

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: P672530

Luminaire Tested: **CCP-SA-2E-730-U-5MQ**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P672530
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2E-730-U-5MQ
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @1050mA w/ 5MQ distribution lens
Light Source: (32) 3000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

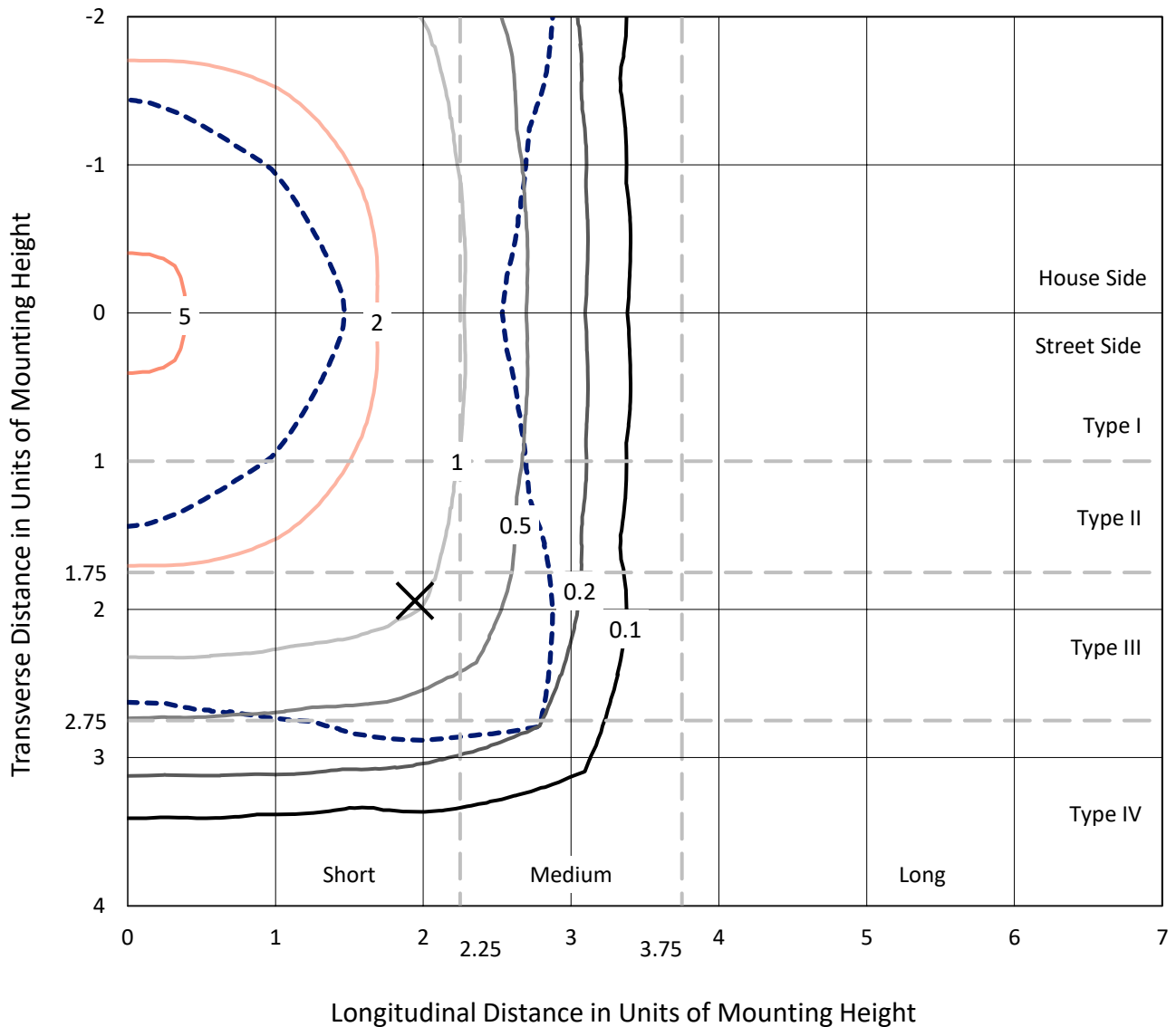
Lumens per Lamp: N/A
Luminaire Lumens: 12852.2 lumens
Efficiency: N/A
Efficacy: 120.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

Input Watts (W): 106.6
Input Voltage (V): 120
Input Current (A_{in}): 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

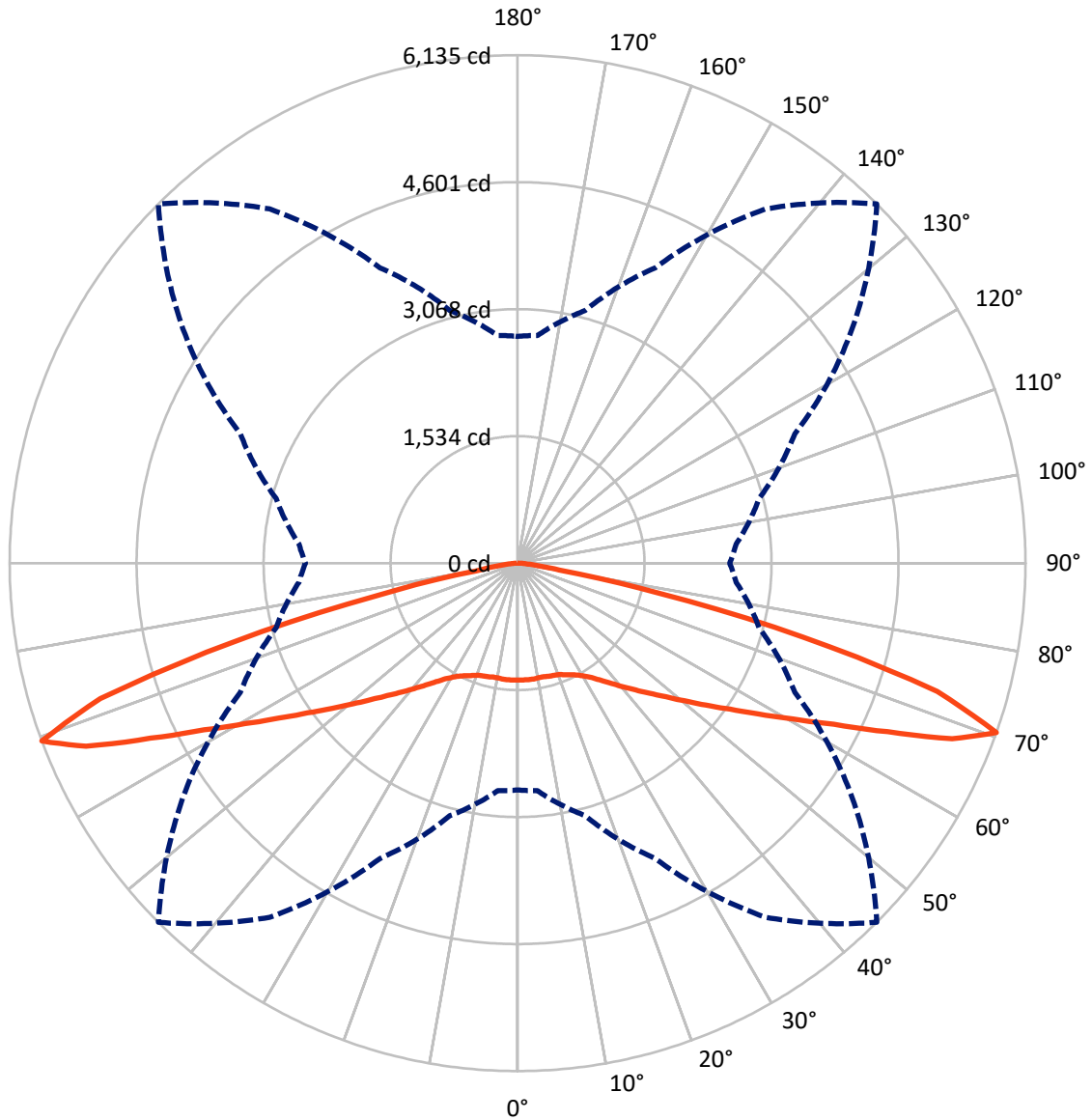
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 6.3 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	6426.1	0.0	6426.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6426.1	0.0	6426.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	12852.2	0.0	12852.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	134.4	1.0
10°-20°	397.9	3.1
20°-30°	679.5	5.3
30°-40°	1084.3	8.4
40°-50°	1749.7	13.6
50°-60°	2801.8	21.8
60°-70°	4101.7	31.9
70°-80°	1803.9	14.0
80°-90°	98.9	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°	12852.2	100.0
0°-180°	12852.2	100.0



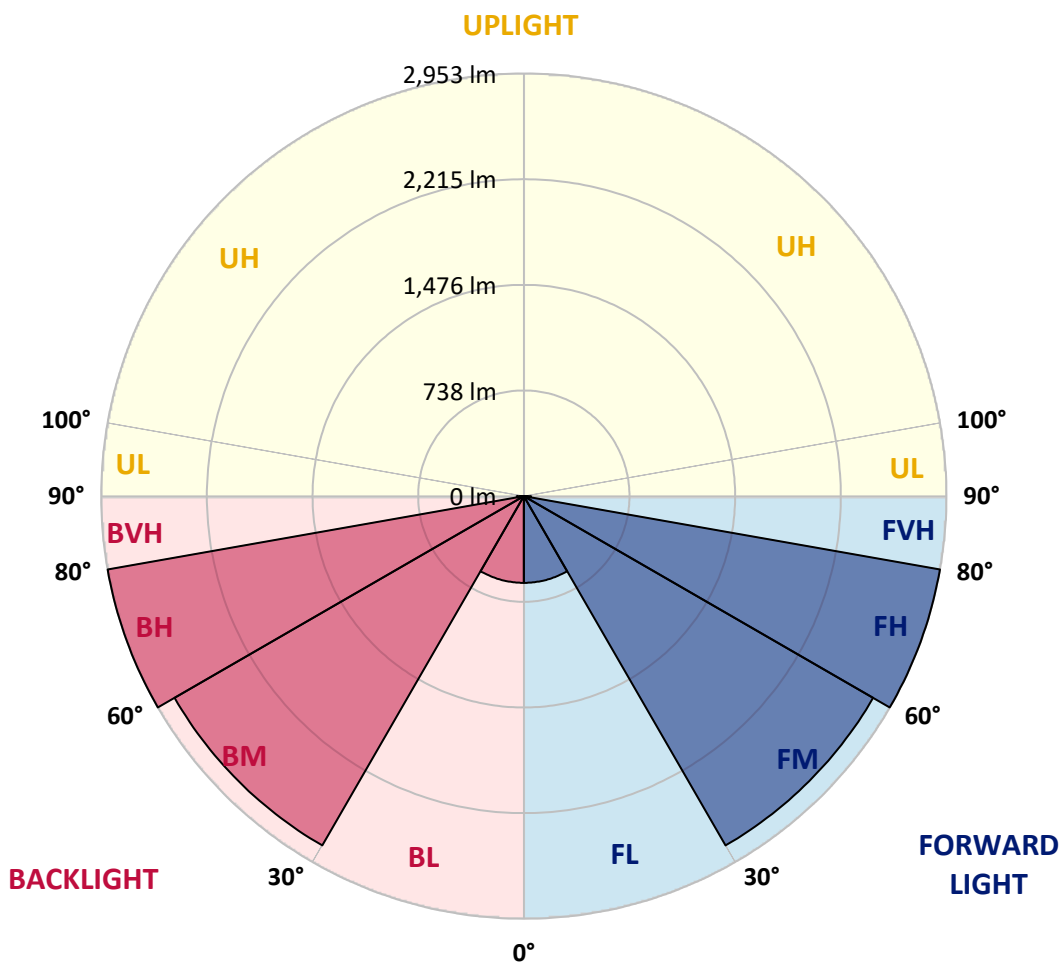
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	605.9	4.7			
FM (30°-60°)	2817.9	21.9			
FH (60°-80°)	2952.8	23.0			G2/5000
FVH (80°-90°)	49.4	0.4			G1/100
BL (0°-30°)	605.9	4.7	B2/1000		
BM (30°-60°)	2817.9	21.9	B3/5000		
BH (60°-80°)	2952.8	23.0	B4/5000		G2/5000
BVH (80°-90°)	49.4	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°	1413.3	1413.3	1413.3	1413.3	1413.3	1413.3	1413.3	1413.3	1413.3	1413.3	1413.3
2.5°	1411.5	1410.6	1412.4	1413.3	1411.5	1412.4	1406.9	1406.9	1409.7	1406.9	1410.6
5°	1417.9	1416.0	1417.9	1417.9	1413.3	1413.3	1406.9	1405.1	1406.9	1402.4	1406.0
7.5°	1418.8	1415.1	1417.9	1417.0	1413.3	1413.3	1404.2	1400.6	1401.5	1396.9	1399.7
10°	1409.7	1407.9	1411.5	1409.7	1406.9	1406.9	1399.7	1394.2	1394.2	1389.6	1392.4
12.5°	1404.2	1402.4	1406.9	1407.9	1406.0	1406.9	1397.8	1390.5	1387.8	1382.4	1384.2
15°	1404.2	1400.6	1407.9	1409.7	1411.5	1417.9	1404.2	1391.5	1386.0	1378.7	1380.5
17.5°	1403.3	1401.5	1409.7	1416.0	1417.9	1425.2	1409.7	1396.0	1389.6	1378.7	1380.5
20°	1403.3	1402.4	1412.4	1424.2	1429.7	1436.1	1419.7	1406.9	1396.0	1384.2	1384.2
22.5°	1407.9	1406.9	1420.6	1437.9	1453.4	1464.3	1445.2	1424.2	1409.7	1394.2	1392.4
25°	1427.0	1425.2	1441.5	1462.5	1483.4	1494.4	1475.2	1454.3	1433.3	1416.0	1414.2
27.5°	1466.1	1465.2	1481.6	1507.1	1521.7	1529.9	1513.5	1495.3	1474.3	1454.3	1453.4
30°	1518.9	1518.9	1539.9	1566.3	1574.5	1580.9	1564.5	1551.7	1529.9	1508.0	1506.2
32.5°	1582.7	1586.3	1610.9	1640.1	1645.5	1649.2	1631.9	1623.7	1600.0	1576.3	1572.7
35°	1666.5	1667.4	1697.4	1726.6	1733.9	1737.5	1717.5	1710.2	1688.3	1662.8	1657.4
37.5°	1773.0	1770.3	1798.5	1831.3	1838.6	1843.1	1826.7	1821.3	1794.0	1768.5	1760.3
40°	1892.3	1894.1	1926.0	1957.0	1961.5	1963.3	1955.1	1947.0	1921.5	1892.3	1882.3
42.5°	2030.7	2030.7	2068.1	2104.5	2104.5	2095.4	2091.7	2089.9	2065.3	2032.6	2021.6
45°	2189.2	2191.0	2237.4	2264.8	2266.6	2242.0	2245.6	2256.6	2232.9	2191.0	2176.4
47.5°	2363.1	2365.8	2420.5	2450.5	2445.1	2413.2	2433.2	2438.7	2411.4	2357.6	2338.5
50°	2546.2	2554.3	2615.4	2668.2	2660.9	2614.5	2640.9	2642.7	2598.1	2536.1	2509.7
52.5°	2743.8	2762.9	2843.9	2900.4	2907.7	2849.4	2872.2	2870.3	2813.0	2728.3	2711.0
55°	2988.7	2999.7	3079.8	3159.9	3187.2	3115.3	3140.8	3128.1	3050.6	2954.1	2925.0
57.5°	3233.7	3250.1	3353.0	3443.1	3497.8	3436.8	3442.2	3409.4	3312.0	3195.4	3180.9
60°	3524.2	3531.5	3645.3	3762.8	3857.5	3821.1	3795.6	3727.3	3612.5	3496.0	3475.0
62.5°	3761.9	3776.4	3945.8	4118.8	4279.1	4285.5	4208.1	4106.1	3923.0	3728.2	3686.3
65°	3827.4	3851.1	4088.8	4430.3	4763.6	4912.0	4699.8	4388.4	3979.5	3685.4	3622.5
67.5°	3522.4	3567.9	3907.6	4474.9	5214.3	5659.6	5091.4	4254.5	3683.5	3340.2	3280.1
70°	2739.2	2759.2	3158.1	3936.7	5221.6	6135.0	4933.9	3694.5	3019.7	2650.9	2562.5
72.5°	1455.2	1465.2	1824.9	2650.9	4249.1	5299.9	4076.9	2585.3	1777.6	1442.5	1341.4
75°	469.9	482.6	628.3	1085.5	2344.0	3561.5	2404.1	1075.5	612.9	494.5	468.1
77.5°	239.5	238.6	265.0	349.7	788.6	1745.7	834.1	377.0	265.0	237.7	230.4
80°	149.3	146.6	166.6	191.2	275.9	510.0	299.6	211.3	167.6	143.9	143.0
82.5°	84.7	84.7	112.0	122.9	155.7	210.4	174.8	144.8	114.7	85.6	82.9
85°	47.4	41.9	70.1	77.4	89.2	103.8	106.5	93.8	77.4	47.4	49.2
87.5°	17.3	19.1	32.8	31.0	35.5	24.6	43.7	49.2	43.7	22.8	19.1
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)