

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: P672519

Luminaire Tested: **CCP-SA-2E-727-U-5MQ**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P672519
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2E-727-U-5MQ
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @1050mA w/ 5MQ distribution lens
Light Source: (32) 2700K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

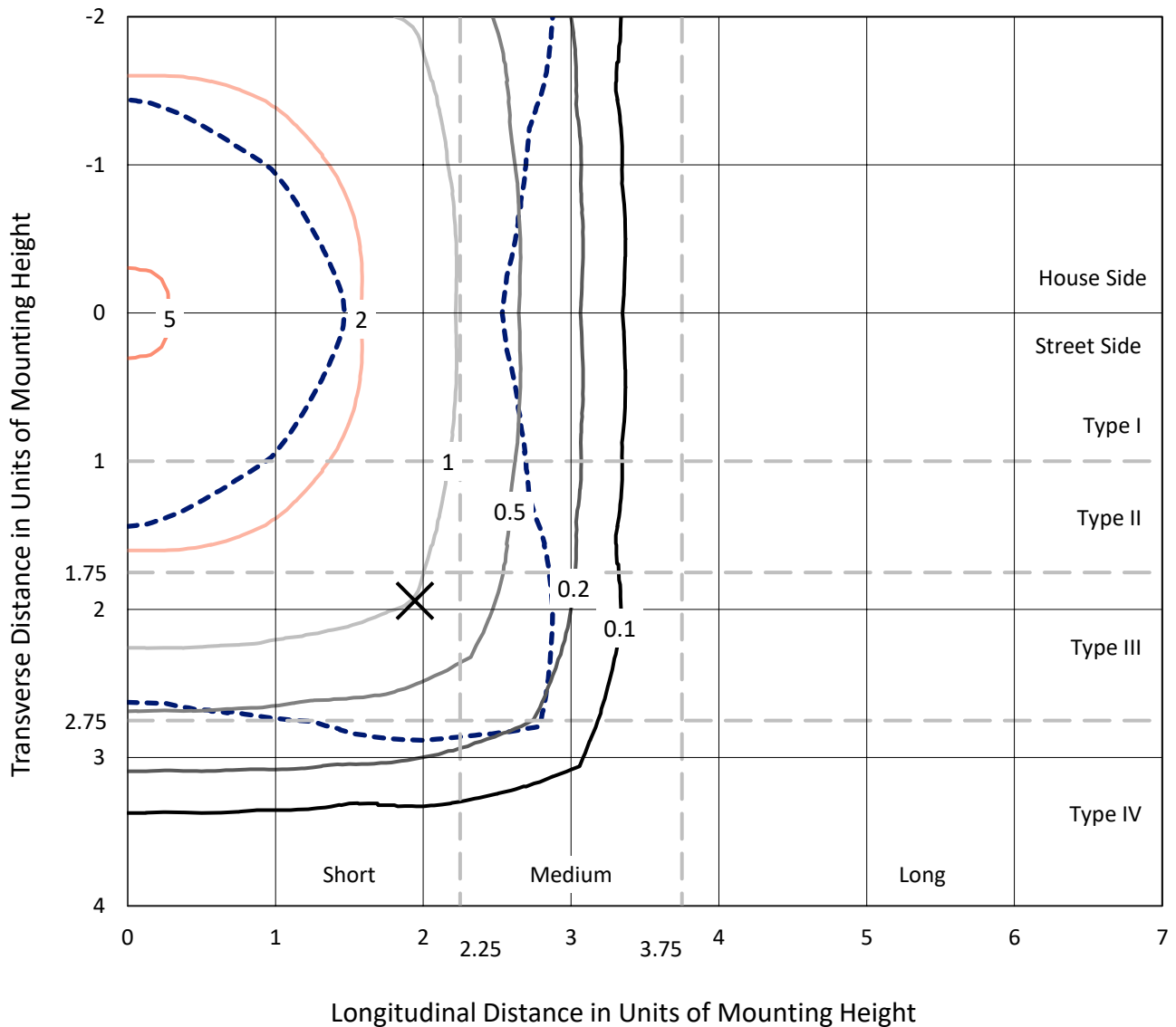
Lumens per Lamp: N/A
Luminaire Lumens: 11803.5 lumens
Efficiency: N/A
Efficacy: 110.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

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

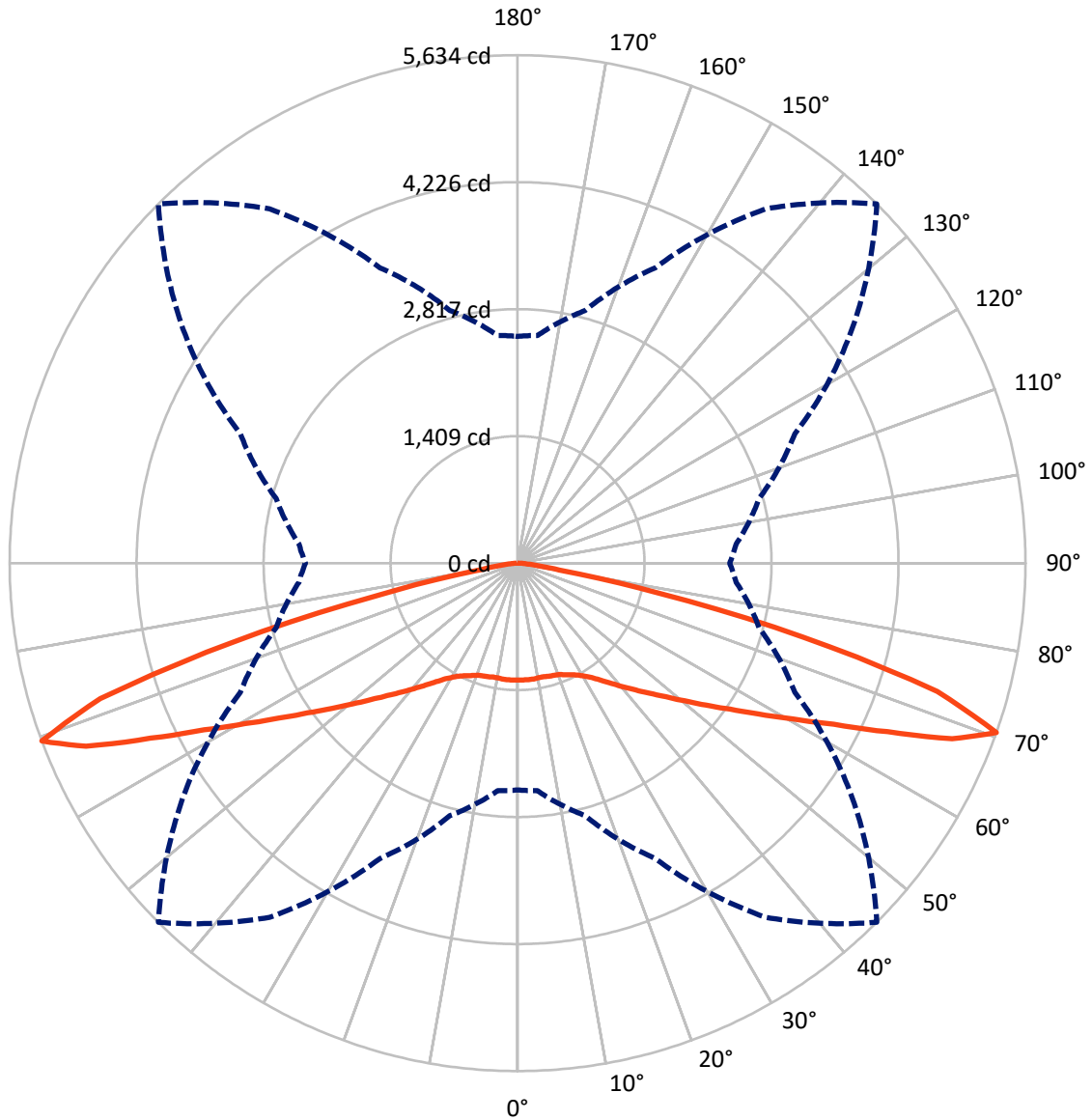
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 5.8 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	5901.7	0.0	5901.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5901.7	0.0	5901.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	11803.5	0.0	11803.5
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	123.5	1.0
10°-20°	365.4	3.1
20°-30°	624.0	5.3
30°-40°	995.8	8.4
40°-50°	1607.0	13.6
50°-60°	2573.2	21.8
60°-70°	3767.0	31.9
70°-80°	1656.7	14.0
80°-90°	90.8	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°	11803.5	100.0
0°-180°	11803.5	100.0



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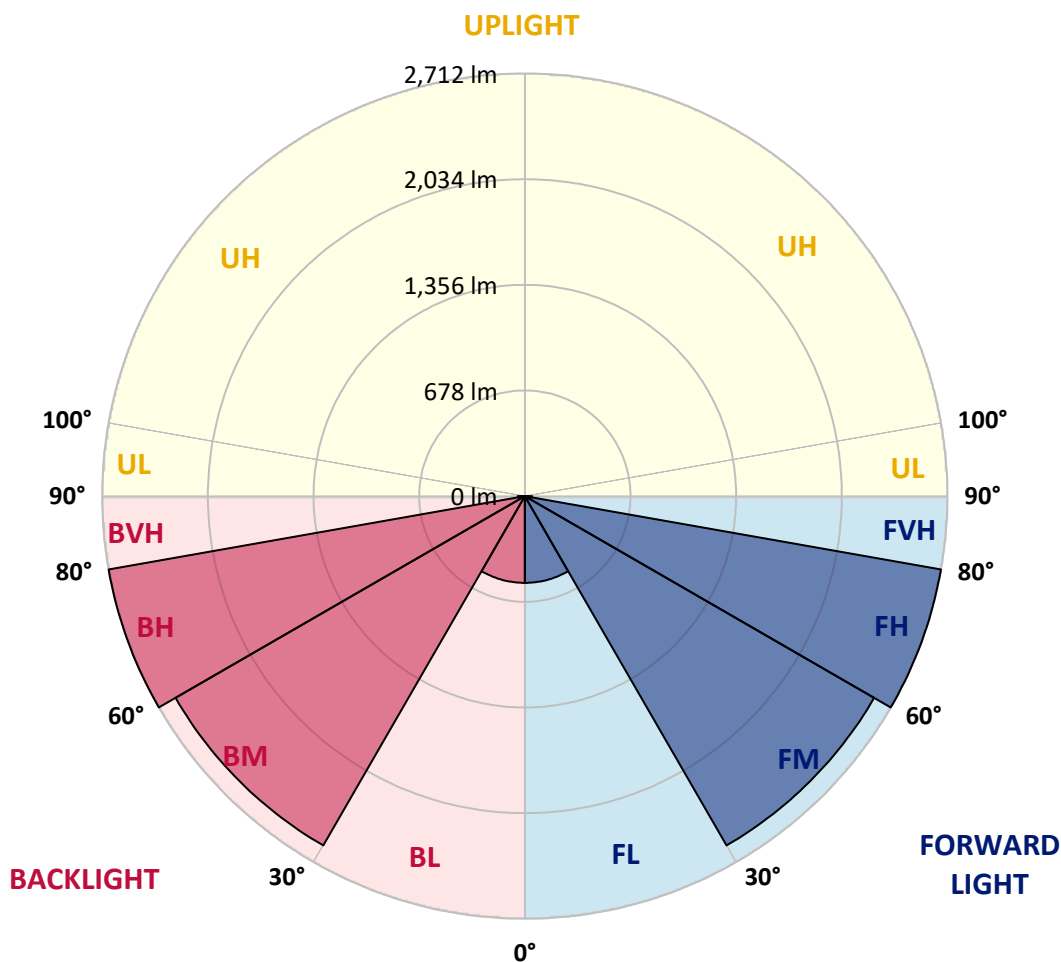
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	556.5	4.7			
FM (30°-60°)	2588.0	21.9			
FH (60°-80°)	2711.9	23.0			G2/5000
FVH (80°-90°)	45.4	0.4			G1/100
BL (0°-30°)	556.5	4.7	B2/1000		
BM (30°-60°)	2588.0	21.9	B3/5000		
BH (60°-80°)	2711.9	23.0	B4/5000		G2/5000
BVH (80°-90°)	45.4	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°	1298.0	1298.0	1298.0	1298.0	1298.0	1298.0	1298.0	1298.0	1298.0	1298.0	1298.0
2.5°	1296.3	1295.5	1297.2	1298.0	1296.3	1297.2	1292.1	1292.1	1294.7	1292.1	1295.5
5°	1302.2	1300.5	1302.2	1302.2	1298.0	1298.0	1292.1	1290.5	1292.1	1288.0	1291.3
7.5°	1303.0	1299.7	1302.2	1301.3	1298.0	1298.0	1289.6	1286.3	1287.1	1282.9	1285.5
10°	1294.7	1293.0	1296.3	1294.7	1292.1	1292.1	1285.5	1280.4	1280.4	1276.3	1278.8
12.5°	1289.6	1288.0	1292.1	1293.0	1291.3	1292.1	1283.8	1277.1	1274.6	1269.6	1271.2
15°	1289.6	1286.3	1293.0	1294.7	1296.3	1302.2	1289.6	1277.9	1272.9	1266.2	1267.9
17.5°	1288.8	1287.1	1294.7	1300.5	1302.2	1308.9	1294.7	1282.1	1276.3	1266.2	1267.9
20°	1288.8	1288.0	1297.2	1308.0	1313.1	1318.9	1303.9	1292.1	1282.1	1271.2	1271.2
22.5°	1293.0	1292.1	1304.7	1320.6	1334.8	1344.8	1327.3	1308.0	1294.7	1280.4	1278.8
25°	1310.5	1308.9	1323.9	1343.2	1362.4	1372.4	1354.9	1335.6	1316.4	1300.5	1298.8
27.5°	1346.5	1345.7	1360.7	1384.1	1397.5	1405.0	1390.0	1373.3	1354.0	1335.6	1334.8
30°	1395.0	1395.0	1414.2	1438.5	1446.0	1451.9	1436.8	1425.1	1405.0	1385.0	1383.3
32.5°	1453.6	1456.9	1479.5	1506.2	1511.3	1514.6	1498.7	1491.2	1469.4	1447.7	1444.4
35°	1530.5	1531.3	1558.9	1585.7	1592.4	1595.7	1577.3	1570.6	1550.6	1527.2	1522.1
37.5°	1628.3	1625.8	1651.8	1681.9	1688.6	1692.7	1677.7	1672.7	1647.6	1624.2	1616.6
40°	1737.9	1739.6	1768.9	1797.3	1801.5	1803.1	1795.6	1788.1	1764.7	1737.9	1728.7
42.5°	1865.0	1865.0	1899.3	1932.8	1932.8	1924.4	1921.1	1919.4	1896.8	1866.7	1856.7
45°	2010.6	2012.2	2054.9	2080.0	2081.6	2059.1	2062.4	2072.4	2050.7	2012.2	1998.8
47.5°	2170.3	2172.8	2223.0	2250.6	2245.6	2216.3	2234.7	2239.7	2214.6	2165.3	2147.7
50°	2338.4	2345.9	2402.0	2450.5	2443.8	2401.1	2425.4	2427.1	2386.1	2329.2	2304.9
52.5°	2519.9	2537.4	2611.9	2663.7	2670.4	2616.9	2637.8	2636.1	2583.4	2505.7	2489.8
55°	2744.9	2754.9	2828.5	2902.1	2927.2	2861.1	2884.5	2872.8	2801.7	2713.1	2686.3
57.5°	2969.8	2984.9	3079.4	3162.2	3212.4	3156.3	3161.4	3131.2	3041.8	2934.7	2921.3
60°	3236.6	3243.3	3347.9	3455.7	3542.7	3509.3	3485.9	3423.1	3317.8	3210.7	3191.5
62.5°	3454.9	3468.3	3623.9	3782.8	3930.0	3935.8	3864.7	3771.0	3602.9	3424.0	3385.5
65°	3515.1	3536.9	3755.2	4068.8	4374.9	4511.2	4316.3	4030.3	3654.8	3384.7	3327.0
67.5°	3235.0	3276.8	3588.7	4109.8	4788.9	5197.8	4676.0	3907.4	3383.0	3067.7	3012.5
70°	2515.7	2534.1	2900.4	3615.5	4795.6	5634.4	4531.3	3393.0	2773.3	2434.6	2353.5
72.5°	1336.5	1345.7	1676.0	2434.6	3902.4	4867.5	3744.3	2374.4	1632.5	1324.8	1231.9
75°	431.6	443.3	577.1	996.9	2152.7	3270.9	2207.9	987.7	562.9	454.1	429.9
77.5°	220.0	219.1	243.4	321.2	724.3	1603.3	766.1	346.2	243.4	218.3	211.6
80°	137.2	134.7	153.0	175.6	253.4	468.3	275.2	194.0	153.9	132.1	131.3
82.5°	77.8	77.8	102.9	112.9	143.0	193.2	160.6	133.0	105.4	78.6	76.1
85°	43.5	38.5	64.4	71.1	82.0	95.3	97.9	86.1	71.1	43.5	45.2
87.5°	15.9	17.6	30.1	28.4	32.6	22.6	40.1	45.2	40.1	20.9	17.6
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)