

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: P672695

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

Issue Date: 04/16/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P672695  
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-5NQ  
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @800mA w/ 5NQ  
distribution lens  
Light Source: (32) 4000K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

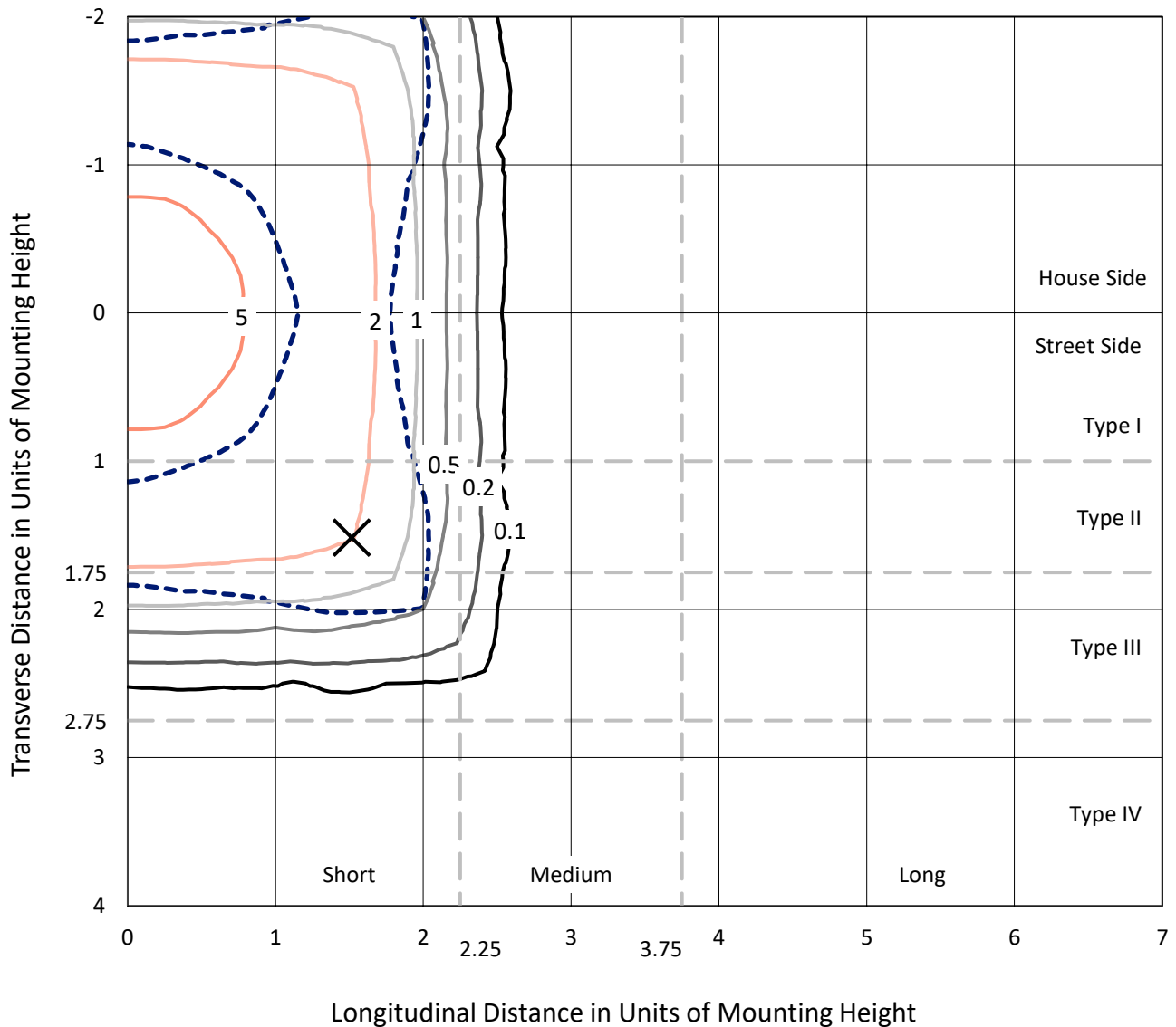
Lumens per Lamp: N/A  
Luminaire Lumens: 11605.8 lumens  
Efficiency: N/A  
Efficacy: 143.6 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G1

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

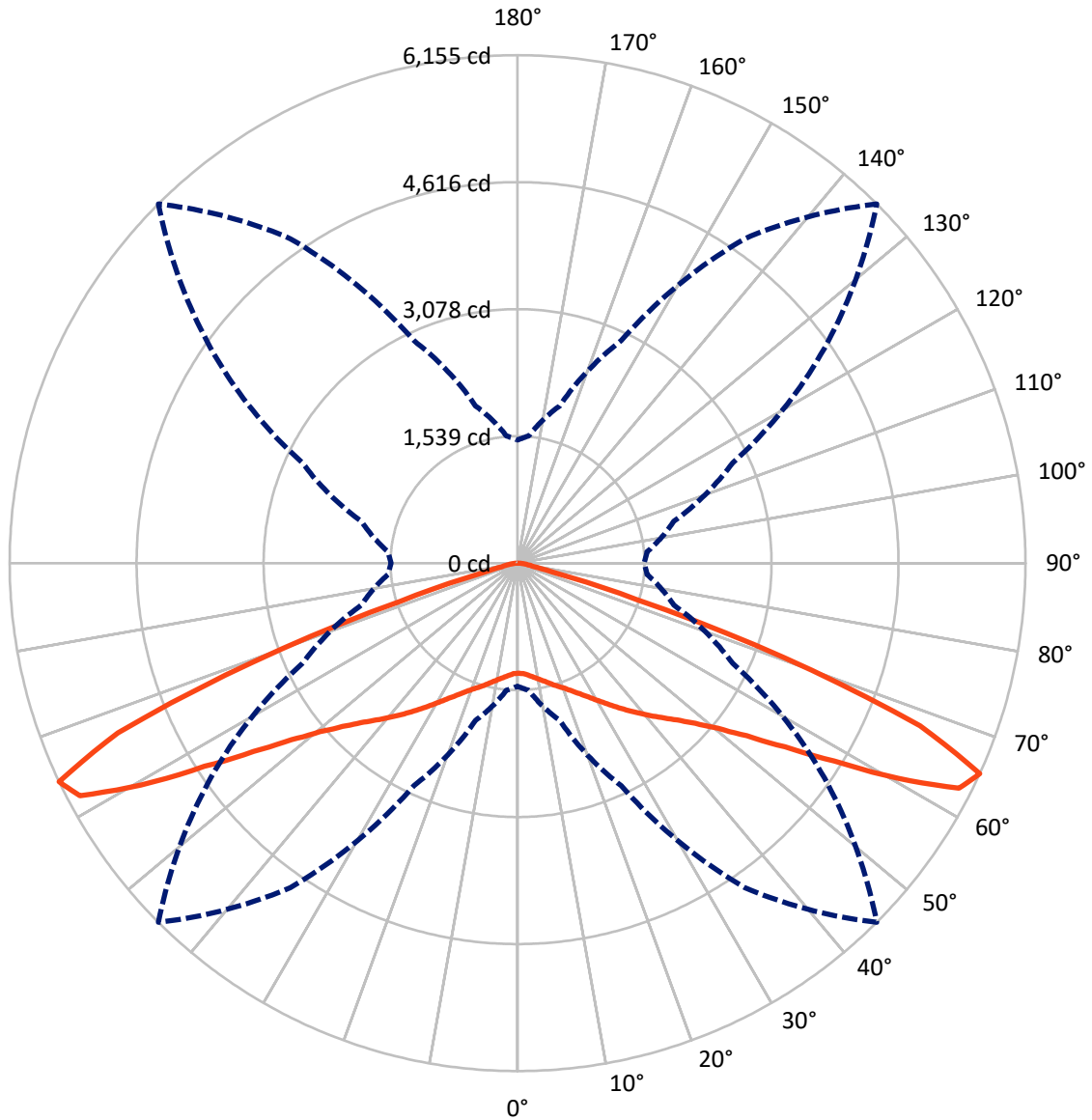
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 6.1 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral      - - - Horizontal Cone Through 65-Deg Vertical

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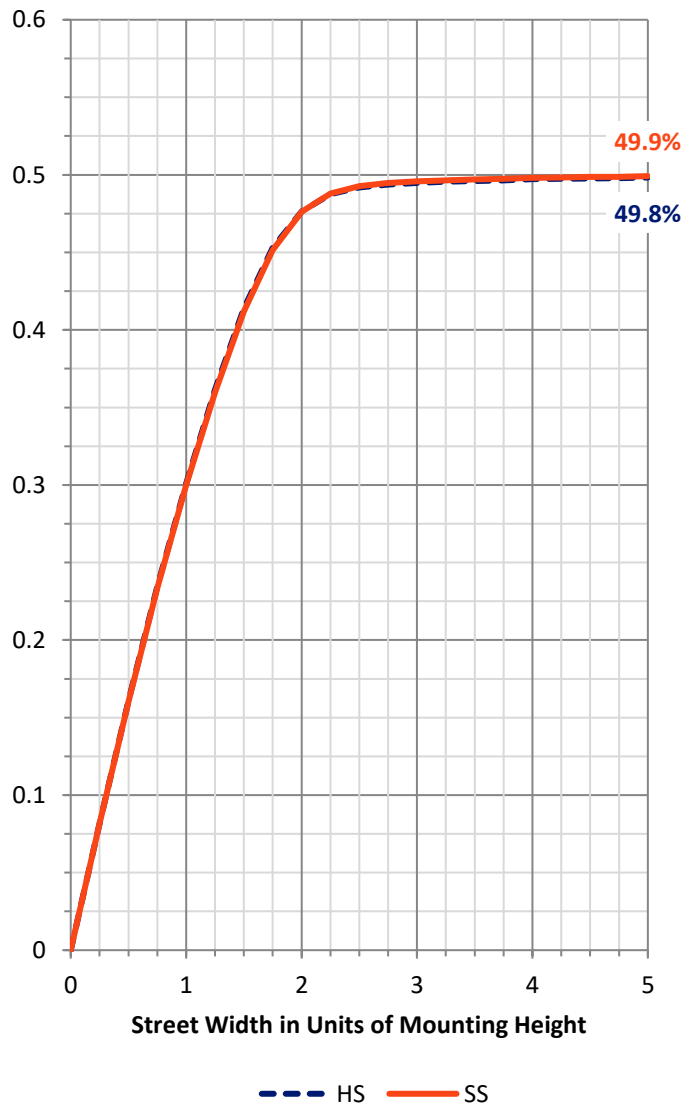
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	5802.9	0.0	5802.9
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	5802.9	0.0	5802.9
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	11605.8	0.0	11605.8
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	132.1	1.1
10°-20°	431.5	3.7
20°-30°	818.3	7.1
30°-40°	1372.4	11.8
40°-50°	2171.6	18.7
50°-60°	3411.7	29.4
60°-70°	2882.6	24.8
70°-80°	335.6	2.9
80°-90°	50.0	0.4
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°	11605.8	100.0
0°-180°	11605.8	100.0



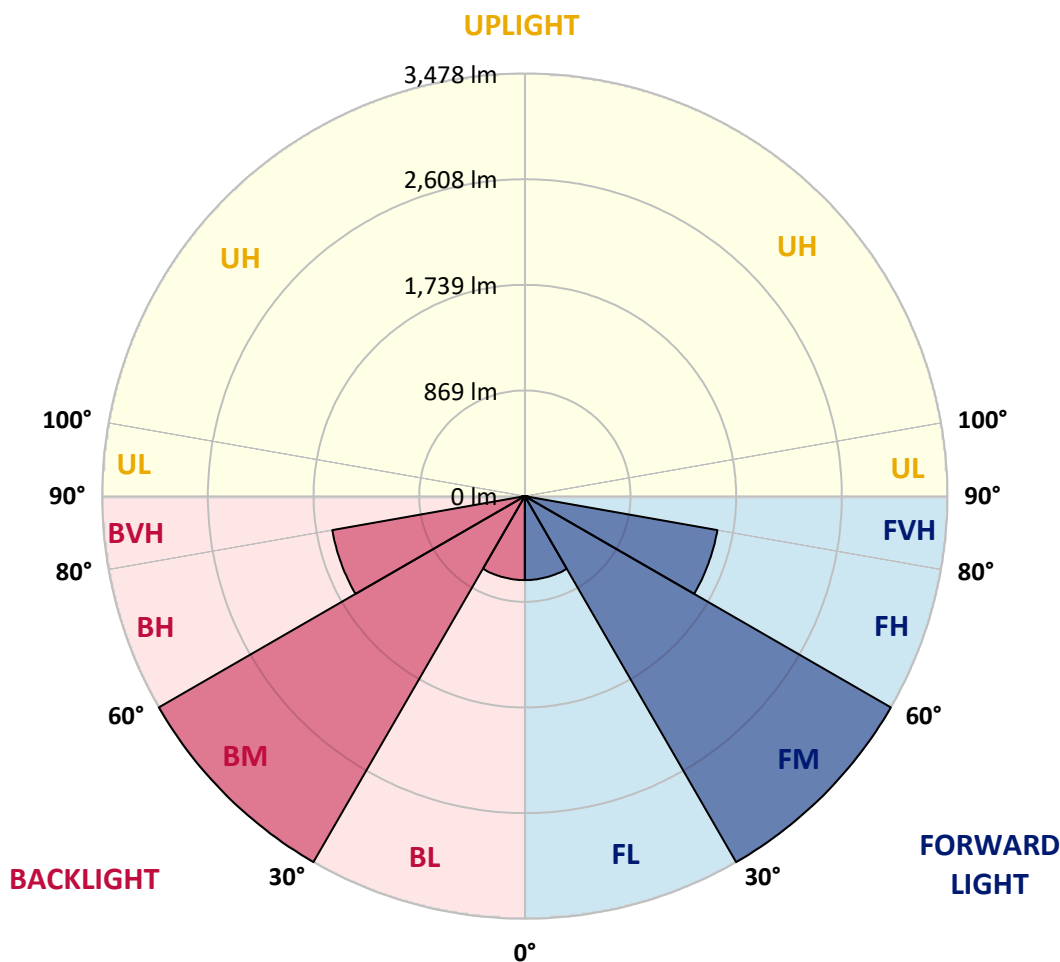
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	691.0	6.0			
FM (30°-60°)	3477.8	30.0			
FH (60°-80°)	1609.1	13.9			G1/1800
FVH (80°-90°)	25.0	0.2			G1/100
BL (0°-30°)	691.0	6.0	B2/1000		
BM (30°-60°)	3477.8	30.0	B3/5000		
BH (60°-80°)	1609.1	13.9	B3/2500		G1/1800
BVH (80°-90°)	25.0	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G1**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1334.5	1334.5	1334.5	1334.5	1334.5	1334.5	1334.5	1334.5	1334.5	1334.5	1334.5
2.5°	1341.8	1337.7	1341.8	1341.8	1339.4	1340.2	1336.9	1336.1	1340.2	1336.9	1336.1
5°	1369.5	1366.3	1369.5	1367.1	1363.0	1363.8	1358.9	1357.3	1362.2	1357.3	1358.1
7.5°	1401.4	1395.6	1397.3	1399.7	1395.6	1395.6	1391.6	1389.1	1391.6	1386.7	1389.9
10°	1428.3	1423.4	1425.8	1429.1	1428.3	1430.7	1426.6	1425.0	1422.6	1416.8	1421.7
12.5°	1463.3	1461.7	1465.0	1469.1	1467.4	1470.7	1461.7	1459.3	1458.4	1451.9	1457.6
15°	1509.0	1504.9	1510.7	1515.5	1513.1	1518.8	1511.5	1508.2	1504.1	1496.0	1500.9
17.5°	1554.7	1551.4	1559.6	1562.0	1562.9	1567.8	1562.0	1557.1	1555.5	1549.8	1546.5
20°	1609.4	1605.3	1611.8	1616.7	1612.6	1618.3	1615.9	1612.6	1611.0	1602.0	1601.2
22.5°	1670.5	1664.8	1674.6	1680.3	1674.6	1680.3	1675.4	1674.6	1675.4	1662.4	1664.0
25°	1739.0	1739.9	1749.6	1753.7	1750.5	1753.7	1746.4	1751.3	1748.8	1735.0	1730.1
27.5°	1827.1	1823.9	1834.5	1846.7	1838.6	1838.6	1835.3	1840.2	1839.4	1826.3	1823.1
30°	1929.9	1929.1	1944.6	1951.9	1940.5	1935.6	1934.8	1947.0	1947.9	1934.0	1928.3
32.5°	2037.6	2037.6	2056.3	2065.3	2049.0	2045.7	2042.5	2058.8	2056.3	2037.6	2025.4
35°	2155.9	2151.0	2176.3	2189.3	2173.0	2163.2	2161.6	2176.3	2173.0	2146.9	2132.2
37.5°	2272.5	2275.8	2305.1	2319.8	2300.2	2288.0	2292.1	2301.9	2302.7	2274.1	2258.6
40°	2415.3	2416.1	2452.8	2464.2	2438.9	2420.1	2425.9	2447.9	2446.2	2411.2	2391.6
42.5°	2575.1	2571.9	2617.5	2627.3	2593.1	2557.2	2574.3	2608.6	2616.7	2577.6	2557.2
45°	2746.4	2751.3	2798.6	2809.2	2755.4	2709.7	2746.4	2797.8	2808.4	2766.0	2740.7
47.5°	2954.4	2960.1	3017.2	3021.3	2960.1	2900.6	2949.5	3016.4	3020.5	2961.8	2932.4
50°	3191.8	3211.4	3275.0	3283.1	3222.8	3146.1	3216.3	3275.8	3260.3	3182.0	3155.1
52.5°	3461.0	3476.5	3576.0	3610.2	3557.2	3474.8	3531.1	3567.8	3518.1	3415.3	3373.7
55°	3690.2	3716.3	3848.4	3952.8	3992.8	3930.8	3924.3	3870.4	3731.8	3575.2	3531.9
57.5°	3754.6	3779.9	3984.6	4253.8	4491.2	4522.2	4378.6	4108.6	3810.1	3568.6	3524.6
60°	3492.8	3527.0	3826.4	4336.2	5017.3	5297.9	4779.1	4129.0	3607.0	3283.1	3227.7
62.5°	2743.2	2806.8	3193.4	3992.8	5229.4	6004.3	4943.9	3777.4	2994.4	2611.8	2538.4
65°	1491.9	1546.5	1973.1	2975.6	4799.5	6155.2	4540.1	2876.1	1958.5	1574.3	1534.3
67.5°	559.6	599.5	795.3	1470.7	3393.3	5262.0	3446.3	1646.9	889.1	637.9	581.6
70°	238.2	243.1	287.9	512.3	1542.5	3423.4	1764.3	559.6	296.9	239.8	233.3
72.5°	171.3	172.1	184.3	226.8	469.8	1501.7	533.5	234.9	181.1	163.1	163.1
75°	137.0	137.9	145.2	164.0	221.9	442.1	230.0	164.8	140.3	128.1	126.4
77.5°	107.7	109.3	116.6	128.1	148.5	202.3	155.8	129.7	112.6	101.1	99.5
80°	79.9	82.4	92.2	97.9	104.4	134.6	113.4	101.1	89.7	77.5	75.0
82.5°	53.0	55.5	68.5	72.6	71.8	84.8	78.3	77.5	68.5	51.4	48.9
85°	31.8	33.4	44.0	47.3	44.0	41.6	49.8	53.8	48.1	33.4	31.0
87.5°	13.9	13.9	19.6	20.4	19.6	15.5	23.7	27.7	28.5	17.1	15.5
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)