

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: P672607

Luminaire Tested: **CCP-SA-2E-835-U-5MQ**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P672607
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2E-835-U-5MQ
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @1050mA w/ 5MQ distribution lens
Light Source: (32) 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

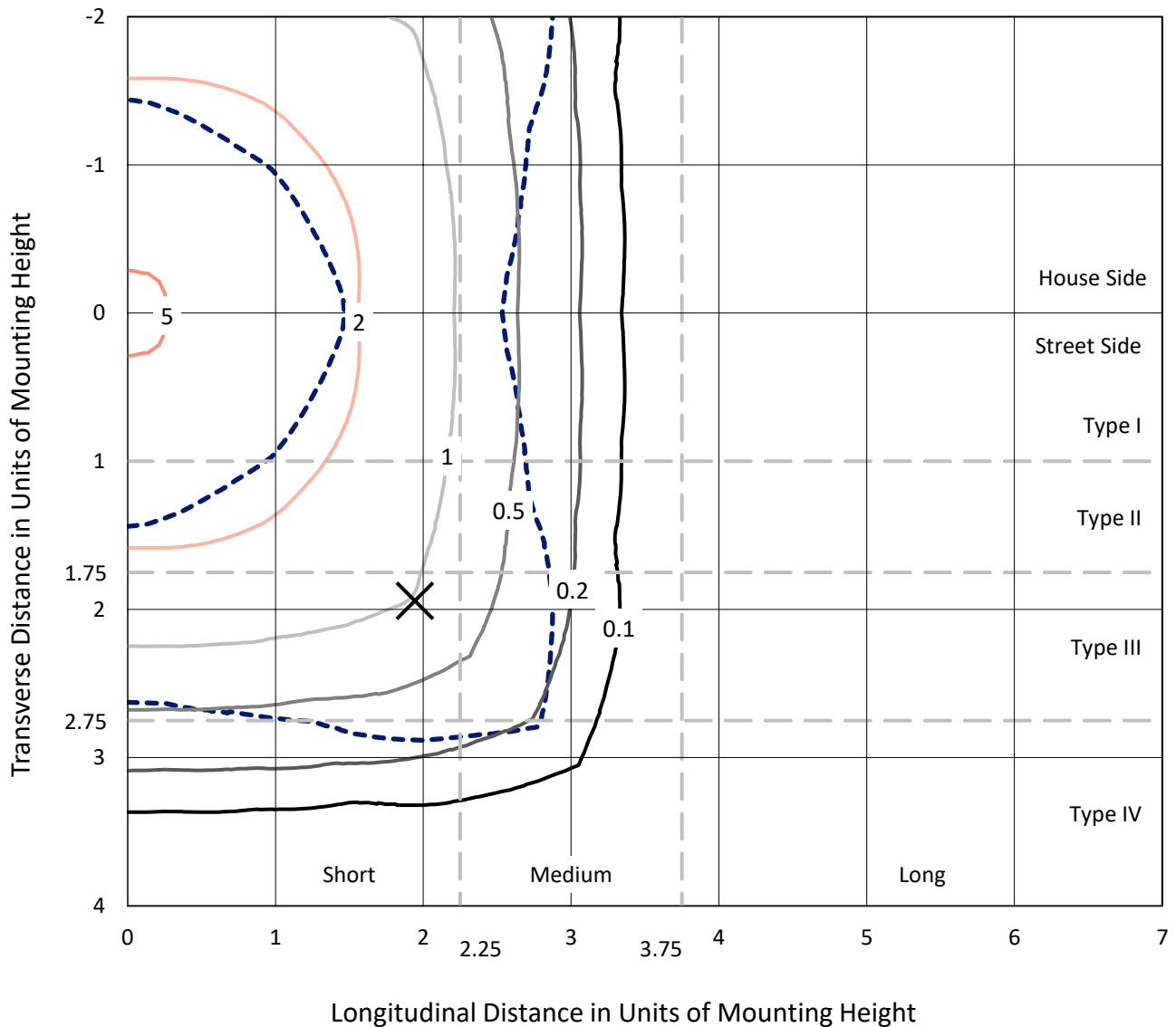
Lumens per Lamp: N/A
Luminaire Lumens: 11629.9 lumens
Efficiency: N/A
Efficacy: 109.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

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

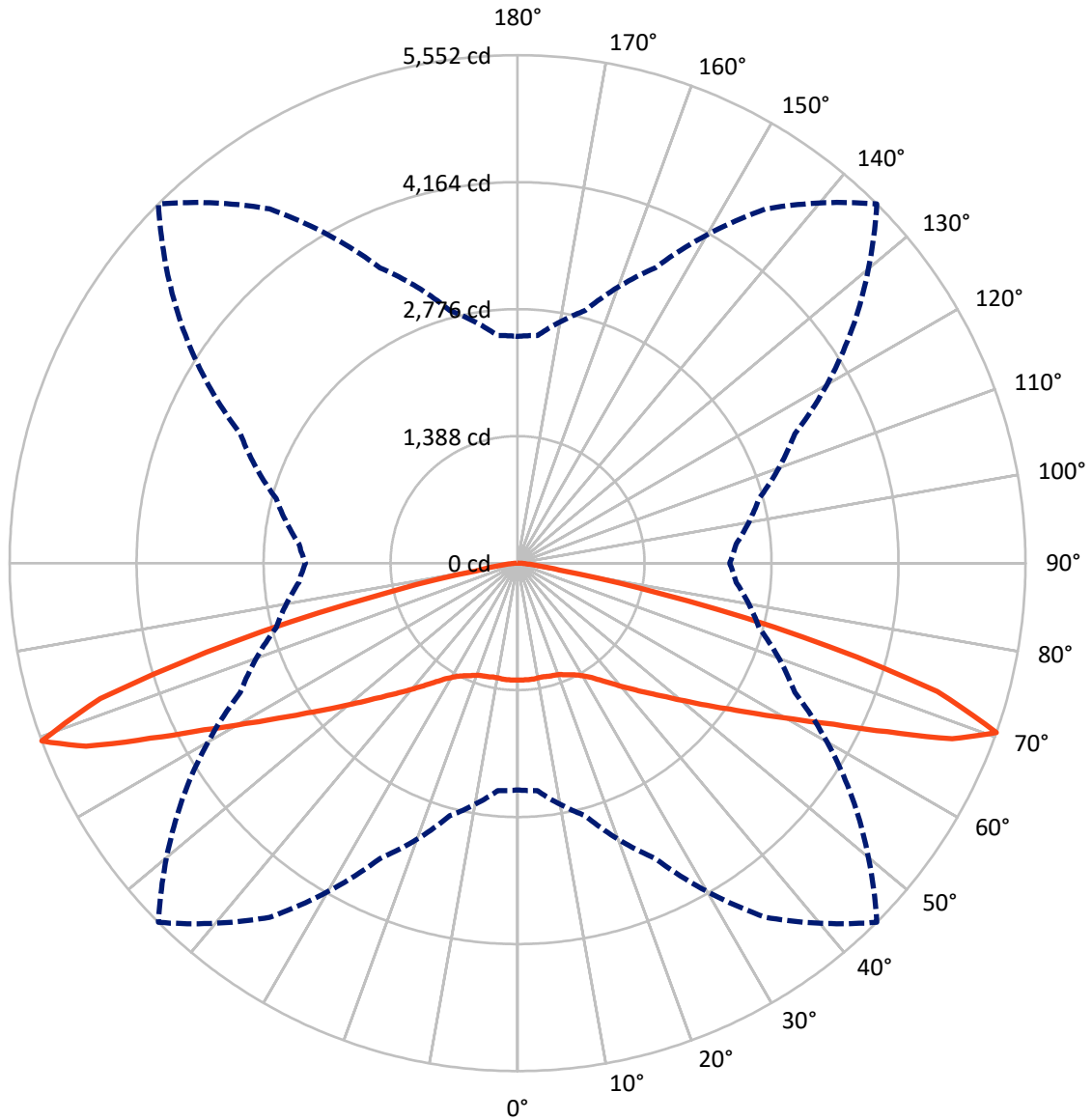
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 5.7 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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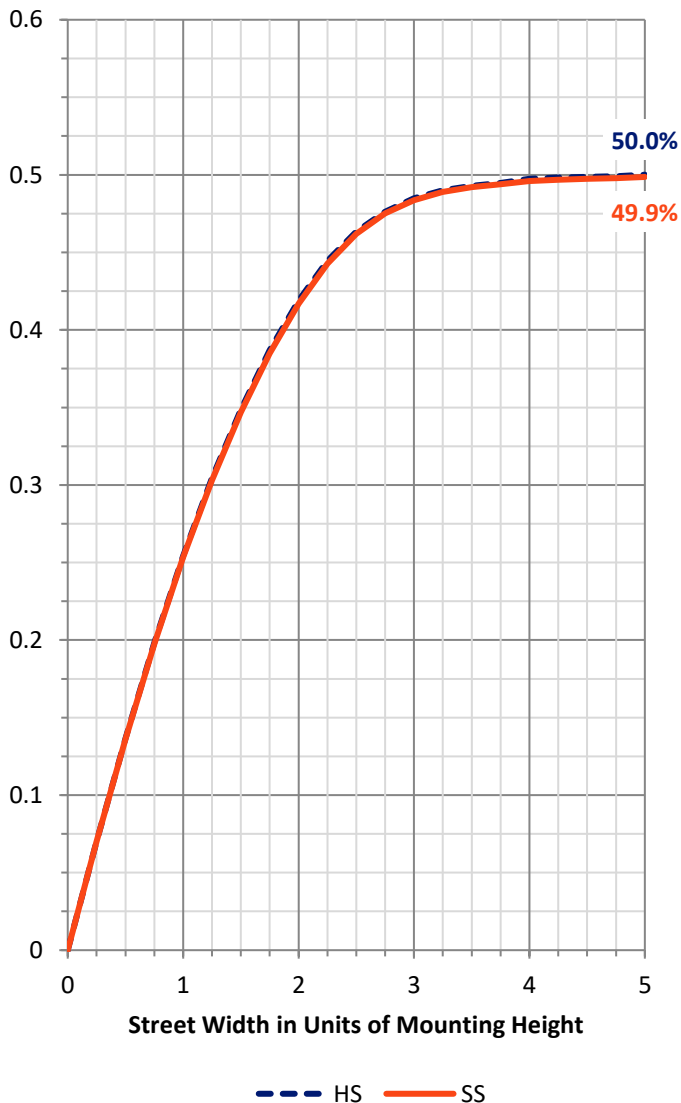
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5814.9	0.0	5814.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5814.9	0.0	5814.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	11629.9	0.0	11629.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	121.7	1.0
10°-20°	360.0	3.1
20°-30°	614.9	5.3
30°-40°	981.2	8.4
40°-50°	1583.3	13.6
50°-60°	2535.4	21.8
60°-70°	3711.6	31.9
70°-80°	1632.4	14.0
80°-90°	89.5	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°	11629.9	100.0
0°-180°	11629.9	100.0



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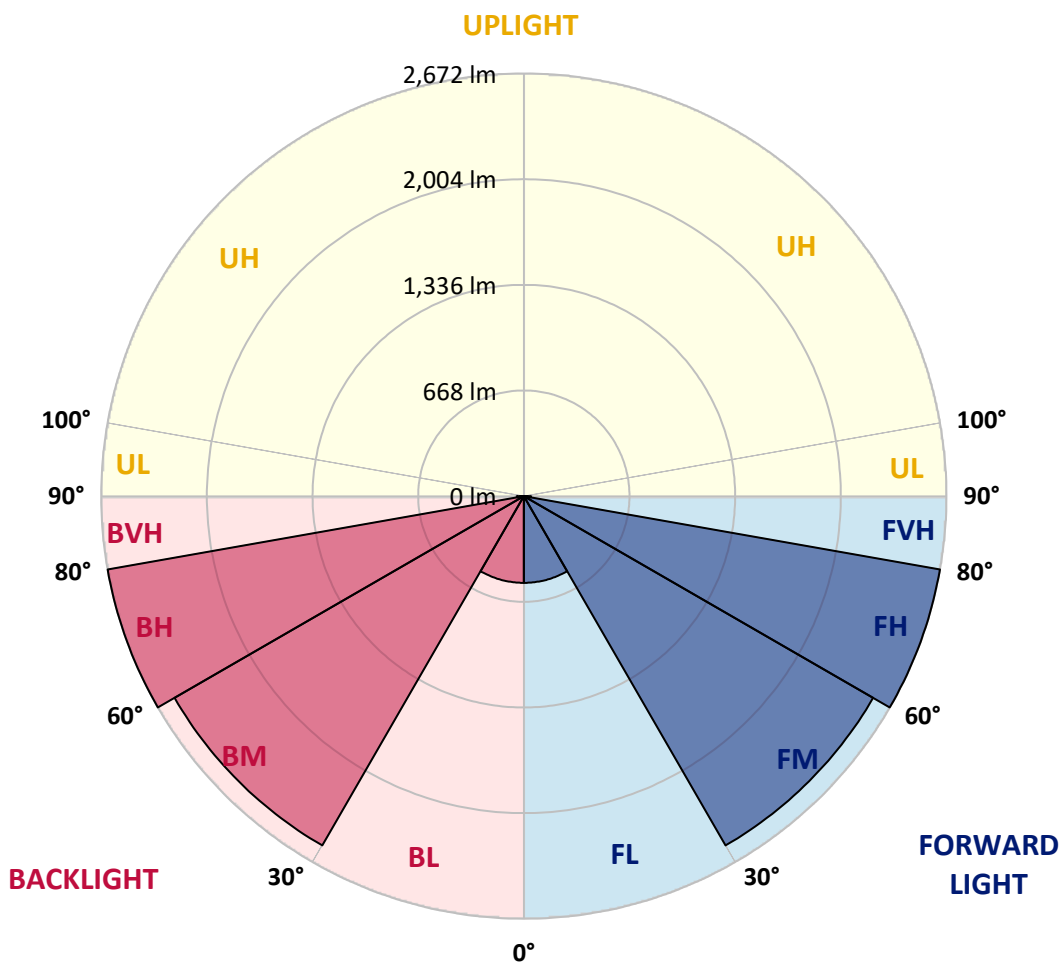
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	548.3	4.7			
FM (30°-60°)	2549.9	21.9			
FH (60°-80°)	2672.0	23.0			G2/5000
FVH (80°-90°)	44.7	0.4			G1/100
BL (0°-30°)	548.3	4.7	B2/1000		
BM (30°-60°)	2549.9	21.9	B3/5000		
BH (60°-80°)	2672.0	23.0	B4/5000		G2/5000
BVH (80°-90°)	44.7	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°	1278.9	1278.9	1278.9	1278.9	1278.9	1278.9	1278.9	1278.9	1278.9	1278.9	1278.9
2.5°	1277.3	1276.4	1278.1	1278.9	1277.3	1278.1	1273.1	1273.1	1275.6	1273.1	1276.4
5°	1283.0	1281.4	1283.0	1283.0	1278.9	1278.9	1273.1	1271.5	1273.1	1269.0	1272.3
7.5°	1283.8	1280.6	1283.0	1282.2	1278.9	1278.9	1270.7	1267.4	1268.2	1264.1	1266.5
10°	1275.6	1274.0	1277.3	1275.6	1273.1	1273.1	1266.5	1261.6	1261.6	1257.5	1260.0
12.5°	1270.7	1269.0	1273.1	1274.0	1272.3	1273.1	1264.9	1258.3	1255.8	1250.9	1252.5
15°	1270.7	1267.4	1274.0	1275.6	1277.3	1283.0	1270.7	1259.1	1254.2	1247.6	1249.2
17.5°	1269.8	1268.2	1275.6	1281.4	1283.0	1289.6	1275.6	1263.2	1257.5	1247.6	1249.2
20°	1269.8	1269.0	1278.1	1288.8	1293.7	1299.5	1284.7	1273.1	1263.2	1252.5	1252.5
22.5°	1274.0	1273.1	1285.5	1301.2	1315.2	1325.1	1307.7	1288.8	1275.6	1261.6	1260.0
25°	1291.3	1289.6	1304.5	1323.4	1342.4	1352.2	1334.9	1316.0	1297.0	1281.4	1279.7
27.5°	1326.7	1325.9	1340.7	1363.8	1377.0	1384.4	1369.5	1353.1	1334.1	1316.0	1315.2
30°	1374.5	1374.5	1393.4	1417.3	1424.8	1430.5	1415.7	1404.2	1384.4	1364.6	1363.0
32.5°	1432.2	1435.5	1457.7	1484.1	1489.0	1492.3	1476.7	1469.3	1447.8	1426.4	1423.1
35°	1508.0	1508.8	1536.0	1562.4	1569.0	1572.3	1554.1	1547.5	1527.8	1504.7	1499.7
37.5°	1604.4	1601.9	1627.5	1657.1	1663.7	1667.9	1653.0	1648.1	1623.4	1600.3	1592.9
40°	1712.3	1714.0	1742.8	1770.9	1775.0	1776.6	1769.2	1761.8	1738.7	1712.3	1703.3
42.5°	1837.6	1837.6	1871.4	1904.3	1904.3	1896.1	1892.8	1891.2	1868.9	1839.3	1829.4
45°	1981.0	1982.6	2024.7	2049.4	2051.0	2028.8	2032.1	2042.0	2020.5	1982.6	1969.4
47.5°	2138.4	2140.8	2190.3	2217.5	2212.5	2183.7	2201.8	2206.8	2182.1	2133.4	2116.1
50°	2304.0	2311.4	2366.6	2414.4	2407.8	2365.8	2389.7	2391.4	2351.0	2294.9	2271.0
52.5°	2482.8	2500.1	2573.5	2624.6	2631.2	2578.4	2599.0	2597.4	2545.5	2468.8	2453.2
55°	2704.5	2714.4	2786.9	2859.4	2884.1	2819.0	2842.1	2830.6	2760.5	2673.2	2646.8
57.5°	2926.2	2941.0	3034.1	3115.7	3165.1	3109.9	3114.9	3085.2	2997.0	2891.5	2878.4
60°	3189.0	3195.6	3298.6	3404.9	3490.6	3457.7	3434.6	3372.8	3269.0	3163.5	3144.5
62.5°	3404.1	3417.3	3570.6	3727.1	3872.2	3877.9	3807.9	3715.6	3550.0	3373.6	3335.7
65°	3463.4	3484.9	3699.9	4008.9	4310.5	4444.9	4252.9	3971.0	3601.0	3334.9	3278.0
67.5°	3187.4	3228.6	3535.9	4049.3	4718.4	5121.4	4607.2	3849.9	3333.2	3022.6	2968.2
70°	2478.7	2496.8	2857.8	3562.3	4725.0	5551.5	4464.6	3343.1	2732.5	2398.8	2318.8
72.5°	1316.8	1325.9	1651.4	2398.8	3845.0	4795.9	3689.2	2339.4	1608.5	1305.3	1213.8
75°	425.2	436.7	568.6	982.3	2121.1	3222.8	2175.5	973.2	554.6	447.5	423.6
77.5°	216.7	215.9	239.8	316.4	713.6	1579.7	754.8	341.2	239.8	215.1	208.5
80°	135.1	132.7	150.8	173.0	249.7	461.5	271.1	191.2	151.6	130.2	129.4
82.5°	76.6	76.6	101.4	111.2	140.9	190.4	158.2	131.0	103.8	77.5	75.0
85°	42.8	37.9	63.5	70.0	80.8	93.9	96.4	84.9	70.0	42.8	44.5
87.5°	15.7	17.3	29.7	28.0	32.1	22.2	39.6	44.5	39.6	20.6	17.3
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)