

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: P672540

Luminaire Tested: **CCP-SA-2D-735-U-5MQ**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P672540
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2D-735-U-5MQ
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @800mA w/ 5MQ distribution lens
Light Source: (32) 3500K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

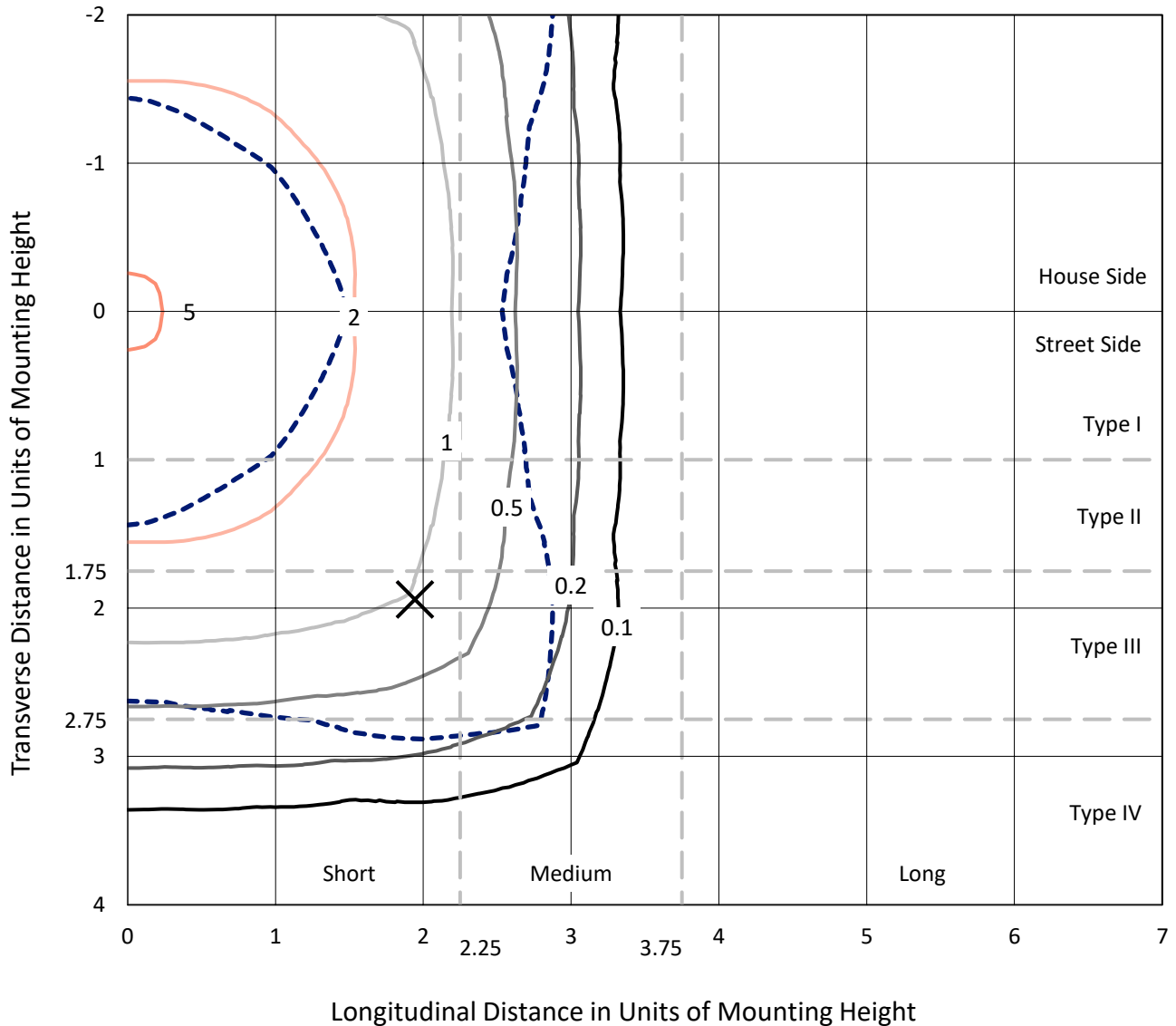
Lumens per Lamp: N/A
Luminaire Lumens: 11354.7 lumens
Efficiency: N/A
Efficacy: 140.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

Input Watts (W): 80.8
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

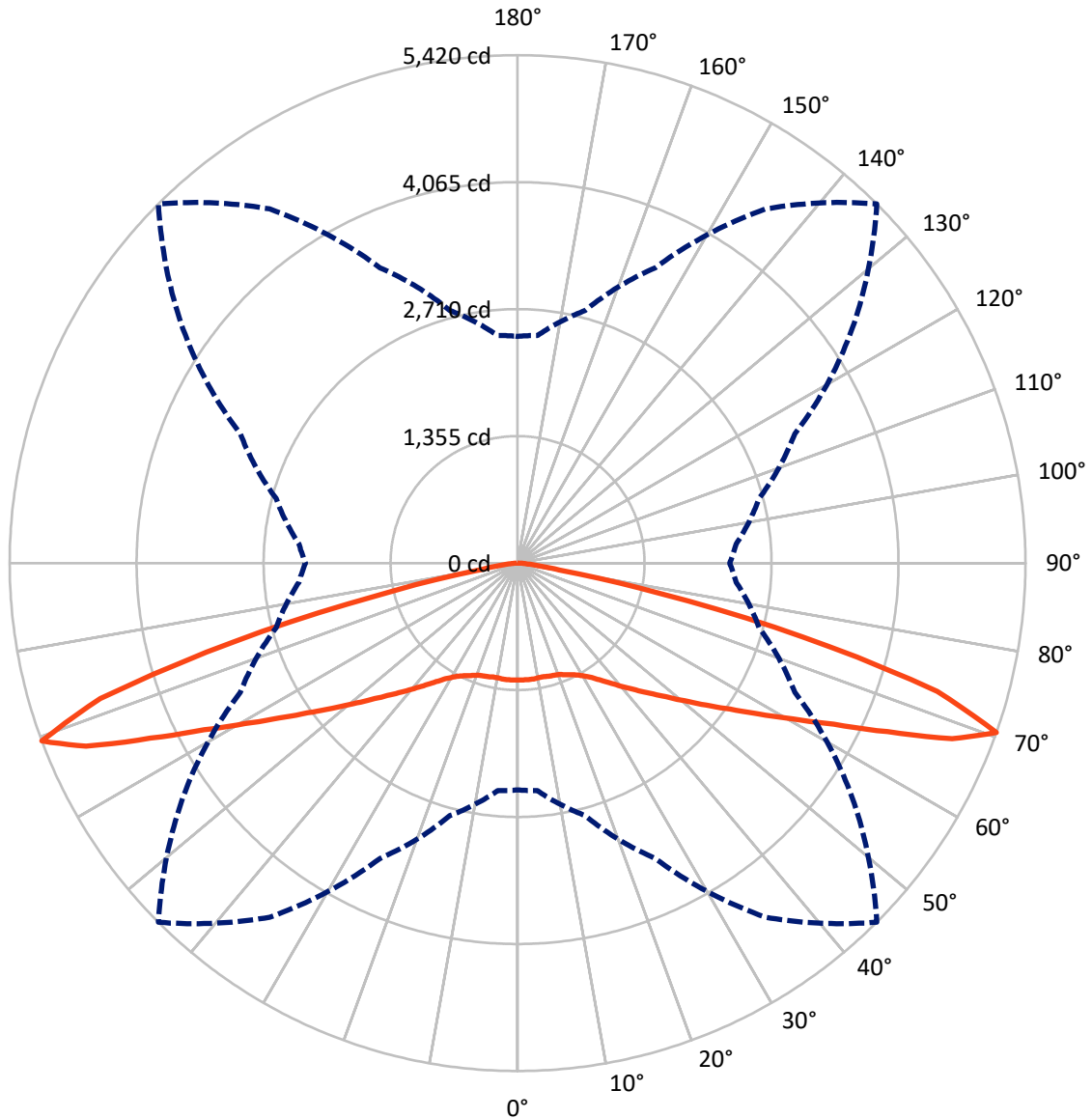
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 5.5 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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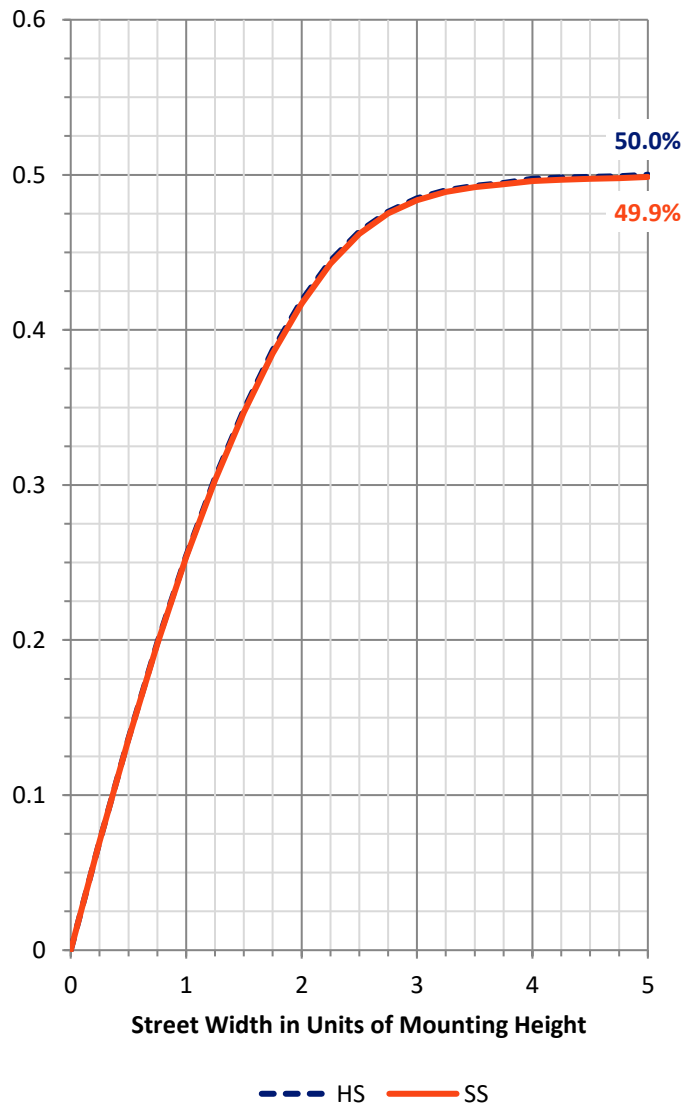
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5677.3	0.0	5677.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5677.3	0.0	5677.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	11354.7	0.0	11354.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	118.8	1.0
10°-20°	351.5	3.1
20°-30°	600.3	5.3
30°-40°	958.0	8.4
40°-50°	1545.9	13.6
50°-60°	2475.4	21.8
60°-70°	3623.8	31.9
70°-80°	1593.7	14.0
80°-90°	87.3	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°	11354.7	100.0
0°-180°	11354.7	100.0



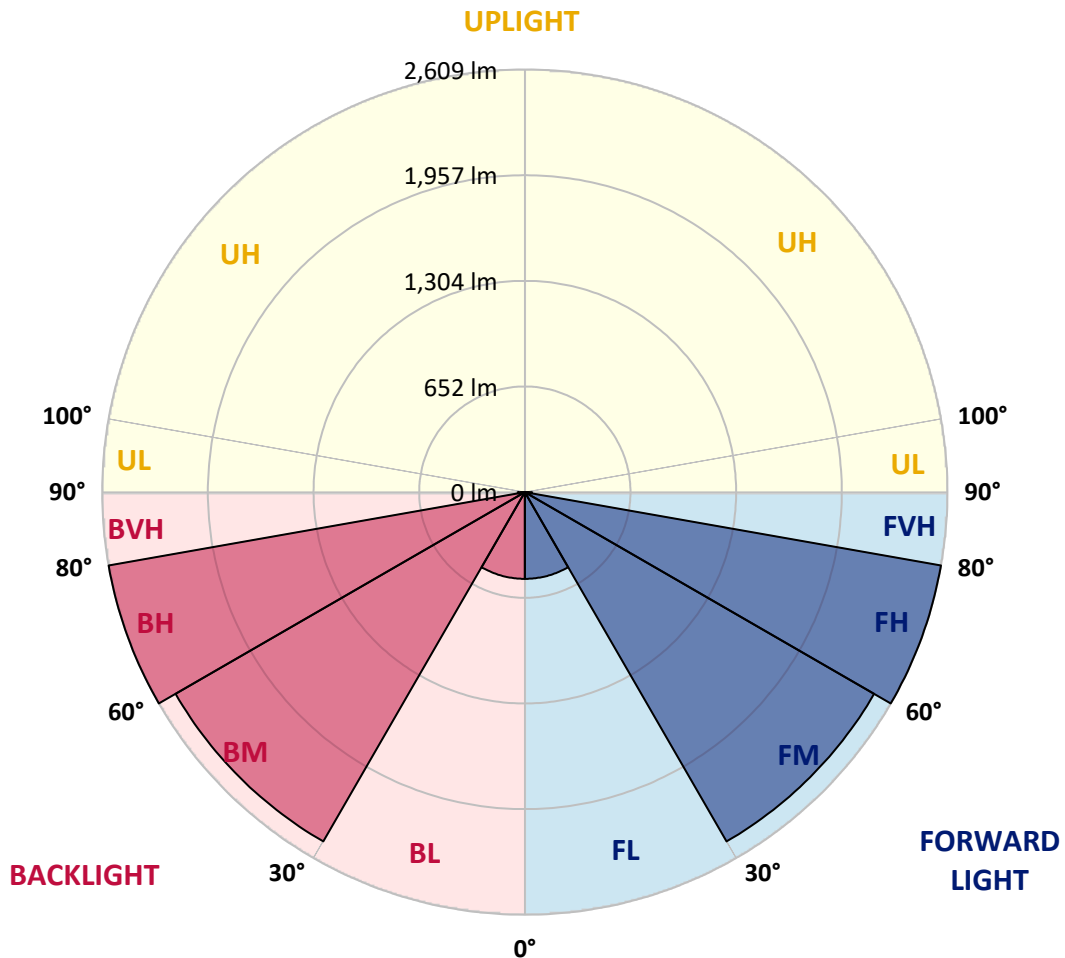
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	535.3	4.7			
FM (30°-60°)	2489.6	21.9			
FH (60°-80°)	2608.8	23.0			G2/5000
FVH (80°-90°)	43.7	0.4			G1/100
BL (0°-30°)	535.3	4.7	B2/1000		
BM (30°-60°)	2489.6	21.9	B2/2500		
BH (60°-80°)	2608.8	23.0	B4/5000		G2/5000
BVH (80°-90°)	43.7	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°	1248.6	1248.6	1248.6	1248.6	1248.6	1248.6	1248.6	1248.6	1248.6	1248.6	1248.6
2.5°	1247.0	1246.2	1247.8	1248.6	1247.0	1247.8	1243.0	1243.0	1245.4	1243.0	1246.2
5°	1252.7	1251.1	1252.7	1252.7	1248.6	1248.6	1243.0	1241.4	1243.0	1239.0	1242.2
7.5°	1253.5	1250.3	1252.7	1251.9	1248.6	1248.6	1240.6	1237.4	1238.2	1234.2	1236.6
10°	1245.4	1243.8	1247.0	1245.4	1243.0	1243.0	1236.6	1231.7	1231.7	1227.7	1230.1
12.5°	1240.6	1239.0	1243.0	1243.8	1242.2	1243.0	1235.0	1228.5	1226.1	1221.3	1222.9
15°	1240.6	1237.4	1243.8	1245.4	1247.0	1252.7	1240.6	1229.3	1224.5	1218.1	1219.7
17.5°	1239.8	1238.2	1245.4	1251.1	1252.7	1259.1	1245.4	1233.4	1227.7	1218.1	1219.7
20°	1239.8	1239.0	1247.8	1258.3	1263.1	1268.8	1254.3	1243.0	1233.4	1222.9	1222.9
22.5°	1243.8	1243.0	1255.1	1270.4	1284.0	1293.7	1276.8	1258.3	1245.4	1231.7	1230.1
25°	1260.7	1259.1	1273.6	1292.1	1310.6	1320.2	1303.4	1284.8	1266.3	1251.1	1249.4
27.5°	1295.3	1294.5	1309.0	1331.5	1344.4	1351.6	1337.1	1321.1	1302.5	1284.8	1284.0
30°	1342.0	1342.0	1360.5	1383.8	1391.0	1396.7	1382.2	1370.9	1351.6	1332.3	1330.7
32.5°	1398.3	1401.5	1423.2	1449.0	1453.8	1457.0	1441.7	1434.5	1413.6	1392.7	1389.4
35°	1472.3	1473.1	1499.7	1525.4	1531.8	1535.1	1517.4	1510.9	1491.6	1469.1	1464.3
37.5°	1566.4	1564.0	1589.0	1617.9	1624.4	1628.4	1613.9	1609.1	1584.9	1562.4	1555.2
40°	1671.8	1673.4	1701.6	1729.0	1733.0	1734.6	1727.3	1720.1	1697.6	1671.8	1663.0
42.5°	1794.1	1794.1	1827.1	1859.3	1859.3	1851.2	1848.0	1846.4	1824.7	1795.7	1786.1
45°	1934.1	1935.7	1976.7	2000.9	2002.5	1980.8	1984.0	1993.6	1972.7	1935.7	1922.8
47.5°	2087.8	2090.2	2138.5	2165.0	2160.2	2132.0	2149.7	2154.6	2130.4	2082.9	2066.1
50°	2249.5	2256.7	2310.6	2357.3	2350.9	2309.8	2333.2	2334.8	2295.3	2240.6	2217.3
52.5°	2424.1	2441.0	2512.6	2562.5	2568.9	2517.4	2537.5	2535.9	2485.2	2410.4	2395.1
55°	2640.5	2650.1	2720.9	2791.7	2815.9	2752.3	2774.8	2763.6	2695.2	2609.9	2584.2
57.5°	2856.9	2871.4	2962.3	3042.0	3090.2	3036.3	3041.2	3012.2	2926.1	2823.1	2810.2
60°	3113.6	3120.0	3220.6	3324.3	3408.0	3375.8	3353.3	3293.0	3191.6	3088.6	3070.1
62.5°	3323.5	3336.4	3486.1	3638.9	3780.5	3786.2	3717.8	3627.7	3465.9	3293.8	3256.8
65°	3381.5	3402.4	3612.4	3914.1	4208.5	4339.7	4152.2	3877.1	3515.8	3256.0	3200.4
67.5°	3111.9	3152.2	3452.3	3953.5	4606.8	5000.2	4498.2	3758.8	3254.4	2951.0	2897.9
70°	2420.0	2437.7	2790.1	3478.0	4613.2	5420.2	4359.0	3264.0	2667.8	2342.0	2264.0
72.5°	1285.7	1294.5	1612.3	2342.0	3754.0	4682.4	3601.9	2284.1	1570.5	1274.4	1185.1
75°	415.1	426.4	555.1	959.0	2070.9	3146.5	2124.0	950.2	541.5	436.9	413.5
77.5°	211.6	210.8	234.1	308.9	696.7	1542.3	737.0	333.1	234.1	210.0	203.5
80°	131.9	129.5	147.2	169.0	243.8	450.5	264.7	186.7	148.0	127.1	126.3
82.5°	74.8	74.8	99.0	108.6	137.6	185.8	154.5	127.9	101.4	75.6	73.2
85°	41.8	37.0	61.9	68.4	78.8	91.7	94.1	82.9	68.4	41.8	43.4
87.5°	15.3	16.9	29.0	27.4	31.4	21.7	38.6	43.4	38.6	20.1	16.9
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)