 fc
 Type III - Medium - N/A

REPORT NUMBER: P675469
CATALOG NUMBER: CCW-SA-1E-835-U-SL2

Luminous Intensity Polar Plot



REPORT NUMBER: P675469

CATALOG NUMBER: CCW-SA-1E-835-U-SL2

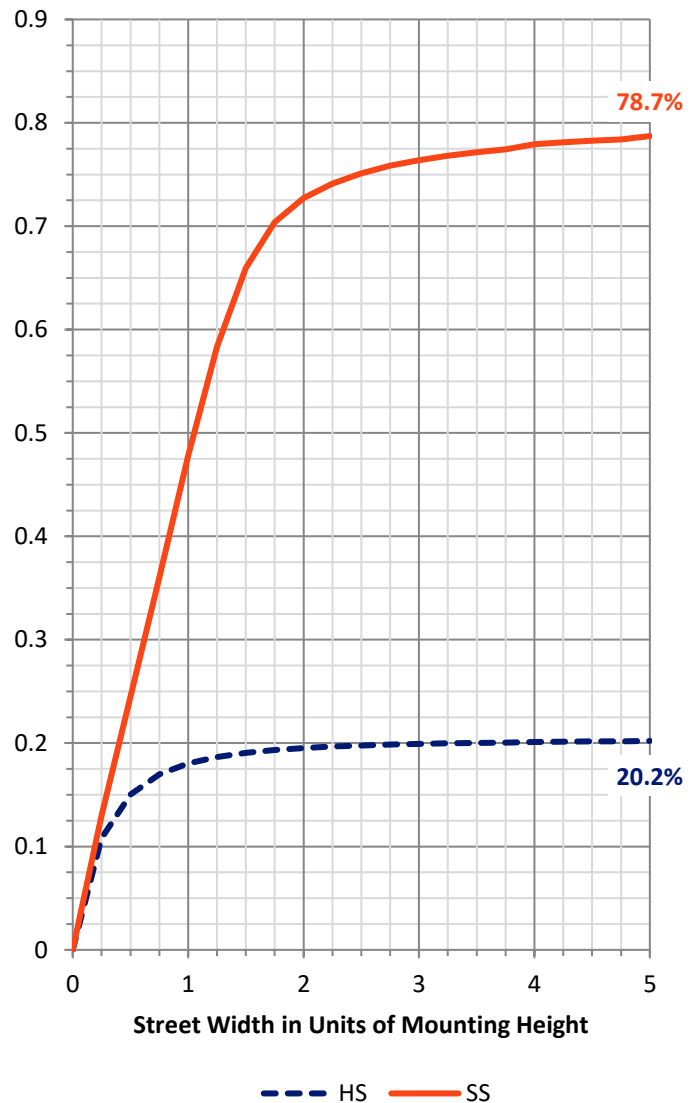
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1141.3	0.0	1141.3
	% Fixture	20.5	0.0	20.5
Street Side	Lumens	4434.4	0.0	4434.4
	% Fixture	79.5	0.0	79.5
Total	Lumens	5575.6	0.0	5575.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	108.9	2.0
10°-20°	268.1	4.8
20°-30°	368.2	6.6
30°-40°	493.7	8.9
40°-50°	716.4	12.8
50°-60°	1088.9	19.5
60°-70°	1344.8	24.1
70°-80°	1000.0	17.9
80°-90°	186.5	3.3
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°	5575.6	100.0
0°-180°	5575.6	100.0

Coefficient of Utilization



REPORT NUMBER: P675469

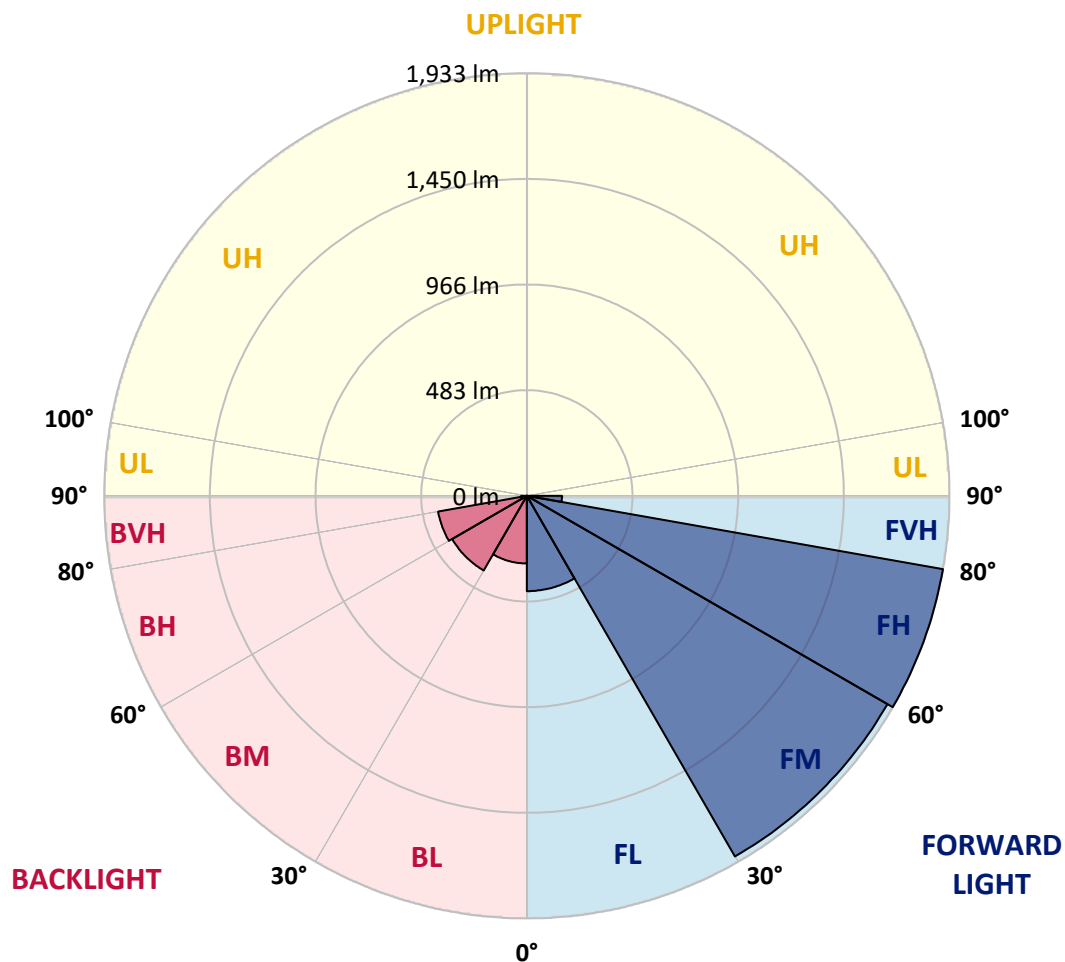
CATALOG NUMBER: CCW-SA-1E-835-U-SL2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	436.0	7.8			
FM	(30°-60°)	1904.7	34.2			
FH	(60°-80°)	1932.9	34.7			G2/5000
FVH	(80°-90°)	160.8	2.9			G2/225
BL	(0°-30°)	309.3	5.5	B1/500		
BM	(30°-60°)	394.2	7.1	B1/1000		
BH	(60°-80°)	412.0	7.4	B1/500		G1/500
BVH	(80°-90°)	25.7	0.5			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 III Medium





REPORT NUMBER: P675469

CATALOG NUMBER: CCW-SA-1E-835-U-SL2

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	1231.8	1231.8	1231.8	1231.8	1231.8	1231.8	1231.8	1231.8	1231.8	1231.8	1231.8
2.5°	1171.7	1177.9	1180.0	1184.1	1194.5	1202.8	1215.2	1221.5	1215.2	1223.5	1223.5
5°	1090.8	1082.5	1103.3	1111.5	1124.0	1140.6	1169.6	1192.4	1186.2	1211.1	1231.8
7.5°	1022.4	1022.4	1028.6	1047.3	1061.8	1086.7	1117.8	1153.0	1163.4	1196.6	1227.7
10°	960.2	968.5	968.5	997.5	1005.8	1034.8	1086.7	1130.2	1132.3	1188.3	1231.8
12.5°	927.0	922.8	943.6	951.9	976.8	1005.8	1047.3	1101.2	1103.3	1163.4	1223.5
15°	900.0	904.2	914.5	935.3	958.1	980.9	1020.3	1070.1	1080.4	1151.0	1219.4
17.5°	902.1	904.2	904.2	918.7	937.4	964.3	1001.6	1059.7	1065.9	1134.4	1213.2
20°	914.5	906.2	912.5	918.7	931.1	956.0	987.1	1036.9	1043.1	1132.3	1227.7
22.5°	941.5	935.3	933.2	931.1	929.1	943.6	983.0	1024.4	1030.7	1121.9	1233.9
25°	985.0	983.0	968.5	953.9	943.6	943.6	974.7	1034.8	1032.7	1121.9	1238.0
27.5°	1036.9	1036.9	1034.8	1007.9	976.8	960.2	980.9	1030.7	1028.6	1121.9	1248.4
30°	1107.4	1107.4	1101.2	1076.3	1020.3	972.6	985.0	1026.5	1032.7	1113.6	1240.1
32.5°	1184.1	1182.1	1188.3	1165.5	1107.4	1030.7	1009.9	1034.8	1041.0	1121.9	1242.2
35°	1240.1	1252.6	1273.3	1252.6	1194.5	1090.8	1045.2	1051.4	1055.6	1124.0	1250.5
37.5°	1304.4	1318.9	1348.0	1364.6	1302.3	1182.1	1101.2	1078.4	1078.4	1151.0	1252.6
40°	1397.7	1383.2	1433.0	1462.0	1437.1	1294.0	1188.3	1128.1	1130.2	1186.2	1279.5
42.5°	1466.2	1480.7	1532.5	1584.4	1553.3	1430.9	1283.7	1209.0	1209.0	1238.0	1321.0
45°	1542.9	1559.5	1632.1	1694.3	1717.1	1594.7	1414.3	1325.1	1321.0	1339.7	1395.7
47.5°	1627.9	1650.7	1733.7	1806.3	1866.4	1764.8	1582.3	1466.2	1464.1	1478.6	1520.1
50°	1725.4	1733.7	1802.1	1934.8	2055.1	1990.8	1787.6	1665.2	1654.9	1661.1	1717.1
52.5°	1754.4	1748.2	1827.0	1970.1	2189.9	2266.6	2067.6	1891.3	1887.1	1872.6	1945.2
55°	1648.7	1669.4	1746.1	1928.6	2299.8	2592.2	2374.5	2200.3	2163.0	2123.6	2210.7
57.5°	1437.1	1439.2	1526.3	1742.0	2214.8	2861.8	2895.0	2503.1	2505.1	2399.4	2498.9
60°	1117.8	1111.5	1180.0	1374.9	1972.2	2944.8	3463.2	2986.3	2965.5	2675.2	2766.4
62.5°	806.7	794.3	808.8	922.8	1474.5	2818.3	4021.1	3527.5	3440.4	2957.2	3027.7
65°	663.6	669.8	676.1	682.3	827.4	2324.7	4193.2	4410.9	4294.8	3286.9	3316.0
67.5°	549.6	553.7	580.7	618.0	613.8	1372.8	3994.1	5228.0	5184.5	3695.5	3564.8
70°	466.6	464.5	495.6	564.1	574.4	713.4	3162.5	5396.0	5489.3	4135.1	3846.9
72.5°	373.3	377.4	404.4	495.6	564.1	601.4	1820.8	5035.2	5033.1	4473.2	3695.5
75°	267.5	267.5	304.8	410.6	545.4	595.2	1007.9	4087.4	4164.2	4203.6	3206.1
77.5°	176.3	184.6	213.6	306.9	512.2	582.7	638.7	2971.7	3067.1	3143.9	2453.3
80°	120.3	124.4	143.1	213.6	433.4	586.9	522.6	1999.1	2036.5	1735.8	995.4
82.5°	72.6	74.7	95.4	149.3	311.1	557.8	491.5	1103.3	1080.4	524.7	286.2
85°	39.4	41.5	60.1	99.5	205.3	487.3	483.2	541.3	503.9	192.9	120.3
87.5°	14.5	14.5	27.0	49.8	118.2	333.9	421.0	321.4	300.7	97.5	56.0
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: P675469

CATALOG NUMBER: CCW-SA-1E-835-U-SL2

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1231.8	1231.8	1231.8	1231.8	1231.8	1231.8	1231.8	1231.8	1231.8	1231.8	1231.8
2.5°	1233.9	1233.9	1233.9	1233.9	1231.8	1223.5	1229.8	1227.7	1215.2	1217.3	1209.0
5°	1229.8	1240.1	1233.9	1225.6	1215.2	1190.4	1182.1	1175.8	1159.2	1153.0	1159.2
7.5°	1240.1	1231.8	1227.7	1213.2	1171.7	1148.9	1119.8	1084.6	1059.7	1053.5	1059.7
10°	1238.0	1238.0	1219.4	1177.9	1138.5	1072.1	1034.8	972.6	937.4	927.0	929.1
12.5°	1229.8	1236.0	1206.9	1140.6	1065.9	985.0	916.6	850.3	788.0	763.2	759.0
15°	1238.0	1231.8	1180.0	1095.0	991.3	879.3	779.7	682.3	624.2	586.9	578.6
17.5°	1225.6	1219.4	1144.7	1032.7	893.8	750.7	626.3	520.5	462.5	447.9	447.9
20°	1240.1	1200.7	1103.3	958.1	792.2	609.7	468.7	389.9	375.4	375.4	379.5
22.5°	1238.0	1196.6	1068.0	885.5	669.8	460.4	348.4	325.6	327.7	344.2	342.2
25°	1225.6	1188.3	1018.2	804.6	541.3	346.3	288.3	282.0	296.6	315.2	313.1
27.5°	1223.5	1165.5	972.6	709.2	412.7	273.7	250.9	250.9	265.4	282.0	280.0
30°	1211.1	1146.8	916.6	601.4	311.1	238.5	230.2	230.2	236.4	244.7	244.7
32.5°	1209.0	1121.9	854.4	489.4	248.9	215.7	211.5	213.6	213.6	217.7	215.7
35°	1192.4	1088.7	790.1	379.5	215.7	203.2	199.1	197.0	197.0	194.9	194.9
37.5°	1186.2	1068.0	723.8	294.5	201.2	192.9	188.7	182.5	180.4	180.4	178.3
40°	1192.4	1047.3	659.5	238.5	188.7	184.6	178.3	170.1	168.0	168.0	168.0
42.5°	1215.2	1045.2	593.1	207.4	182.5	176.3	168.0	159.7	157.6	159.7	157.6
45°	1267.1	1061.8	528.8	192.9	174.2	168.0	157.6	151.4	149.3	151.4	151.4
47.5°	1352.1	1107.4	470.7	184.6	168.0	159.7	149.3	143.1	143.1	143.1	143.1
50°	1493.1	1194.5	414.8	178.3	163.8	153.5	143.1	134.8	132.7	132.7	134.8
52.5°	1704.7	1343.8	369.1	174.2	157.6	145.2	134.8	128.6	124.4	122.4	124.4
55°	1959.7	1561.6	354.6	170.1	149.3	138.9	128.6	120.3	116.1	116.1	114.1
57.5°	2233.5	1802.1	379.5	165.9	143.1	130.6	120.3	112.0	107.8	105.8	105.8
60°	2530.0	2086.2	470.7	163.8	136.9	122.4	112.0	105.8	99.5	97.5	97.5
62.5°	2799.6	2343.4	634.6	161.8	132.7	114.1	103.7	95.4	91.2	89.2	89.2
65°	3106.5	2629.6	794.3	170.1	130.6	107.8	95.4	87.1	83.0	80.9	80.9
67.5°	3374.0	2878.4	887.6	190.8	136.9	99.5	85.0	78.8	76.7	74.7	74.7
70°	3569.0	2955.1	595.2	209.5	147.2	93.3	76.7	72.6	68.4	68.4	68.4
72.5°	3307.7	2637.9	352.5	197.0	138.9	87.1	68.4	64.3	62.2	62.2	60.1
75°	2828.6	2245.9	271.7	159.7	112.0	74.7	60.1	56.0	53.9	53.9	51.8
77.5°	2088.3	1609.3	201.2	126.5	87.1	60.1	51.8	49.8	47.7	45.6	45.6
80°	817.1	705.1	136.9	93.3	64.3	47.7	43.5	41.5	39.4	37.3	37.3
82.5°	253.0	213.6	78.8	62.2	45.6	37.3	35.3	33.2	31.1	29.0	29.0
85°	109.9	105.8	51.8	39.4	31.1	24.9	24.9	22.8	20.7	18.7	18.7
87.5°	53.9	51.8	29.0	18.7	16.6	12.4	12.4	10.4	8.3	8.3	8.3
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)