

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: P678556

Luminaire Tested: **CCW-SA-1-AMB-U-T4W**

Issue Date: 04/26/2023

Test Information

Test Method: LM-79-08
Report Number: P678556
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-T4W
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @500mA w/
T4FT distribution lens
Light Source: (16) 1620 CCT, 0 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1205.1 lumens
Efficiency: N/A
Efficacy: 53.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Short
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

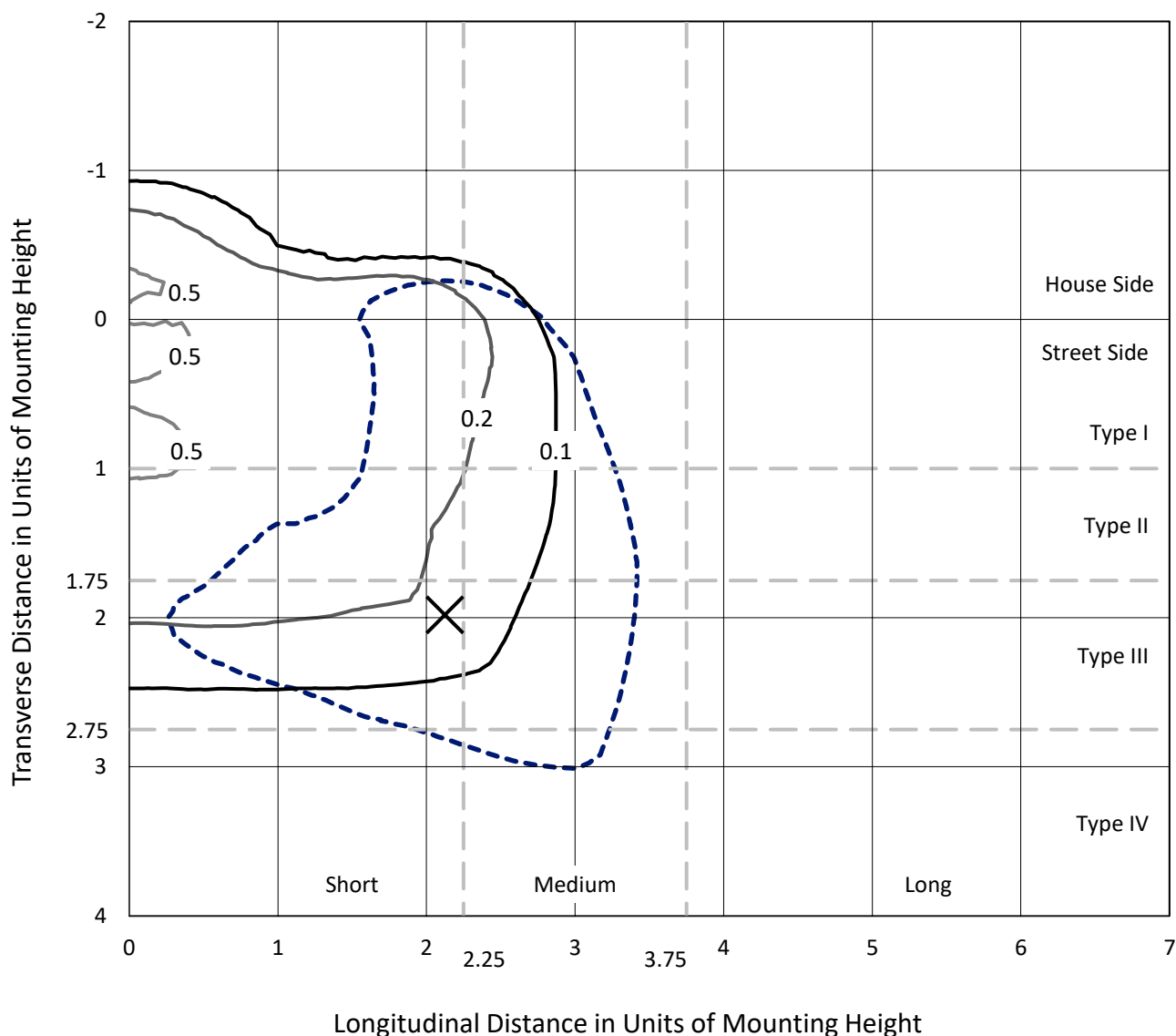
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

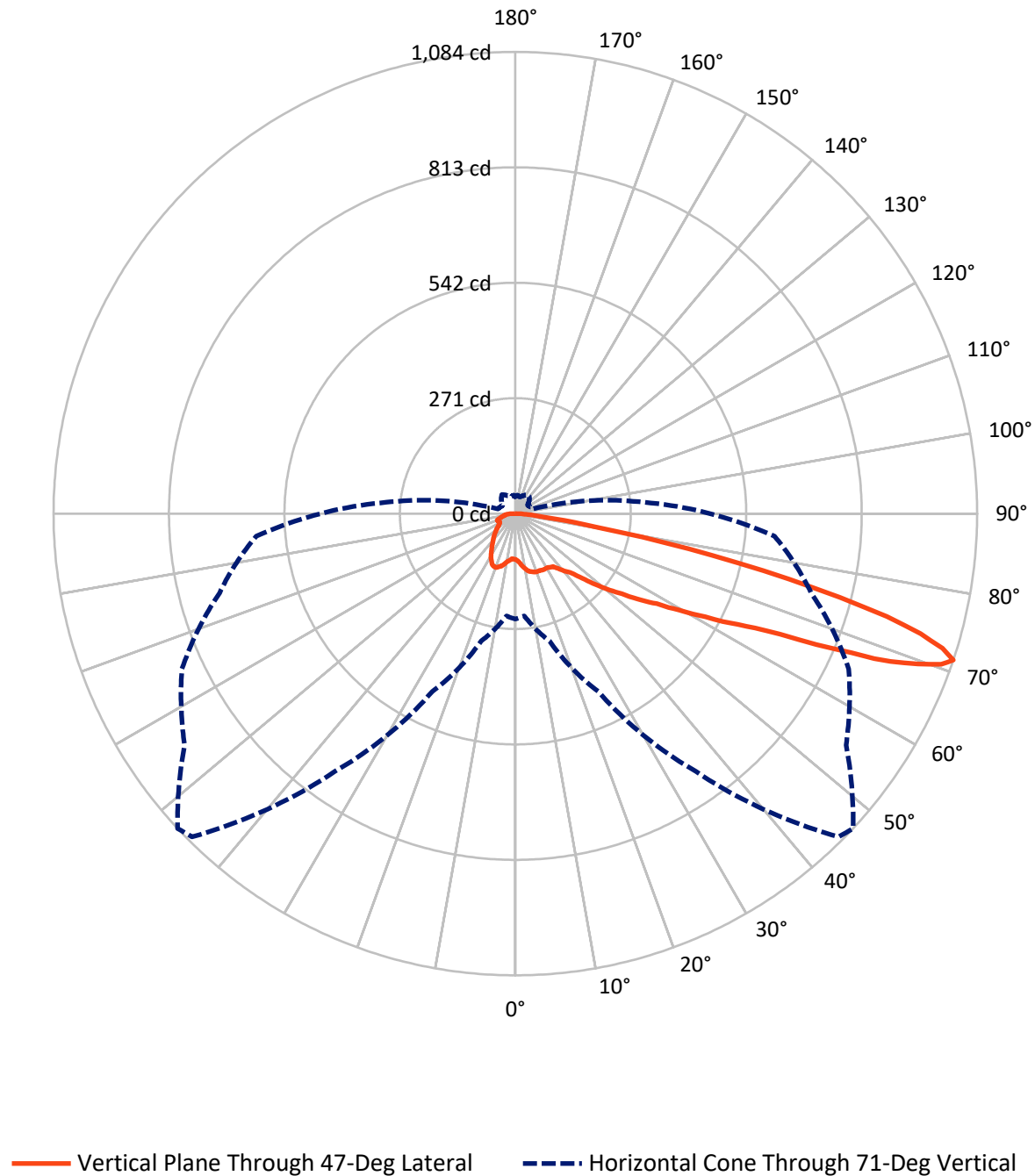


Based on 15 foot mounting height. Maximum calculated value = 0.6 fc

Type III - Short - N/A

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Luminous Intensity Polar Plot



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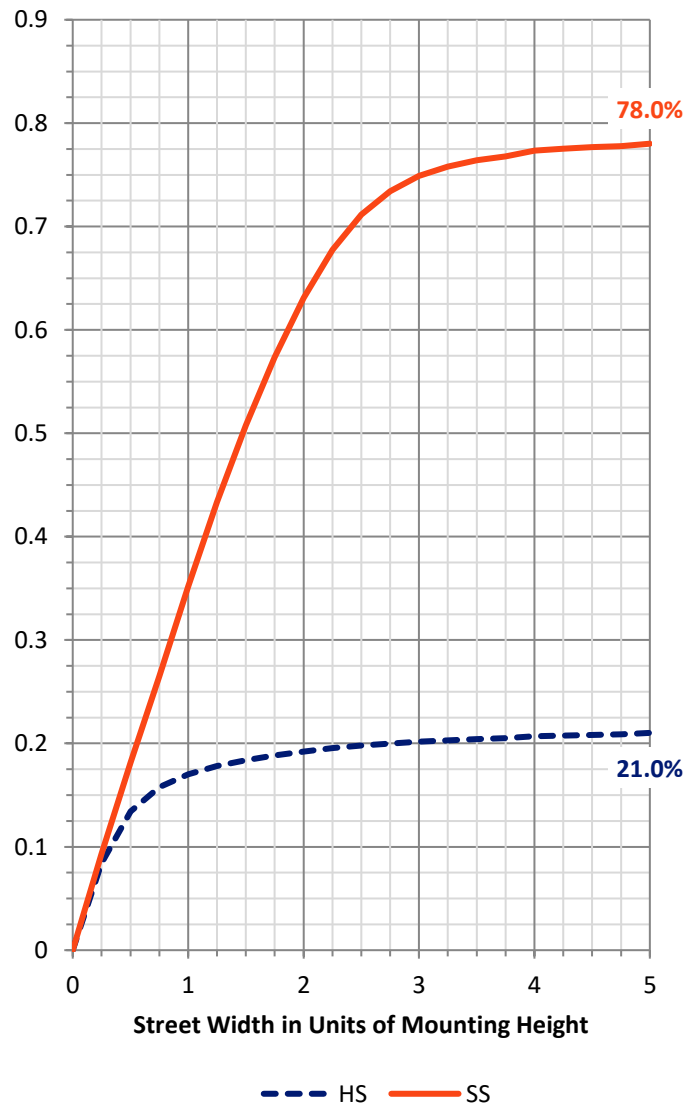
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	260.7	0.0	260.7
	% Fixture	21.6	0.0	21.6
Street Side	Lumens	944.4	0.0	944.4
	% Fixture	78.4	0.0	78.4
Total	Lumens	1205.1	0.0	1205.1
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	11.2	0.9
10°-20°	37.9	3.1
20°-30°	63.3	5.3
30°-40°	91.5	7.6
40°-50°	134.9	11.2
50°-60°	225.2	18.7
60°-70°	388.6	32.2
70°-80°	225.9	18.7
80°-90°	26.6	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°	1205.1	100.0
0°-180°	1205.1	100.0



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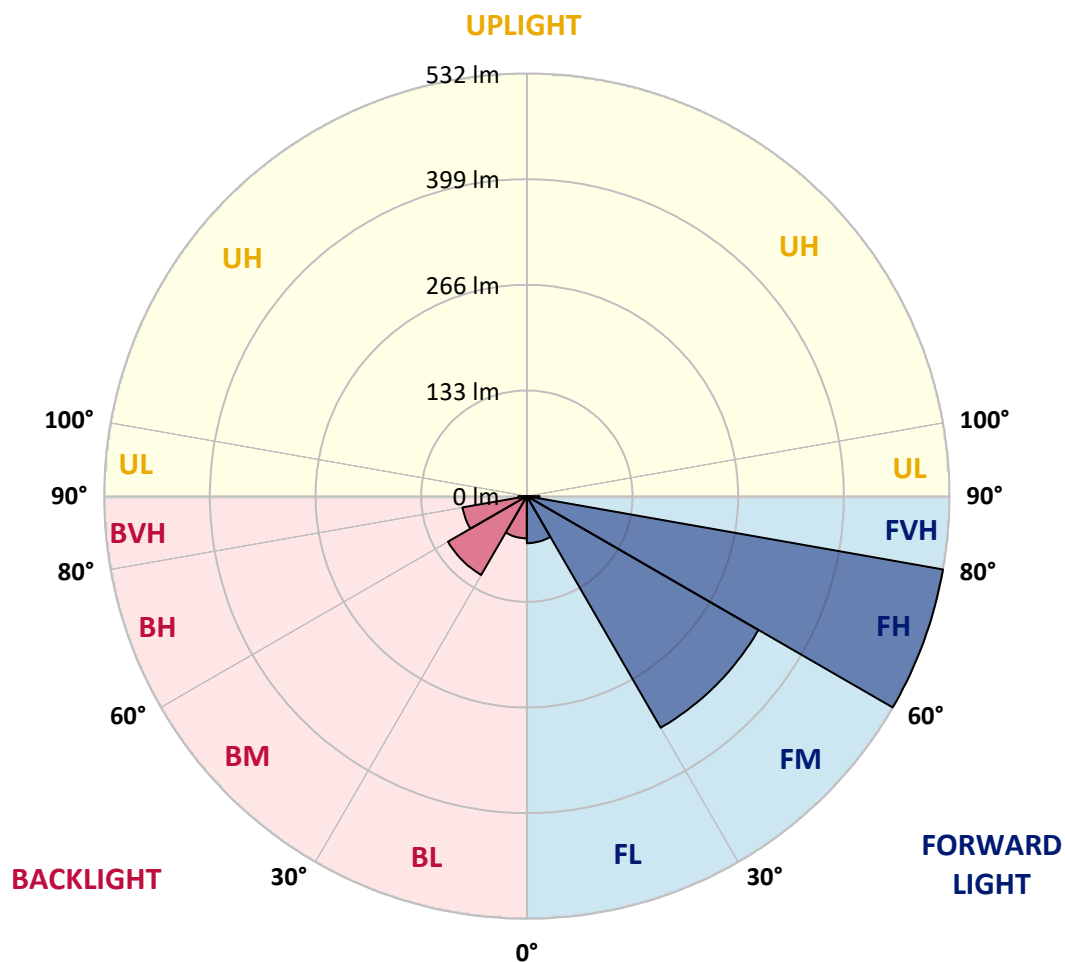
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	59.2	4.9			
FM	(30°-60°)	336.9	28.0			
FH	(60°-80°)	532.3	44.2			G0/660
FVH	(80°-90°)	16.0	1.3			G1/100
BL	(0°-30°)	53.2	4.4	B0/110		
BM	(30°-60°)	114.7	9.5	B0/220		
BH	(60°-80°)	82.3	6.8	B0/110		G0/110
BVH	(80°-90°)	10.6	0.9			G1/100
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 Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	107.6	107.6	107.6	107.6	107.6	107.6	107.6	107.6	107.6	107.6	107.6
2.5°	115.6	114.2	114.9	113.6	112.2	111.6	110.9	110.2	109.6	109.6	107.6
5°	126.3	125.6	126.3	122.2	121.6	118.2	117.6	114.9	113.6	109.6	108.2
7.5°	136.3	136.3	136.9	134.3	129.6	125.6	125.6	122.2	118.2	115.6	112.2
10°	148.3	145.6	145.0	140.3	136.3	132.3	132.3	130.3	125.6	120.2	116.2
12.5°	153.6	151.0	148.3	145.0	142.3	138.9	138.9	134.9	131.6	127.6	122.2
15°	153.0	153.6	151.6	146.3	144.3	142.3	141.6	141.0	136.3	131.6	126.3
17.5°	151.6	151.0	149.6	146.3	145.6	144.3	144.3	143.6	143.0	138.3	131.6
20°	145.0	144.3	145.6	142.3	143.6	144.3	145.6	146.3	145.0	141.6	134.3
22.5°	141.0	140.3	142.3	139.6	142.3	145.0	145.0	148.3	146.3	143.6	138.3
25°	139.6	142.3	141.0	140.3	141.0	146.3	147.0	148.3	148.3	144.3	138.3
27.5°	144.3	143.6	143.6	140.3	143.0	147.6	147.6	149.0	147.0	144.3	139.6
30°	163.7	160.3	155.0	145.6	145.0	147.0	147.0	149.0	149.0	147.0	145.0
32.5°	199.1	193.7	181.0	163.0	151.6	151.0	150.3	153.6	156.3	156.3	153.6
35°	238.5	235.8	219.8	188.4	162.3	155.0	153.0	157.0	164.3	163.0	156.3
37.5°	273.9	273.2	253.8	221.1	185.0	164.3	163.7	165.0	173.0	167.0	157.0
40°	306.0	301.9	286.6	247.8	206.4	183.0	177.0	174.4	177.0	171.7	165.0
42.5°	332.0	324.7	315.3	280.6	231.8	195.1	188.4	177.7	186.4	183.0	176.4
45°	346.0	342.7	340.7	309.3	263.9	222.4	211.8	193.1	201.7	199.7	192.4
47.5°	350.7	352.0	363.4	339.4	295.3	251.2	244.5	215.1	220.4	222.4	215.8
50°	364.1	366.1	376.8	371.4	335.3	291.3	277.9	237.1	251.2	257.2	249.2
52.5°	401.5	403.5	400.1	408.2	386.1	330.0	313.3	271.9	291.3	308.0	297.9
55°	434.2	430.2	428.2	444.2	442.9	373.4	357.4	316.0	354.7	377.4	370.7
56°	438.2	440.9	445.6	461.6	462.9	395.5	376.8	342.0	380.1	404.8	409.5
57°	452.2	448.9	459.6	478.3	487.7	416.8	393.5	360.7	408.2	438.9	459.6
58°	468.9	460.9	471.0	493.0	519.7	438.2	422.2	392.8	446.9	473.6	508.4
59°	481.0	473.0	485.6	522.4	542.4	464.3	445.6	420.8	475.6	511.7	570.5
60°	484.3	490.3	503.0	539.8	555.1	491.7	478.3	454.3	516.4	553.1	626.6
61°	506.4	503.0	521.1	558.5	573.8	522.4	507.7	495.0	551.1	595.2	692.7
62°	519.7	520.4	545.8	583.2	601.2	565.8	549.1	538.4	592.5	639.3	765.5
63°	525.1	528.4	567.1	609.9	627.9	599.9	583.2	577.8	639.3	682.7	818.3
64°	527.7	527.7	583.8	638.0	665.3	636.0	623.9	616.6	694.7	723.5	859.1
65°	518.4	519.0	589.9	662.0	708.1	706.8	683.4	670.7	727.5	756.9	886.5
66°	494.3	493.7	576.5	666.7	761.5	760.2	770.9	738.2	784.9	786.9	890.5
67°	467.6	470.3	553.1	666.7	795.6	863.1	854.4	799.6	834.4	809.6	881.1
67.5°	449.6	451.6	534.4	656.7	809.0	907.2	908.5	825.0	844.4	811.6	853.7
68°	428.2	430.9	511.0	649.3	816.3	956.6	946.6	857.7	861.7	819.0	833.0
69°	371.4	371.4	441.6	605.9	809.6	1024.1	1008.7	909.2	881.8	798.9	778.2
70°	308.0	313.3	378.1	538.4	803.6	1052.1	1060.1	947.2	878.4	772.9	699.4
71°	247.8	241.2	309.3	460.9	739.5	1073.5	1084.2	947.9	863.7	718.8	610.6
72°	186.4	184.4	242.5	384.8	675.4	1038.1	1051.5	926.5	821.0	654.0	499.0
72.5°	155.0	157.0	199.1	344.0	613.9	1009.4	1018.7	902.5	786.9	607.9	442.2
73°	137.6	132.9	174.4	299.9	573.8	972.6	992.0	864.4	740.8	565.1	383.4
74°	87.5	91.5	124.3	222.4	475.0	873.8	905.2	783.6	660.7	477.0	277.9
75°	70.1	70.8	89.5	160.3	364.1	781.6	786.9	679.4	554.5	368.7	200.4



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 CATALOG NUMBER: CCW-SA-1-AMB-U-T4W

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
77.5°	34.1	34.1	42.1	74.1	175.7	442.2	471.6	396.8	299.3	175.0	81.5
80°	22.0	22.0	28.7	38.7	82.8	172.3	190.4	171.7	126.9	74.1	39.4
82.5°	11.4	12.0	18.7	25.4	49.4	62.1	67.5	71.5	60.1	46.1	24.0
85°	6.0	6.7	10.7	15.4	28.7	30.1	29.4	37.4	40.1	30.7	12.0
87.5°	2.7	2.7	4.7	6.7	12.0	9.4	9.4	13.4	22.0	19.4	6.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	107.6	107.6	107.6	107.6	107.6	107.6	107.6	107.6	107.6	107.6	107.6
2.5°	106.9	106.9	106.2	106.9	106.9	106.9	106.9	107.6	107.6	106.9	107.6
5°	106.9	107.6	106.9	106.2	106.9	106.2	108.9	110.2	111.6	111.6	111.6
7.5°	110.9	110.2	108.9	108.9	110.2	110.9	112.2	112.9	116.9	116.2	116.2
10°	114.2	112.9	111.6	112.9	113.6	114.2	116.9	117.6	122.2	122.2	122.2
12.5°	119.6	118.2	116.9	117.6	118.2	120.9	122.9	124.3	126.3	128.3	129.6
15°	122.9	122.9	120.2	122.2	122.9	127.6	128.3	130.3	131.6	132.3	131.6
17.5°	128.9	126.9	125.6	126.9	129.6	130.3	132.3	131.6	134.3	134.3	133.6
20°	133.6	130.9	128.9	130.9	134.3	134.3	134.9	134.3	132.9	132.3	134.9
22.5°	135.6	134.3	133.6	133.6	134.3	134.3	132.3	130.3	128.9	129.6	131.6
25°	137.6	137.6	136.9	134.9	132.9	130.9	126.3	126.9	125.6	125.6	125.6
27.5°	141.0	140.3	139.6	136.9	130.9	121.6	118.2	118.9	118.9	120.2	120.2
30°	145.6	146.3	145.0	134.9	123.6	114.9	107.6	108.9	112.2	114.2	117.6
32.5°	151.6	152.3	147.0	133.6	116.2	103.5	98.2	100.2	102.2	104.2	107.6
35°	156.3	157.0	150.3	130.9	107.6	94.9	90.9	88.8	89.5	91.5	94.2
37.5°	161.7	167.0	155.0	124.3	98.2	87.5	81.5	78.2	78.2	77.5	80.2
40°	171.7	177.7	160.3	114.9	88.8	80.2	73.5	69.5	68.8	66.8	66.1
42.5°	183.7	191.1	161.0	104.9	81.5	74.8	68.1	64.1	60.8	56.8	56.8
45°	198.4	212.4	163.7	94.2	76.2	68.8	62.1	58.1	54.1	50.1	49.4
47.5°	224.5	238.5	163.0	78.8	67.5	62.8	57.4	53.4	48.8	46.1	46.1
50°	259.9	269.9	157.0	67.5	60.8	57.4	52.8	48.1	44.8	43.4	43.4
52.5°	335.3	314.6	145.6	58.8	53.4	53.4	49.4	46.1	42.8	42.1	42.1
55°	434.2	391.5	132.3	52.1	47.4	48.8	47.4	44.1	40.7	40.1	40.7
56°	477.0	426.9	126.9	49.4	45.4	47.4	47.4	43.4	40.1	39.4	40.1
57°	531.7	463.6	121.6	47.4	44.1	46.8	46.8	42.8	40.1	39.4	39.4
58°	589.9	509.0	114.9	46.8	42.1	45.4	46.1	42.8	39.4	39.4	38.7
59°	649.3	555.8	108.9	45.4	40.7	44.1	45.4	42.8	39.4	40.1	39.4
60°	710.1	597.2	101.5	44.1	40.1	43.4	45.4	42.8	40.1	41.4	41.4
61°	764.9	628.6	94.2	42.8	38.7	42.8	45.4	42.8	40.7	44.1	45.4
62°	818.3	657.3	87.5	42.1	38.1	42.1	45.4	43.4	42.8	48.8	48.8
63°	839.0	670.7	78.2	42.1	38.1	42.1	46.1	45.4	44.8	50.8	51.4
64°	855.7	668.0	69.5	41.4	38.1	42.1	47.4	47.4	45.4	50.1	50.8
65°	864.4	658.7	60.8	41.4	38.1	43.4	49.4	49.4	45.4	49.4	48.8
66°	837.0	629.9	54.8	41.4	37.4	44.8	51.4	49.4	44.1	48.1	46.8
67°	799.6	578.5	50.8	40.1	36.7	46.1	54.1	49.4	42.8	46.8	45.4
67.5°	771.6	559.1	49.4	40.1	36.7	46.1	55.4	48.8	42.1	46.8	44.8
68°	738.8	521.7	48.1	40.1	36.1	46.8	56.1	48.8	42.1	46.1	44.8
69°	652.7	453.6	46.1	39.4	35.4	48.1	56.1	48.8	42.1	46.1	44.1
70°	569.8	379.4	44.8	38.7	35.4	47.4	56.1	47.4	41.4	45.4	42.8
71°	457.6	303.9	42.8	38.1	34.7	46.8	54.8	46.8	40.7	43.4	39.4
72°	365.4	219.8	40.7	37.4	34.1	44.8	53.4	45.4	40.1	42.1	37.4
72.5°	318.0	189.7	39.4	36.7	32.7	44.1	53.4	45.4	39.4	41.4	36.7
73°	262.5	160.3	38.7	36.7	32.1	42.1	51.4	44.8	39.4	40.7	36.1
74°	192.4	115.6	37.4	35.4	30.7	40.1	49.4	43.4	38.1	38.7	35.4
75°	130.3	80.8	35.4	34.1	29.4	37.4	47.4	42.1	37.4	37.4	35.4



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
77.5°	59.5	44.1	31.4	30.7	25.4	33.4	44.8	39.4	34.7	34.1	33.4
80°	34.7	31.4	26.1	26.1	22.0	28.1	41.4	36.7	31.4	30.1	29.4
82.5°	22.7	19.4	20.7	20.7	18.0	26.1	40.1	36.1	29.4	28.7	26.7
85°	10.0	10.0	14.0	14.7	13.4	24.0	38.1	32.7	24.0	20.7	21.4
87.5°	4.7	6.7	8.7	8.7	8.7	17.4	26.7	24.0	18.0	14.7	14.0
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)