

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: P672552

Luminaire Tested: **CCP-SA-2E-740-U-5MQ**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P672552
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2E-740-U-5MQ
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @1050mA w/ 5MQ distribution lens
Light Source: (32) 4000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

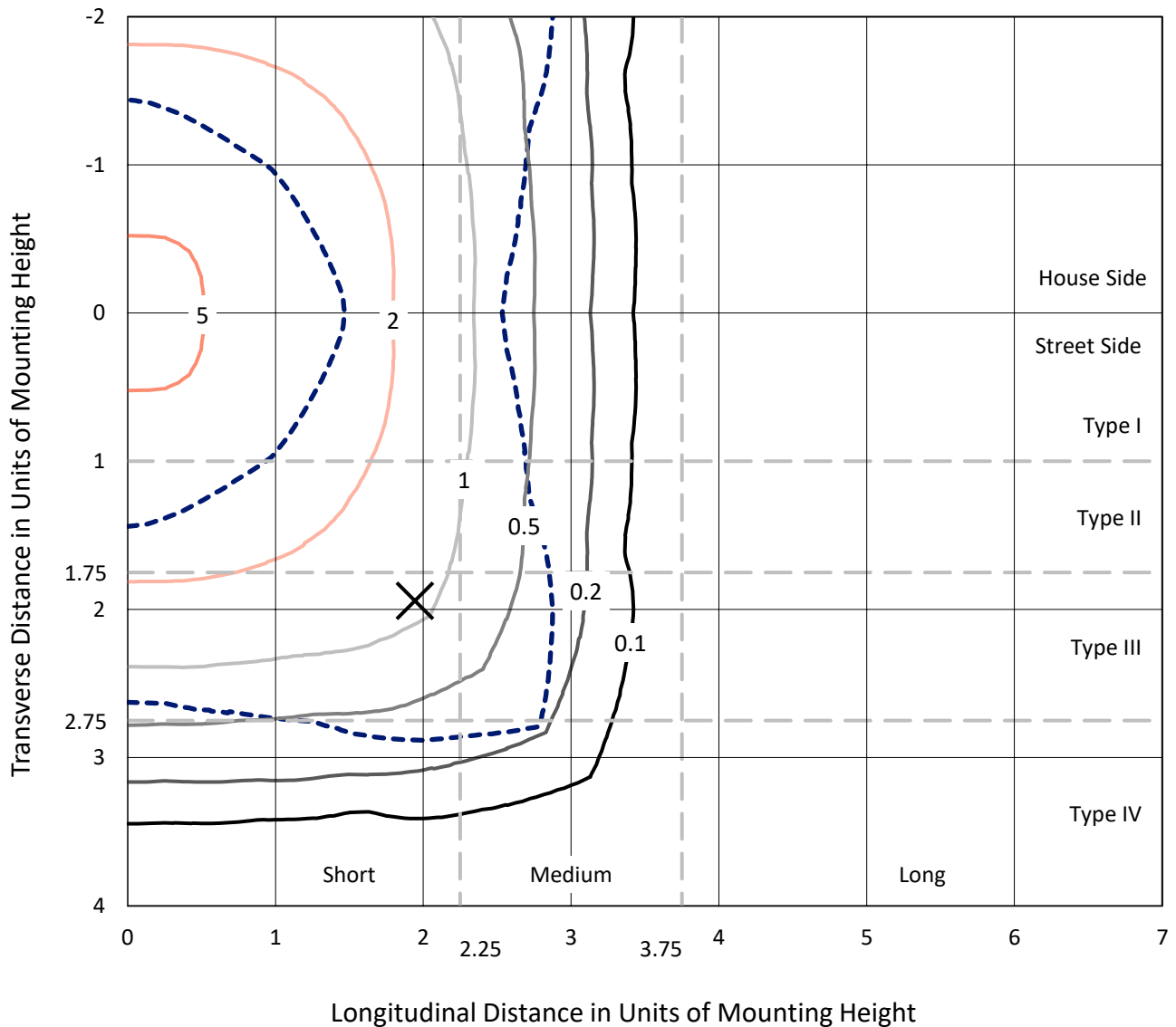
Lumens per Lamp: N/A
Luminaire Lumens: 14114 lumens
Efficiency: N/A
Efficacy: 132.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

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

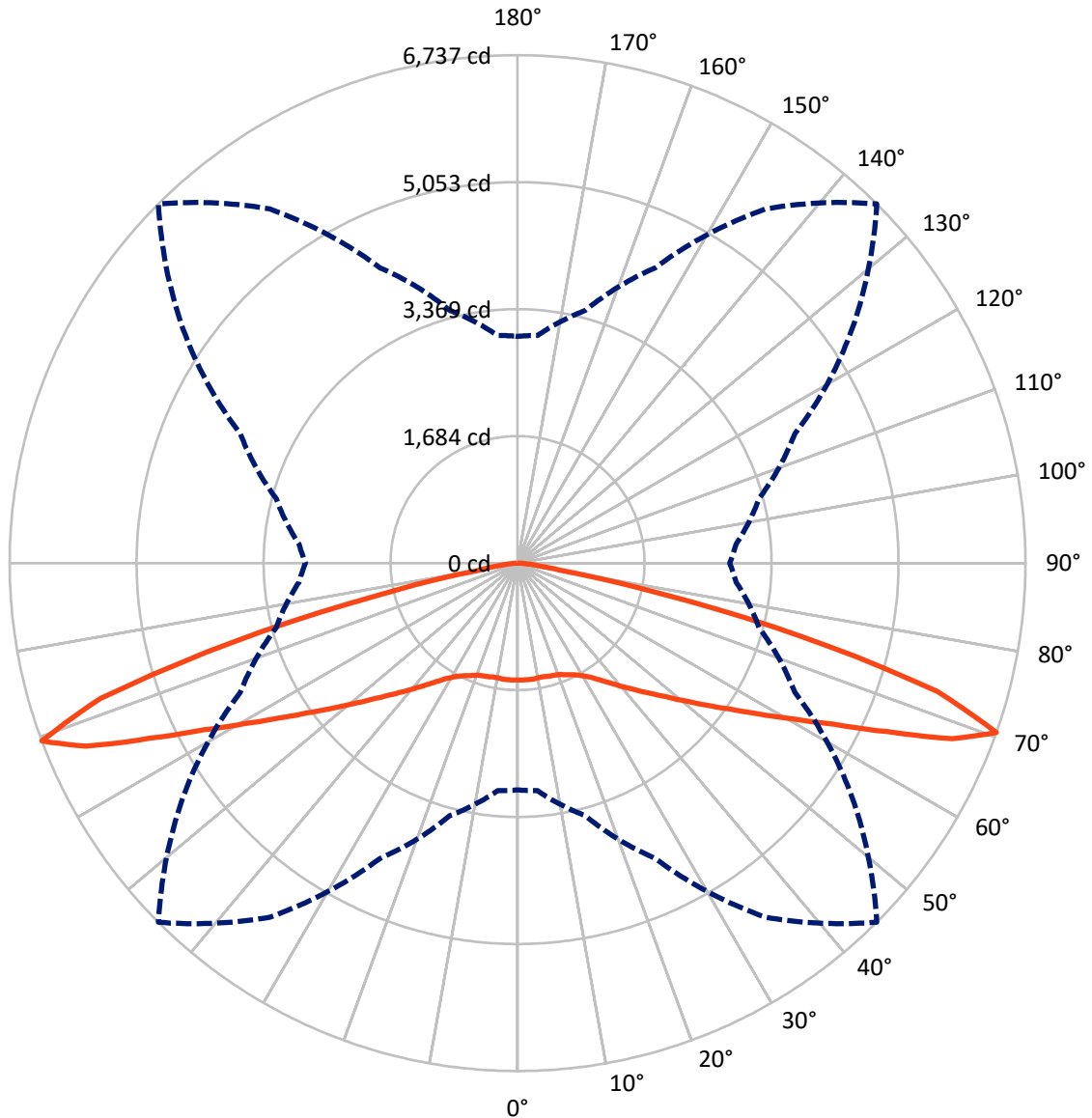
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 6.9 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7057.0	0.0	7057.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7057.0	0.0	7057.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	14114.0	0.0	14114.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	147.6	1.0
10°-20°	437.0	3.1
20°-30°	746.2	5.3
30°-40°	1190.8	8.4
40°-50°	1921.5	13.6
50°-60°	3076.9	21.8
60°-70°	4504.4	31.9
70°-80°	1981.0	14.0
80°-90°	108.6	0.8
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°	14114.0	100.0
0°-180°	14114.0	100.0



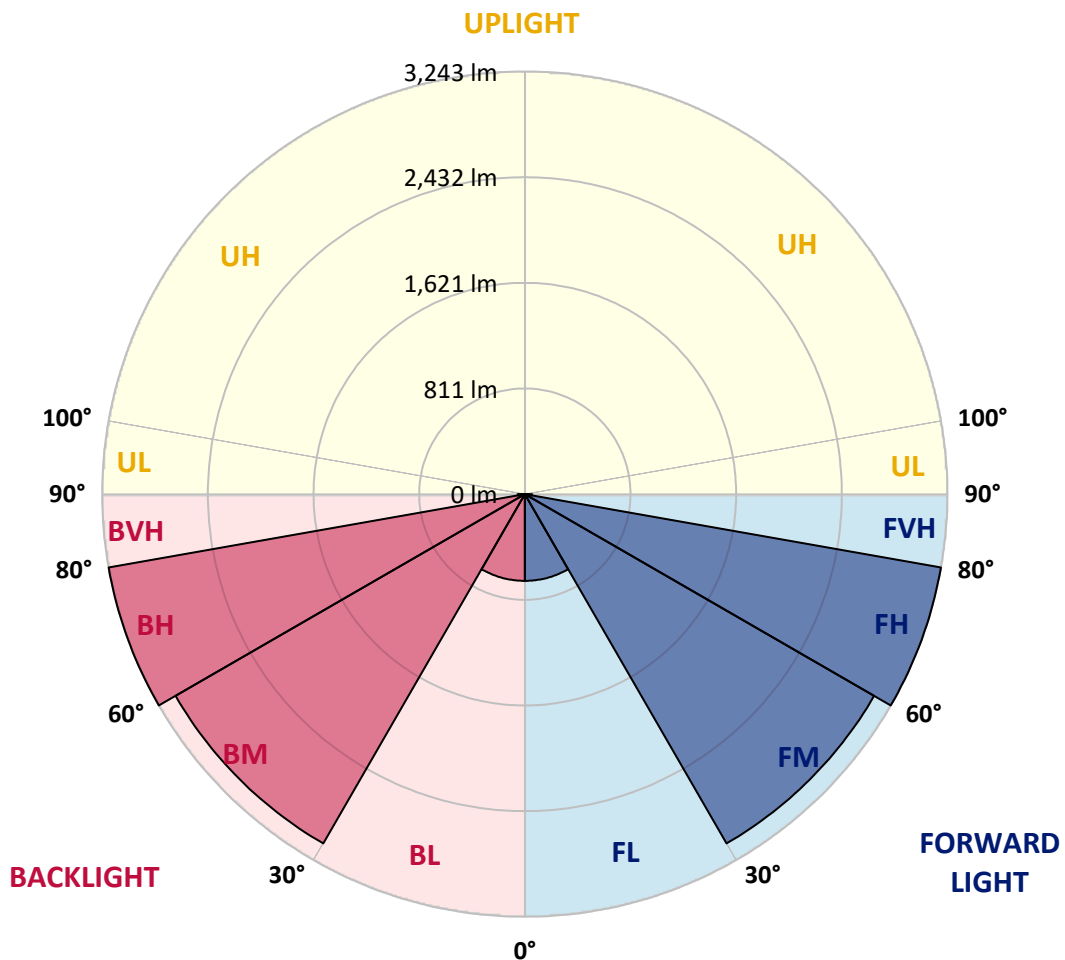
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	665.4	4.7			
FM (30°-60°)	3094.6	21.9			
FH (60°-80°)	3242.7	23.0			G2/5000
FVH (80°-90°)	54.3	0.4			G1/100
BL (0°-30°)	665.4	4.7	B2/1000		
BM (30°-60°)	3094.6	21.9	B3/5000		
BH (60°-80°)	3242.7	23.0	B4/5000		G2/5000
BVH (80°-90°)	54.3	0.4			G1/100
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°	1552.1	1552.1	1552.1	1552.1	1552.1	1552.1	1552.1	1552.1	1552.1	1552.1	1552.1
2.5°	1550.1	1549.1	1551.1	1552.1	1550.1	1551.1	1545.1	1545.1	1548.1	1545.1	1549.1
5°	1557.1	1555.1	1557.1	1557.1	1552.1	1552.1	1545.1	1543.1	1545.1	1540.1	1544.1
7.5°	1558.1	1554.1	1557.1	1556.1	1552.1	1552.1	1542.1	1538.1	1539.1	1534.1	1537.1
10°	1548.1	1546.1	1550.1	1548.1	1545.1	1545.1	1537.1	1531.1	1531.1	1526.1	1529.1
12.5°	1542.1	1540.1	1545.1	1546.1	1544.1	1545.1	1535.1	1527.1	1524.1	1518.1	1520.1
15°	1542.1	1538.1	1546.1	1548.1	1550.1	1557.1	1542.1	1528.1	1522.1	1514.1	1516.1
17.5°	1541.1	1539.1	1548.1	1555.1	1557.1	1565.1	1548.1	1533.1	1526.1	1514.1	1516.1
20°	1541.1	1540.1	1551.1	1564.1	1570.1	1577.1	1559.1	1545.1	1533.1	1520.1	1520.1
22.5°	1546.1	1545.1	1560.1	1579.1	1596.1	1608.1	1587.1	1564.1	1548.1	1531.1	1529.1
25°	1567.1	1565.1	1583.1	1606.1	1629.1	1641.1	1620.1	1597.1	1574.1	1555.1	1553.1
27.5°	1610.1	1609.1	1627.1	1655.1	1671.1	1680.1	1662.1	1642.1	1619.1	1597.1	1596.1
30°	1668.1	1668.1	1691.1	1720.1	1729.1	1736.1	1718.1	1704.1	1680.1	1656.1	1654.1
32.5°	1738.1	1742.1	1769.1	1801.1	1807.1	1811.1	1792.1	1783.1	1757.1	1731.1	1727.1
35°	1830.1	1831.1	1864.1	1896.1	1904.1	1908.1	1886.1	1878.1	1854.1	1826.1	1820.1
37.5°	1947.1	1944.1	1975.1	2011.1	2019.1	2024.1	2006.1	2000.1	1970.1	1942.1	1933.1
40°	2078.1	2080.1	2115.1	2149.1	2154.1	2156.1	2147.1	2138.1	2110.1	2078.1	2067.1
42.5°	2230.1	2230.1	2271.1	2311.1	2311.1	2301.1	2297.1	2295.1	2268.1	2232.1	2220.1
45°	2404.1	2406.1	2457.1	2487.1	2489.1	2462.1	2466.1	2478.1	2452.1	2406.1	2390.1
47.5°	2595.1	2598.1	2658.1	2691.1	2685.1	2650.1	2672.1	2678.1	2648.1	2589.1	2568.1
50°	2796.1	2805.1	2872.1	2930.1	2922.1	2871.1	2900.1	2902.1	2853.1	2785.1	2756.1
52.5°	3013.1	3034.1	3123.1	3185.1	3193.1	3129.1	3154.1	3152.1	3089.1	2996.1	2977.1
55°	3282.1	3294.1	3382.2	3470.2	3500.2	3421.2	3449.2	3435.2	3350.2	3244.1	3212.1
57.5°	3551.2	3569.2	3682.2	3781.2	3841.2	3774.2	3780.2	3744.2	3637.2	3509.2	3493.2
60°	3870.2	3878.2	4003.2	4132.2	4236.2	4196.2	4168.2	4093.2	3967.2	3839.2	3816.2
62.5°	4131.2	4147.2	4333.2	4523.2	4699.2	4706.2	4621.2	4509.2	4308.2	4094.2	4048.2
65°	4203.2	4229.2	4490.2	4865.2	5231.2	5394.2	5161.2	4819.2	4370.2	4047.2	3978.2
67.5°	3868.2	3918.2	4291.2	4914.2	5726.3	6215.3	5591.3	4672.2	4045.2	3668.2	3602.2
70°	3008.1	3030.1	3468.2	4323.2	5734.3	6737.3	5418.2	4057.2	3316.1	2911.1	2814.1
72.5°	1598.1	1609.1	2004.1	2911.1	4666.2	5820.3	4477.2	2839.1	1952.1	1584.1	1473.1
75°	516.0	530.0	690.0	1192.1	2574.1	3911.2	2640.1	1181.1	673.0	543.0	514.0
77.5°	263.0	262.0	291.0	384.0	866.0	1917.1	916.0	414.0	291.0	261.0	253.0
80°	164.0	161.0	183.0	210.0	303.0	560.0	329.0	232.0	184.0	158.0	157.0
82.5°	93.0	93.0	123.0	135.0	171.0	231.0	192.0	159.0	126.0	94.0	91.0
85°	52.0	46.0	77.0	85.0	98.0	114.0	117.0	103.0	85.0	52.0	54.0
87.5°	19.0	21.0	36.0	34.0	39.0	27.0	48.0	54.0	48.0	25.0	21.0
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)