

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: P672898

Luminaire Tested: **CCP-SA-1C-840-U-RW**

Issue Date: 04/16/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P672898  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 04/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCP-SA-1C-840-U-RW  
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @615mA w/ RW distribution lens  
Light Source: (16) 4000K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

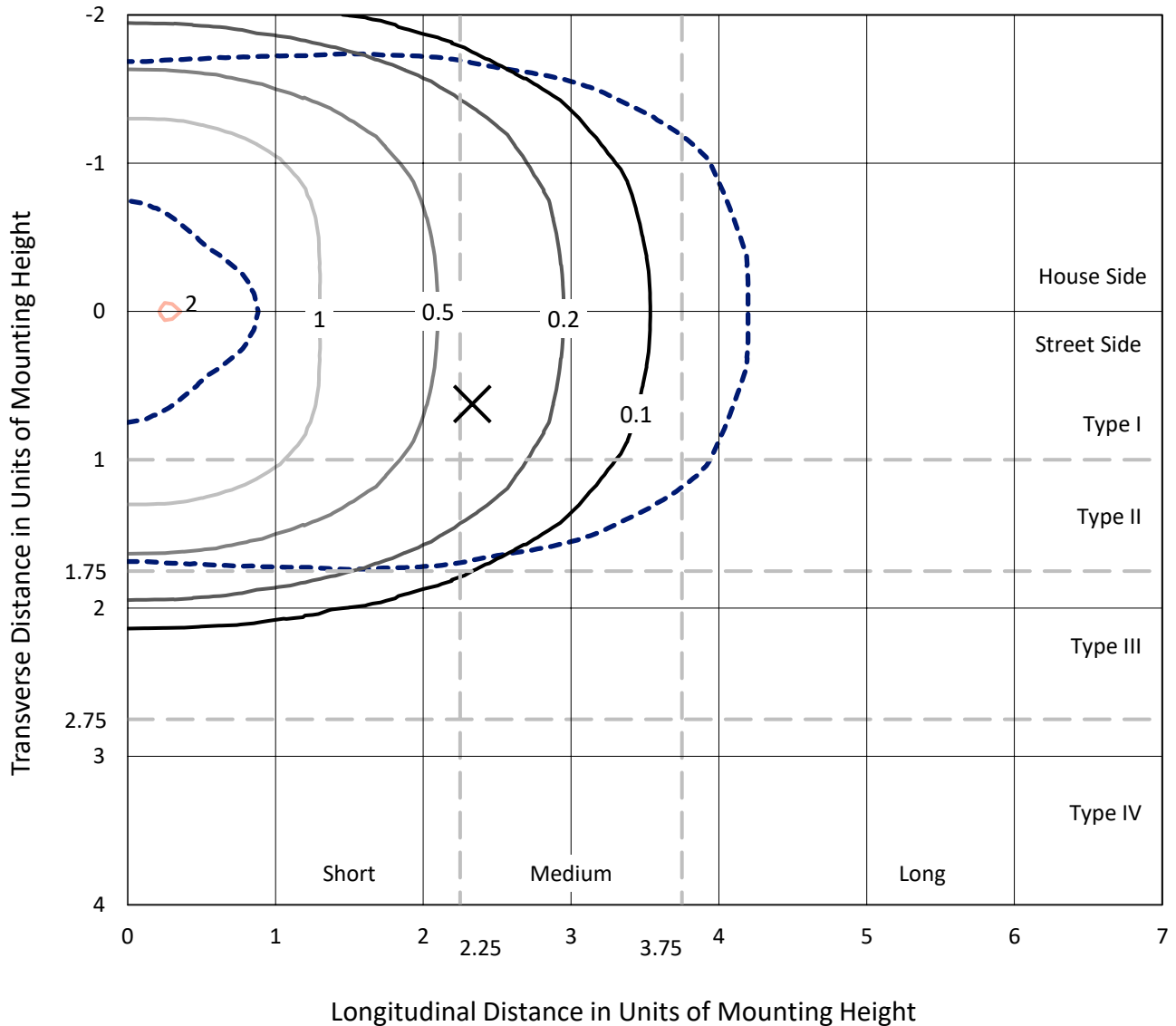
Lumens per Lamp: N/A  
Luminaire Lumens: 3921.3 lumens  
Efficiency: N/A  
Efficacy: 122.5 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B2 - U0 - G2

Input Watts (W): 32  
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

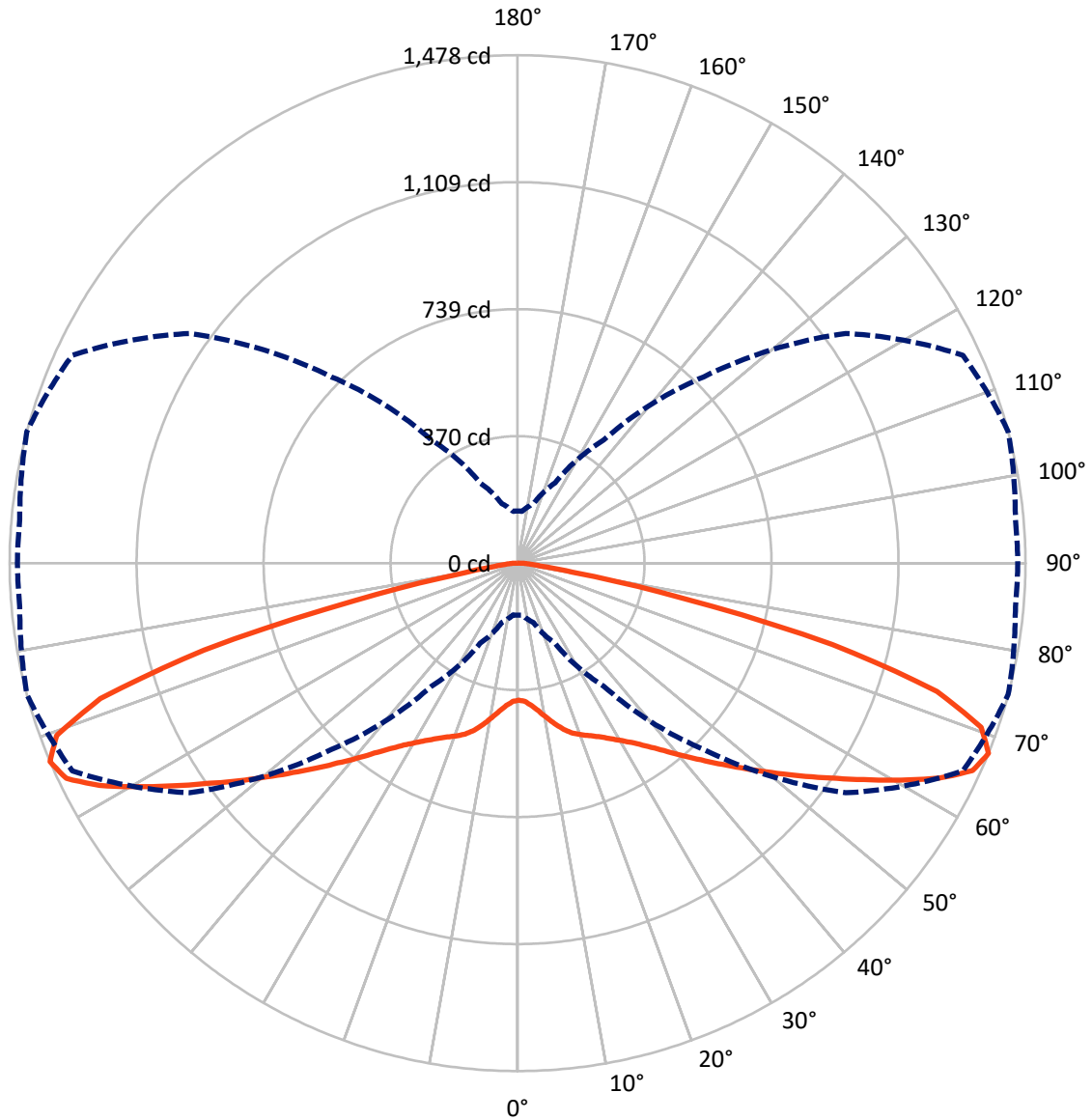
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 2 fc  
 Type II - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral      - - - Horizontal Cone Through 67.5-Deg Vertical

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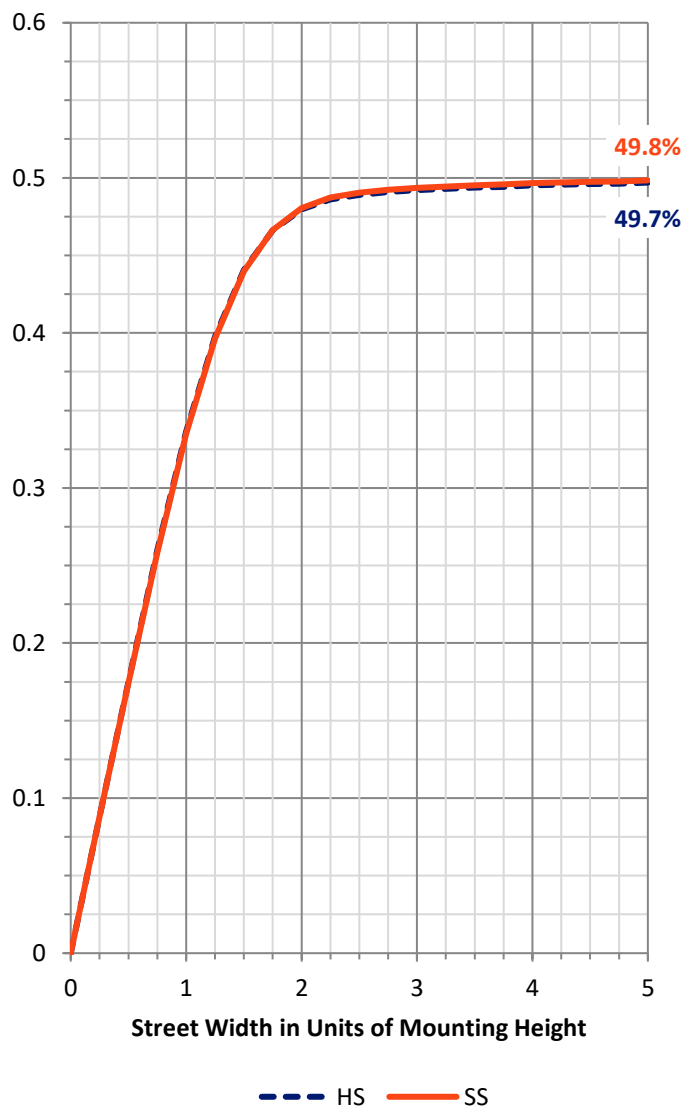
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1960.6	0.0	1960.6
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	1960.6	0.0	1960.6
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	3921.3	0.0	3921.3
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	39.5	1.0
10°-20°	133.0	3.4
20°-30°	259.7	6.6
30°-40°	448.1	11.4
40°-50°	725.8	18.5
50°-60°	987.1	25.2
60°-70°	910.6	23.2
70°-80°	381.0	9.7
80°-90°	36.4	0.9
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°	3921.3	100.0
0°-180°	3921.3	100.0



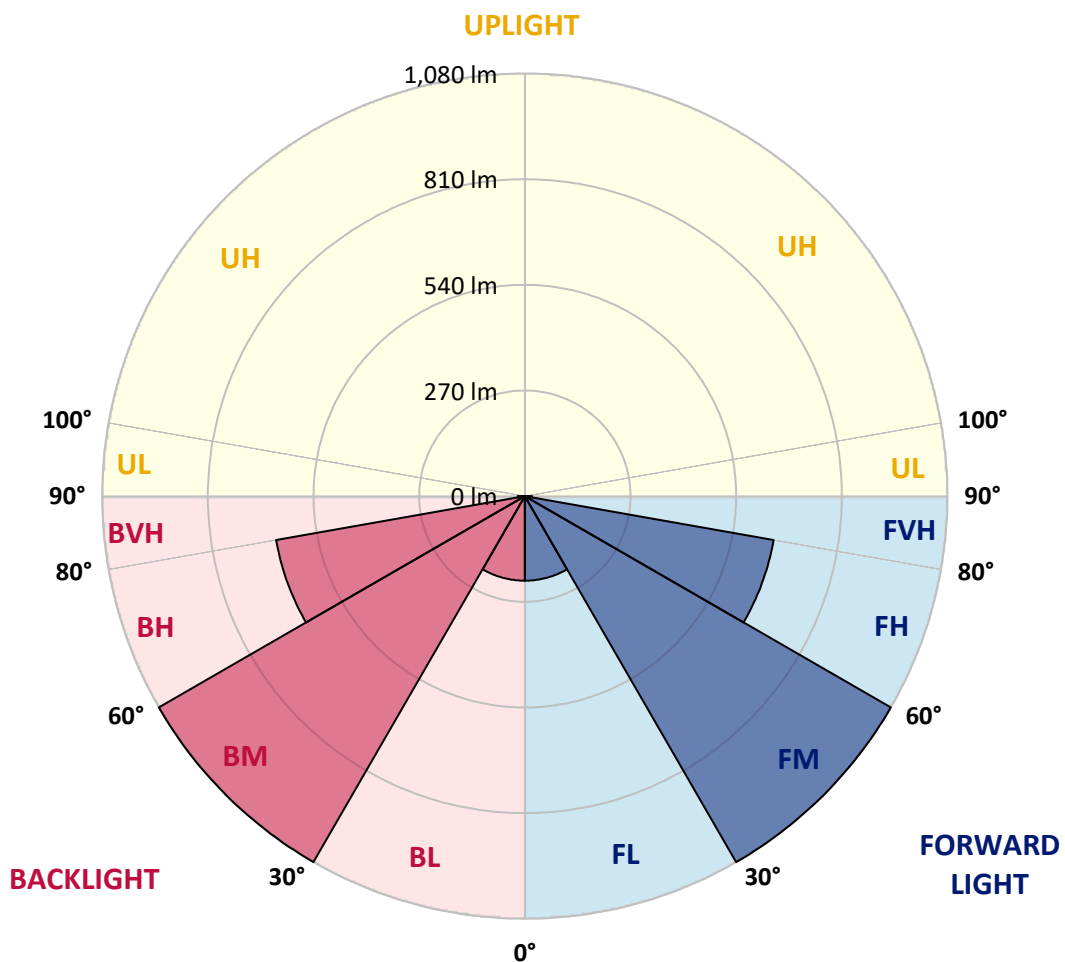
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	216.1	5.5			
FM (30°-60°)	1080.5	27.6			
FH (60°-80°)	645.8	16.5			G0/660
FVH (80°-90°)	18.2	0.5			G1/100
BL (0°-30°)	216.1	5.5	B1/500		
BM (30°-60°)	1080.5	27.6	B2/2500		
BH (60°-80°)	645.8	16.5	B2/1000		G2/1000
BVH (80°-90°)	18.2	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G2**

Type II Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	398.9	398.9	398.9	398.9	398.9	398.9	398.9	398.9	398.9	398.9	398.9
2.5°	396.4	396.4	397.5	398.9	399.5	400.6	400.9	400.9	402.6	402.3	402.6
5°	395.3	395.3	397.2	399.8	402.6	406.0	409.4	411.3	415.6	416.4	416.7
7.5°	396.4	396.7	399.5	403.7	408.5	414.7	421.2	426.6	433.6	436.1	437.8
10°	400.6	400.9	404.6	410.5	417.8	426.8	436.1	444.6	455.9	461.0	461.8
12.5°	407.1	407.4	412.7	422.3	432.8	444.0	454.5	465.2	479.3	486.9	488.6
15°	417.0	416.1	424.6	438.7	453.3	467.4	476.7	487.2	502.1	512.0	514.5
17.5°	430.5	431.1	441.5	459.5	477.6	492.0	501.3	507.2	520.2	530.3	532.8
20°	447.4	450.0	463.2	484.1	505.2	520.4	526.9	526.1	533.4	542.2	544.1
22.5°	471.4	473.1	489.1	512.5	536.8	552.6	555.1	545.8	545.5	551.2	553.7
25°	499.6	501.0	517.9	545.0	570.6	587.3	584.7	568.7	560.2	560.5	562.2
27.5°	532.6	535.4	552.9	580.5	607.0	622.2	618.6	595.2	578.5	573.4	572.3
30°	575.4	578.5	596.3	622.8	646.2	659.7	654.1	624.5	599.7	591.2	589.5
32.5°	631.2	631.0	649.3	674.9	691.3	700.0	689.0	655.5	624.2	612.9	610.7
35°	688.8	691.6	709.6	734.4	746.8	747.4	729.9	692.1	654.9	635.5	631.2
37.5°	753.6	755.0	775.9	799.3	807.4	802.9	777.0	735.0	692.1	671.6	664.2
40°	820.1	821.5	845.8	868.3	877.4	866.7	832.5	782.4	736.1	713.6	709.3
42.5°	881.9	885.5	912.6	939.1	947.8	935.4	894.3	834.2	782.6	760.9	755.3
45°	933.2	937.1	967.6	1001.4	1016.9	1006.8	960.3	892.6	836.2	812.8	803.2
47.5°	971.8	976.9	1009.3	1049.9	1080.1	1078.1	1030.5	954.3	893.7	866.1	857.3
50°	998.3	1003.7	1038.6	1082.3	1127.7	1142.9	1101.8	1022.6	957.7	926.7	920.8
52.5°	1000.3	1005.1	1045.1	1099.5	1160.1	1193.7	1172.0	1094.5	1028.2	996.1	991.8
55°	956.3	959.7	1013.0	1085.4	1173.4	1232.6	1236.0	1172.8	1103.5	1071.1	1069.1
57.5°	855.4	860.2	923.9	1019.7	1151.4	1257.7	1291.5	1254.9	1188.6	1158.2	1156.5
60°	691.0	697.2	770.0	897.4	1071.9	1251.2	1338.6	1331.8	1281.7	1252.1	1250.9
62.5°	487.5	489.7	565.6	706.0	916.3	1182.4	1361.4	1406.8	1378.1	1348.2	1349.9
65°	286.4	289.5	345.1	471.4	695.0	1024.3	1322.0	1459.0	1455.3	1428.0	1430.8
67.5°	151.4	151.4	179.3	257.7	437.0	766.8	1164.9	1430.2	1478.2	1454.2	1455.6
70°	104.6	104.3	109.4	129.4	211.2	475.3	871.4	1279.7	1431.6	1422.6	1426.3
72.5°	88.5	88.0	88.2	91.1	107.4	214.8	529.2	985.6	1276.3	1290.1	1293.2
75°	77.5	76.7	76.1	75.6	77.0	97.5	241.3	608.1	946.2	1033.0	1031.3
77.5°	66.8	66.3	65.7	63.7	61.5	64.0	98.7	273.5	486.6	574.3	568.1
80°	55.0	55.0	55.8	53.0	48.8	47.1	58.9	102.1	161.5	168.6	155.1
82.5°	43.1	43.1	47.4	43.4	38.3	34.1	40.9	54.4	65.7	53.3	43.4
85°	30.4	30.7	39.5	36.1	29.6	19.7	25.4	32.4	36.9	23.4	18.3
87.5°	12.4	13.3	24.5	19.5	18.6	9.9	11.8	14.4	18.3	9.9	7.9
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)