

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: P672419

Luminaire Tested: **CCP-SA-2E-750-U-5WQ**

Issue Date: 04/16/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P672419  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 04/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCP-SA-2E-750-U-5WQ  
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @1050mA w/ 5WQ distribution lens  
Light Source: (32) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

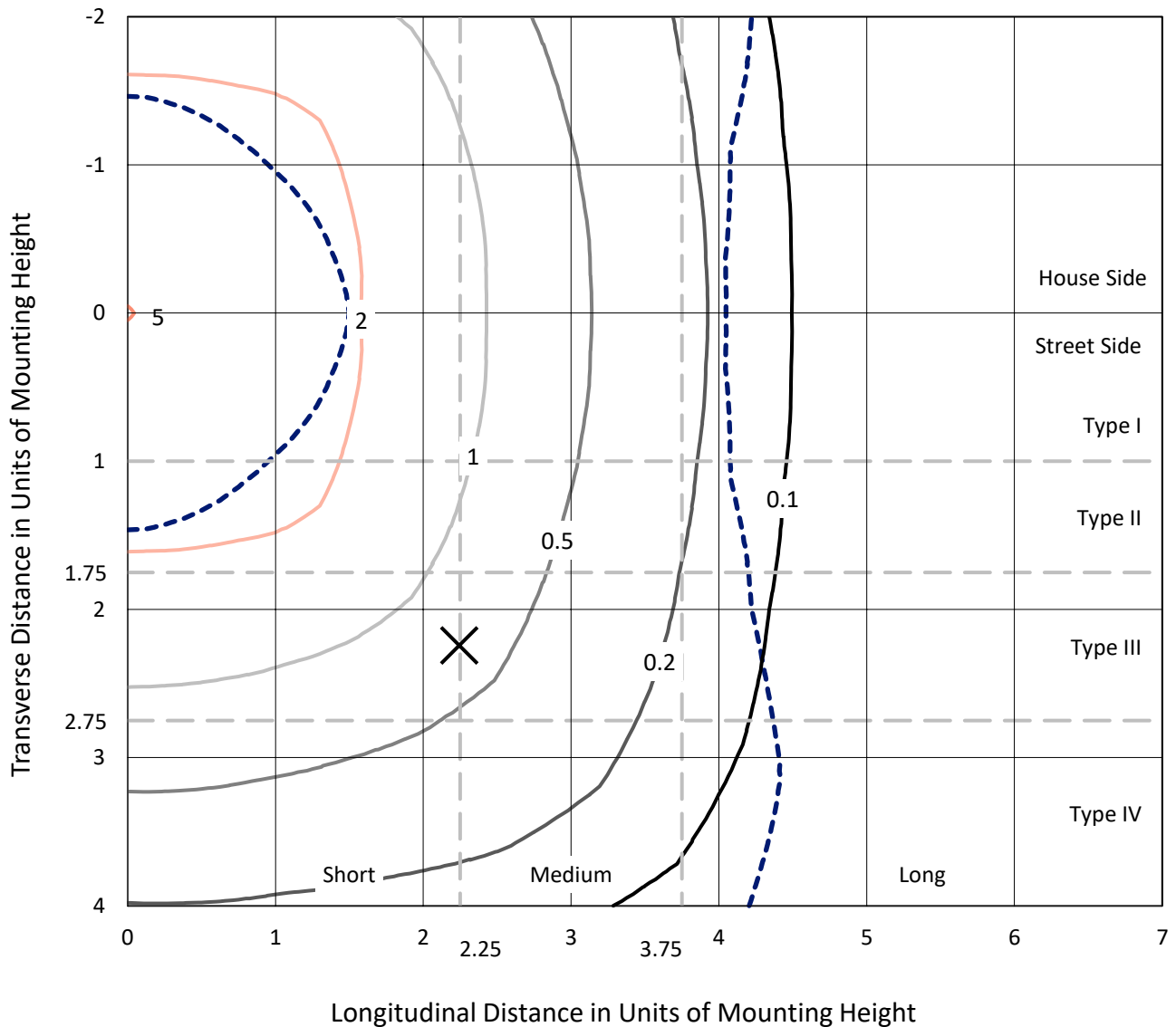
Lumens per Lamp: N/A  
Luminaire Lumens: 14659 lumens  
Efficiency: N/A  
Efficacy: 137.5 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G3

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

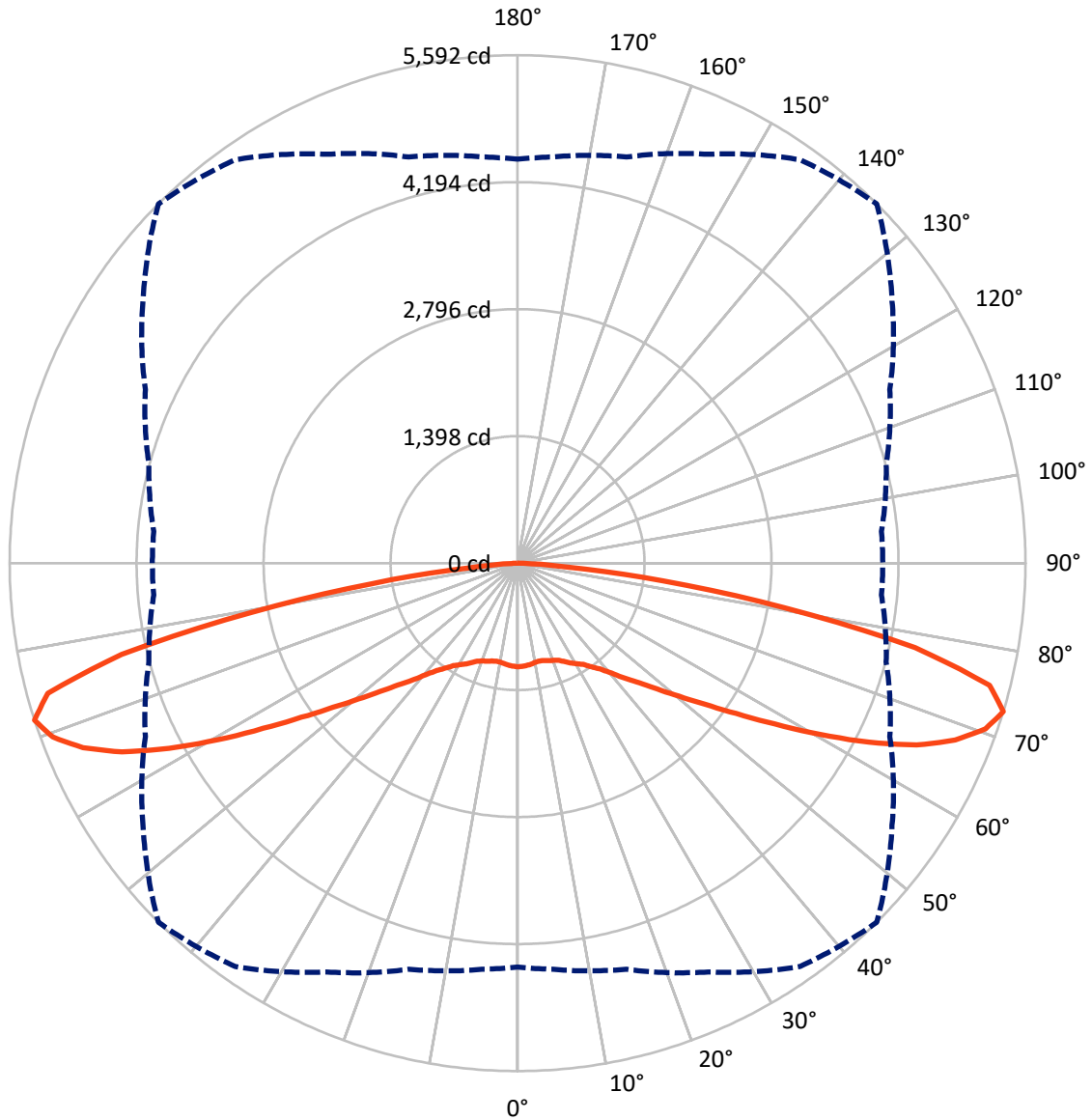
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 5.1 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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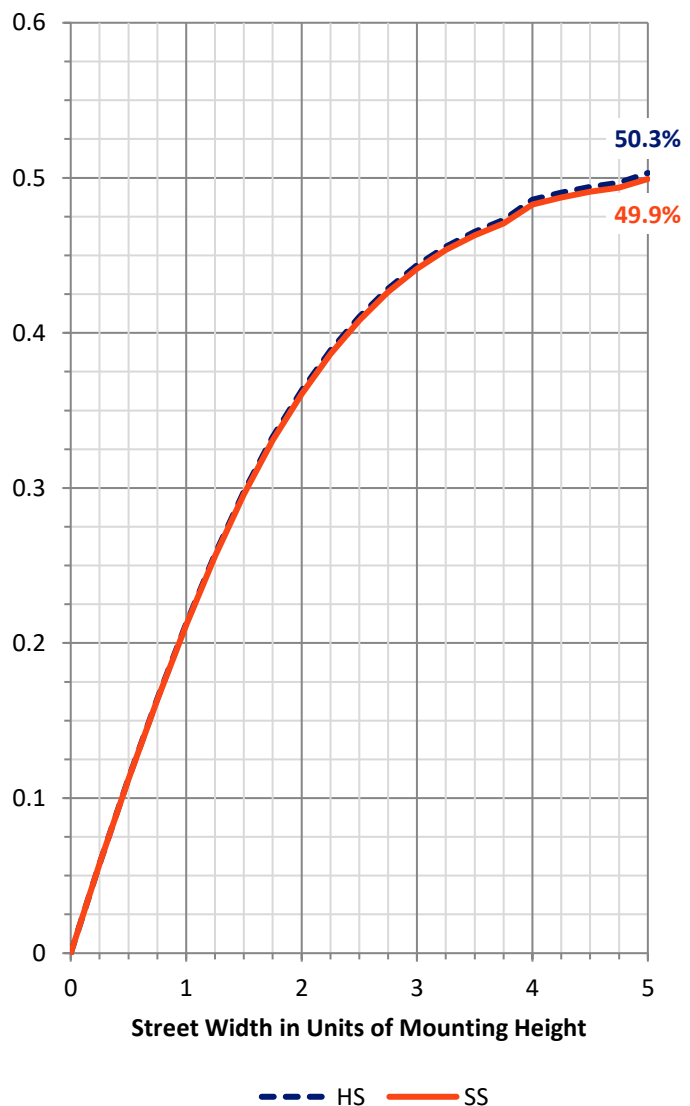
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	7329.5	0.0	7329.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	7329.5	0.0	7329.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	14659.0	0.0	14659.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	107.2	0.7
10°-20°	318.4	2.2
20°-30°	559.3	3.8
30°-40°	892.3	6.1
40°-50°	1492.0	10.2
50°-60°	2553.2	17.4
60°-70°	4215.0	28.8
70°-80°	4039.8	27.6
80°-90°	481.8	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°	14659.0	100.0
0°-180°	14659.0	100.0



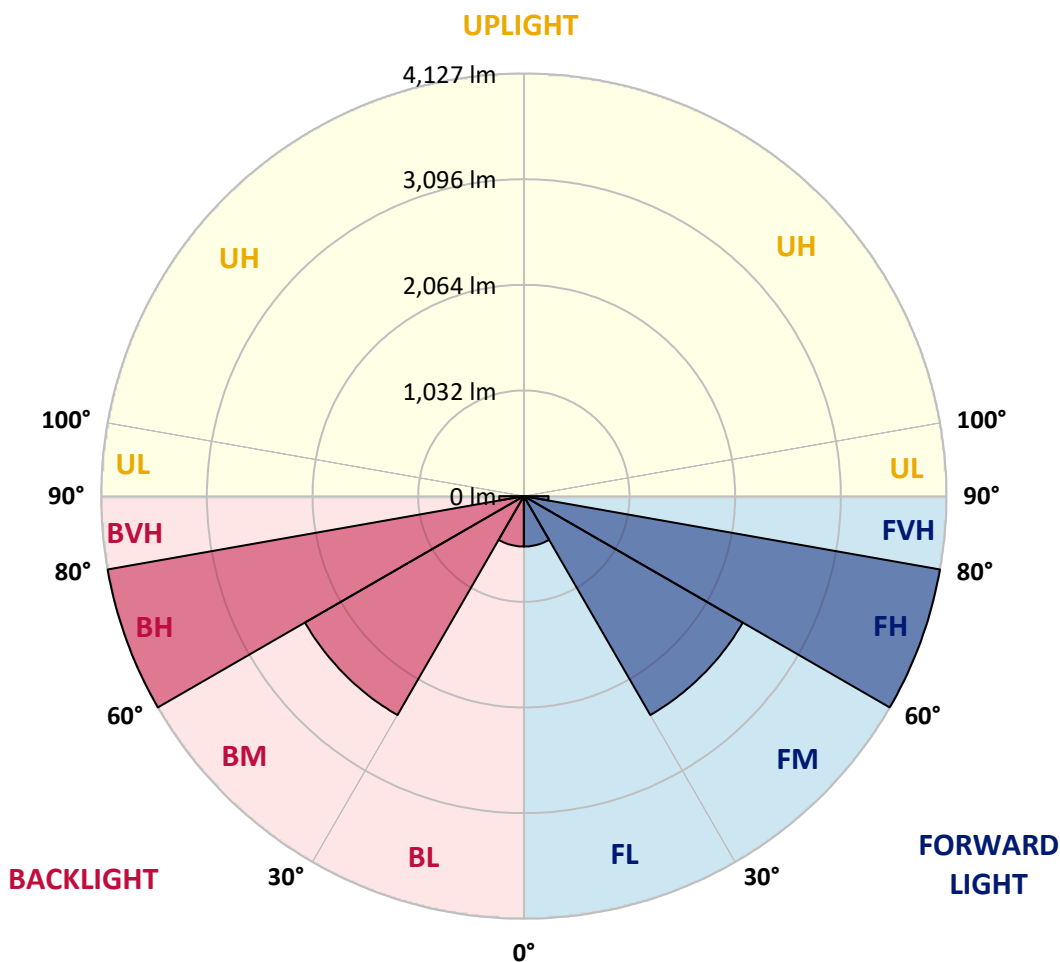
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	492.4	3.4			
FM (30°-60°)	2468.8	16.8			
FH (60°-80°)	4127.4	28.2			G2/5000
FVH (80°-90°)	240.9	1.6			G3/500
BL (0°-30°)	492.4	3.4	B1/500		
BM (30°-60°)	2468.8	16.8	B2/2500		
BH (60°-80°)	4127.4	28.2	B4/5000		G2/5000
BVH (80°-90°)	240.9	1.6			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G3**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1141.5	1141.5	1141.5	1141.5	1141.5	1141.5	1141.5	1141.5	1141.5	1141.5	1141.5
2.5°	1134.4	1134.4	1137.4	1138.4	1137.4	1136.4	1135.4	1134.4	1137.4	1136.4	1137.4
5°	1131.3	1131.3	1132.3	1133.3	1131.3	1130.3	1128.2	1127.2	1129.2	1129.2	1131.3
7.5°	1123.1	1122.1	1123.1	1124.1	1121.1	1120.0	1117.0	1117.0	1117.0	1115.9	1118.0
10°	1115.9	1113.9	1113.9	1111.9	1106.7	1107.8	1103.7	1106.7	1111.9	1112.9	1113.9
12.5°	1119.0	1117.0	1114.9	1109.8	1102.6	1103.7	1102.6	1105.7	1112.9	1117.0	1120.0
15°	1133.3	1131.3	1126.2	1117.0	1112.9	1112.9	1110.8	1111.9	1122.1	1128.2	1131.3
17.5°	1148.7	1144.6	1135.4	1129.2	1125.2	1128.2	1121.1	1120.0	1128.2	1137.4	1140.5
20°	1161.0	1157.9	1146.6	1139.5	1139.5	1142.5	1135.4	1131.3	1140.5	1151.7	1154.8
22.5°	1182.4	1180.4	1169.1	1162.0	1162.0	1163.0	1158.9	1155.8	1166.1	1177.3	1180.4
25°	1213.1	1213.1	1201.9	1198.8	1197.8	1199.8	1194.7	1191.6	1200.8	1209.0	1212.1
27.5°	1248.9	1245.8	1236.6	1234.6	1238.7	1245.8	1236.6	1228.5	1235.6	1242.8	1243.8
30°	1286.8	1286.8	1278.6	1278.6	1281.6	1284.7	1276.5	1268.4	1275.5	1283.7	1284.7
32.5°	1340.0	1336.9	1333.8	1334.8	1333.8	1329.7	1325.6	1324.6	1330.7	1335.9	1337.9
35°	1405.4	1404.4	1400.3	1402.3	1402.3	1402.3	1390.1	1386.0	1396.2	1400.3	1398.3
37.5°	1506.7	1505.7	1495.4	1489.3	1482.1	1479.1	1463.7	1462.7	1487.2	1499.5	1497.5
40°	1630.4	1626.4	1617.1	1606.9	1597.7	1591.6	1576.2	1587.5	1613.1	1622.3	1622.3
42.5°	1765.5	1760.3	1750.1	1745.0	1738.9	1732.7	1712.3	1717.4	1748.1	1757.3	1747.1
45°	1931.2	1924.0	1912.8	1901.5	1892.3	1880.0	1869.8	1874.9	1907.6	1918.9	1910.7
47.5°	2107.1	2105.1	2095.8	2086.6	2078.5	2070.3	2057.0	2066.2	2094.8	2092.8	2076.4
50°	2293.3	2297.4	2298.4	2307.6	2301.4	2302.5	2277.9	2272.8	2295.3	2282.0	2261.6
52.5°	2493.7	2499.9	2521.4	2539.8	2573.5	2577.6	2546.9	2514.2	2510.1	2475.3	2453.9
55°	2725.9	2724.9	2772.0	2823.1	2897.8	2921.3	2852.8	2791.4	2757.6	2690.1	2667.6
57.5°	2988.8	2985.7	3057.3	3147.4	3282.4	3340.7	3214.9	3098.3	3016.4	2935.6	2912.1
60°	3274.2	3281.3	3368.3	3514.6	3747.8	3828.6	3638.3	3445.0	3320.2	3214.9	3205.7
62.5°	3607.6	3608.7	3711.0	3909.4	4212.2	4342.1	4080.2	3818.4	3659.8	3544.2	3519.7
65°	4001.4	4008.6	4118.1	4318.5	4666.3	4826.9	4525.2	4206.0	4018.8	3862.3	3859.3
67.5°	4405.5	4401.4	4501.6	4714.4	5049.9	5198.2	4882.1	4526.2	4282.7	4087.4	4061.8
70°	4664.3	4686.8	4795.2	4998.7	5319.9	5464.1	5079.5	4649.9	4395.2	4216.2	4204.0
72.5°	4446.4	4488.3	4628.5	4966.0	5421.2	5592.0	5032.5	4522.1	4200.9	4020.9	4020.9
75°	3609.7	3679.2	3874.6	4394.2	5071.4	5367.0	4659.1	3957.5	3490.0	3297.7	3297.7
77.5°	2199.2	2265.6	2529.5	3163.7	4095.5	4474.0	3797.9	2980.6	2439.5	2204.3	2173.6
80°	731.3	774.3	1033.1	1607.9	2514.2	2977.6	2544.9	1692.8	1092.4	832.6	828.5
82.5°	194.3	211.7	294.6	466.4	1091.4	1613.1	1164.0	558.5	320.2	248.6	229.1
85°	67.5	72.6	124.8	155.5	277.2	533.9	324.2	202.5	155.5	94.1	88.0
87.5°	19.4	21.5	50.1	54.2	79.8	62.4	88.0	80.8	73.6	30.7	27.6
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)