

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: P672881

Luminaire Tested: **CCP-SA-2B-830-U-RW**

Issue Date: 04/16/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P672881  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 04/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCP-SA-2B-830-U-RW  
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @450mA w/ RW distribution lens  
Light Source: (32) 3000K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

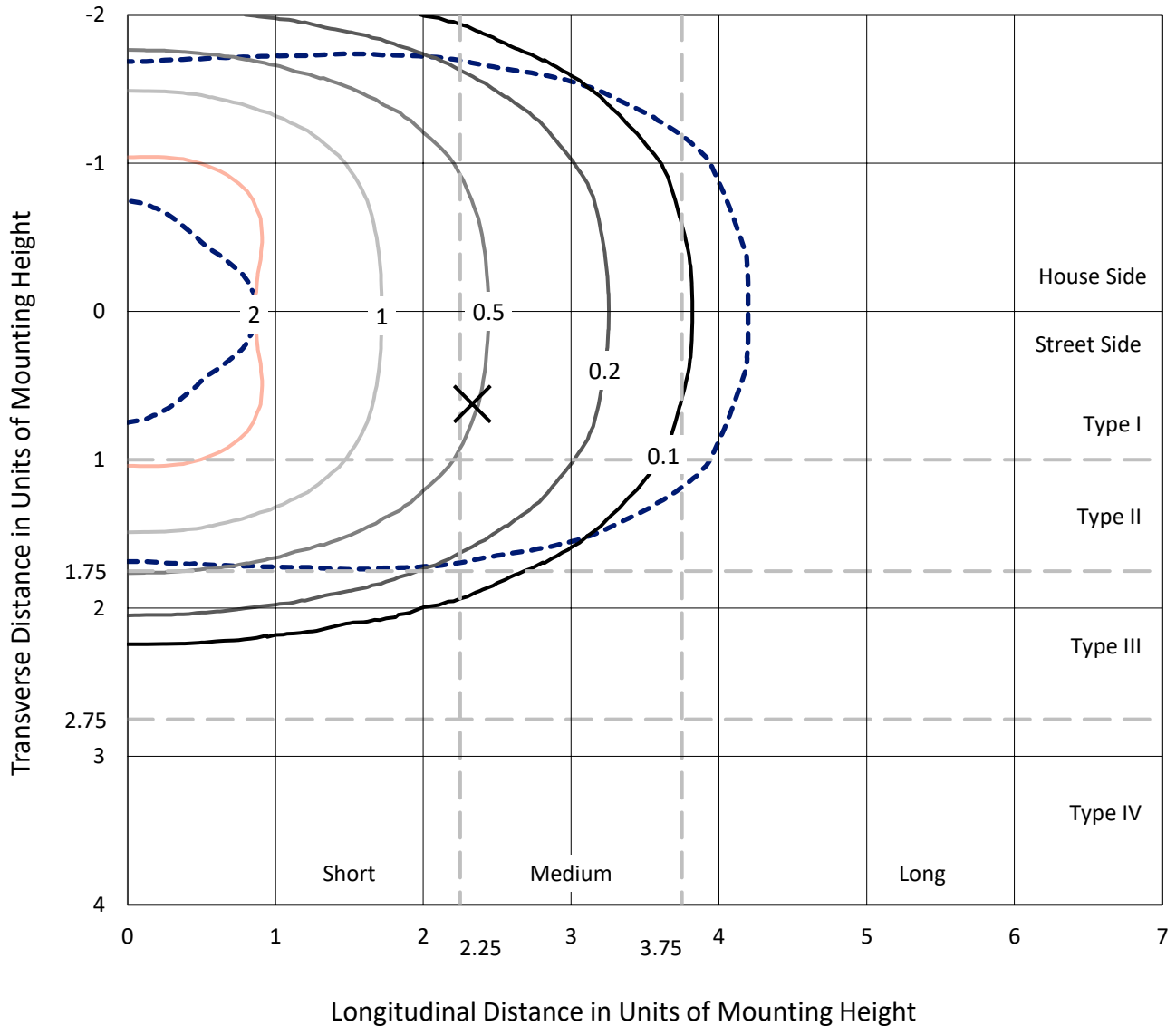
Lumens per Lamp: N/A  
Luminaire Lumens: 5582.3 lumens  
Efficiency: N/A  
Efficacy: 121.4 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B2 - U0 - G2

Input Watts (W): 46  
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

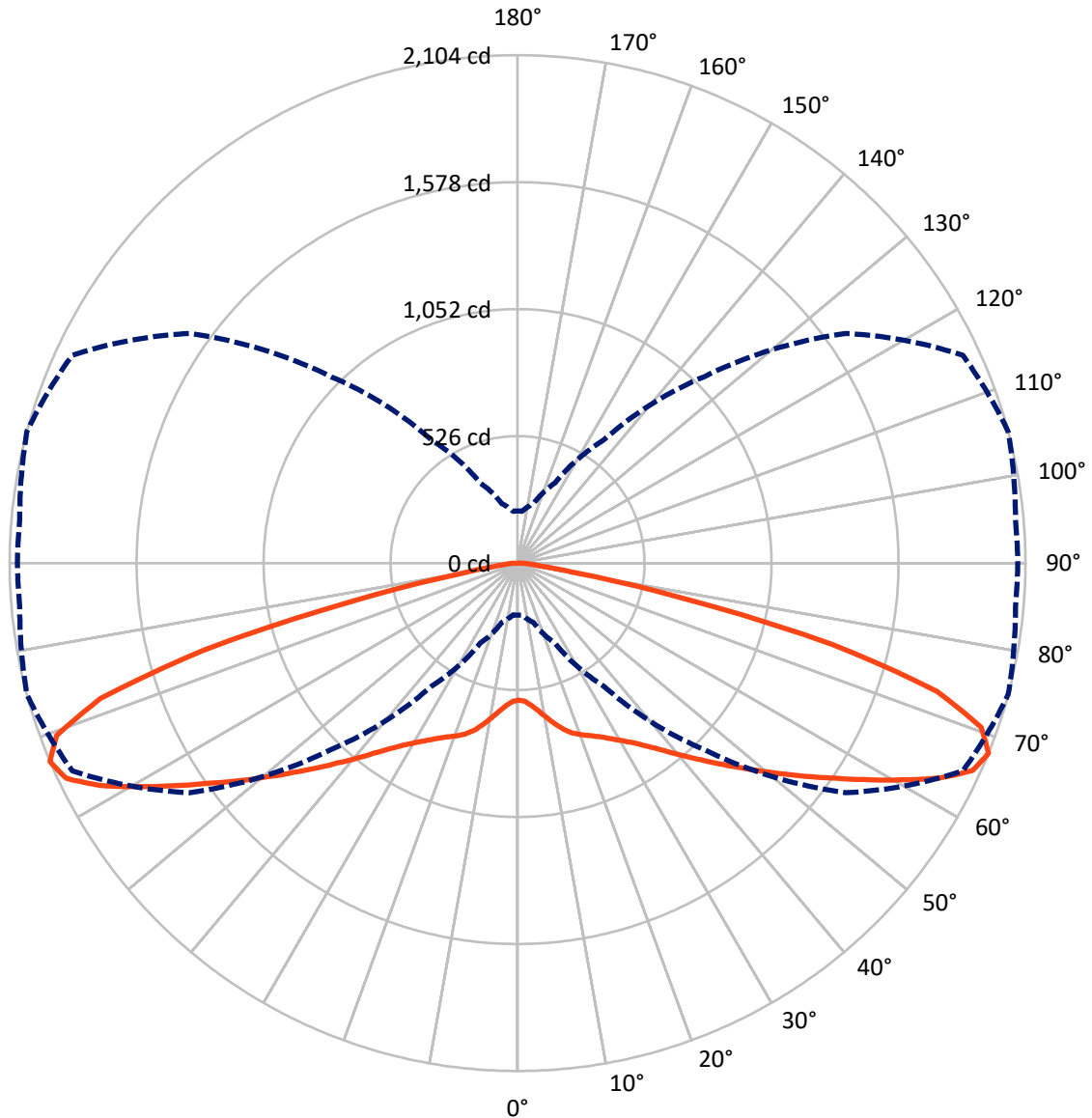
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 2.9 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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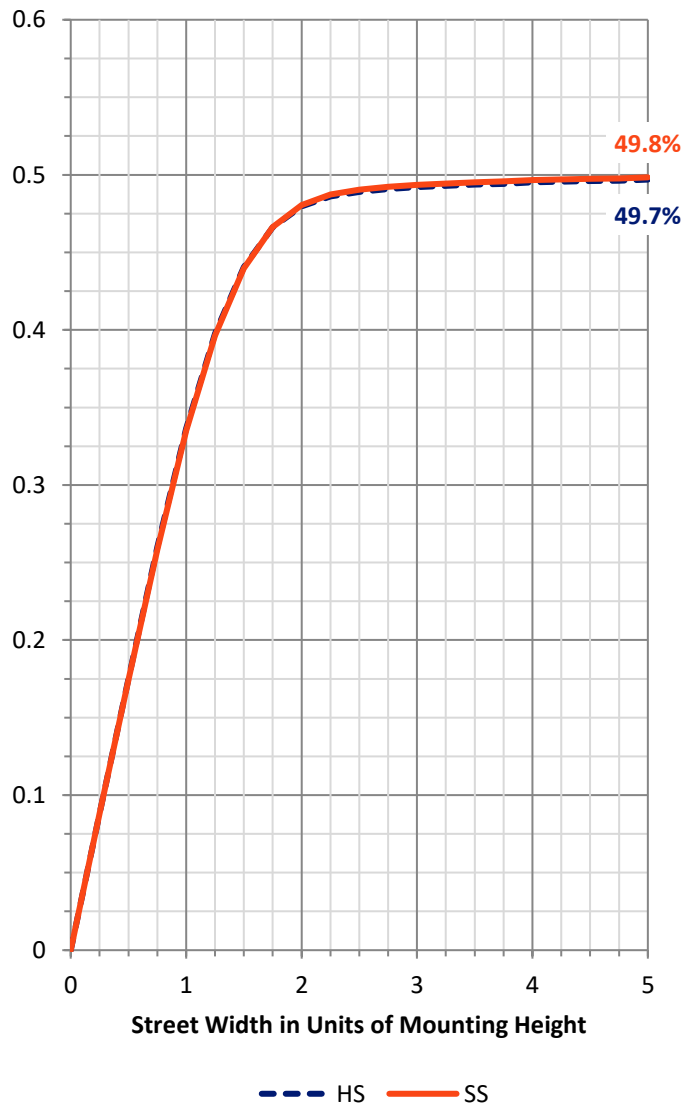
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2791.1	0.0	2791.1
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	2791.1	0.0	2791.1
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	5582.3	0.0	5582.3
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	56.2	1.0
10°-20°	189.4	3.4
20°-30°	369.7	6.6
30°-40°	637.9	11.4
40°-50°	1033.2	18.5
50°-60°	1405.2	25.2
60°-70°	1296.4	23.2
70°-80°	542.4	9.7
80°-90°	51.8	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°	5582.3	100.0
0°-180°	5582.3	100.0



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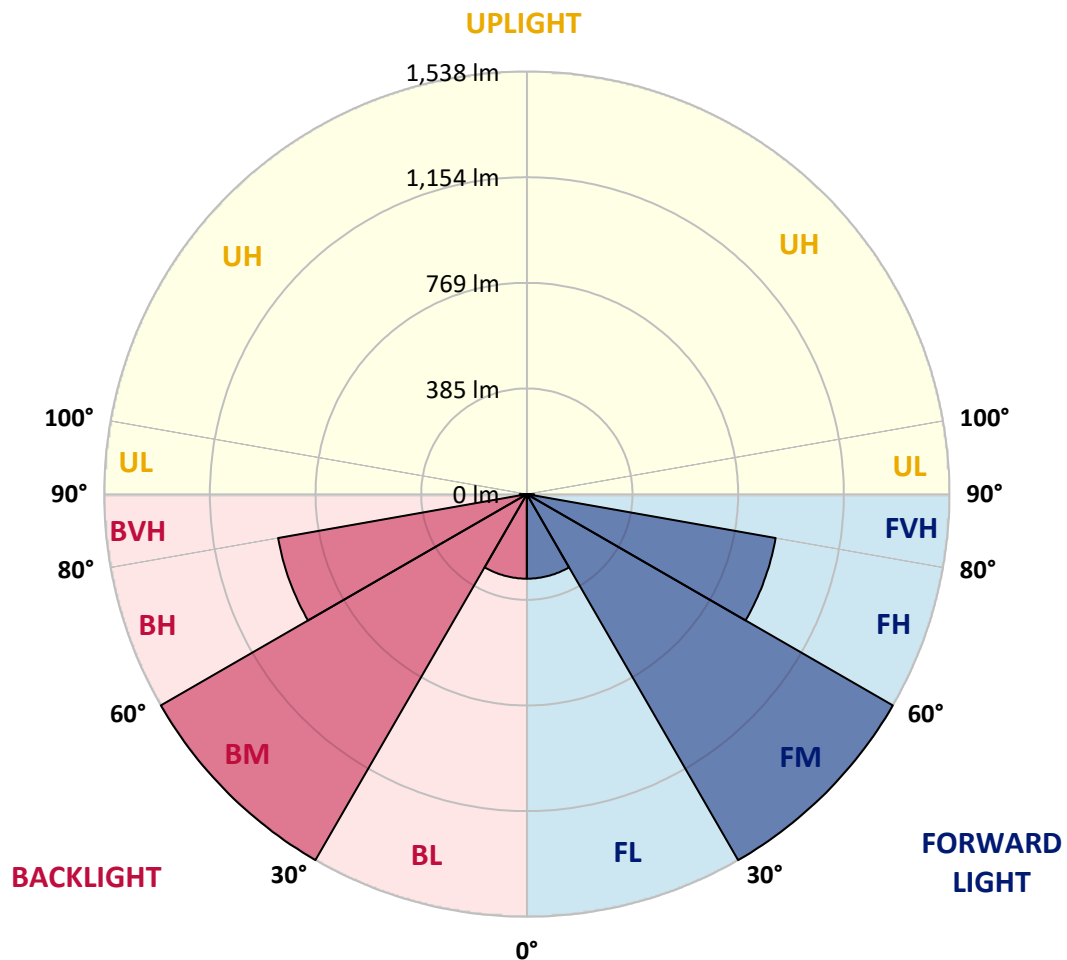
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	307.7	5.5			
FM (30°-60°)	1538.2	27.6			
FH (60°-80°)	919.4	16.5			G1/1800
FVH (80°-90°)	25.9	0.5			G1/100
BL (0°-30°)	307.7	5.5	B1/500		
BM (30°-60°)	1538.2	27.6	B2/2500		
BH (60°-80°)	919.4	16.5	B2/1000		G2/1000
BVH (80°-90°)	25.9	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°	567.9	567.9	567.9	567.9	567.9	567.9	567.9	567.9	567.9	567.9	567.9
2.5°	564.3	564.3	565.9	567.9	568.7	570.3	570.7	570.7	573.1	572.7	573.1
5°	562.7	562.7	565.5	569.1	573.1	577.9	582.8	585.6	591.6	592.8	593.2
7.5°	564.3	564.7	568.7	574.7	581.6	590.4	599.6	607.2	617.3	620.9	623.3
10°	570.3	570.7	575.9	584.4	594.8	607.6	620.9	632.9	649.0	656.2	657.4
12.5°	579.6	580.0	587.6	601.2	616.1	632.1	647.0	662.2	682.3	693.1	695.5
15°	593.6	592.4	604.4	624.5	645.4	665.4	678.7	693.5	714.8	728.9	732.5
17.5°	612.9	613.7	628.5	654.2	679.9	700.4	713.6	722.0	740.5	754.9	758.6
20°	636.9	640.6	659.4	689.1	719.2	740.9	750.1	748.9	759.4	771.8	774.6
22.5°	671.1	673.5	696.3	729.7	764.2	786.6	790.3	777.0	776.6	784.6	788.3
25°	711.2	713.2	737.3	775.8	812.3	836.0	832.4	809.5	797.5	797.9	800.3
27.5°	758.2	762.2	787.0	826.4	864.1	885.8	880.6	847.3	823.6	816.3	814.7
30°	819.2	823.6	848.9	886.6	919.9	939.2	931.1	889.0	853.7	841.6	839.2
32.5°	898.6	898.2	924.3	960.8	984.1	996.6	980.9	933.1	888.6	872.5	869.3
35°	980.5	984.5	1010.2	1045.5	1063.2	1064.0	1039.1	985.3	932.3	904.6	898.6
37.5°	1072.8	1074.8	1104.5	1137.8	1149.5	1143.0	1106.1	1046.3	985.3	956.0	945.6
40°	1167.5	1169.5	1204.1	1236.2	1249.0	1233.8	1185.2	1113.7	1047.9	1015.8	1009.8
42.5°	1255.4	1260.6	1299.2	1336.9	1349.3	1331.7	1273.1	1187.6	1114.1	1083.2	1075.2
45°	1328.5	1334.1	1377.4	1425.6	1447.7	1433.2	1367.0	1270.7	1190.4	1157.1	1143.4
47.5°	1383.5	1390.7	1436.8	1494.6	1537.6	1534.8	1466.9	1358.6	1272.3	1232.9	1220.5
50°	1421.2	1428.8	1478.6	1540.8	1605.4	1627.1	1568.5	1455.7	1363.4	1319.2	1310.8
52.5°	1424.0	1430.8	1487.8	1565.3	1651.6	1699.3	1668.4	1558.0	1463.7	1418.0	1412.0
55°	1361.4	1366.2	1442.1	1545.2	1670.4	1754.7	1759.5	1669.6	1570.9	1524.7	1521.9
57.5°	1217.7	1224.5	1315.2	1451.7	1639.1	1790.4	1838.6	1786.4	1692.1	1648.7	1646.3
60°	983.7	992.5	1096.1	1277.5	1525.9	1781.2	1905.6	1896.0	1824.5	1782.4	1780.8
62.5°	693.9	697.1	805.1	1005.0	1304.4	1683.3	1938.1	2002.7	1961.8	1919.3	1921.7
65°	407.8	412.2	491.3	671.1	989.3	1458.1	1881.9	2077.0	2071.8	2032.8	2036.9
67.5°	215.5	215.5	255.3	366.8	622.1	1091.7	1658.4	2036.1	2104.3	2070.2	2072.2
70°	148.9	148.5	155.7	184.2	300.6	676.7	1240.6	1821.7	2038.1	2025.2	2030.4
72.5°	126.0	125.2	125.6	129.6	152.9	305.8	753.3	1403.1	1816.9	1836.6	1841.0
75°	110.4	109.2	108.4	107.6	109.6	138.9	343.6	865.7	1346.9	1470.5	1468.1
77.5°	95.1	94.3	93.5	90.7	87.5	91.1	140.5	389.3	692.7	817.6	808.7
80°	78.3	78.3	79.5	75.5	69.4	67.0	83.9	145.3	230.0	240.0	220.7
82.5°	61.4	61.4	67.4	61.8	54.6	48.6	58.2	77.5	93.5	75.9	61.8
85°	43.3	43.7	56.2	51.4	42.1	28.1	36.1	46.2	52.6	33.3	26.1
87.5°	17.7	18.9	34.9	27.7	26.5	14.0	16.9	20.5	26.1	14.0	11.2
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)