

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: P677692

Luminaire Tested: **CCW-SA-1-AMB-U-SL2**

Issue Date: 04/26/2023

Test Information

Test Method: LM-79-08
Report Number: P677692
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/26/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-1-AMB-U-SL2
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @500mA w/
SL2 distribution lens
Light Source: (16) 1620 CCT, 0 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

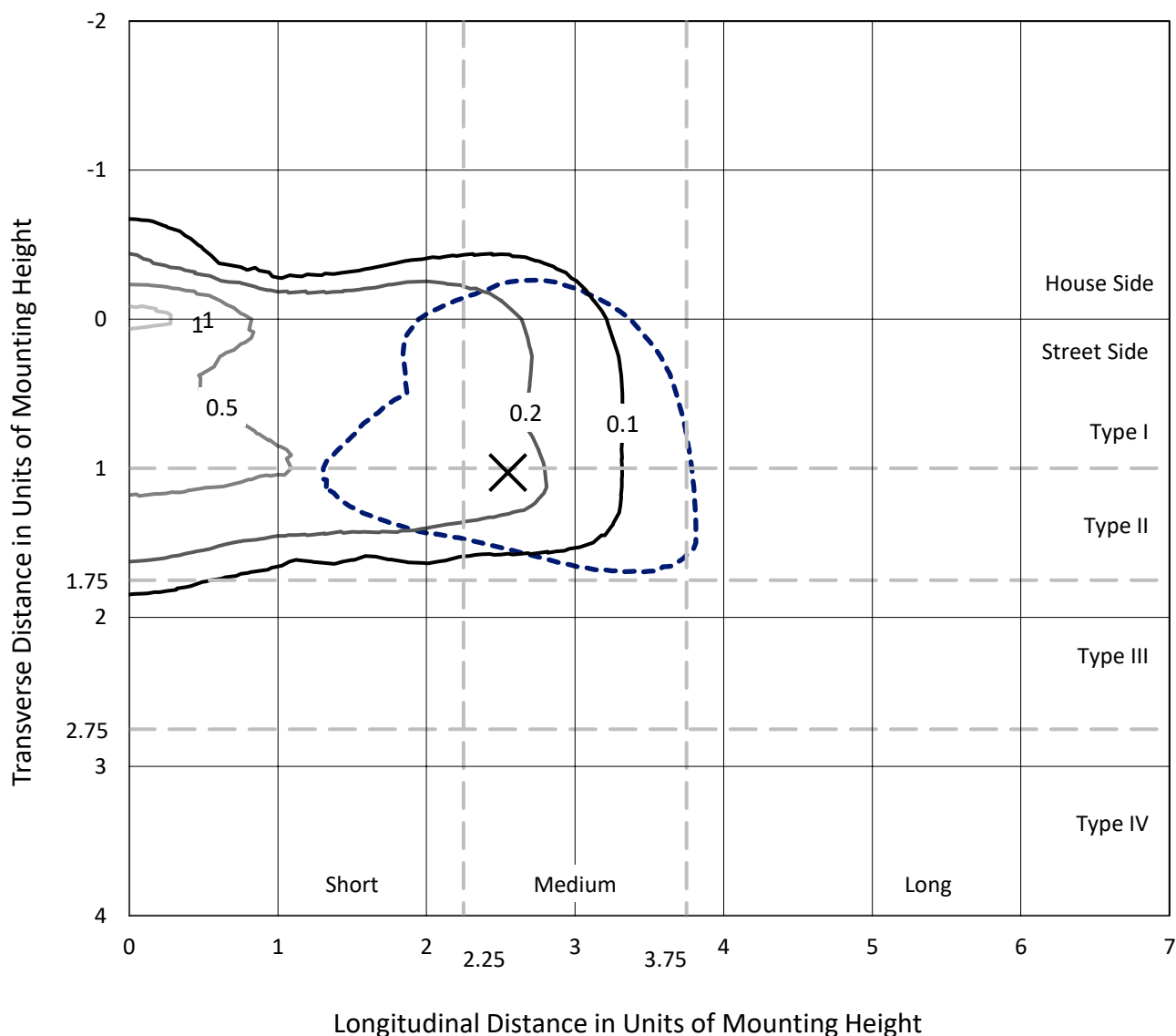
Lumens per Lamp: N/A
Luminaire Lumens: 1200.6 lumens
Efficiency: N/A
Efficacy: 53.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B0 - U0 - G1

Input Watts (W): 22.6
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: P677692
 CATALOG NUMBER: CCW-SA-1-AMB-U-SL2

Iso-Footcandle Lines of Horizontal Illumination

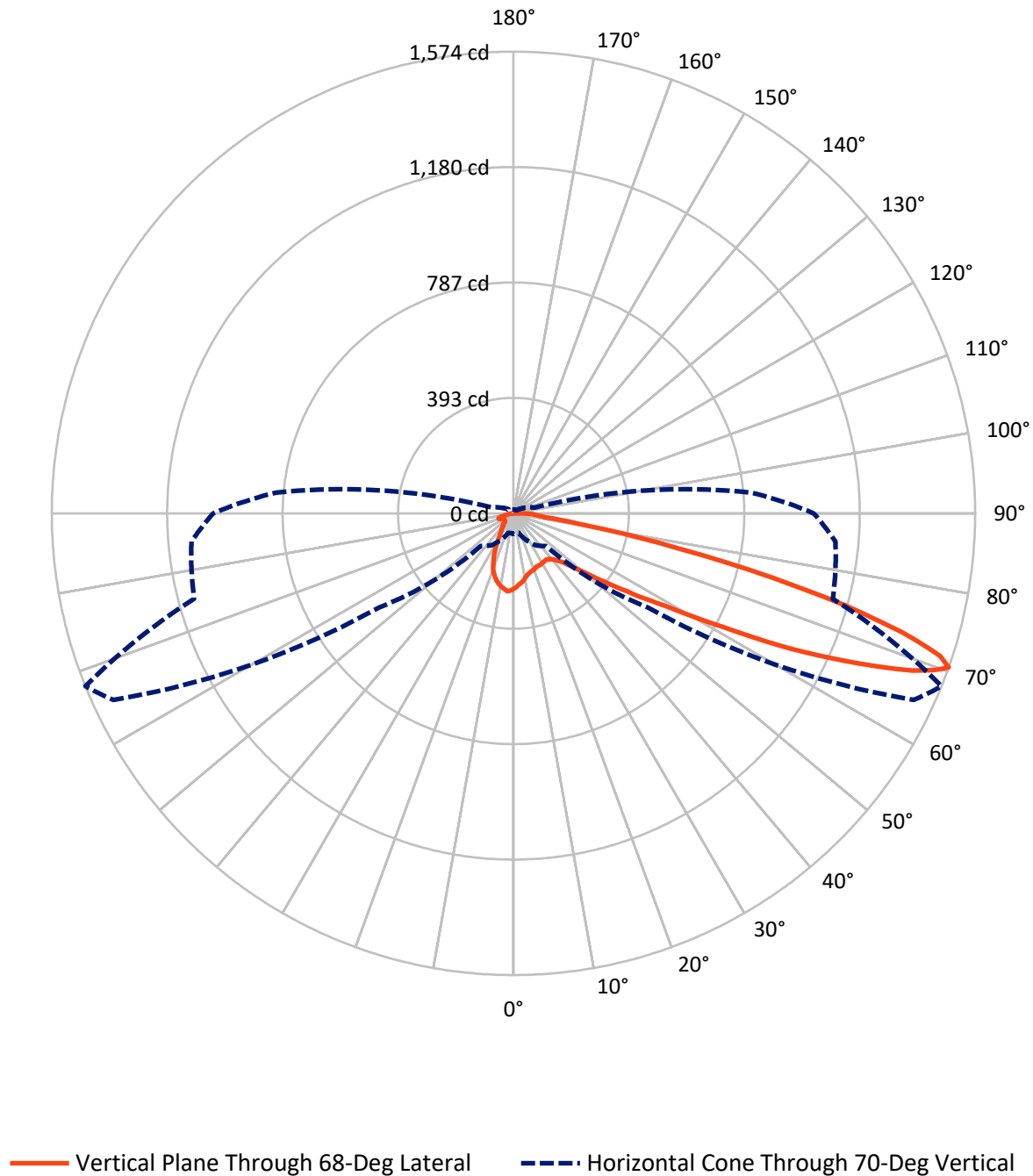
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 1.1 fc
 Type II - Medium - N/A

REPORT NUMBER: P677692
CATALOG NUMBER: CCW-SA-1-AMB-U-SL2

Luminous Intensity Polar Plot



REPORT NUMBER: P677692

CATALOG NUMBER: CCW-SA-1-AMB-U-SL2

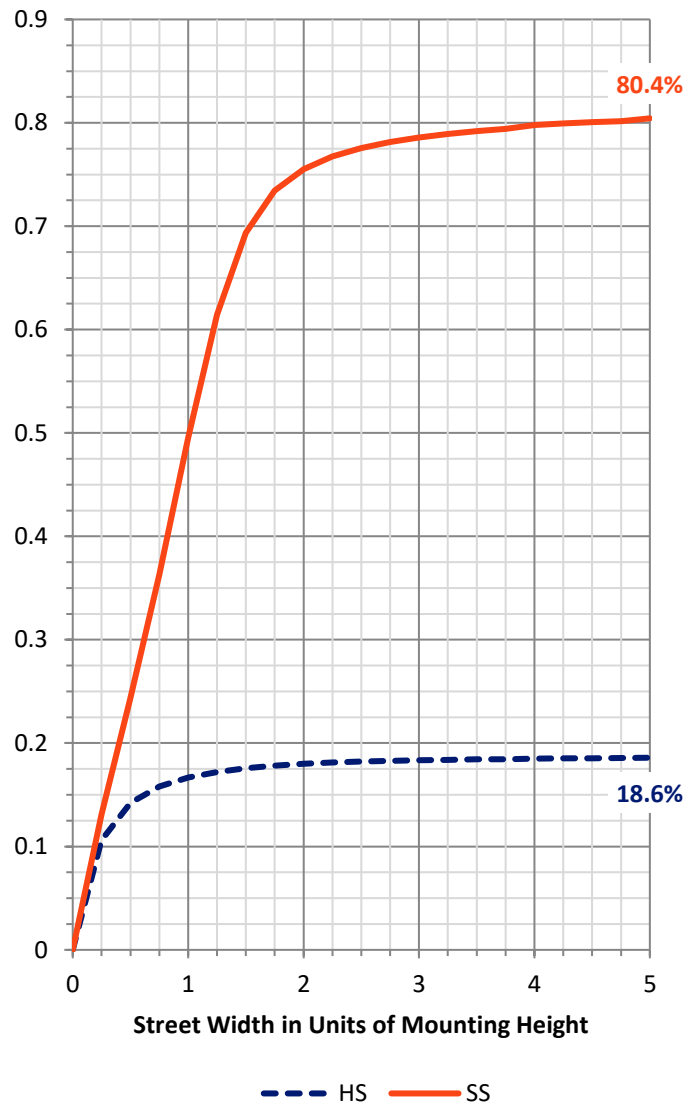
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	225.7	0.0	225.7
	% Fixture	18.8	0.0	18.8
Street Side	Lumens	974.9	0.0	974.9
	% Fixture	81.2	0.0	81.2
Total	Lumens	1200.6	0.0	1200.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	22.2	1.9
10°-20°	51.4	4.3
20°-30°	68.7	5.7
30°-40°	94.6	7.9
40°-50°	148.5	12.4
50°-60°	244.3	20.3
60°-70°	328.5	27.4
70°-80°	212.0	17.7
80°-90°	30.5	2.5
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°	1200.6	100.0
0°-180°	1200.6	100.0

Coefficient of Utilization



REPORT NUMBER: P677692

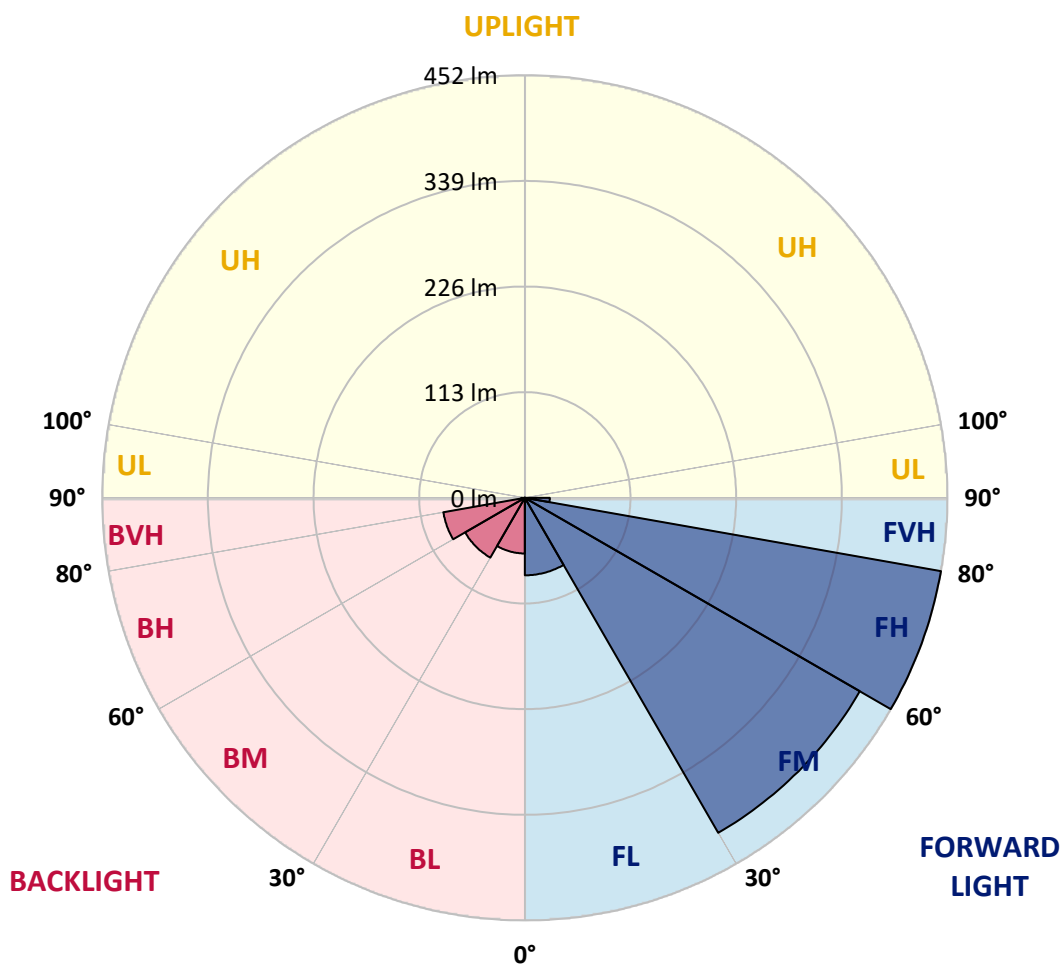
CATALOG NUMBER: CCW-SA-1-AMB-U-SL2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	82.8	6.9			
FM	(30°-60°)	413.6	34.4			
FH	(60°-80°)	451.8	37.6			G0/660
FVH	(80°-90°)	26.7	2.2			G1/100
BL	(0°-30°)	59.5	5.0	B0/110		
BM	(30°-60°)	73.8	6.1	B0/220		
BH	(60°-80°)	88.6	7.4	B0/110		G0/110
BVH	(80°-90°)	3.8	0.3			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 II Medium





REPORT NUMBER: P677692

CATALOG NUMBER: CCW-SA-1-AMB-U-SL2

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	68°	75°	85°
0°	257.2	257.2	257.2	257.2	257.2	257.2	257.2	257.2	257.2	257.2	257.2
2.5°	236.5	237.2	237.8	239.2	240.5	240.5	245.8	246.5	248.5	251.2	255.2
5°	214.4	212.4	218.4	218.4	223.1	228.5	233.1	239.8	240.5	246.5	252.5
7.5°	197.1	199.1	200.4	201.7	205.1	211.8	219.8	227.8	233.8	241.2	251.8
10°	185.0	183.7	185.0	187.7	192.4	197.7	205.1	218.4	222.5	235.1	249.2
12.5°	171.0	175.0	175.7	179.0	183.0	189.7	199.1	210.4	214.4	231.1	250.5
15°	166.3	168.3	169.0	171.7	174.4	183.7	193.7	203.7	209.1	225.8	252.5
17.5°	165.7	165.0	166.3	166.3	171.7	175.7	185.7	199.7	205.8	225.1	257.2
20°	165.0	166.3	165.0	165.7	167.0	172.4	182.4	199.1	203.1	219.1	255.2
22.5°	173.0	171.7	171.7	167.7	167.0	169.0	179.7	194.4	198.4	216.4	258.5
25°	181.7	180.4	179.7	173.7	167.7	168.3	177.0	194.4	197.7	215.1	257.2
27.5°	195.7	194.4	191.7	185.0	177.0	169.7	175.0	191.7	197.7	213.8	257.9
30°	210.4	211.1	208.4	202.4	189.1	176.4	177.0	190.4	195.7	211.1	257.2
32.5°	233.1	231.8	230.5	223.8	206.4	186.4	181.7	189.1	194.4	209.1	259.9
35°	255.2	253.9	257.2	251.2	229.1	201.7	187.7	192.4	193.1	207.1	258.5
37.5°	272.6	275.2	280.6	280.6	260.5	225.8	201.1	195.7	197.7	208.4	259.2
40°	299.3	296.6	306.6	312.0	295.3	255.2	219.8	207.8	206.4	214.4	263.9
42.5°	322.0	321.3	334.0	342.7	334.7	289.9	246.5	223.1	219.8	225.1	275.2
45°	358.1	357.4	369.4	382.8	375.4	330.7	278.6	247.2	239.2	247.8	293.9
47.5°	392.1	397.5	401.5	425.5	425.5	380.8	318.0	283.9	273.9	275.2	324.0
50°	418.9	422.9	430.2	449.6	486.3	452.9	373.4	334.0	320.0	320.7	368.1
52.5°	446.2	436.2	438.2	464.9	525.1	537.1	452.3	398.1	386.1	378.8	418.9
55°	408.8	406.8	400.1	435.6	530.4	618.6	572.5	489.7	469.6	447.6	490.3
56°	388.8	380.8	380.8	408.2	523.7	644.0	626.6	533.8	513.7	481.0	525.7
57°	354.7	350.0	344.0	382.1	499.7	671.4	678.7	576.5	553.1	515.7	564.5
58°	330.7	322.7	317.3	346.7	467.6	690.1	735.5	631.3	600.6	547.1	606.6
59°	286.6	284.6	279.9	310.6	428.2	681.4	819.0	709.4	662.0	585.2	656.7
60°	255.9	250.5	245.8	274.6	389.5	659.3	885.8	795.6	738.2	632.6	704.1
61°	220.4	216.4	210.4	236.5	345.4	625.3	955.3	888.5	812.3	681.4	757.5
62°	191.1	188.4	183.0	205.8	289.9	585.9	992.0	980.7	907.9	734.8	805.6
63°	167.0	167.0	163.0	179.7	238.5	539.8	1016.1	1077.5	1005.4	789.6	865.8
64°	149.0	145.0	147.6	161.7	198.4	479.0	1009.4	1169.1	1099.6	846.4	917.9
65°	130.3	127.6	128.3	149.0	173.0	412.8	977.3	1280.6	1189.1	897.8	952.6
66°	116.2	112.9	114.9	139.6	158.3	318.6	936.6	1388.2	1282.6	948.6	990.0
67°	100.9	98.9	101.5	130.3	147.6	243.8	876.5	1471.0	1374.1	996.0	1029.4
67.5°	92.9	92.2	93.5	123.6	144.3	219.8	844.4	1488.4	1419.6	1026.1	1049.5
68°	88.8	87.5	87.5	120.2	142.3	197.7	795.6	1533.8	1462.3	1046.1	1056.8
69°	78.8	77.5	76.8	109.6	136.9	171.7	688.7	1543.8	1527.8	1091.6	1075.5
70°	70.1	68.1	68.8	98.9	132.9	157.0	559.1	1505.1	1573.9	1127.0	1101.6
71°	60.1	60.1	62.1	88.8	128.3	149.6	435.6	1445.6	1534.5	1138.3	1088.9
72°	52.1	50.8	53.4	79.5	125.6	146.3	318.6	1354.1	1438.9	1126.3	1020.1
72.5°	47.4	46.8	50.8	74.2	125.6	145.0	265.2	1302.7	1383.5	1091.6	992.0
73°	44.1	43.4	46.8	70.1	124.3	145.0	234.5	1242.5	1309.3	1086.9	955.3
74°	38.1	37.4	39.4	61.5	121.6	142.3	188.4	1096.9	1173.1	998.7	849.7
75°	33.4	32.7	33.4	52.1	112.9	141.0	164.3	915.2	998.0	882.5	722.8



REPORT NUMBER: P677692
 CATALOG NUMBER: CCW-SA-1-AMB-U-SL2

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	68°	75°	85°
77.5°	25.4	25.4	25.4	32.7	89.5	139.6	141.6	519.1	572.5	480.3	344.0
80°	20.0	20.0	20.7	23.4	52.1	141.0	134.9	247.2	247.8	140.3	90.9
82.5°	12.0	12.7	15.4	18.0	30.1	130.9	134.3	129.6	109.6	54.1	40.7
85°	6.7	6.7	10.0	13.4	20.0	100.9	136.3	102.9	76.8	33.4	21.4
87.5°	2.7	2.7	4.7	6.7	11.4	55.4	122.9	84.8	59.5	17.4	10.0
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: P677692

CATALOG NUMBER: CCW-SA-1-AMB-U-SL2

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	257.2	257.2	257.2	257.2	257.2	257.2	257.2	257.2	257.2	257.2	257.2
2.5°	256.5	257.2	261.2	263.2	265.2	265.9	262.5	261.9	262.5	263.2	259.9
5°	256.5	258.5	265.2	266.5	261.2	255.9	250.5	245.2	245.8	243.8	239.2
7.5°	255.2	263.9	265.2	257.2	249.8	239.8	231.1	225.1	217.1	212.4	212.4
10°	258.5	266.5	261.2	249.8	238.5	221.8	206.4	191.7	179.7	174.4	177.7
12.5°	264.5	265.9	257.2	239.2	217.8	195.7	169.7	149.6	138.3	128.9	128.9
15°	265.2	270.6	252.5	226.5	196.4	163.0	132.9	109.6	94.2	90.2	90.9
17.5°	266.5	268.5	245.8	211.1	172.4	127.6	95.5	79.5	75.5	74.2	74.8
20°	268.5	263.9	235.1	193.7	139.6	90.9	68.1	62.8	63.5	66.1	66.1
22.5°	269.2	259.2	222.5	166.3	104.9	63.5	56.1	54.8	57.5	60.1	61.5
25°	268.5	253.9	206.4	139.0	70.1	52.1	49.4	49.4	52.1	54.8	55.4
27.5°	260.5	241.2	190.4	112.2	52.1	46.1	45.4	46.1	48.1	50.1	50.1
30°	259.2	237.2	171.7	82.8	46.1	43.4	42.8	43.4	44.1	45.4	44.8
32.5°	251.8	228.5	155.7	57.5	42.1	40.7	40.7	40.7	40.7	41.4	40.7
35°	246.5	221.8	137.6	46.1	40.1	39.4	38.7	38.1	37.4	37.4	36.7
37.5°	241.8	211.1	119.6	42.1	38.1	37.4	36.7	36.1	34.7	34.7	34.7
40°	241.2	207.1	99.5	39.4	36.1	35.4	34.7	32.7	32.1	32.7	32.1
42.5°	246.5	206.4	80.8	38.1	35.4	33.4	32.1	30.7	31.4	31.4	31.4
45°	260.5	210.4	62.1	36.7	34.1	32.1	30.7	30.1	29.4	29.4	29.4
47.5°	284.6	225.1	53.4	34.7	32.1	30.7	28.7	28.1	28.1	28.1	27.4
50°	313.3	239.2	51.4	34.7	31.4	30.1	28.1	26.7	26.1	26.1	26.1
52.5°	354.7	259.9	51.4	33.4	30.7	28.7	26.7	24.7	24.7	24.0	24.0
55°	414.2	297.9	52.1	32.7	28.7	27.4	25.4	23.4	22.7	22.7	22.7
56°	446.2	322.0	52.8	32.1	28.1	26.7	24.0	22.7	22.0	21.4	21.4
57°	483.7	348.0	51.4	32.1	28.1	26.1	23.4	22.0	21.4	20.7	21.4
58°	525.7	380.8	51.4	31.4	27.4	24.7	22.7	21.4	20.7	20.7	20.7
59°	565.2	414.8	51.4	30.7	26.7	24.0	22.0	20.7	20.0	19.4	20.0
60°	616.6	464.9	51.4	30.7	26.1	23.4	21.4	20.0	19.4	19.4	19.4
61°	672.7	515.1	52.8	30.7	26.1	22.7	20.7	19.4	18.7	18.7	18.7
62°	730.2	567.8	56.1	30.7	26.1	22.0	20.0	18.7	18.0	18.0	18.0
63°	786.3	619.3	57.5	30.7	25.4	21.4	19.4	18.0	17.4	17.4	17.4
64°	828.4	658.7	56.8	31.4	24.7	20.0	18.7	17.4	17.4	16.7	16.7
65°	872.4	689.4	61.5	32.1	24.7	19.4	18.0	17.4	16.0	16.7	16.0
66°	901.8	728.2	68.8	33.4	24.0	19.4	17.4	16.0	16.0	16.0	15.4
67°	936.6	772.9	74.8	35.4	24.0	18.0	16.0	16.0	15.4	15.4	15.4
67.5°	968.0	780.9	78.8	36.7	24.7	18.0	16.0	15.4	15.4	14.7	14.7
68°	970.0	809.0	77.5	37.4	24.0	17.4	15.4	14.7	14.7	14.7	14.7
69°	1008.1	820.3	78.2	40.7	24.7	16.7	15.4	14.7	14.0	14.0	14.0
70°	1023.4	812.3	74.8	44.1	25.4	16.0	14.7	13.4	13.4	13.4	13.4
71°	988.0	762.2	72.8	46.1	26.7	15.4	14.0	13.4	12.7	12.7	12.7
72°	927.2	698.8	70.1	46.1	27.4	14.7	12.7	12.7	12.0	12.0	12.0
72.5°	870.4	661.3	68.1	46.1	27.4	14.7	12.7	12.0	12.0	12.0	12.0
73°	825.0	617.9	66.1	45.4	27.4	14.0	12.0	12.0	11.4	11.4	12.0
74°	714.1	529.7	62.1	42.8	26.1	13.4	12.0	11.4	10.7	11.4	10.7
75°	605.2	430.2	56.8	38.7	24.7	12.7	11.4	10.7	10.7	10.0	10.7



REPORT NUMBER: P677692
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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
77.5°	251.8	171.7	39.4	28.1	18.0	10.7	9.4	8.7	8.7	8.7	8.7
80°	75.5	56.8	22.0	18.0	11.4	8.7	8.0	7.3	7.3	7.3	7.3
82.5°	38.1	32.1	12.7	10.0	7.3	6.0	6.0	6.0	5.3	5.3	5.3
85°	20.7	16.7	8.0	6.0	4.7	4.0	4.0	3.3	3.3	3.3	3.3
87.5°	10.0	8.7	5.3	3.3	2.7	2.0	2.0	2.0	1.3	1.3	1.3
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)