

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: P674181

Luminaire Tested: **CCP-SA-1A-835-U-SLL-HSS**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P674181
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1A-835-U-SLL-HSS
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @350mA w/ SLL distribution lens and House Side Shield
Light Source: (16) 3500K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

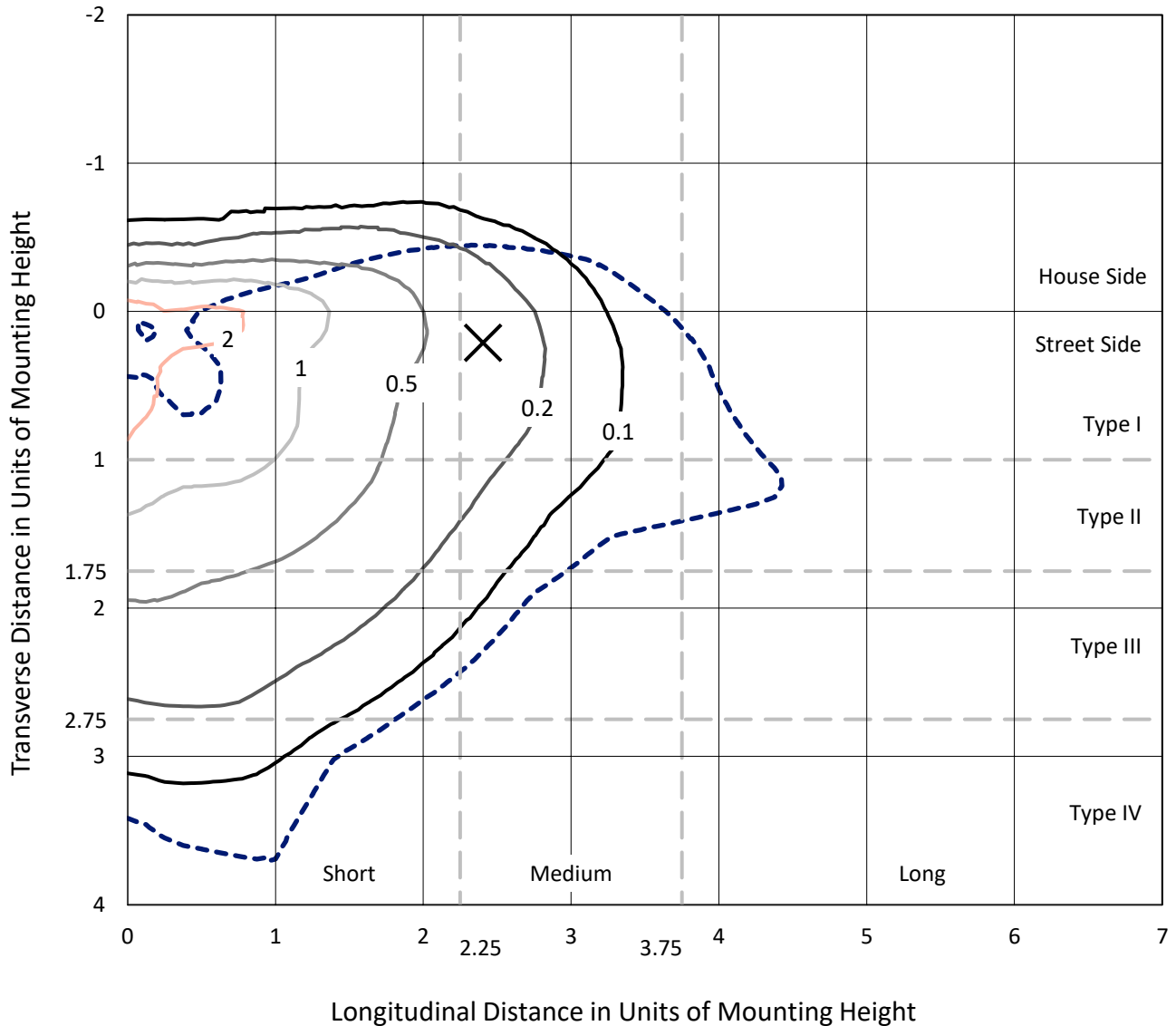
Lumens per Lamp: N/A
Luminaire Lumens: 1635.6 lumens
Efficiency: N/A
Efficacy: 90.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B0 - U0 - G1

Input Watts (W): 18
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: P674181
 CATALOG NUMBER: CCP-SA-1A-835-U-SLL-HSS

Iso-Footcandle Lines of Horizontal Illumination

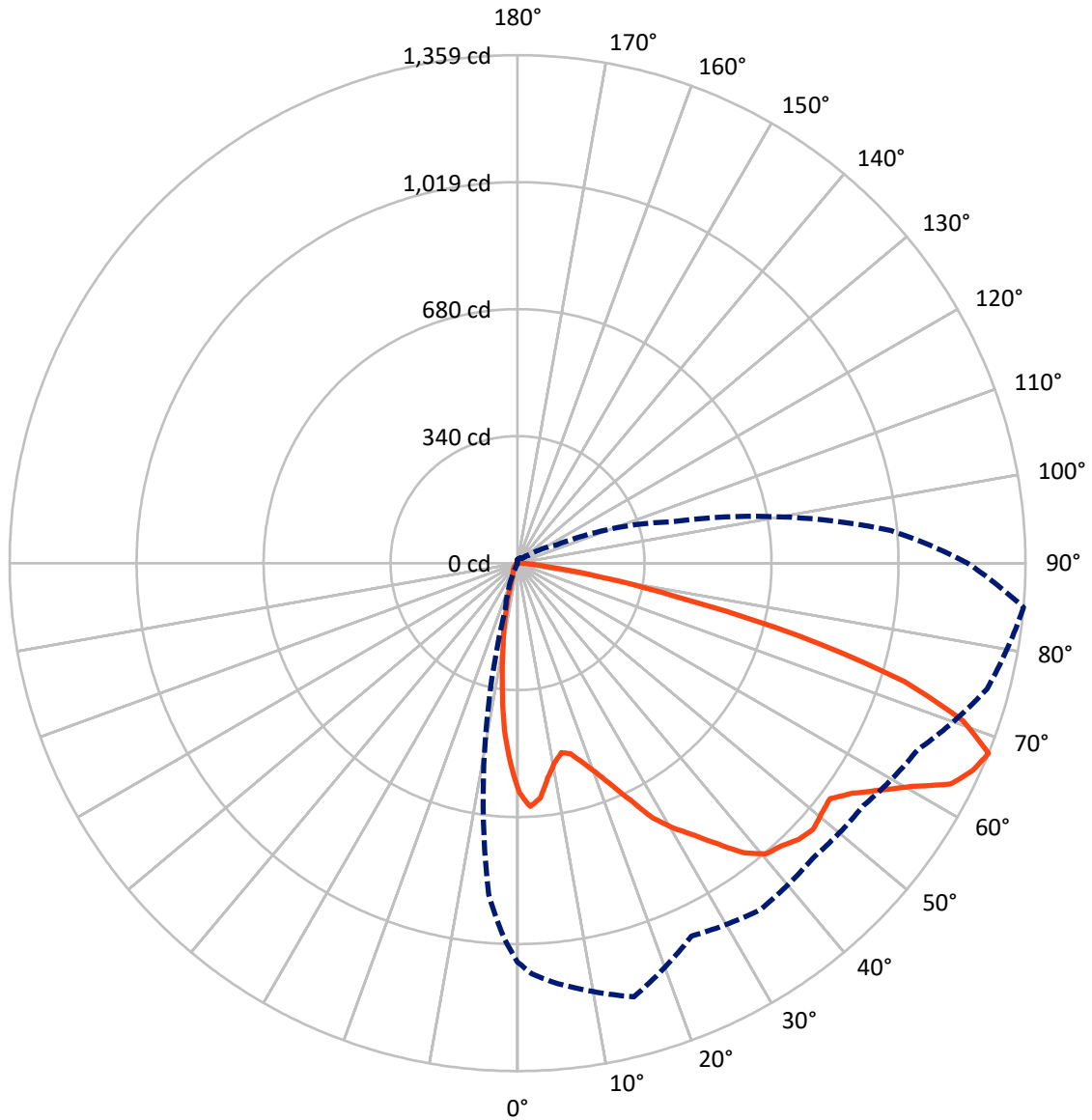
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 3.1 fc
 Type III - Medium - N/A

REPORT NUMBER: P674181
CATALOG NUMBER: CCP-SA-1A-835-U-SLL-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 85-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P674181
 CATALOG NUMBER: CCP-SA-1A-835-U-SLL-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	284.0	0.0	284.0
	% Fixture	17.4	0.0	17.4
Street Side	Lumens	1351.6	0.0	1351.6
	% Fixture	82.6	0.0	82.6
Total	Lumens	1635.6	0.0	1635.6
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	46.7	2.9
10°-20°	91.6	5.6
20°-30°	126.8	7.8
30°-40°	179.2	11.0
40°-50°	243.9	14.9
50°-60°	323.1	19.8
60°-70°	375.1	22.9
70°-80°	212.4	13.0
80°-90°	36.7	2.2
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°	1635.6	100.0
0°-180°	1635.6	100.0

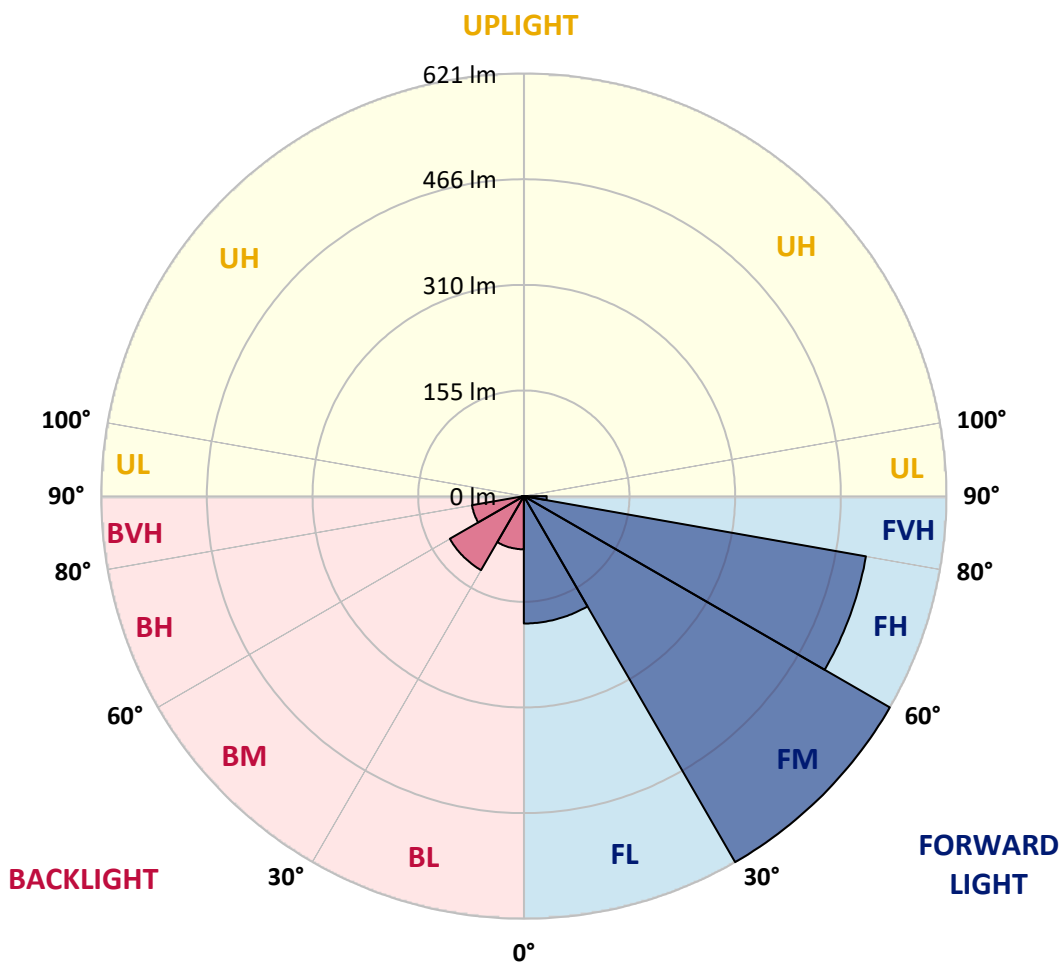


REPORT NUMBER: P674181
 CATALOG NUMBER: CCP-SA-1A-835-U-SLL-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	187.0	11.4			
FM (30°-60°)	620.7	38.0			
FH (60°-80°)	510.2	31.2			G0/660
FVH (80°-90°)	33.6	2.1			G1/100
BL (0°-30°)	78.1	4.8	B0/110		
BM (30°-60°)	125.5	7.7	B0/220		
BH (60°-80°)	77.3	4.7	B0/110		G0/110
BVH (80°-90°)	3.1	0.2			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G1
 Type III Medium





REPORT NUMBER: P674181

CATALOG NUMBER: CCP-SA-1A-835-U-SLL-HSS

CANDELA DISTRIBUTION (FULL):

	0°	2°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	615.0	615.0	615.0	615.0	615.0	615.0	615.0	615.0	615.0	615.0	615.0
2.5°	639.0	652.5	653.0	659.1	665.2	665.2	679.6	676.1	663.5	661.3	652.1
5°	643.8	648.6	652.1	683.1	709.3	706.7	714.6	709.3	684.9	653.4	632.0
7.5°	602.3	607.5	621.5	674.4	709.8	721.5	736.4	703.6	677.9	621.1	580.0
10°	547.3	557.3	583.1	643.4	687.0	724.6	724.6	698.4	648.6	593.1	542.9
12.5°	516.7	536.8	550.8	611.9	668.7	694.5	693.6	679.6	647.3	577.4	520.6
15°	521.9	527.6	557.3	604.9	642.5	641.2	656.9	652.5	629.8	591.4	528.9
17.5°	546.0	554.7	580.5	604.9	622.8	617.6	617.2	638.1	639.4	615.0	559.9
20°	585.3	611.0	623.3	630.7	608.9	586.6	584.0	613.2	635.9	645.1	597.1
22.5°	648.2	665.2	690.1	652.1	595.3	567.4	562.1	594.4	640.3	680.9	645.1
25°	709.8	722.9	746.9	698.0	610.6	563.4	554.3	582.2	656.9	730.7	703.2
27.5°	774.8	786.2	788.8	731.6	618.9	555.6	544.7	582.2	670.9	756.9	772.6
30°	814.6	828.1	830.7	761.3	632.4	562.1	556.9	584.8	680.5	779.2	822.4
32.5°	859.1	862.6	860.4	766.5	647.3	581.3	559.5	602.3	691.4	805.8	867.9
35°	912.4	918.5	896.3	790.6	680.5	593.6	585.7	623.7	710.2	818.1	922.9
37.5°	953.0	972.2	922.0	799.7	687.0	619.3	620.6	668.3	723.3	832.9	983.6
40°	1029.5	997.1	965.7	831.2	711.9	663.0	656.0	714.1	767.4	842.5	1023.4
42.5°	1071.4	1054.4	982.7	834.2	750.4	723.3	725.0	766.1	790.6	869.6	1034.3
45°	1081.9	1064.0	1005.9	836.4	788.4	794.5	824.6	832.5	824.6	887.5	1054.8
47.5°	1108.5	1069.6	1003.3	865.7	850.0	873.5	912.0	929.0	870.9	881.0	1064.4
50°	1103.3	1081.0	997.6	877.9	925.1	987.5	1013.3	1006.3	922.5	867.4	1053.9
52.5°	1081.4	1057.4	1015.1	911.1	995.4	1071.0	1106.8	1089.3	968.3	898.0	1046.9
55°	1113.3	1095.0	1037.8	956.1	1048.2	1144.3	1169.7	1156.6	1024.7	926.4	1086.7
57.5°	1147.8	1143.9	1099.3	1008.9	1110.7	1219.9	1219.9	1203.7	1073.6	967.4	1145.6
60°	1197.6	1206.4	1144.8	1043.9	1132.1	1215.5	1278.9	1260.1	1122.9	1039.5	1212.5
62.5°	1181.5	1209.4	1203.3	1119.0	1156.6	1236.9	1271.4	1285.4	1184.1	1127.3	1301.6
65°	1129.5	1159.2	1202.9	1168.4	1138.2	1185.0	1202.4	1244.8	1214.7	1209.9	1338.3
67.5°	1067.5	1099.8	1126.9	1201.6	1101.1	1132.1	1116.8	1130.4	1181.5	1300.3	1359.2
70°	932.1	963.1	1005.9	1127.7	1002.8	974.9	970.9	964.4	1043.9	1267.9	1264.0
72.5°	766.5	780.9	851.7	916.8	742.1	736.8	742.9	735.5	827.7	1147.8	1082.8
75°	573.9	588.3	628.5	704.1	505.3	475.2	510.1	544.7	632.0	891.0	777.9
77.5°	431.5	449.9	475.2	526.7	370.8	323.6	328.5	361.2	456.9	713.7	435.9
80°	280.0	277.8	326.7	362.5	279.1	287.8	275.6	299.6	331.1	381.7	222.8
82.5°	161.6	163.8	184.3	207.9	194.4	222.3	160.3	267.7	236.3	155.5	83.0
85°	90.8	94.8	113.6	144.1	121.9	81.7	66.8	132.8	148.5	63.8	40.2
87.5°	9.2	7.9	15.3	54.6	33.2	13.5	20.1	31.9	35.8	24.0	11.8
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: P674181
 CATALOG NUMBER: CCP-SA-1A-835-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	615.0	615.0	615.0	615.0	615.0	615.0	615.0	615.0	615.0	615.0	615.0
2.5°	639.0	639.0	628.1	609.7	602.3	589.2	571.3	577.0	570.9	548.6	542.9
5°	612.8	591.8	569.1	541.2	525.0	491.8	481.3	462.5	465.6	446.8	447.7
7.5°	558.2	541.6	503.2	466.5	434.6	405.8	365.1	349.9	335.0	327.6	336.3
10°	526.3	495.3	442.9	394.8	352.5	326.7	299.6	278.7	259.4	245.0	242.0
12.5°	503.2	475.6	412.3	353.8	320.6	299.6	274.7	245.9	227.1	202.2	194.8
15°	496.2	462.5	395.7	337.6	305.3	270.8	242.4	214.0	189.6	163.4	154.2
17.5°	520.2	481.3	395.3	324.5	279.1	242.0	202.7	170.8	145.9	121.9	116.2
20°	560.8	501.4	407.9	316.7	254.2	204.4	159.9	128.0	100.0	84.3	80.4
22.5°	607.1	535.5	409.3	295.7	229.3	166.8	116.6	84.3	68.6	61.1	59.0
25°	663.9	590.1	425.0	278.7	200.0	126.7	83.0	64.6	55.5	51.1	50.2
27.5°	710.6	628.1	442.0	260.8	171.2	93.9	65.1	52.8	48.0	43.7	43.2
30°	759.1	671.8	446.8	249.8	146.3	77.3	55.9	46.7	41.5	39.3	38.9
32.5°	801.5	719.4	462.1	231.9	122.7	68.1	50.7	41.9	38.4	34.9	34.5
35°	856.1	746.9	469.5	222.3	114.0	61.6	46.3	38.4	33.2	31.0	30.1
37.5°	914.6	773.5	474.3	214.9	106.6	57.7	43.7	36.3	31.4	28.4	27.5
40°	969.2	811.1	467.3	205.7	100.9	52.8	41.9	33.6	29.3	26.2	24.9
42.5°	1011.1	847.8	465.2	197.0	94.8	51.1	39.7	32.3	27.5	24.0	23.6
45°	1034.7	872.7	449.9	190.0	90.0	52.0	38.9	30.6	26.2	23.1	21.4
47.5°	1029.0	891.9	453.8	187.8	83.4	48.5	38.4	29.3	24.0	21.4	20.1
50°	1060.5	930.8	447.3	180.8	78.6	43.7	41.9	29.3	23.6	20.5	19.2
52.5°	1065.7	966.1	461.2	168.2	71.2	40.2	41.5	28.8	22.7	19.7	17.9
55°	1109.4	1007.2	488.3	161.2	65.1	34.9	38.0	28.0	20.5	17.9	17.0
57.5°	1168.8	1092.4	505.8	154.6	56.8	30.6	31.9	27.5	18.8	16.6	15.3
60°	1226.0	1126.4	507.1	142.8	48.9	27.5	24.9	27.5	17.5	14.9	13.5
62.5°	1268.8	1126.4	498.4	132.8	42.8	24.5	21.8	26.2	15.7	13.1	12.2
65°	1245.7	1096.3	475.6	124.5	38.9	21.4	18.8	20.1	14.0	11.4	10.5
67.5°	1204.2	1002.4	425.4	114.4	38.4	18.8	16.2	14.9	12.2	10.0	9.2
70°	1137.8	875.7	354.2	103.1	37.6	17.0	14.4	12.7	10.9	8.7	7.9
72.5°	916.8	723.3	290.9	96.5	36.7	14.9	12.2	10.9	9.2	7.4	6.6
75°	635.1	462.1	224.1	82.5	35.8	13.5	11.4	9.6	7.9	6.1	5.7
77.5°	380.9	308.8	144.6	62.0	23.6	10.9	9.6	7.4	6.6	5.2	4.8
80°	178.2	145.9	58.5	24.0	11.4	7.9	6.6	5.7	5.2	4.4	3.9
82.5°	69.9	61.6	28.4	14.0	9.2	6.1	5.2	4.8	4.4	3.5	3.1
85°	37.6	33.2	13.5	9.6	6.6	4.4	4.4	3.9	3.5	3.1	2.6
87.5°	8.3	6.1	5.7	5.7	4.8	3.5	3.5	3.1	2.6	2.2	1.7
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: P674181
 CATALOG NUMBER: CCP-SA-1A-835-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	615.0	615.0	615.0	615.0	615.0	615.0	615.0	615.0	615.0	615.0	615.0
2.5°	539.8	546.4	535.9	542.5	533.3	540.3	541.2	534.6	536.4	545.1	549.0
5°	459.9	455.6	445.9	442.9	443.3	437.6	439.8	442.9	447.7	450.3	458.2
7.5°	331.5	341.6	341.1	348.5	349.0	348.1	342.0	328.9	333.3	329.8	334.1
10°	237.2	241.5	249.8	254.6	263.4	258.6	244.6	239.3	236.7	236.3	240.7
12.5°	189.6	179.1	178.2	179.9	184.3	178.6	171.7	165.5	168.6	174.7	179.5
15°	146.8	138.0	126.7	124.9	125.8	123.2	115.7	107.9	110.1	116.2	119.7
17.5°	112.7	102.6	94.8	89.5	87.8	78.6	67.7	61.1	59.4	59.0	62.0
20°	76.0	74.3	72.9	66.4	66.4	53.3	44.1	39.3	39.3	40.2	40.6
22.5°	56.8	54.6	55.0	53.7	50.2	39.7	34.9	33.6	33.6	34.5	34.5
25°	49.4	46.3	45.4	45.0	41.5	34.1	30.6	29.3	29.3	30.1	30.1
27.5°	41.9	41.1	39.7	38.0	34.9	29.3	27.1	25.8	26.2	26.6	26.2
30°	38.4	36.3	34.5	34.5	31.0	26.2	24.5	23.6	22.7	23.6	24.0
32.5°	34.1	32.8	31.9	30.6	26.6	23.1	21.4	20.5	20.1	20.1	20.5
35°	29.3	29.3	28.4	26.6	23.1	21.0	18.8	17.9	17.5	17.9	17.9
37.5°	26.2	24.9	25.3	23.6	20.5	18.3	16.2	15.3	15.3	14.9	15.3
40°	24.5	22.3	21.0	20.1	18.3	15.7	14.0	13.1	12.7	12.7	12.7
42.5°	21.8	20.1	17.5	17.0	16.6	13.5	11.4	10.9	10.5	10.0	10.0
45°	20.5	17.9	15.7	13.5	13.5	11.4	9.6	8.7	8.3	7.9	8.3
47.5°	18.8	16.2	13.5	11.4	10.9	9.2	7.4	6.6	6.1	6.1	6.1
50°	17.9	14.4	11.8	9.6	8.3	7.4	5.7	4.8	4.4	4.4	4.4
52.5°	16.6	13.5	10.5	8.3	6.6	5.7	4.4	3.5	3.1	3.1	3.1
55°	14.9	12.2	9.2	7.0	5.7	4.4	3.1	2.2	1.7	1.7	1.7
57.5°	14.0	10.9	7.9	6.1	4.4	3.1	1.7	1.3	1.3	0.9	1.3
60°	12.7	9.6	6.6	4.8	3.5	2.2	1.3	0.4	0.4	0.4	0.4
62.5°	10.9	8.3	5.7	3.9	2.6	1.3	0.4	0.0	0.0	0.0	0.0
65°	9.2	6.6	4.4	3.1	1.7	0.4	0.0	0.0	0.0	0.0	0.0
67.5°	7.9	5.7	3.5	2.2	1.3	0.0	0.0	0.0	0.0	0.0	0.0
70°	7.0	4.8	2.6	1.7	0.4	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	5.7	3.9	2.2	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	4.8	3.1	1.3	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	3.9	2.2	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	3.1	1.7	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	2.6	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	1.7	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	1.3	0.4	0.0	0.0	0.0	0.0	0.0	0.0	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: P674181
 CATALOG NUMBER: CCP-SA-1A-835-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	358°	360°
0°	615.0	615.0	615.0	615.0	615.0	615.0	615.0	615.0	615.0	615.0
2.5°	554.7	552.1	565.2	586.6	597.5	618.9	624.1	637.7	634.2	639.0
5°	459.0	464.3	483.5	515.0	526.3	557.3	586.6	615.8	634.6	643.8
7.5°	340.7	358.2	381.7	410.6	439.8	480.4	530.2	564.3	582.7	602.3
10°	253.8	272.5	299.6	328.0	375.6	421.0	470.8	513.2	528.9	547.3
12.5°	199.6	228.9	260.3	290.9	319.3	362.5	424.1	485.7	502.7	516.7
15°	138.9	174.7	219.7	259.4	299.2	336.7	400.5	475.2	498.4	521.9
17.5°	76.9	105.3	156.8	212.7	271.2	328.9	408.4	494.4	529.4	546.0
20°	44.6	55.9	92.6	159.0	236.3	311.9	412.3	530.7	577.0	585.3
22.5°	36.7	40.6	52.4	99.6	193.5	300.9	432.4	581.3	628.5	648.2
25°	31.4	34.5	40.6	59.8	146.3	277.8	445.1	644.7	688.3	709.8
27.5°	28.0	31.0	35.8	44.1	99.6	245.9	466.0	701.9	745.6	774.8
30°	24.5	27.1	31.9	37.6	69.0	210.1	483.9	743.8	805.4	814.6
32.5°	21.8	24.0	27.5	32.3	51.1	159.4	498.4	787.1	839.0	859.1
35°	18.8	21.4	23.6	27.5	38.9	120.1	489.6	820.7	888.4	912.4
37.5°	16.6	18.3	20.5	23.1	32.8	93.9	471.7	860.9	930.8	953.0
40°	14.0	15.3	17.9	20.5	29.7	72.5	451.2	909.4	990.2	1029.5
42.5°	11.8	13.1	14.9	19.2	24.5	53.7	409.7	946.9	1038.2	1071.4
45°	9.2	10.9	13.5	19.2	19.7	39.7	366.9	974.9	1065.3	1081.9
47.5°	7.0	8.7	13.1	16.6	15.7	27.5	316.2	1006.8	1093.2	1108.5
50°	5.2	7.0	14.9	14.4	13.1	21.0	284.3	1029.0	1095.0	1103.3
52.5°	3.5	5.2	12.2	10.9	10.9	18.3	275.6	1028.2	1099.3	1081.4
55°	2.6	3.9	7.0	7.9	9.6	16.2	267.7	1060.9	1100.7	1113.3
57.5°	1.7	3.1	4.8	6.1	8.3	14.0	251.6	1100.2	1141.3	1147.8
60°	0.9	2.2	3.5	4.8	7.0	12.2	228.9	1129.0	1190.6	1197.6
62.5°	0.4	1.3	2.6	3.9	5.7	9.6	205.3	1083.2	1169.2	1181.5
65°	0.0	0.9	1.7	2.6	3.5	7.0	166.8	977.9	1084.5	1129.5
67.5°	0.0	0.0	0.9	1.7	2.2	5.2	125.8	889.7	1006.3	1067.5
70°	0.0	0.0	0.4	0.4	1.3	3.9	80.4	736.8	898.4	932.1
72.5°	0.0	0.0	0.0	0.0	0.4	2.6	46.7	547.3	704.1	766.5
75°	0.0	0.0	0.0	0.0	0.0	2.2	23.6	352.0	490.1	573.9
77.5°	0.0	0.0	0.0	0.0	0.0	1.7	12.7	227.1	361.2	431.5
80°	0.0	0.0	0.0	0.0	0.0	0.4	7.4	131.9	231.1	280.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	3.1	64.6	138.0	161.6
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.9	34.5	69.0	90.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	4.8	9.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)