

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: P672906

Luminaire Tested: **CCP-SA-2E-840-U-RW**

Issue Date: 04/16/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P672906  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 04/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCP-SA-2E-840-U-RW  
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @1050mA w/ RW distribution lens  
Light Source: (32) 4000K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

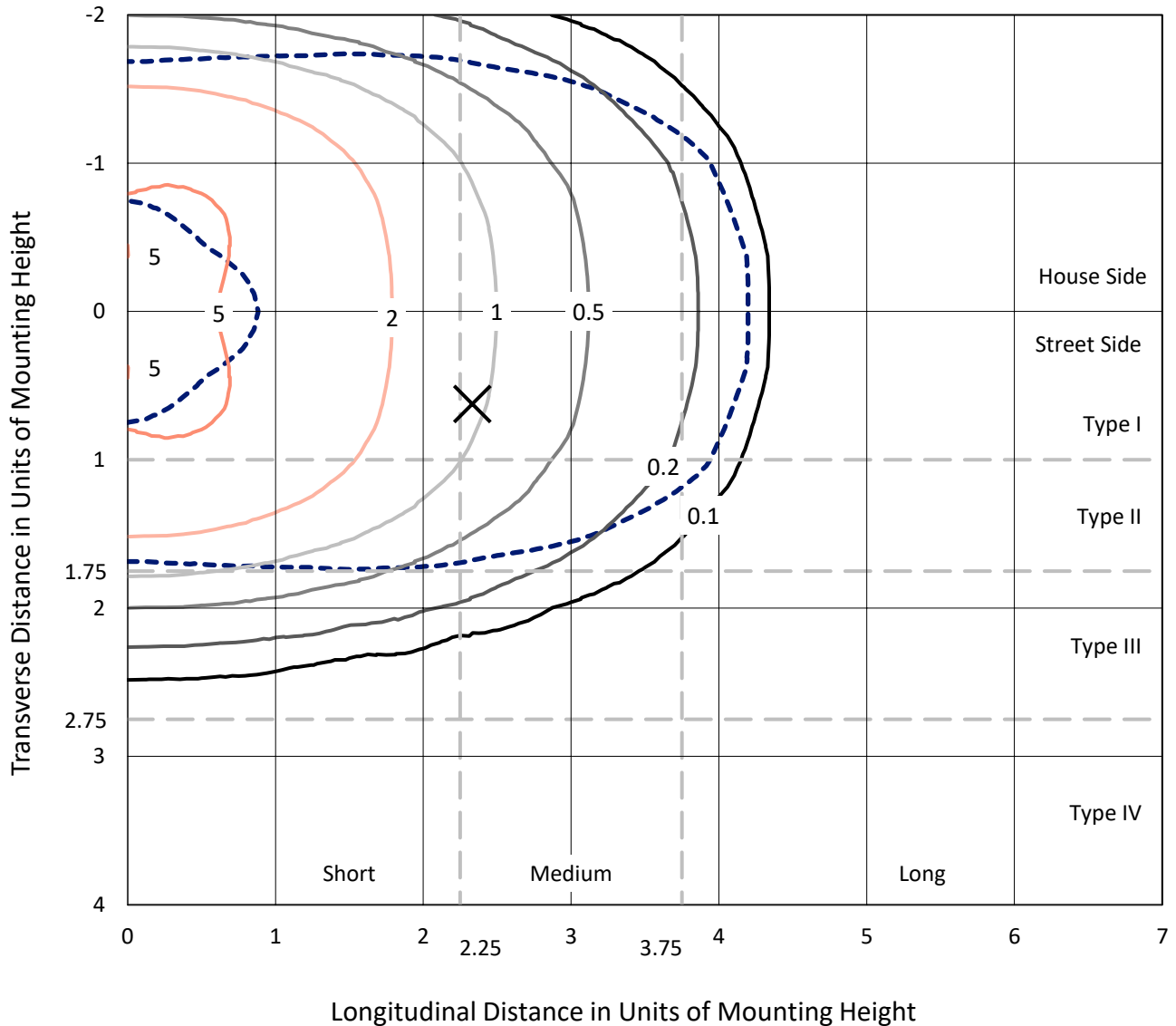
Lumens per Lamp: N/A  
Luminaire Lumens: 11858.6 lumens  
Efficiency: N/A  
Efficacy: 111.2 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B3 - U0 - G3

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

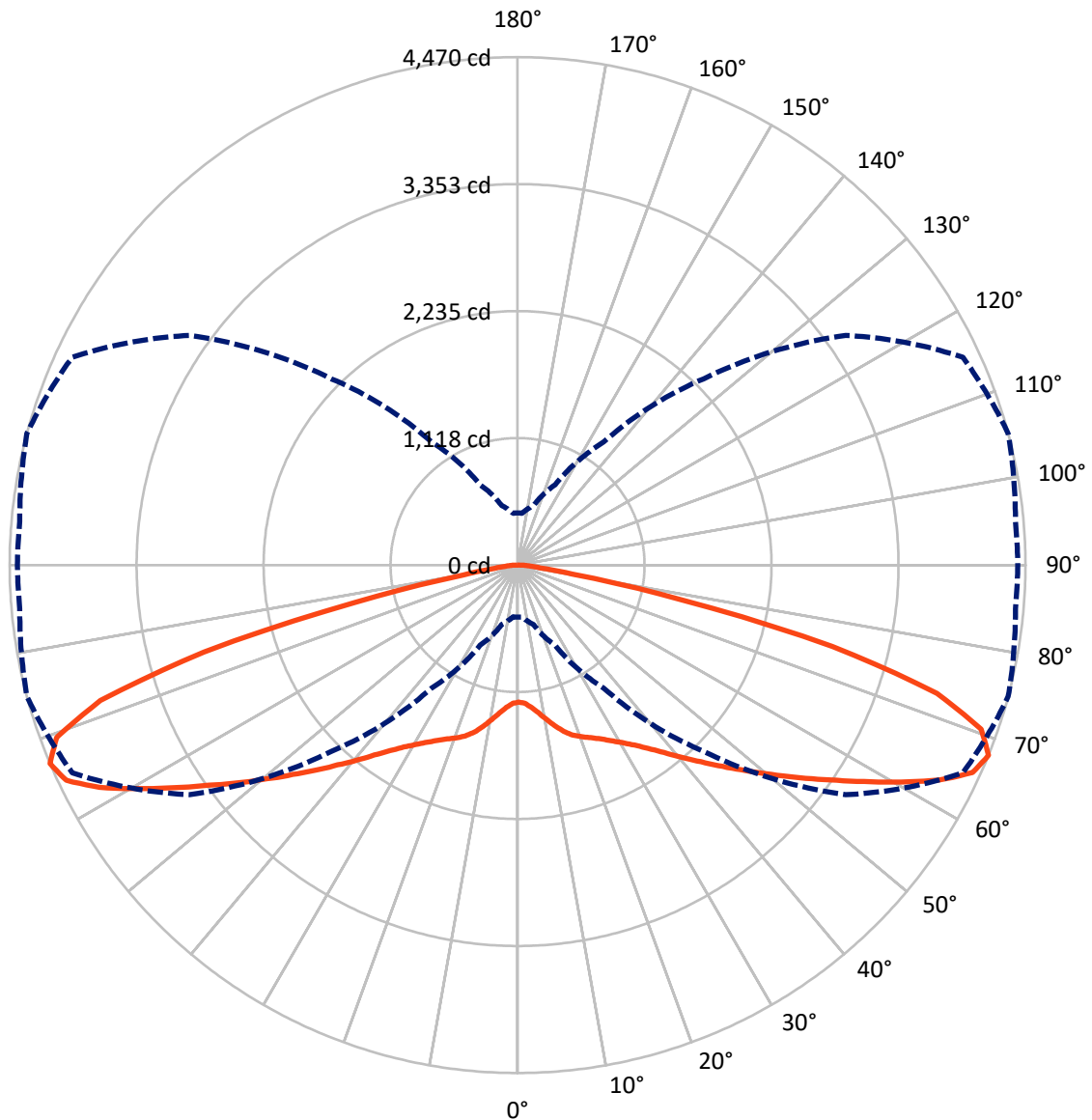
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 6.2 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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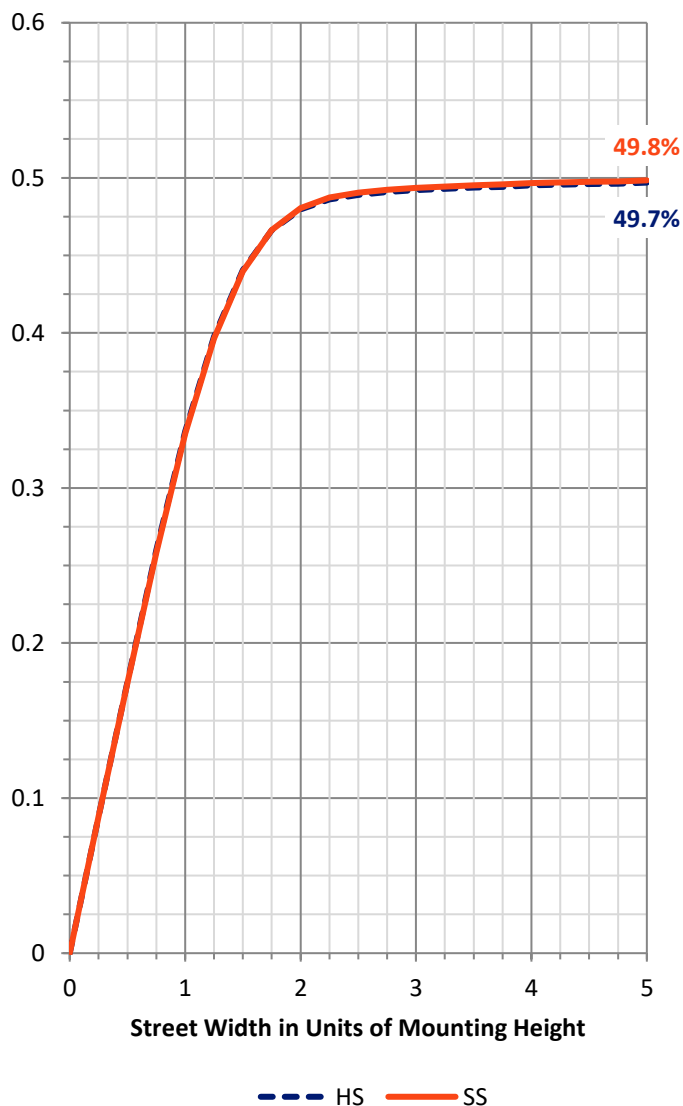
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	5929.3	0.0	5929.3
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	5929.3	0.0	5929.3
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	11858.6	0.0	11858.6
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	119.4	1.0
10°-20°	402.3	3.4
20°-30°	785.5	6.6
30°-40°	1355.0	11.4
40°-50°	2195.0	18.5
50°-60°	2985.2	25.2
60°-70°	2753.9	23.2
70°-80°	1152.3	9.7
80°-90°	110.0	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°	11858.6	100.0
0°-180°	11858.6	100.0



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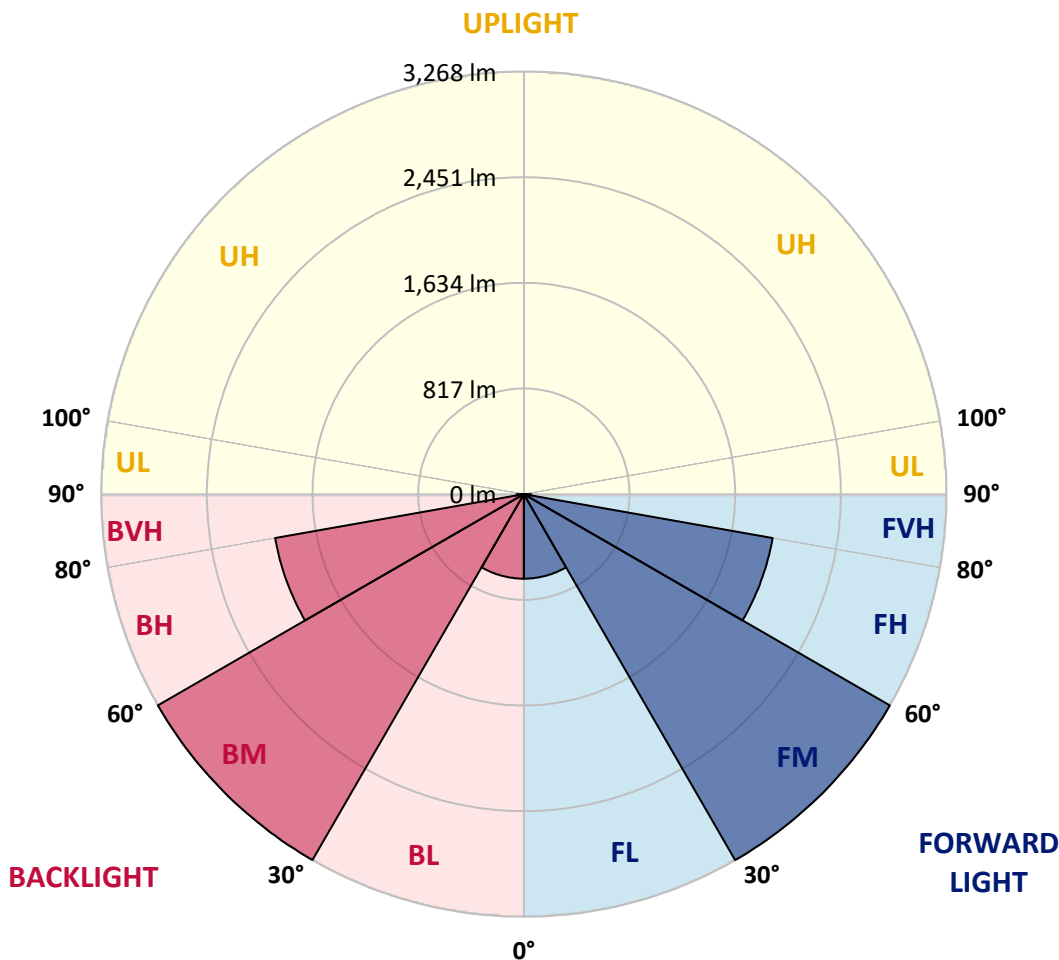
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	653.6	5.5			
FM (30°-60°)	3267.6	27.6			
FH (60°-80°)	1953.1	16.5			G2/5000
FVH (80°-90°)	55.0	0.5			G1/100
BL (0°-30°)	653.6	5.5	B2/1000		
BM (30°-60°)	3267.6	27.6	B3/5000		
BH (60°-80°)	1953.1	16.5	B3/2500		G3/2500
BVH (80°-90°)	55.0	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G3**

Type II Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1206.4	1206.4	1206.4	1206.4	1206.4	1206.4	1206.4	1206.4	1206.4	1206.4	1206.4
2.5°	1198.8	1198.8	1202.2	1206.4	1208.1	1211.5	1212.4	1212.4	1217.5	1216.7	1217.5
5°	1195.3	1195.3	1201.3	1209.0	1217.5	1227.7	1238.0	1243.9	1256.7	1259.3	1260.1
7.5°	1198.8	1199.6	1208.1	1220.9	1235.4	1254.2	1273.8	1290.0	1311.3	1319.0	1324.1
10°	1211.5	1212.4	1223.5	1241.4	1263.6	1290.8	1319.0	1344.6	1378.7	1394.0	1396.6
12.5°	1231.2	1232.0	1248.2	1277.2	1308.7	1342.9	1374.4	1406.8	1449.4	1472.4	1477.6
15°	1261.0	1258.4	1284.0	1326.7	1371.0	1413.6	1441.8	1473.3	1518.5	1548.3	1556.0
17.5°	1301.9	1303.6	1335.2	1389.7	1444.3	1487.8	1515.9	1533.8	1573.1	1603.7	1611.4
20°	1353.1	1360.8	1400.8	1463.9	1527.9	1573.9	1593.5	1591.0	1613.1	1639.6	1645.5
22.5°	1425.6	1430.7	1479.3	1550.0	1623.4	1671.1	1678.8	1650.6	1649.8	1666.8	1674.5
25°	1510.8	1515.1	1566.2	1648.1	1725.7	1776.0	1768.3	1719.7	1694.1	1695.0	1700.1
27.5°	1610.6	1619.1	1672.0	1755.5	1835.7	1881.7	1870.6	1799.8	1749.5	1734.2	1730.8
30°	1740.2	1749.5	1803.3	1883.4	1954.2	1995.1	1978.0	1888.5	1813.5	1787.9	1782.8
32.5°	1909.0	1908.1	1963.5	2041.1	2090.6	2117.0	2083.8	1982.3	1887.7	1853.6	1846.7
35°	2082.9	2091.4	2146.0	2221.0	2258.5	2260.3	2207.4	2093.1	1980.6	1921.8	1909.0
37.5°	2279.0	2283.3	2346.4	2417.1	2441.9	2428.2	2349.8	2222.7	2093.1	2030.9	2008.7
40°	2480.2	2484.5	2557.8	2626.0	2653.3	2620.9	2517.7	2366.0	2226.1	2157.9	2145.1
42.5°	2666.9	2678.0	2759.9	2840.0	2866.5	2828.9	2704.5	2522.9	2366.8	2301.2	2284.1
45°	2822.1	2834.1	2926.1	3028.4	3075.3	3044.6	2904.0	2699.3	2528.8	2458.1	2429.1
47.5°	2938.9	2954.3	3052.3	3175.1	3266.3	3260.4	3116.3	2886.1	2702.8	2619.2	2592.8
50°	3019.1	3035.3	3141.0	3273.1	3410.4	3456.5	3332.0	3092.4	2896.3	2802.5	2784.6
52.5°	3025.0	3039.5	3160.6	3325.2	3508.5	3609.9	3544.3	3309.8	3109.4	3012.2	2999.5
55°	2892.0	2902.3	3063.4	3282.5	3548.5	3727.6	3737.8	3546.8	3337.1	3239.0	3233.1
57.5°	2586.8	2601.3	2794.0	3083.9	3482.0	3803.5	3905.8	3794.9	3594.6	3502.5	3497.4
60°	2089.7	2108.5	2328.5	2713.8	3241.6	3783.9	4048.2	4027.7	3875.9	3786.4	3783.0
62.5°	1474.2	1481.0	1710.3	2134.9	2771.0	3575.8	4117.2	4254.5	4167.5	4077.1	4082.3
65°	866.2	875.6	1043.6	1425.6	2101.7	3097.5	3997.9	4412.2	4401.1	4318.4	4327.0
67.5°	457.8	457.8	542.3	779.3	1321.5	2319.1	3523.0	4325.3	4470.2	4397.7	4402.0
70°	316.3	315.5	330.8	391.3	638.6	1437.5	2635.4	3870.0	4329.5	4302.2	4313.3
72.5°	267.7	266.0	266.9	275.4	324.8	649.7	1600.3	2980.7	3859.7	3901.5	3910.9
75°	234.5	231.9	230.2	228.5	232.8	295.0	729.8	1839.1	2861.3	3123.9	3118.8
77.5°	202.1	200.4	198.7	192.7	185.9	193.5	298.4	827.0	1471.6	1736.8	1718.0
80°	166.3	166.3	168.8	160.3	147.5	142.4	178.2	308.6	488.5	509.9	468.9
82.5°	130.4	130.4	143.2	131.3	116.0	103.2	123.6	164.6	198.7	161.1	131.3
85°	92.1	92.9	119.4	109.1	89.5	59.7	76.7	98.0	111.7	70.8	55.4
87.5°	37.5	40.1	74.2	58.8	56.3	29.8	35.8	43.5	55.4	29.8	23.9
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)