

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: P672452

Luminaire Tested: **CCP-SA-2E-830-U-5WQ**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P672452
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2E-830-U-5WQ
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @1050mA w/ 5WQ distribution lens
Light Source: (32) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

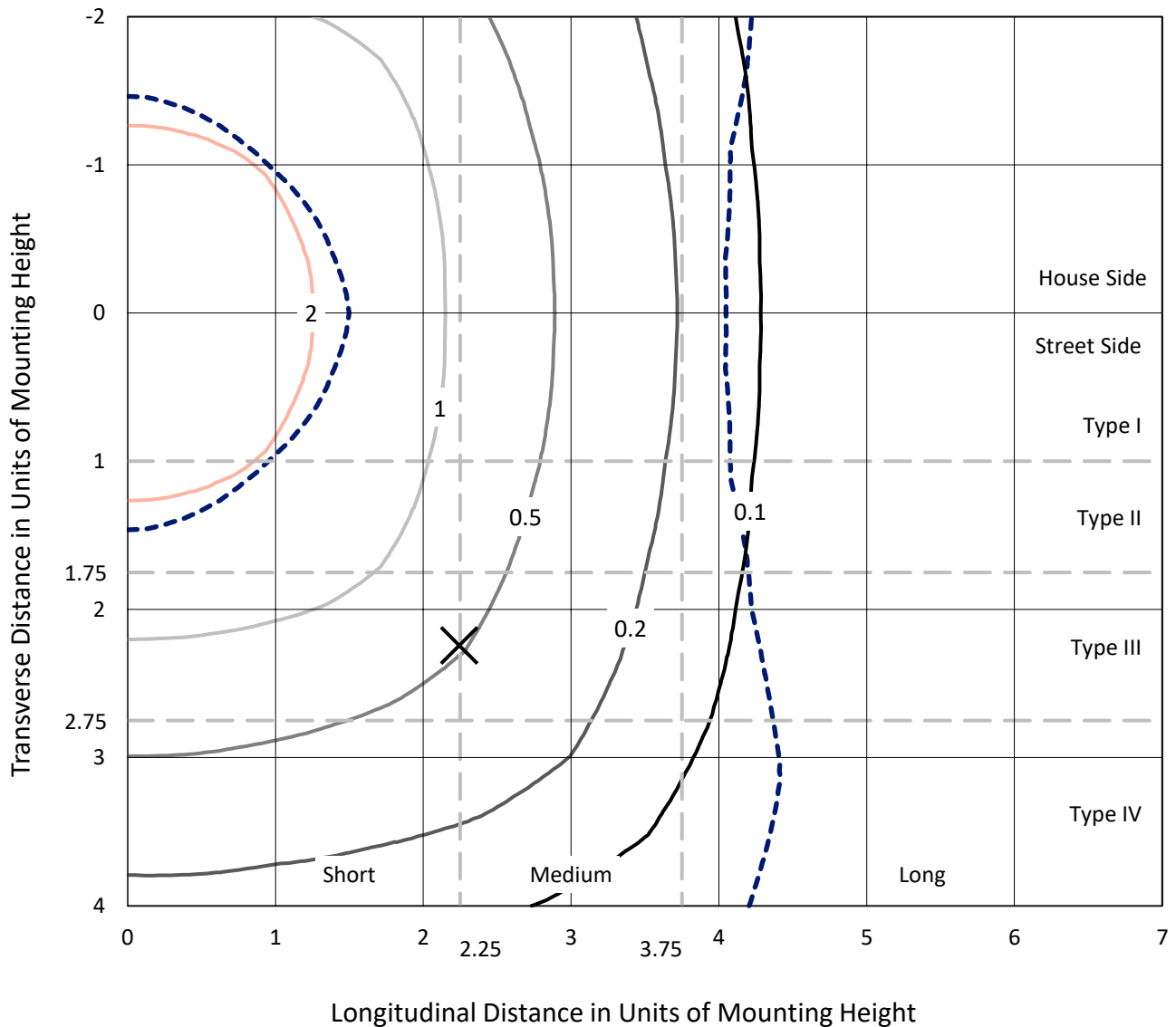
Lumens per Lamp: N/A
Luminaire Lumens: 11387.3 lumens
Efficiency: N/A
Efficacy: 106.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

Input Watts (W): 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

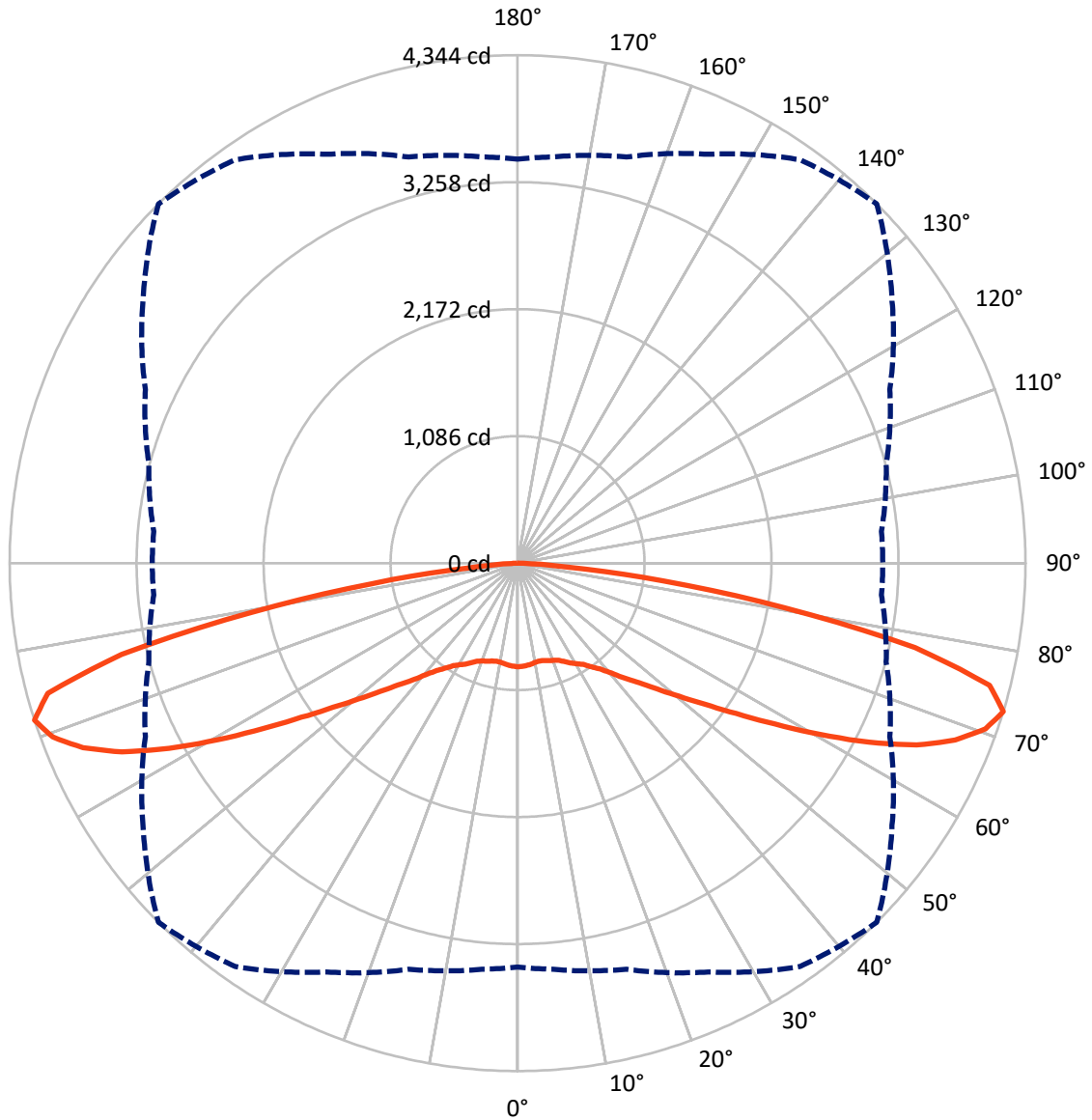
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 3.9 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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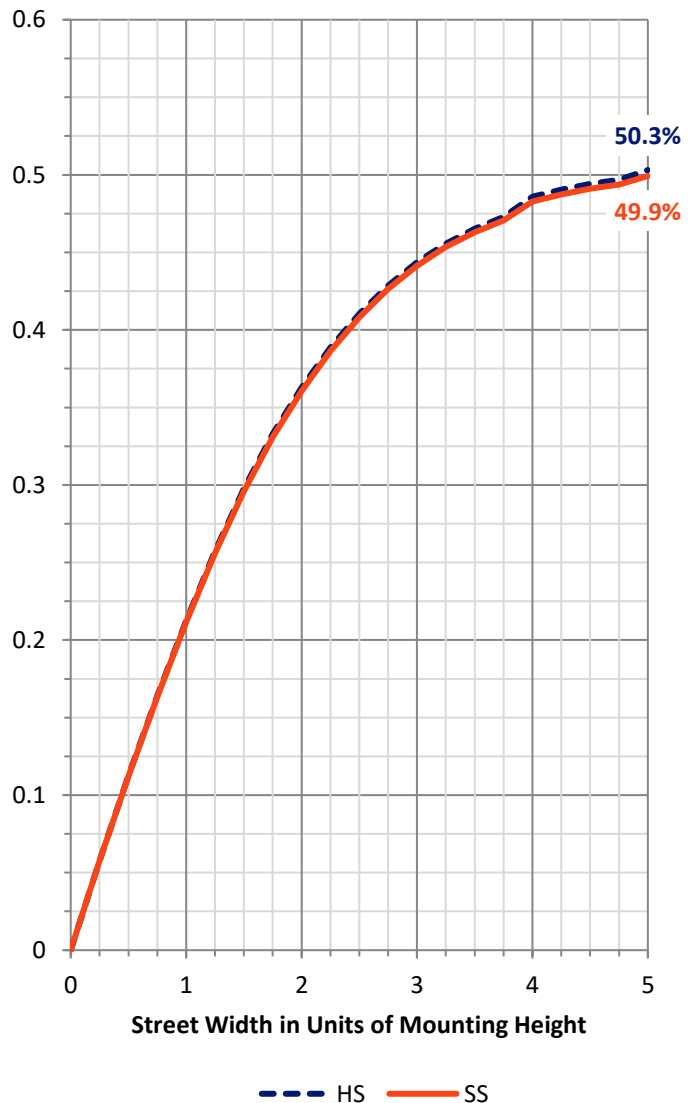
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5693.6	0.0	5693.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5693.6	0.0	5693.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	11387.3	0.0	11387.3
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	83.3	0.7
10°-20°	247.3	2.2
20°-30°	434.4	3.8
30°-40°	693.2	6.1
40°-50°	1159.0	10.2
50°-60°	1983.3	17.4
60°-70°	3274.2	28.8
70°-80°	3138.2	27.6
80°-90°	374.2	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°	11387.3	100.0
0°-180°	11387.3	100.0



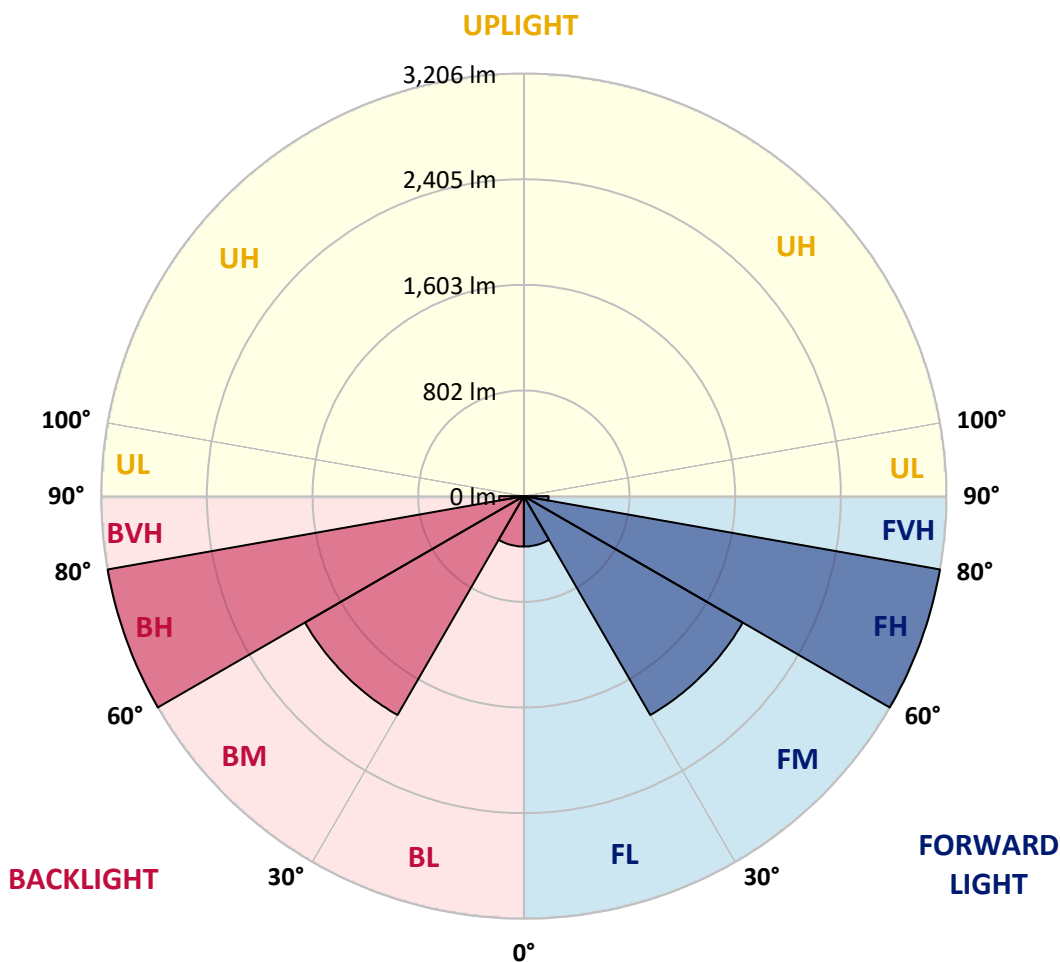
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	382.5	3.4			
FM (30°-60°)	1917.8	16.8			
FH (60°-80°)	3206.2	28.2			G2/5000
FVH (80°-90°)	187.1	1.6			G2/225
BL (0°-30°)	382.5	3.4	B1/500		
BM (30°-60°)	1917.8	16.8	B2/2500		
BH (60°-80°)	3206.2	28.2	B4/5000		G2/5000
BVH (80°-90°)	187.1	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°	886.7	886.7	886.7	886.7	886.7	886.7	886.7	886.7	886.7	886.7	886.7
2.5°	881.2	881.2	883.6	884.4	883.6	882.8	882.0	881.2	883.6	882.8	883.6
5°	878.8	878.8	879.6	880.4	878.8	878.0	876.4	875.6	877.2	877.2	878.8
7.5°	872.4	871.6	872.4	873.2	870.9	870.1	867.7	867.7	867.7	866.9	868.5
10°	866.9	865.3	865.3	863.7	859.7	860.5	857.3	859.7	863.7	864.5	865.3
12.5°	869.3	867.7	866.1	862.1	856.5	857.3	856.5	858.9	864.5	867.7	870.1
15°	880.4	878.8	874.8	867.7	864.5	864.5	862.9	863.7	871.6	876.4	878.8
17.5°	892.3	889.1	882.0	877.2	874.0	876.4	870.9	870.1	876.4	883.6	885.9
20°	901.8	899.5	890.7	885.2	885.2	887.5	882.0	878.8	885.9	894.7	897.1
22.5°	918.5	916.9	908.2	902.6	902.6	903.4	900.3	897.9	905.8	914.6	916.9
25°	942.4	942.4	933.6	931.2	930.4	932.0	928.1	925.7	932.8	939.2	941.6
27.5°	970.2	967.8	960.6	959.0	962.2	967.8	960.6	954.3	959.8	965.4	966.2
30°	999.6	999.6	993.2	993.2	995.6	998.0	991.6	985.3	990.8	997.2	998.0
32.5°	1040.9	1038.5	1036.1	1036.9	1036.1	1032.9	1029.8	1029.0	1033.7	1037.7	1039.3
35°	1091.7	1090.9	1087.8	1089.4	1089.4	1089.4	1079.8	1076.6	1084.6	1087.8	1086.2
37.5°	1170.4	1169.6	1161.7	1156.9	1151.3	1149.0	1137.0	1136.2	1155.3	1164.8	1163.3
40°	1266.5	1263.4	1256.2	1248.3	1241.1	1236.4	1224.4	1233.2	1253.0	1260.2	1260.2
42.5°	1371.4	1367.5	1359.5	1355.5	1350.8	1346.0	1330.1	1334.1	1357.9	1365.1	1357.1
45°	1500.2	1494.6	1485.8	1477.1	1470.0	1460.4	1452.5	1456.5	1481.9	1490.6	1484.3
47.5°	1636.8	1635.2	1628.1	1620.9	1614.6	1608.2	1597.9	1605.0	1627.3	1625.7	1613.0
50°	1781.4	1784.6	1785.4	1792.6	1787.8	1788.6	1769.5	1765.5	1783.0	1772.7	1756.8
52.5°	1937.2	1941.9	1958.6	1972.9	1999.1	2002.3	1978.5	1953.1	1949.9	1922.9	1906.2
55°	2117.5	2116.7	2153.3	2193.0	2251.0	2269.3	2216.1	2168.4	2142.2	2089.7	2072.2
57.5°	2321.7	2319.4	2375.0	2444.9	2549.8	2595.1	2497.3	2406.8	2343.2	2280.4	2262.1
60°	2543.4	2549.0	2616.5	2730.1	2911.3	2974.1	2826.3	2676.1	2579.2	2497.3	2490.2
62.5°	2802.5	2803.3	2882.7	3036.9	3272.0	3373.0	3169.5	2966.1	2843.0	2753.2	2734.1
65°	3108.4	3113.9	3198.9	3354.7	3624.8	3749.6	3515.2	3267.3	3121.9	3000.3	2997.9
67.5°	3422.2	3419.0	3496.9	3662.2	3922.8	4038.0	3792.5	3516.0	3326.9	3175.1	3155.2
70°	3623.2	3640.7	3725.0	3883.1	4132.6	4244.6	3945.8	3612.1	3414.3	3275.2	3265.7
72.5°	3454.0	3486.6	3595.4	3857.6	4211.2	4343.9	3909.3	3512.8	3263.3	3123.5	3123.5
75°	2804.0	2858.1	3009.8	3413.5	3939.5	4169.1	3619.3	3074.2	2711.1	2561.7	2561.7
77.5°	1708.3	1760.0	1965.0	2457.6	3181.5	3475.5	2950.2	2315.4	1895.1	1712.3	1688.5
80°	568.1	601.5	802.5	1249.1	1953.1	2313.0	1976.9	1315.0	848.6	646.8	643.6
82.5°	151.0	164.5	228.8	362.3	847.8	1253.0	904.2	433.8	248.7	193.1	178.0
85°	52.4	56.4	96.9	120.8	215.3	414.8	251.9	157.3	120.8	73.1	68.3
87.5°	15.1	16.7	38.9	42.1	62.0	48.5	68.3	62.8	57.2	23.8	21.5
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)