

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: P678844

Luminaire Tested: **CCW-SA-1-AMB-U-T2**

Issue Date: 04/26/2023



Test Information

Test Method: LM-79-08
Report Number: P678844
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-T2
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @500mA w/
T2 distribution lens
Light Source: (16) 1620 CCT, 0 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1163.1 lumens
Efficiency: N/A
Efficacy: 51.5 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

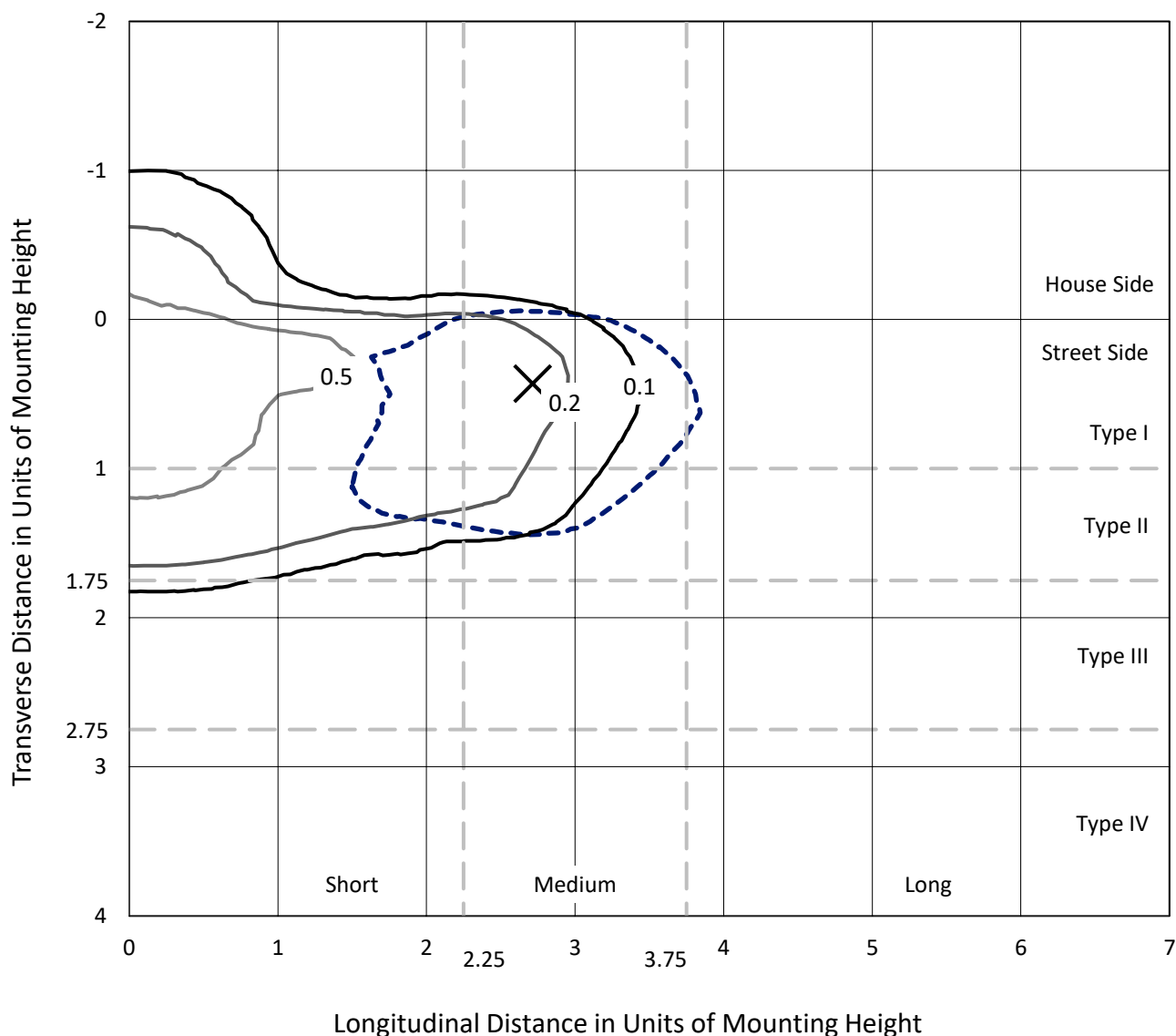
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

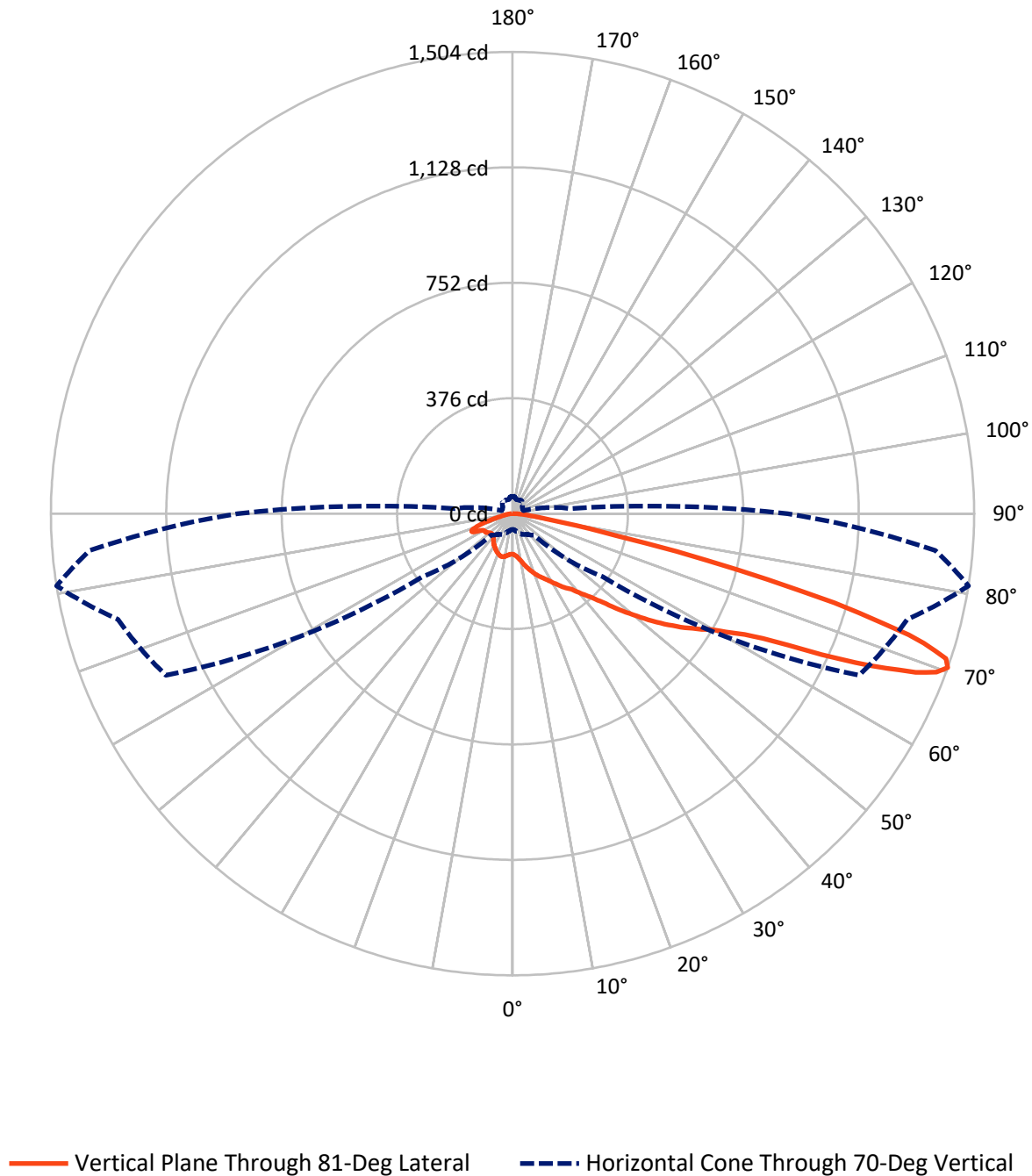
--- 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 0.8 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



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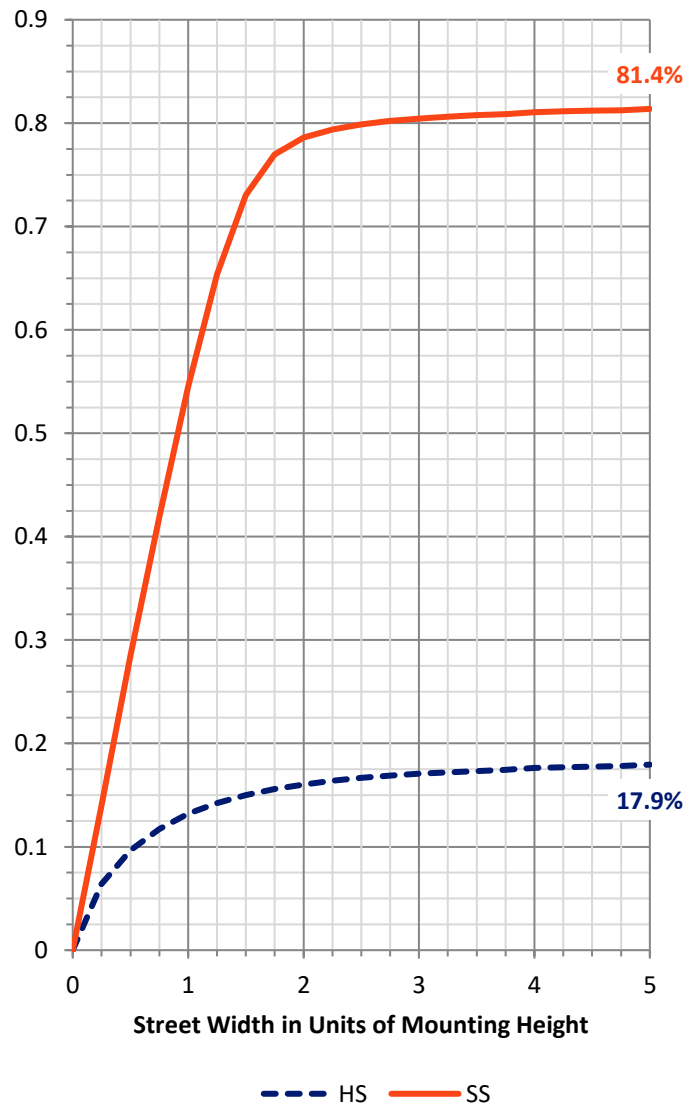
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	213.8	0.0	213.8
	% Fixture	18.4	0.0	18.4
Street Side	Lumens	949.3	0.0	949.3
	% Fixture	81.6	0.0	81.6
Total	Lumens	1163.1	0.0	1163.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	13.3	1.1
10°-20°	42.3	3.6
20°-30°	72.9	6.3
30°-40°	112.7	9.7
40°-50°	172.2	14.8
50°-60°	256.2	22.0
60°-70°	306.6	26.4
70°-80°	165.8	14.3
80°-90°	21.1	1.8
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°	1163.1	100.0
0°-180°	1163.1	100.0

Coefficient of Utilization



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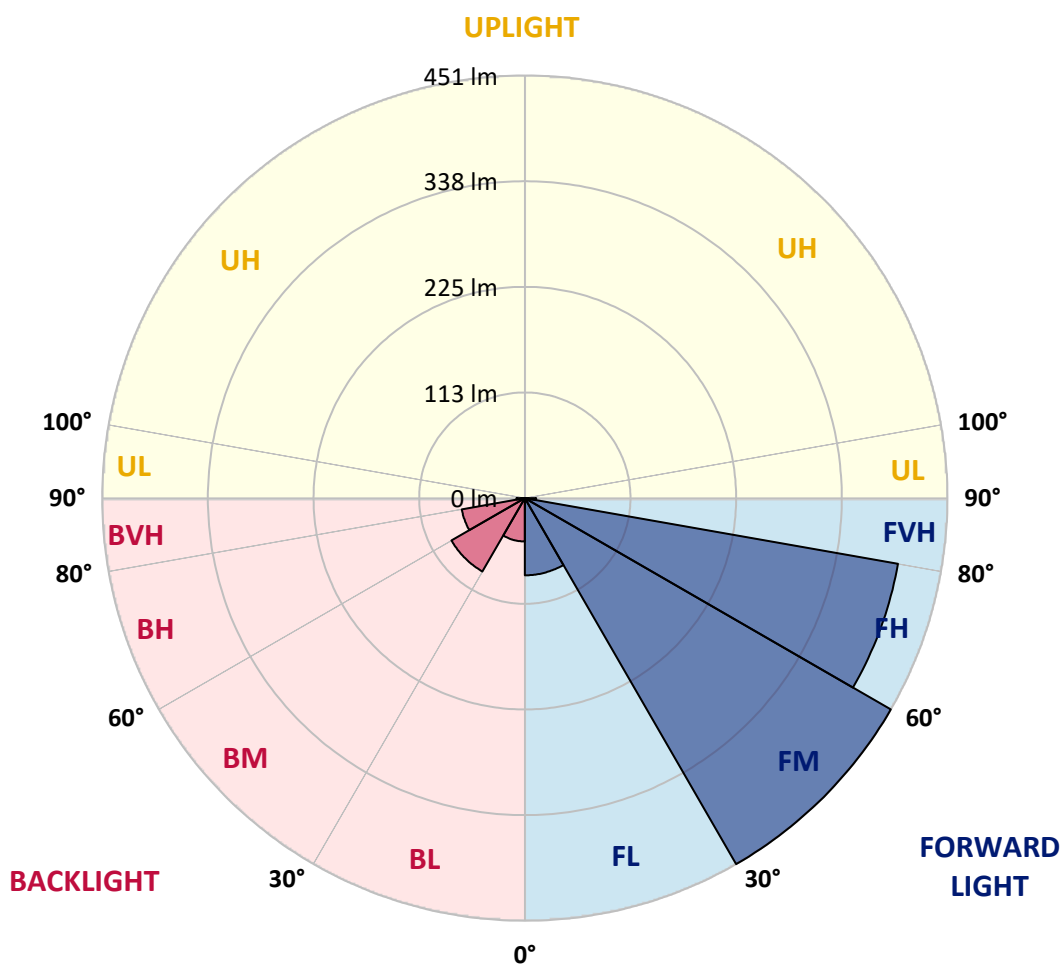
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	82.3	7.1			
FM	(30°-60°)	450.7	38.8			
FH	(60°-80°)	404.1	34.7			G0/660
FVH	(80°-90°)	12.1	1.0			G1/100
BL	(0°-30°)	46.2	4.0	B0/110		
BM	(30°-60°)	90.4	7.8	B0/220		
BH	(60°-80°)	68.3	5.9	B0/110		G0/110
BVH	(80°-90°)	9.0	0.8			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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	81°	85°
0°	132.3	132.3	132.3	132.3	132.3	132.3	132.3	132.3	132.3	132.3	132.3
2.5°	143.6	143.6	142.3	143.0	142.3	140.3	138.9	136.9	135.6	134.9	134.3
5°	151.6	151.6	153.0	151.0	153.6	150.3	148.3	146.3	142.3	139.6	138.9
7.5°	151.6	153.6	153.6	155.6	157.6	159.0	159.7	156.3	151.0	148.3	147.6
10°	159.7	157.6	160.3	159.7	162.3	164.3	168.3	168.3	161.7	157.6	155.0
12.5°	165.0	163.0	164.3	167.0	170.3	173.0	176.4	178.4	177.0	171.0	165.0
15°	164.3	165.0	167.0	171.0	176.4	180.4	186.4	191.7	189.7	183.7	177.0
17.5°	166.3	167.0	169.7	173.0	179.0	186.4	196.4	203.1	203.1	197.1	189.0
20°	179.0	176.4	177.7	177.7	182.4	191.0	204.4	213.1	216.4	209.1	198.4
22.5°	189.0	186.4	188.4	185.7	187.7	193.1	212.4	223.8	231.1	221.8	210.4
25°	201.7	203.7	205.1	199.7	196.4	197.1	215.1	234.5	245.2	232.5	221.8
27.5°	217.8	219.8	220.4	216.4	207.8	207.1	219.8	245.2	257.2	245.8	229.1
30°	235.8	233.1	235.8	230.5	223.1	217.1	227.1	256.5	275.9	261.2	243.2
32.5°	253.2	254.5	254.5	251.8	242.5	231.8	233.8	263.2	291.3	278.6	253.2
35°	284.6	283.9	279.9	271.9	261.9	251.2	247.2	271.9	310.0	297.3	265.9
37.5°	319.3	322.6	321.3	293.9	281.9	270.5	261.9	283.2	326.0	313.3	284.6
40°	336.0	346.0	341.4	322.0	305.3	291.3	280.6	299.9	350.7	340.7	303.3
42.5°	353.4	360.7	356.0	351.4	332.7	318.6	308.0	319.3	378.1	371.4	330.7
45°	363.4	372.7	374.8	372.7	353.4	352.0	334.7	345.4	413.5	411.5	362.7
47.5°	394.8	397.5	394.1	392.8	378.8	384.1	366.1	372.1	458.3	466.3	404.8
50°	422.8	429.5	428.2	430.2	414.2	426.9	391.5	412.8	509.0	524.4	447.6
52.5°	458.9	456.2	469.6	473.6	460.9	454.2	408.8	460.9	558.5	587.2	509.0
55°	440.2	446.2	474.3	498.3	525.1	500.3	438.9	510.4	605.2	648.6	564.5
56°	425.5	432.2	465.6	493.7	547.1	532.4	456.9	531.1	629.3	673.4	585.8
57°	396.8	406.1	440.2	485.6	548.4	563.1	491.0	554.4	642.6	696.1	595.9
58°	358.1	368.7	406.8	462.9	538.4	585.8	533.7	583.2	657.3	722.8	619.2
59°	314.6	314.6	362.1	427.5	525.7	603.9	599.2	609.9	678.7	742.8	639.3
60°	259.2	263.9	310.0	384.8	494.3	609.2	657.3	651.3	701.4	775.6	666.7
61°	200.4	212.4	251.8	323.3	451.6	607.9	713.4	718.1	720.1	813.6	702.7
62°	165.0	167.0	202.4	258.5	387.4	590.5	768.9	825.0	753.5	852.4	742.2
63°	133.6	138.3	165.7	211.1	318.0	547.1	810.3	953.2	804.9	911.2	807.0
64°	107.5	107.5	137.6	166.3	253.2	469.6	839.0	1078.8	887.1	995.3	896.5
65°	90.8	94.2	109.6	138.9	195.1	394.1	836.3	1189.7	965.9	1107.6	1012.7
66°	81.5	81.5	95.5	116.9	152.3	305.9	787.6	1289.9	1058.8	1217.8	1118.2
67°	72.1	72.8	85.5	99.5	124.2	231.1	706.8	1339.4	1147.6	1317.3	1215.8
67.5°	67.5	66.8	79.5	94.2	111.6	199.7	651.3	1352.0	1194.4	1358.1	1275.9
68°	63.5	64.1	75.5	90.8	102.9	171.0	590.5	1356.1	1236.5	1411.5	1311.3
69°	56.8	57.4	67.5	82.2	89.5	128.3	468.3	1327.3	1317.3	1475.0	1366.7
70°	51.4	52.8	60.8	74.8	82.2	99.5	358.1	1246.5	1331.3	1504.4	1383.4
71°	48.8	47.4	55.4	66.8	74.8	80.8	254.5	1120.9	1296.6	1489.7	1348.7
72°	44.1	44.1	50.1	61.5	68.8	67.5	184.4	956.6	1213.1	1405.5	1259.2
72.5°	42.1	42.1	47.4	56.8	65.5	64.1	162.3	868.4	1143.6	1350.0	1207.8
73°	40.1	40.7	46.1	54.8	62.8	60.1	131.6	772.2	1076.8	1260.5	1147.0
74°	38.1	38.1	42.1	49.4	57.4	53.4	96.2	613.9	908.5	1087.5	952.6
75°	35.4	35.4	38.7	45.4	52.1	48.1	74.1	454.2	718.1	857.7	741.5



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CATALOG NUMBER: CCW-SA-1-AMB-U-T2

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	81°	85°
77.5°	30.7	30.7	32.1	34.7	40.7	35.4	47.4	186.4	328.0	341.4	272.5
80°	26.1	26.1	27.4	26.7	32.1	26.7	32.7	87.5	130.9	125.6	98.2
82.5°	24.7	24.7	26.1	22.0	23.4	19.4	20.0	53.4	68.8	62.1	48.8
85°	12.0	10.7	18.0	21.4	16.7	12.0	12.0	27.4	36.1	30.7	23.4
87.5°	4.0	4.0	6.0	7.3	11.4	6.0	6.0	10.7	16.7	12.7	8.0
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°	132.3	132.3	132.3	132.3	132.3	132.3	132.3	132.3	132.3	132.3	132.3
2.5°	133.6	132.3	132.3	129.6	128.9	128.3	128.3	127.6	126.9	126.3	125.6
5°	136.3	134.9	132.9	130.9	128.3	126.9	125.6	123.6	121.6	122.2	122.9
7.5°	143.0	138.9	134.3	128.9	126.3	123.6	120.9	120.2	120.2	119.6	118.2
10°	151.0	144.3	135.6	126.9	122.9	118.2	116.2	116.9	117.6	117.6	115.6
12.5°	159.0	150.3	134.3	121.6	116.2	114.9	114.2	114.9	116.2	116.9	116.9
15°	168.3	154.3	130.9	117.6	110.9	111.6	112.9	112.9	114.9	116.2	116.2
17.5°	175.0	155.0	124.2	111.6	108.2	108.2	108.9	110.2	113.6	114.2	113.6
20°	181.0	153.0	117.6	106.2	104.2	102.2	103.5	104.9	107.5	109.6	110.9
22.5°	185.0	151.6	110.9	100.9	98.2	97.5	95.5	98.2	100.2	101.5	103.5
25°	189.0	147.0	104.9	96.9	91.5	90.8	89.5	90.8	92.9	93.5	92.9
27.5°	189.0	141.6	99.5	91.5	86.2	85.5	84.2	84.8	84.2	84.2	85.5
30°	191.7	137.6	94.9	86.8	83.5	83.5	81.5	79.5	78.2	76.8	76.8
32.5°	195.1	132.3	90.8	83.5	81.5	81.5	77.5	75.5	73.5	71.5	72.1
35°	194.4	124.9	86.8	80.8	80.2	79.5	76.8	72.1	71.5	69.5	70.1
37.5°	193.7	117.6	81.5	78.2	79.5	78.8	74.1	70.8	73.5	72.8	72.1
40°	199.1	110.9	77.5	78.2	78.2	76.8	72.1	69.5	78.2	77.5	79.5
42.5°	205.1	108.9	75.5	75.5	76.8	73.5	69.5	67.5	75.5	70.8	70.8
45°	222.4	108.2	72.8	72.8	74.1	71.5	68.1	66.1	68.8	63.5	62.8
47.5°	239.1	108.9	72.8	68.1	70.1	70.1	68.8	64.1	62.8	58.8	57.4
50°	267.2	112.2	73.5	64.8	66.1	69.5	66.1	62.8	59.5	58.1	56.8
52.5°	300.6	118.9	72.1	61.5	64.1	68.8	66.1	61.5	58.8	58.1	57.4
55°	334.7	129.6	70.8	55.4	60.1	68.8	65.5	60.8	56.8	58.1	57.4
56°	351.4	130.3	68.8	54.1	58.8	68.8	65.5	59.5	57.4	58.8	58.1
57°	365.4	132.3	67.5	52.1	57.4	66.8	65.5	59.5	57.4	58.8	58.8
58°	378.8	135.6	65.5	50.8	56.1	66.8	64.1	59.5	56.8	58.1	58.1
59°	402.1	137.6	62.8	48.8	54.8	66.1	63.5	58.8	56.8	58.1	58.1
60°	421.5	140.3	60.1	47.4	53.4	66.1	62.8	58.8	56.1	58.8	58.8
61°	444.2	145.6	56.1	46.1	51.4	64.8	62.1	58.1	55.4	58.8	59.5
62°	475.6	155.0	53.4	44.8	50.1	62.8	61.5	56.8	54.8	58.8	59.5
63°	533.1	167.0	50.8	44.1	49.4	60.1	60.8	55.4	54.1	58.8	59.5
64°	622.6	185.7	48.1	43.4	48.1	59.5	59.5	54.1	52.8	59.5	60.1
65°	706.1	201.7	46.1	42.1	46.8	57.4	58.8	53.4	52.1	60.1	60.1
66°	782.9	211.1	43.4	41.4	44.8	55.4	57.4	52.1	51.4	60.1	59.5
67°	846.4	213.1	42.1	39.4	43.4	53.4	56.1	51.4	50.1	59.5	58.8
67.5°	870.4	211.8	41.4	39.4	42.1	52.1	55.4	50.8	50.1	60.1	58.8
68°	888.4	213.8	40.1	38.1	41.4	51.4	54.8	50.8	49.4	58.8	58.1
69°	914.5	206.4	38.7	37.4	40.7	49.4	52.8	50.1	48.1	58.8	56.8
70°	896.5	189.0	37.4	36.1	38.7	47.4	51.4	48.8	47.4	56.8	54.1
71°	853.0	171.7	35.4	34.7	37.4	46.1	49.4	47.4	46.1	54.1	50.8
72°	788.9	153.6	34.7	33.4	36.1	43.4	48.1	46.1	44.8	50.8	48.8
72.5°	750.8	143.6	33.4	32.7	35.4	42.8	47.4	45.4	43.4	50.1	47.4
73°	708.8	133.6	32.7	32.1	34.7	42.1	46.8	45.4	43.4	48.8	46.1
74°	569.1	108.2	30.7	30.1	33.4	40.1	44.8	43.4	42.8	46.8	44.8
75°	416.8	82.8	28.7	28.7	32.1	38.7	42.8	42.8	40.1	44.1	42.8



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
77.5°	151.0	47.4	24.7	24.7	27.4	34.7	38.7	38.1	36.1	38.1	37.4
80°	60.8	30.7	20.0	20.7	22.0	29.4	33.4	32.7	30.7	32.1	32.1
82.5°	34.7	19.4	15.4	16.0	17.4	24.7	29.4	28.1	26.7	27.4	26.7
85°	16.7	10.7	11.4	11.4	12.7	20.7	25.4	22.7	20.0	19.4	18.7
87.5°	6.0	5.3	6.0	6.7	7.3	13.4	18.0	15.4	13.4	12.7	13.4
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)