

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: P675030

Luminaire Tested: **CCW-SA-2C-830-U-T3**

Issue Date: 04/25/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P675030  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 04/25/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCW-SA-2C-830-U-T3  
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @615mA w/  
T3 distribution lens  
Light Source: (32) 3000K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

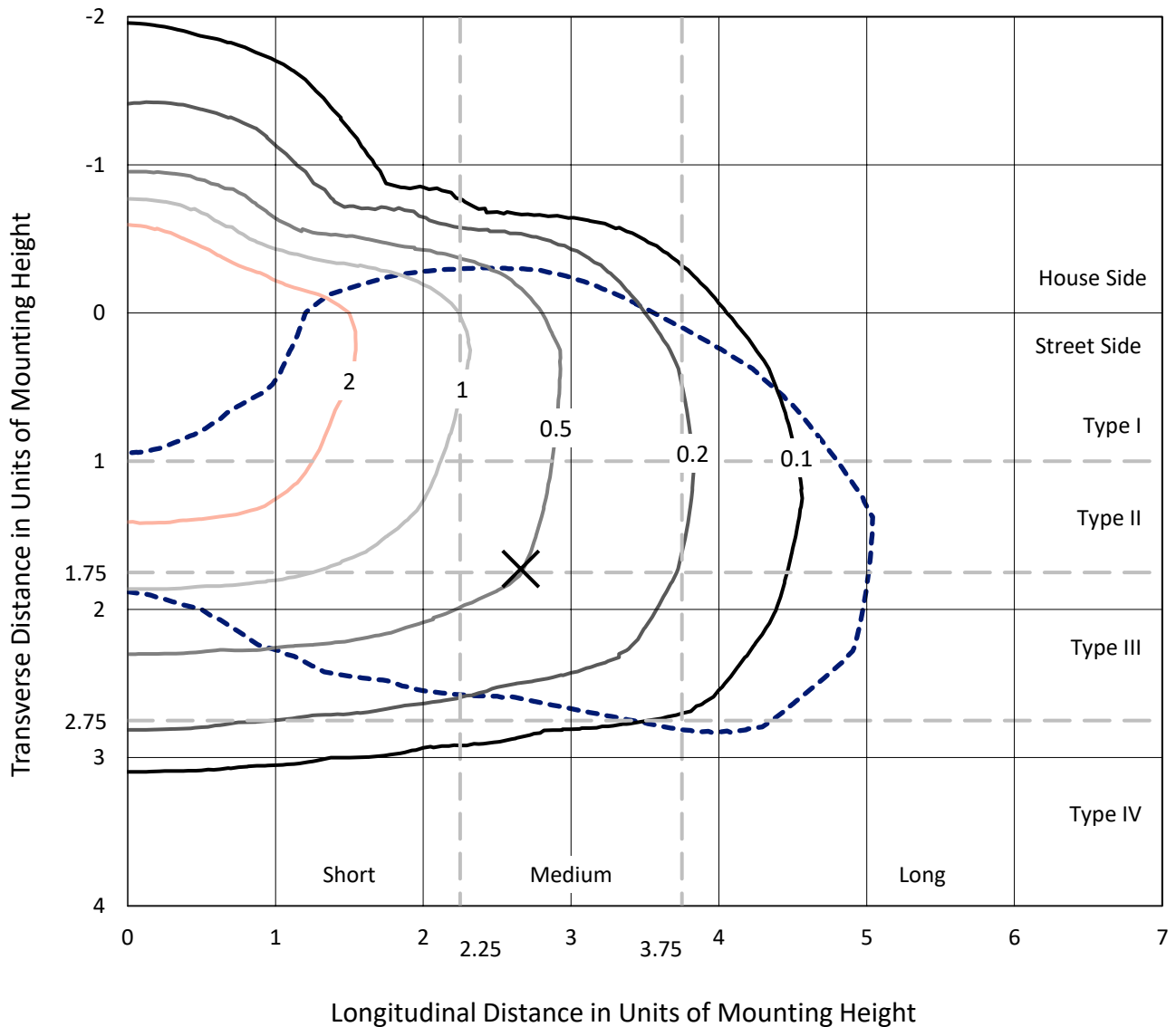
Lumens per Lamp: N/A  
Luminaire Lumens: 7259 lumens  
Efficiency: N/A  
Efficacy: 116.9 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B1 - U0 - G2

Input Watts (W): 62.1  
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

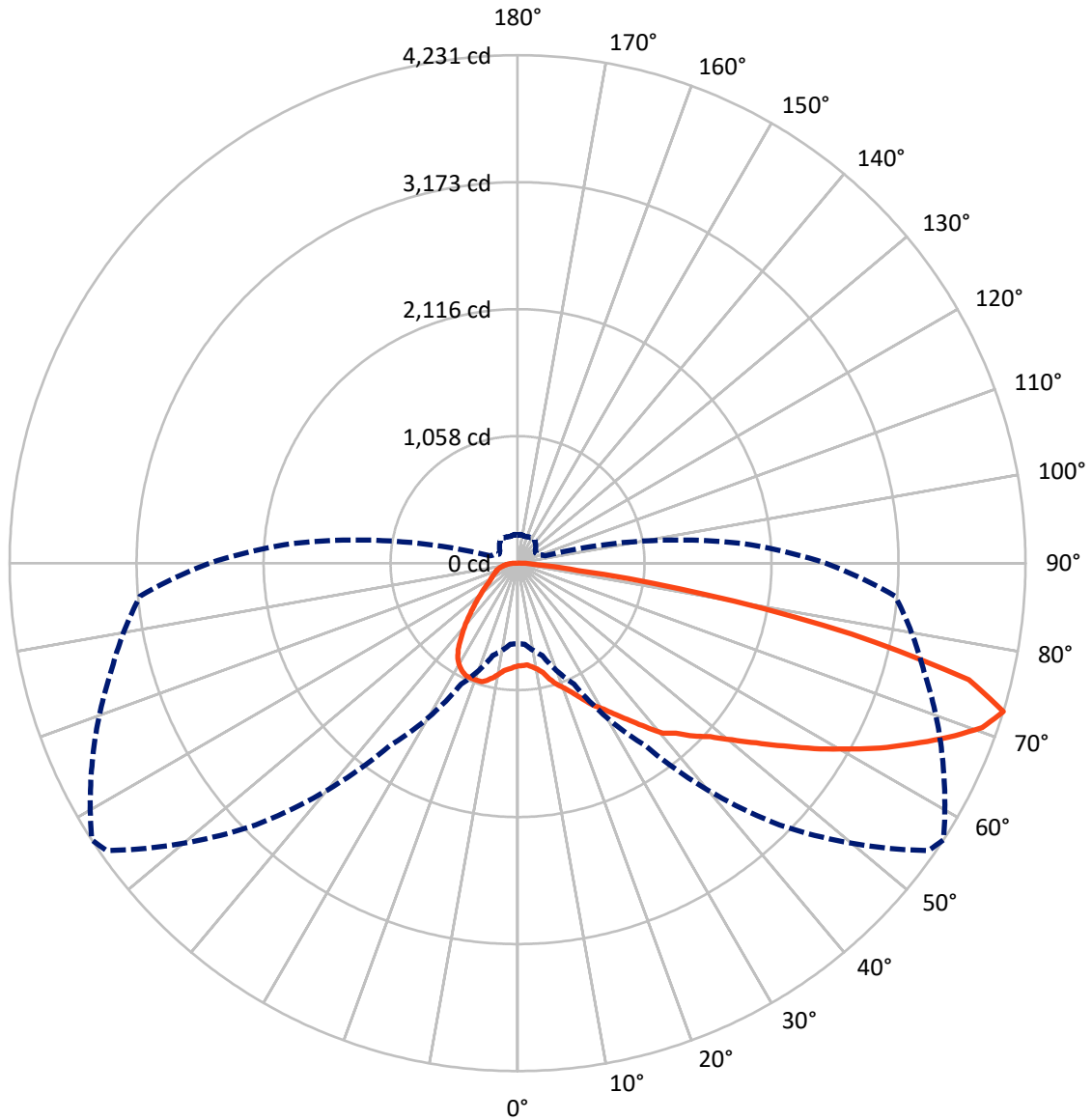
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 4.4 fc  
 Type III - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 57-Deg Lateral    - - - Horizontal Cone Through 72.5-Deg Vertical

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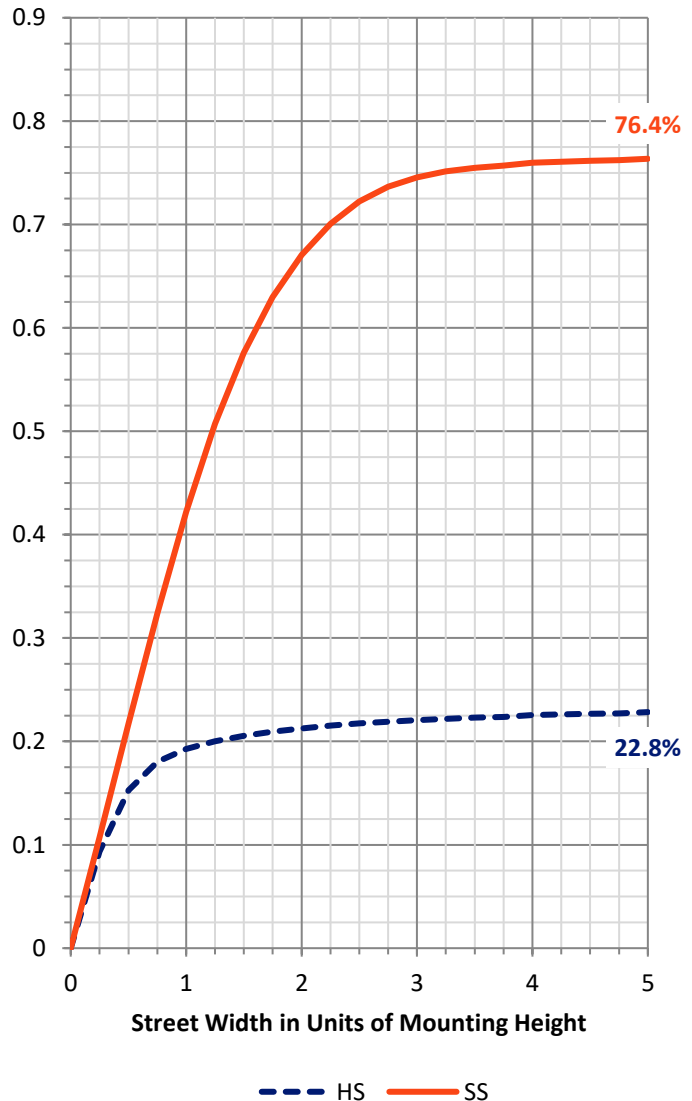
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1695.2	0.0	1695.2
	% Fixture	23.4	0.0	23.4
<b>Street Side</b>	Lumens	5563.8	0.0	5563.8
	% Fixture	76.6	0.0	76.6
<b>Total</b>	Lumens	7259.0	0.0	7259.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	85.0	1.2
10°-20°	286.6	3.9
20°-30°	524.0	7.2
30°-40°	768.7	10.6
40°-50°	1058.4	14.6
50°-60°	1451.4	20.0
60°-70°	1749.6	24.1
70°-80°	1165.5	16.1
80°-90°	169.8	2.3
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°	7259.0	100.0
0°-180°	7259.0	100.0

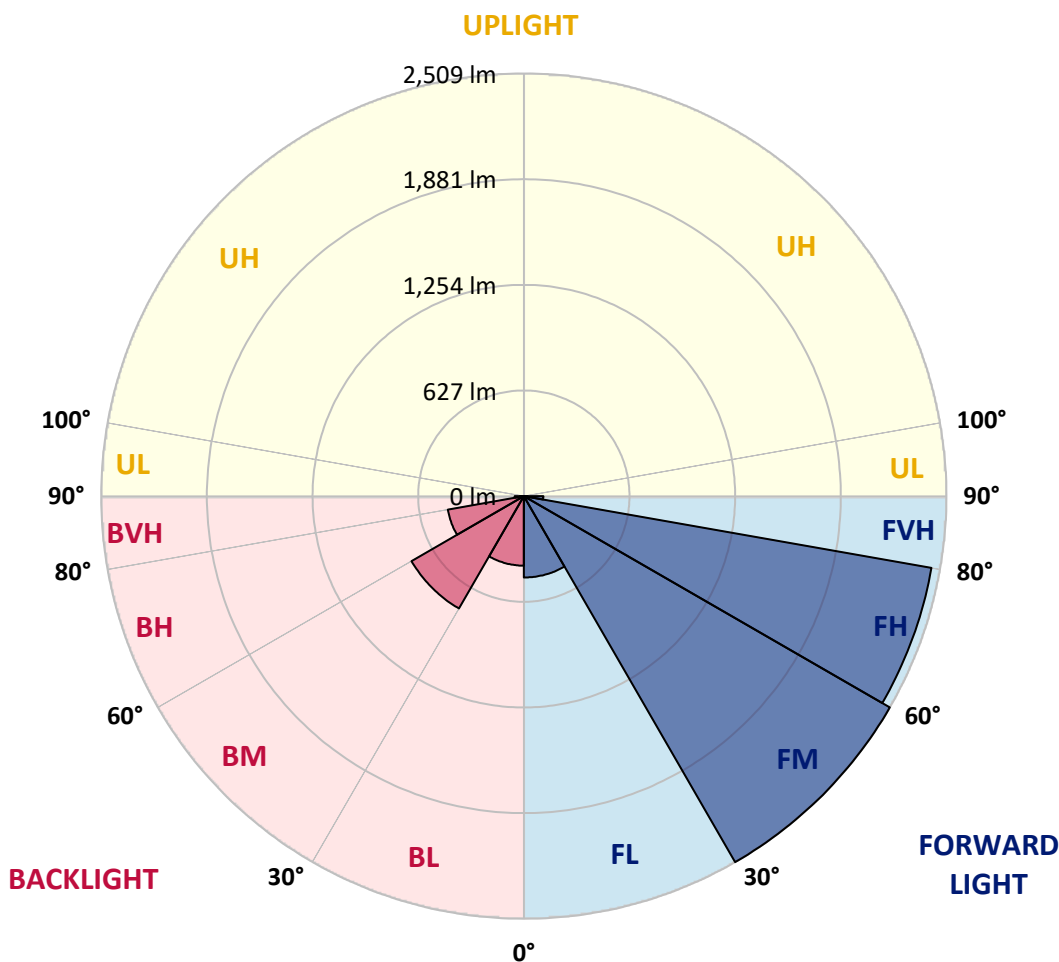


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	482.9	6.7			
FM (30°-60°)	2508.6	34.6			
FH (60°-80°)	2456.7	33.8			G2/5000
FVH (80°-90°)	115.6	1.6			G2/225
BL (0°-30°)	412.7	5.7	B1/500		
BM (30°-60°)	770.0	10.6	B1/1000		
BH (60°-80°)	458.3	6.3	B1/500		G1/500
BVH (80°-90°)	54.2	0.7			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G2**  
 Type III Medium







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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	856.8	856.8	856.8	856.8	856.8	856.8	856.8	856.8	856.8	856.8	856.8
2.5°	859.4	859.4	862.1	862.1	867.4	872.7	880.6	875.3	875.3	877.9	875.3
5°	856.8	859.4	867.4	880.6	885.9	888.5	904.4	904.4	904.4	909.7	909.7
7.5°	867.4	872.7	885.9	899.1	901.7	909.7	930.8	936.1	949.3	954.6	957.3
10°	893.8	901.7	912.3	928.2	938.8	949.3	965.2	983.7	981.1	996.9	999.6
12.5°	933.5	930.8	949.3	965.2	975.8	991.7	996.9	996.9	996.9	996.9	1002.2
15°	965.2	970.5	986.4	996.9	1010.2	1007.5	996.9	986.4	989.0	986.4	986.4
17.5°	1012.8	1012.8	1026.0	1028.7	1034.0	1007.5	991.7	991.7	999.6	999.6	994.3
20°	1060.4	1057.8	1063.1	1060.4	1026.0	994.3	991.7	994.3	996.9	994.3	991.7
22.5°	1105.4	1100.1	1092.1	1081.6	1020.7	991.7	986.4	973.1	959.9	959.9	952.0
25°	1145.0	1139.7	1118.6	1086.9	1018.1	975.8	949.3	917.6	901.7	893.8	904.4
27.5°	1182.1	1171.5	1142.4	1086.9	994.3	933.5	883.2	843.6	830.3	819.8	830.3
30°	1232.3	1213.8	1174.1	1078.9	957.3	867.4	798.6	751.0	737.8	721.9	727.2
32.5°	1277.3	1234.9	1200.6	1055.1	909.7	793.3	714.0	666.4	642.6	629.4	640.0
35°	1324.9	1282.5	1211.1	1018.1	835.6	703.4	624.1	579.1	560.6	542.1	542.1
37.5°	1372.5	1348.7	1227.0	949.3	745.7	618.8	547.4	513.0	481.3	446.9	446.9
40°	1472.9	1441.2	1245.5	870.0	655.8	536.8	486.6	441.6	409.9	362.3	359.6
42.5°	1578.7	1510.0	1245.5	774.8	576.5	478.6	431.0	383.4	325.3	296.2	298.8
45°	1713.6	1634.3	1211.1	690.2	497.2	431.0	378.2	317.3	290.9	272.4	272.4
47.5°	1882.8	1758.5	1168.8	597.6	433.7	388.7	322.6	285.6	267.1	251.2	248.6
50°	2083.8	1872.3	1115.9	518.3	380.8	349.1	293.5	264.4	248.6	238.0	238.0
52.5°	2295.4	2038.9	1078.9	446.9	338.5	296.2	272.4	253.9	240.6	232.7	230.1
55°	2509.6	2205.5	1052.5	370.2	298.8	272.4	267.1	251.2	245.9	238.0	232.7
57.5°	2750.2	2343.0	1047.2	317.3	267.1	261.8	272.4	259.2	251.2	243.3	235.4
60°	3009.4	2528.1	999.6	275.0	251.2	256.5	264.4	251.2	245.9	238.0	232.7
62.5°	3265.9	2665.6	870.0	243.3	235.4	240.6	251.2	240.6	232.7	235.4	238.0
65°	3371.6	2676.2	674.3	219.5	216.8	219.5	235.4	232.7	224.8	240.6	240.6
67.5°	3265.9	2581.0	476.0	198.3	198.3	211.6	238.0	243.3	235.4	256.5	253.9
70°	3025.2	2345.6	322.6	185.1	190.4	224.8	245.9	240.6	230.1	256.5	251.2
72.5°	2567.7	1877.5	235.4	171.9	179.8	214.2	243.3	238.0	230.1	240.6	230.1
75°	1927.8	1335.4	185.1	156.0	158.7	193.0	251.2	238.0	216.8	211.6	203.6
77.5°	1287.8	825.1	142.8	137.5	137.5	169.2	240.6	222.1	195.7	187.8	185.1
80°	613.5	330.6	113.7	116.4	119.0	145.4	219.5	198.3	177.2	166.6	166.6
82.5°	195.7	124.3	95.2	95.2	95.2	119.0	182.5	166.6	153.4	145.4	132.2
85°	68.8	68.8	82.0	84.6	76.7	87.3	150.7	142.8	126.9	105.8	103.1
87.5°	26.4	39.7	55.5	66.1	47.6	60.8	108.4	100.5	92.6	68.8	66.1
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)