

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: P675852

Luminaire Tested: **CCW-SA-2E-740-U-SLL**

Issue Date: 04/25/2023

Test Information

Test Method: LM-79-08
Report Number: P675852
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-2E-740-U-SLL
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @1050mA w/
SLL distribution lens
Light Source: (32) 4000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

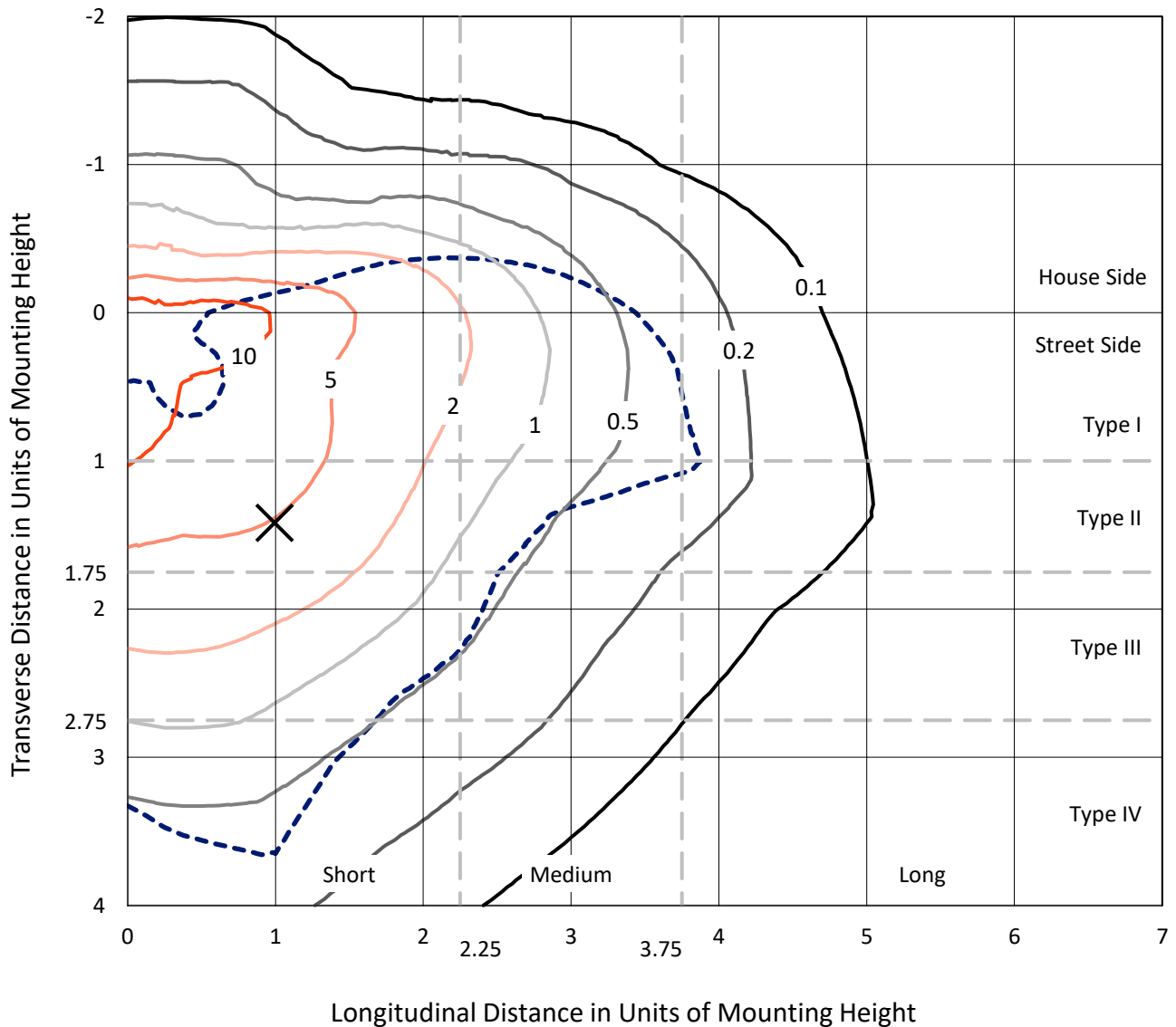
Lumens per Lamp: N/A
Luminaire Lumens: 11344.9 lumens
Efficiency: N/A
Efficacy: 106.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G3

Input Watts (W): 106.6
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

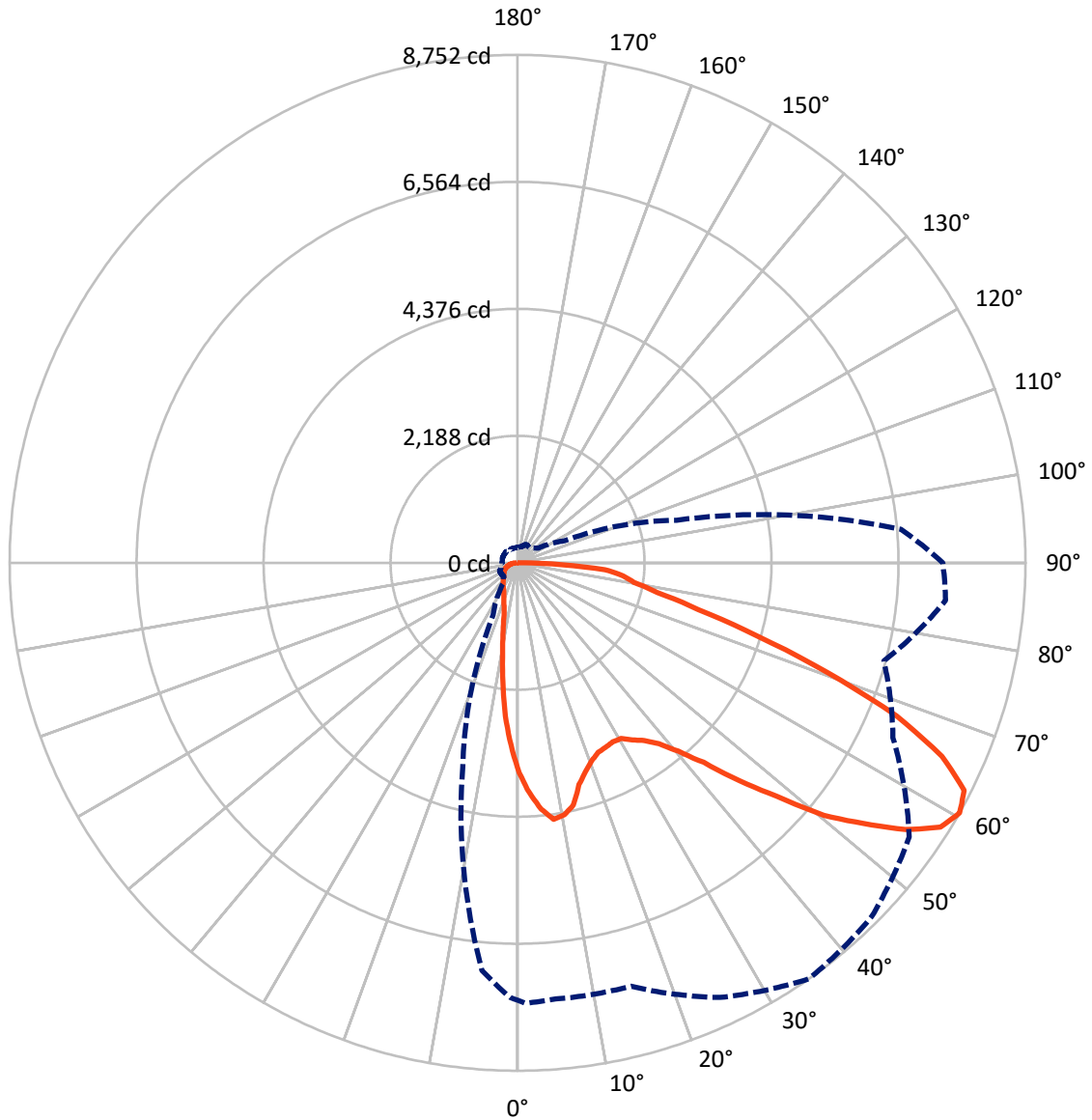
✕ Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 18.4 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 60-Deg Vertical

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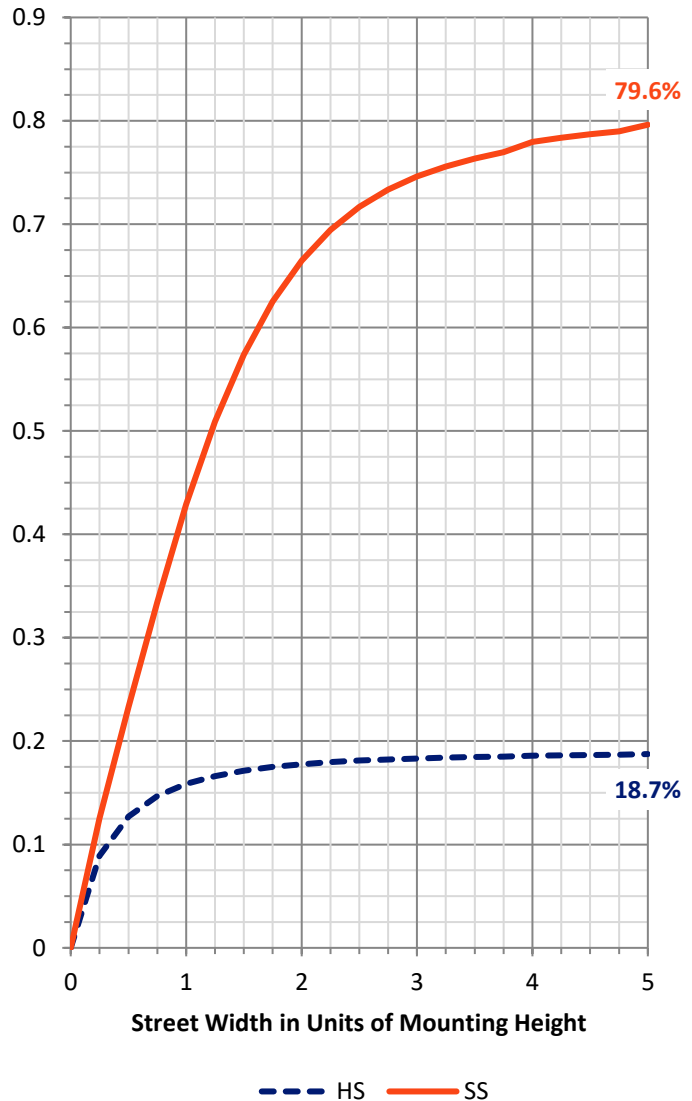
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2159.1	0.0	2159.1
	% Fixture	19.0	0.0	19.0
Street Side	Lumens	9185.8	0.0	9185.8
	% Fixture	81.0	0.0	81.0
Total	Lumens	11344.9	0.0	11344.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	281.5	2.5
10°-20°	594.3	5.2
20°-30°	869.6	7.7
30°-40°	1225.2	10.8
40°-50°	1683.8	14.8
50°-60°	2294.8	20.2
60°-70°	2511.5	22.1
70°-80°	1450.0	12.8
80°-90°	434.2	3.8
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°	11344.9	100.0
0°-180°	11344.9	100.0

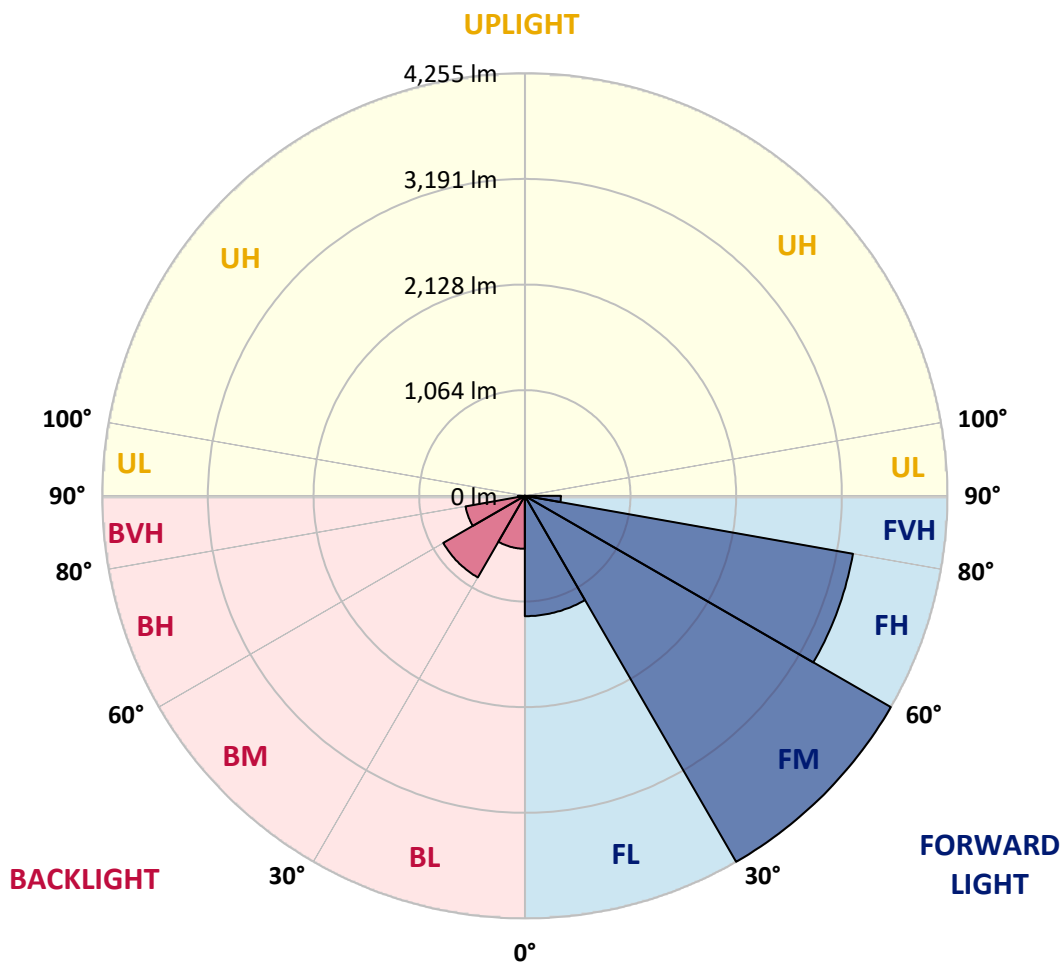


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1212.0	10.7			
FM (30°-60°)	4255.3	37.5			
FH (60°-80°)	3355.1	29.6			G2/5000
FVH (80°-90°)	363.5	3.2			G3/500
BL (0°-30°)	533.4	4.7	B2/1000		
BM (30°-60°)	948.5	8.4	B1/1000		
BH (60°-80°)	606.4	5.3	B2/1000		G2/1000
BVH (80°-90°)	70.8	0.6			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3
 Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	3623.5	3623.5	3623.5	3623.5	3623.5	3623.5	3623.5	3623.5	3623.5	3623.5	3623.5
2.5°	3880.2	3865.1	3880.2	3935.5	3950.6	3975.8	3975.8	3940.6	3875.1	3844.9	3794.6
5°	3965.7	3940.6	4066.4	4182.1	4272.7	4262.6	4177.1	4106.6	3975.8	3779.5	3593.3
7.5°	3794.6	3819.8	3910.4	4212.3	4423.7	4463.9	4328.1	4187.2	3905.3	3633.6	3381.9
10°	3472.5	3507.7	3704.0	4016.0	4348.2	4413.6	4328.1	4157.0	3819.8	3482.6	3190.7
12.5°	3316.5	3397.0	3512.8	3890.2	4126.8	4282.8	4242.5	4131.8	3754.3	3356.8	3074.9
15°	3316.5	3336.6	3507.7	3824.8	3960.7	3965.7	3980.8	4000.9	3774.5	3412.1	3034.7
17.5°	3422.2	3477.5	3623.5	3819.8	3844.9	3784.5	3784.5	3870.1	3814.7	3568.1	3180.6
20°	3678.9	3658.7	3850.0	3930.5	3794.6	3643.6	3628.5	3774.5	3860.0	3734.2	3447.4
22.5°	3935.5	4026.1	4182.1	4000.9	3749.3	3548.0	3527.9	3709.1	3995.9	4021.1	3754.3
25°	4323.0	4413.6	4494.1	4272.7	3744.3	3522.8	3537.9	3678.9	4162.0	4428.7	4267.7
27.5°	4740.7	4796.1	4911.9	4569.6	3865.1	3492.6	3507.7	3719.1	4318.0	4695.4	4670.3
30°	4977.3	5037.7	5012.5	4625.0	3945.6	3512.8	3472.5	3774.5	4232.4	4695.4	4932.0
32.5°	5208.8	5173.5	5158.4	4715.6	4046.2	3638.6	3537.9	3890.2	4282.8	4770.9	5269.2
35°	5490.6	5440.3	5400.0	4891.7	4212.3	3759.4	3714.1	4041.2	4393.5	4926.9	5540.9
37.5°	5802.6	5802.6	5606.4	5022.6	4408.6	3955.7	3905.3	4257.6	4569.6	5022.6	5913.3
40°	6170.0	6185.1	5837.9	5198.7	4630.0	4267.7	4252.6	4539.4	4740.7	5163.5	6270.7
42.5°	6441.8	6451.8	6039.2	5264.1	4886.7	4700.5	4765.9	4992.4	4937.0	5289.3	6295.8
45°	6628.0	6577.7	6180.1	5450.3	5168.5	5349.7	5369.8	5435.2	5193.7	5364.8	6396.5
47.5°	6718.6	6708.5	6240.5	5666.7	5762.4	6009.0	6124.7	6034.1	5430.2	5284.3	6396.5
50°	6809.2	6723.6	6295.8	5963.7	6341.1	6839.3	6814.2	6648.1	5757.3	5384.9	6300.9
52.5°	6869.5	6794.1	6406.5	6230.4	6894.7	7458.4	7559.0	7252.0	6139.8	5571.1	6346.2
55°	7085.9	7025.6	6738.7	6592.8	7533.9	8112.6	8127.7	7699.9	6542.4	5878.1	6643.1
57.5°	7347.6	7382.9	7196.7	7106.1	8022.0	8590.7	8535.3	8032.1	6884.6	6250.5	6985.3
60°	7533.9	7589.2	7543.9	7554.0	8263.6	8751.7	8625.9	8238.4	7136.3	6532.4	7403.0
62.5°	7433.2	7543.9	7730.1	7689.9	8273.6	8636.0	8459.9	7966.7	7166.5	6899.7	7720.1
65°	7156.4	7166.5	7528.8	7750.3	7820.7	8037.1	7805.6	7398.0	6854.4	7126.2	7674.8
67.5°	6446.8	6527.3	6854.4	7287.3	6990.3	7040.7	7020.5	6431.7	6381.4	6970.2	7327.5
70°	5691.9	5747.3	6104.6	6612.9	5903.3	5666.7	5712.0	5274.2	5480.5	6487.1	6628.0
72.5°	4705.5	4740.7	5148.4	5596.3	4735.7	4313.0	4418.7	4061.3	4353.2	5676.8	5591.3
75°	3553.0	3618.5	3935.5	4463.9	3487.6	3215.9	3321.5	3175.6	3447.4	4675.3	4338.1
77.5°	2526.4	2476.1	2868.6	3492.6	2622.0	2461.0	2471.0	2496.2	2788.1	3940.6	3115.2
80°	1721.2	1736.3	2088.5	2561.6	2058.3	2033.2	2008.0	2209.3	2340.2	3120.2	2264.7
82.5°	1021.6	1021.6	1409.1	1821.8	1625.5	1831.9	1716.1	1897.3	1831.9	2294.9	1484.6
85°	478.1	478.1	724.7	1313.5	1258.2	1509.8	1283.3	1434.3	1353.8	1600.4	669.3
87.5°	80.5	70.5	145.9	644.2	518.4	588.8	231.5	765.0	850.5	1117.2	166.1
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°	3623.5	3623.5	3623.5	3623.5	3623.5	3623.5	3623.5	3623.5	3623.5	3623.5	3623.5
2.5°	3739.2	3704.0	3633.6	3543.0	3467.5	3371.9	3341.7	3276.2	3185.7	3175.6	3135.3
5°	3522.8	3402.1	3251.1	3064.9	2939.1	2808.2	2697.5	2632.1	2556.6	2546.5	2526.4
7.5°	3286.3	3135.3	2883.7	2662.3	2445.9	2239.5	2138.9	2013.1	1927.5	1862.1	1831.9
10°	3064.9	2924.0	2611.9	2310.0	2118.7	1982.9	1862.1	1731.2	1625.5	1545.0	1514.8
12.5°	2918.9	2752.9	2415.7	2128.8	1987.9	1831.9	1696.0	1555.1	1419.2	1313.5	1258.2
15°	2853.5	2697.5	2355.3	2038.2	1831.9	1615.5	1459.5	1318.6	1152.5	1077.0	1051.8
17.5°	3009.5	2778.0	2335.1	1932.5	1640.6	1394.0	1202.8	1051.8	931.0	855.5	825.4
20°	3210.8	2924.0	2370.4	1806.7	1459.5	1182.7	971.3	810.3	729.7	674.4	669.3
22.5°	3467.5	3140.4	2425.7	1716.1	1258.2	951.2	759.9	664.3	608.9	603.9	593.9
25°	3925.5	3532.9	2516.3	1595.3	1097.1	785.1	649.2	593.9	568.7	553.6	563.7
27.5°	4318.0	3789.6	2581.7	1519.9	1031.7	739.8	629.1	568.7	543.5	538.5	543.5
30°	4549.5	4026.1	2561.6	1378.9	900.8	704.6	669.3	649.2	598.9	558.6	558.6
32.5°	4760.9	4177.1	2556.6	1253.1	770.0	588.8	558.6	543.5	573.7	593.9	578.8
35°	5052.8	4413.6	2541.5	1182.7	714.6	543.5	493.2	452.9	432.8	422.7	437.8
37.5°	5364.8	4574.7	2501.2	1172.6	684.4	518.4	478.1	437.8	417.7	407.6	402.6
40°	5707.0	4745.8	2455.9	1122.3	669.3	503.3	463.0	427.8	402.6	387.5	382.5
42.5°	5928.4	4881.7	2410.6	1097.1	639.1	493.2	447.9	417.7	392.5	372.4	372.4
45°	6054.3	5042.7	2365.3	1072.0	603.9	498.2	447.9	407.6	377.4	367.4	357.3
47.5°	6109.6	5163.5	2350.2	1031.7	573.7	478.1	437.8	397.6	367.4	347.3	342.2
50°	6255.6	5420.1	2405.6	1001.5	538.5	458.0	463.0	392.5	362.3	337.2	332.2
52.5°	6341.1	5626.5	2526.4	956.2	513.3	432.8	452.9	382.5	347.3	322.1	322.1
55°	6653.1	5968.7	2657.2	921.0	483.1	397.6	417.7	362.3	322.1	307.0	307.0
57.5°	7050.7	6331.1	2767.9	905.9	463.0	372.4	372.4	352.3	307.0	286.9	281.8
60°	7327.5	6628.0	2833.4	895.8	442.9	347.3	332.2	352.3	291.9	271.8	266.7
62.5°	7357.7	6456.9	2767.9	890.8	437.8	322.1	302.0	337.2	276.8	256.7	246.6
65°	7166.5	6109.6	2586.8	870.6	432.8	296.9	281.8	291.9	256.7	241.6	231.5
67.5°	6784.0	5546.0	2325.1	860.6	427.8	276.8	256.7	251.6	236.5	221.4	211.4
70°	5893.2	4811.2	2018.1	815.3	417.7	261.7	231.5	226.5	211.4	201.3	196.3
72.5°	4947.1	3935.5	1665.8	754.9	397.6	236.5	211.4	201.3	196.3	181.2	176.1
75°	3789.6	3029.6	1333.6	669.3	347.3	211.4	186.2	176.1	171.1	161.0	156.0
77.5°	2662.3	2254.6	986.4	543.5	291.9	191.2	166.1	156.0	151.0	135.9	135.9
80°	1806.7	1580.2	669.3	377.4	226.5	156.0	145.9	135.9	125.8	115.8	115.8
82.5°	1122.3	1107.2	483.1	246.6	166.1	125.8	115.8	115.8	100.7	90.6	90.6
85°	513.3	679.4	337.2	171.1	125.8	95.6	95.6	90.6	80.5	65.4	65.4
87.5°	161.0	226.5	176.1	75.5	70.5	55.4	55.4	50.3	50.3	40.3	40.3
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):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	3623.5	3623.5	3623.5	3623.5	3623.5	3623.5	3623.5	3623.5	3623.5	3623.5	3623.5
2.5°	3175.6	3170.6	3170.6	3150.4	3200.8	3200.8	3231.0	3205.8	3220.9	3225.9	3266.2
5°	2521.3	2561.6	2591.8	2652.2	2687.4	2702.5	2702.5	2742.8	2727.7	2757.9	2818.3
7.5°	1847.0	1897.3	1987.9	2063.4	2123.8	2143.9	2138.9	2148.9	2164.0	2128.8	2138.9
10°	1494.7	1459.5	1489.7	1560.1	1615.5	1680.9	1630.6	1625.5	1640.6	1625.5	1655.7
12.5°	1248.1	1207.8	1182.7	1182.7	1222.9	1253.1	1238.0	1263.2	1318.6	1333.6	1368.9
15°	1011.6	976.3	956.2	931.0	971.3	981.4	996.5	1031.7	1072.0	1092.1	1132.3
17.5°	810.3	810.3	810.3	790.1	805.2	820.3	825.4	870.6	875.7	895.8	910.9
20°	664.3	679.4	704.6	714.6	729.7	729.7	719.7	744.8	724.7	739.8	749.9
22.5°	598.9	619.0	629.1	634.1	654.2	659.3	634.1	639.1	644.2	629.1	634.1
25°	563.7	573.7	563.7	568.7	573.7	563.7	568.7	578.8	573.7	583.8	578.8
27.5°	548.6	538.5	533.5	528.4	528.4	518.4	523.4	523.4	533.5	538.5	538.5
30°	548.6	533.5	513.3	498.2	498.2	483.1	493.2	503.3	508.3	518.4	518.4
32.5°	563.7	533.5	498.2	483.1	468.0	458.0	468.0	483.1	503.3	508.3	513.3
35°	447.9	463.0	458.0	437.8	432.8	432.8	427.8	427.8	412.7	412.7	407.6
37.5°	402.6	397.6	407.6	412.7	417.7	402.6	402.6	382.5	377.4	382.5	382.5
40°	377.4	377.4	377.4	392.5	397.6	387.5	372.4	362.3	362.3	362.3	367.4
42.5°	367.4	357.3	352.3	362.3	377.4	367.4	352.3	347.3	347.3	352.3	352.3
45°	352.3	347.3	342.2	337.2	357.3	342.2	337.2	332.2	332.2	332.2	337.2
47.5°	337.2	332.2	322.1	322.1	327.1	322.1	317.1	317.1	317.1	327.1	327.1
50°	327.1	322.1	312.0	312.0	312.0	312.0	307.0	307.0	307.0	312.0	317.1
52.5°	312.0	307.0	302.0	296.9	296.9	296.9	296.9	296.9	296.9	302.0	307.0
55°	296.9	291.9	286.9	286.9	291.9	291.9	286.9	291.9	286.9	291.9	296.9
57.5°	281.8	276.8	271.8	276.8	281.8	276.8	276.8	276.8	276.8	276.8	281.8
60°	261.7	261.7	261.7	261.7	271.8	271.8	271.8	271.8	261.7	266.7	271.8
62.5°	251.6	246.6	246.6	251.6	256.7	256.7	261.7	256.7	251.6	256.7	256.7
65°	231.5	231.5	231.5	236.5	236.5	241.6	241.6	241.6	236.5	241.6	241.6
67.5°	216.4	216.4	216.4	216.4	226.5	226.5	226.5	226.5	221.4	221.4	226.5
70°	191.2	196.3	191.2	201.3	211.4	206.3	211.4	211.4	206.3	201.3	211.4
72.5°	176.1	176.1	176.1	176.1	191.2	191.2	191.2	196.3	191.2	186.2	191.2
75°	156.0	156.0	156.0	161.0	171.1	171.1	171.1	171.1	171.1	166.1	166.1
77.5°	135.9	140.9	135.9	140.9	151.0	145.9	151.0	156.0	151.0	145.9	145.9
80°	115.8	115.8	115.8	120.8	125.8	125.8	125.8	130.8	125.8	120.8	120.8
82.5°	90.6	90.6	95.6	95.6	100.7	100.7	100.7	105.7	100.7	95.6	95.6
85°	70.5	70.5	70.5	75.5	75.5	80.5	80.5	85.6	85.6	80.5	80.5
87.5°	45.3	40.3	45.3	45.3	50.3	50.3	45.3	40.3	45.3	40.3	35.2
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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 CATALOG NUMBER: CCW-SA-2E-740-U-SLL

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	3623.5	3623.5	3623.5	3623.5	3623.5	3623.5	3623.5	3623.5	3623.5	3623.5
2.5°	3306.4	3397.0	3462.5	3507.7	3573.2	3699.0	3749.3	3839.9	3865.1	3880.2
5°	2843.4	2939.1	3080.0	3180.6	3296.4	3532.9	3714.1	3850.0	3910.4	3965.7
7.5°	2229.5	2355.3	2501.2	2632.1	2823.3	3115.2	3351.7	3633.6	3739.2	3794.6
10°	1741.3	1857.0	2018.1	2179.1	2445.9	2692.5	3029.6	3286.3	3432.3	3472.5
12.5°	1469.5	1605.4	1796.7	1992.9	2159.0	2440.8	2783.0	3155.5	3291.3	3316.5
15°	1248.1	1434.3	1630.6	1831.9	2023.1	2269.7	2637.1	3090.0	3291.3	3316.5
17.5°	1031.7	1197.8	1429.3	1645.7	1867.1	2204.3	2662.3	3145.4	3346.7	3422.2
20°	820.3	981.4	1162.5	1434.3	1736.3	2093.6	2717.6	3331.6	3598.3	3678.9
22.5°	679.4	749.9	926.0	1187.7	1545.0	2018.1	2773.0	3623.5	3905.3	3935.5
25°	593.9	644.2	754.9	1001.5	1394.0	1967.8	2903.8	3960.7	4323.0	4323.0
27.5°	553.6	573.7	649.2	870.6	1288.4	1922.5	3034.7	4333.1	4670.3	4740.7
30°	543.5	593.9	634.1	775.0	1172.6	1796.7	3155.5	4625.0	4972.2	4977.3
32.5°	533.5	523.4	553.6	674.4	1031.7	1665.8	3256.1	4921.9	5193.7	5208.8
35°	417.7	437.8	488.2	593.9	926.0	1570.2	3306.4	5083.0	5475.5	5490.6
37.5°	392.5	417.7	458.0	548.6	855.5	1489.7	3321.5	5395.0	5772.4	5802.6
40°	382.5	402.6	432.8	508.3	800.2	1389.0	3351.7	5717.1	6210.3	6170.0
42.5°	362.3	387.5	417.7	488.2	754.9	1313.5	3356.8	5893.2	6441.8	6441.8
45°	357.3	372.4	407.6	488.2	704.6	1248.1	3276.2	6069.4	6708.5	6628.0
47.5°	337.2	367.4	397.6	473.1	644.2	1182.7	3180.6	6159.9	6743.7	6718.6
50°	332.2	362.3	412.7	447.9	608.9	1152.5	3160.5	6386.4	6814.2	6809.2
52.5°	322.1	352.3	427.8	427.8	563.7	1112.2	3256.1	6487.1	6829.3	6869.5
55°	307.0	352.3	397.6	392.5	523.4	1061.9	3361.8	6748.8	7096.0	7085.9
57.5°	296.9	342.2	377.4	357.3	478.1	1026.7	3517.8	7000.4	7418.1	7347.6
60°	281.8	342.2	337.2	332.2	442.9	996.5	3648.7	7050.7	7488.6	7533.9
62.5°	271.8	357.3	296.9	307.0	412.7	981.4	3593.3	6673.3	7392.9	7433.2
65°	261.7	307.0	271.8	281.8	402.6	951.2	3376.9	6220.3	6980.3	7156.4
67.5°	241.6	251.6	251.6	261.7	392.5	880.7	2934.0	5405.0	6351.2	6446.8
70°	221.4	226.5	226.5	241.6	382.5	800.2	2420.7	4675.3	5510.7	5691.9
72.5°	201.3	201.3	201.3	221.4	352.3	734.8	1992.9	3593.3	4579.7	4705.5
75°	176.1	176.1	176.1	196.3	317.1	669.3	1570.2	2672.3	3371.9	3553.0
77.5°	156.0	156.0	151.0	176.1	276.8	543.5	1132.3	1887.2	2375.4	2526.4
80°	130.8	125.8	125.8	140.9	216.4	392.5	729.7	1333.6	1655.7	1721.2
82.5°	105.7	100.7	95.6	105.7	156.0	246.6	452.9	931.0	1061.9	1021.6
85°	100.7	105.7	85.6	80.5	110.7	161.0	286.9	573.7	478.1	478.1
87.5°	40.3	35.2	35.2	30.2	55.4	60.4	125.8	105.7	80.5	80.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)