

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: P672407

Luminaire Tested: **CCP-SA-2D-740-U-5WQ**

Issue Date: 04/16/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P672407  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 04/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCP-SA-2D-740-U-5WQ  
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @800mA w/ 5WQ distribution lens  
Light Source: (32) 4000K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

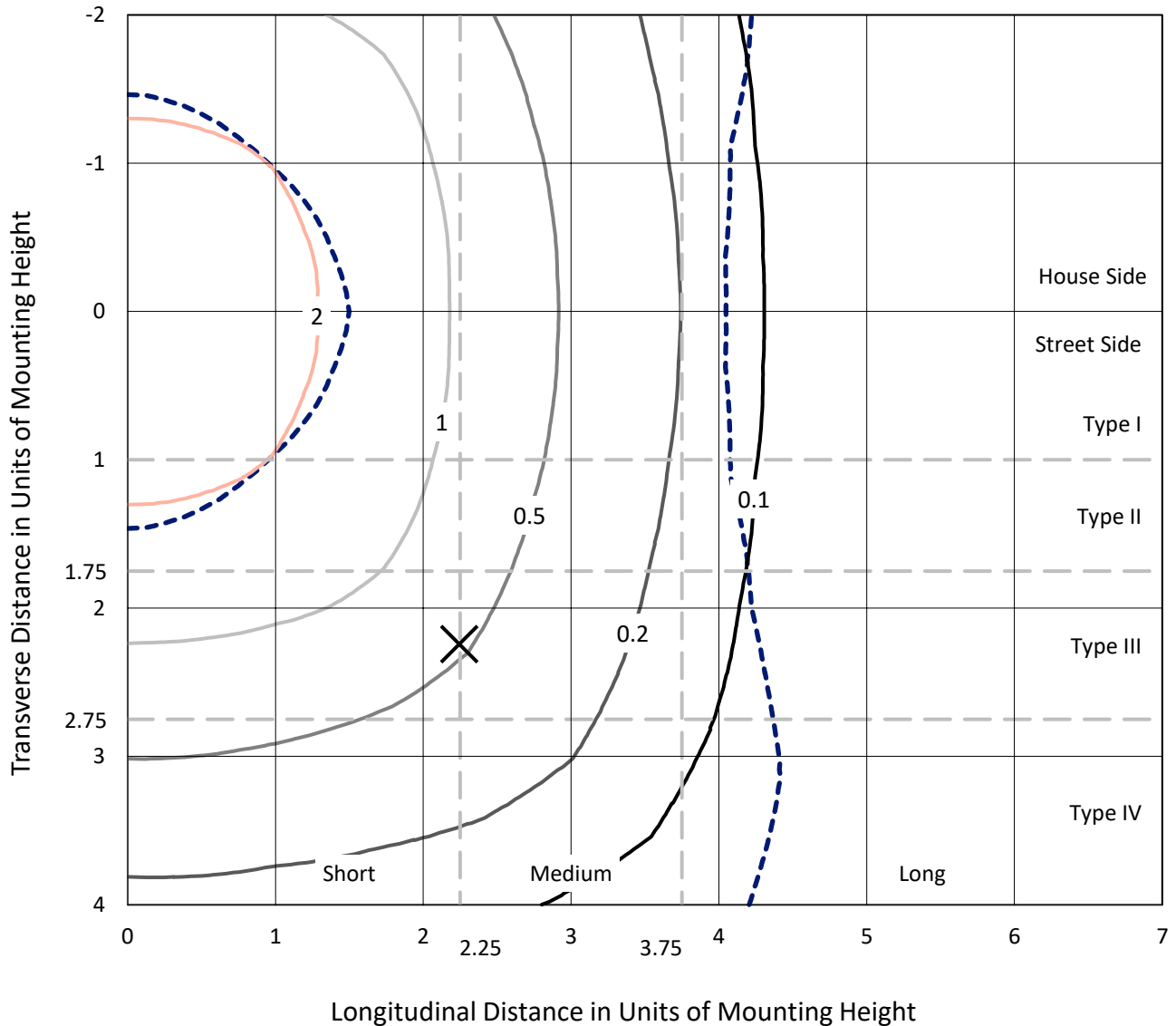
Lumens per Lamp: N/A  
Luminaire Lumens: 11689.3 lumens  
Efficiency: N/A  
Efficacy: 144.7 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G2

Input Watts (W): 80.8  
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

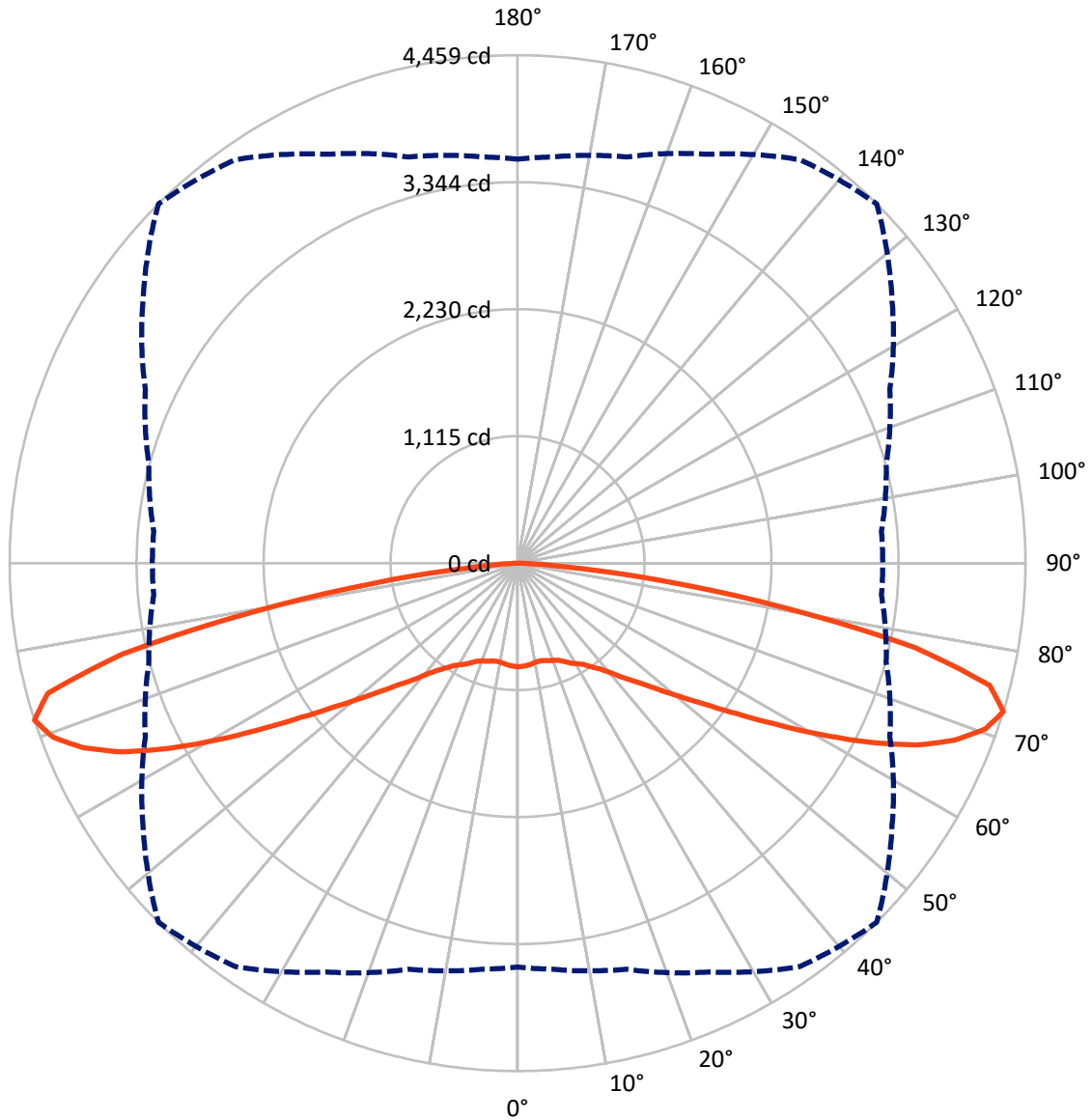
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 4 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 72.5-Deg Vertical

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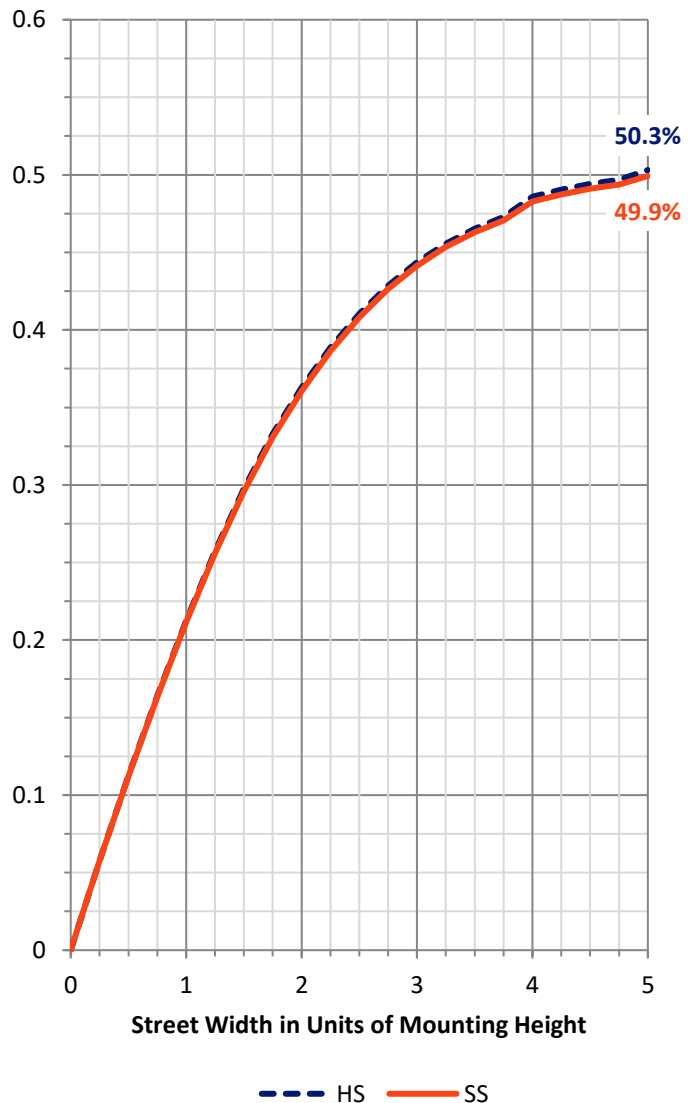
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	5844.6	0.0	5844.6
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	5844.6	0.0	5844.6
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	11689.3	0.0	11689.3
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	85.5	0.7
10°-20°	253.9	2.2
20°-30°	446.0	3.8
30°-40°	711.5	6.1
40°-50°	1189.8	10.2
50°-60°	2036.0	17.4
60°-70°	3361.1	28.8
70°-80°	3221.4	27.6
80°-90°	384.2	3.3
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°	11689.3	100.0
0°-180°	11689.3	100.0



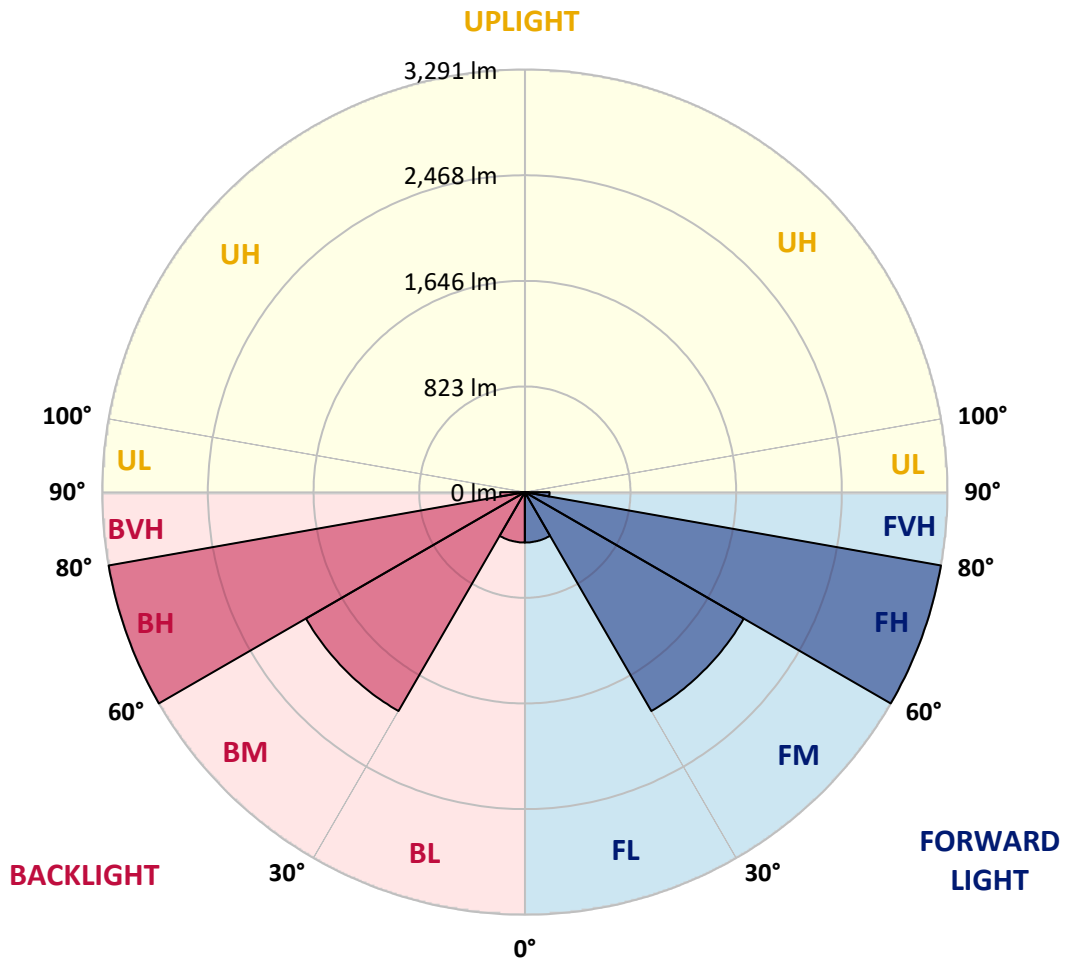
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	392.7	3.4			
FM (30°-60°)	1968.6	16.8			
FH (60°-80°)	3291.2	28.2			G2/5000
FVH (80°-90°)	192.1	1.6			G2/225
BL (0°-30°)	392.7	3.4	B1/500		
BM (30°-60°)	1968.6	16.8	B2/2500		
BH (60°-80°)	3291.2	28.2	B4/5000		G2/5000
BVH (80°-90°)	192.1	1.6			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G2**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	910.3	910.3	910.3	910.3	910.3	910.3	910.3	910.3	910.3	910.3	910.3
2.5°	904.6	904.6	907.0	907.8	907.0	906.2	905.4	904.6	907.0	906.2	907.0
5°	902.1	902.1	902.9	903.7	902.1	901.3	899.7	898.8	900.5	900.5	902.1
7.5°	895.6	894.8	895.6	896.4	893.9	893.1	890.7	890.7	890.7	889.9	891.5
10°	889.9	888.2	888.2	886.6	882.5	883.3	880.1	882.5	886.6	887.4	888.2
12.5°	892.3	890.7	889.1	885.0	879.3	880.1	879.3	881.7	887.4	890.7	893.1
15°	903.7	902.1	898.0	890.7	887.4	887.4	885.8	886.6	894.8	899.7	902.1
17.5°	916.0	912.7	905.4	900.5	897.2	899.7	893.9	893.1	899.7	907.0	909.4
20°	925.8	923.3	914.3	908.6	908.6	911.1	905.4	902.1	909.4	918.4	920.9
22.5°	942.9	941.3	932.3	926.6	926.6	927.4	924.1	921.7	929.8	938.8	941.3
25°	967.4	967.4	958.4	955.9	955.1	956.8	952.7	950.2	957.6	964.1	966.5
27.5°	995.9	993.5	986.1	984.5	987.7	993.5	986.1	979.6	985.3	991.0	991.8
30°	1026.1	1026.1	1019.6	1019.6	1022.0	1024.5	1017.9	1011.4	1017.1	1023.6	1024.5
32.5°	1068.5	1066.1	1063.6	1064.4	1063.6	1060.3	1057.1	1056.3	1061.2	1065.2	1066.9
35°	1120.7	1119.9	1116.6	1118.3	1118.3	1118.3	1108.5	1105.2	1113.4	1116.6	1115.0
37.5°	1201.4	1200.6	1192.5	1187.6	1181.9	1179.4	1167.2	1166.4	1186.0	1195.7	1194.1
40°	1300.1	1296.9	1289.5	1281.4	1274.0	1269.1	1256.9	1265.9	1286.3	1293.6	1293.6
42.5°	1407.8	1403.7	1395.6	1391.5	1386.6	1381.7	1365.4	1369.5	1393.9	1401.3	1393.1
45°	1539.9	1534.2	1525.3	1516.3	1508.9	1499.2	1491.0	1495.1	1521.2	1530.2	1523.6
47.5°	1680.2	1678.6	1671.3	1663.9	1657.4	1650.9	1640.3	1647.6	1670.4	1668.8	1655.8
50°	1828.7	1831.9	1832.8	1840.1	1835.2	1836.0	1816.4	1812.4	1830.3	1819.7	1803.4
52.5°	1988.5	1993.4	2010.6	2025.3	2052.2	2055.4	2031.0	2004.9	2001.6	1973.9	1956.7
55°	2173.7	2172.9	2210.4	2251.2	2310.7	2329.5	2274.8	2225.9	2199.0	2145.2	2127.2
57.5°	2383.3	2380.9	2438.0	2509.7	2617.4	2663.9	2563.6	2470.6	2405.3	2340.9	2322.1
60°	2610.9	2616.6	2685.9	2802.6	2988.5	3053.0	2901.3	2747.1	2647.6	2563.6	2556.2
62.5°	2876.8	2877.6	2959.2	3117.4	3358.8	3462.4	3253.6	3044.8	2918.4	2826.2	2806.6
65°	3190.8	3196.5	3283.8	3443.7	3721.0	3849.0	3608.4	3353.9	3204.7	3079.9	3077.4
67.5°	3513.0	3509.7	3589.7	3759.3	4026.8	4145.1	3893.1	3609.2	3415.1	3259.3	3238.9
70°	3719.4	3737.3	3823.8	3986.1	4242.2	4357.2	4050.5	3707.9	3504.8	3362.1	3352.3
72.5°	3545.6	3579.1	3690.8	3960.0	4322.9	4459.1	4013.0	3606.0	3349.9	3206.3	3206.3
75°	2878.4	2933.9	3089.7	3504.0	4044.0	4279.7	3715.3	3155.7	2783.0	2629.6	2629.6
77.5°	1753.6	1806.7	2017.1	2522.8	3265.9	3567.6	3028.5	2376.8	1945.3	1757.7	1733.2
80°	583.2	617.4	823.8	1282.2	2004.9	2374.3	2029.3	1349.9	871.1	663.9	660.7
82.5°	155.0	168.8	234.9	371.9	870.3	1286.3	928.2	445.3	255.3	198.2	182.7
85°	53.8	57.9	99.5	124.0	221.0	425.8	258.6	161.5	124.0	75.0	70.1
87.5°	15.5	17.1	40.0	43.2	63.6	49.8	70.1	64.4	58.7	24.5	22.0
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)