

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: P672591

Luminaire Tested: **CCP-SA-1F-830-U-5MQ**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P672591
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1F-830-U-5MQ
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @1200mA w/ 5MQ distribution lens
Light Source: (16) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

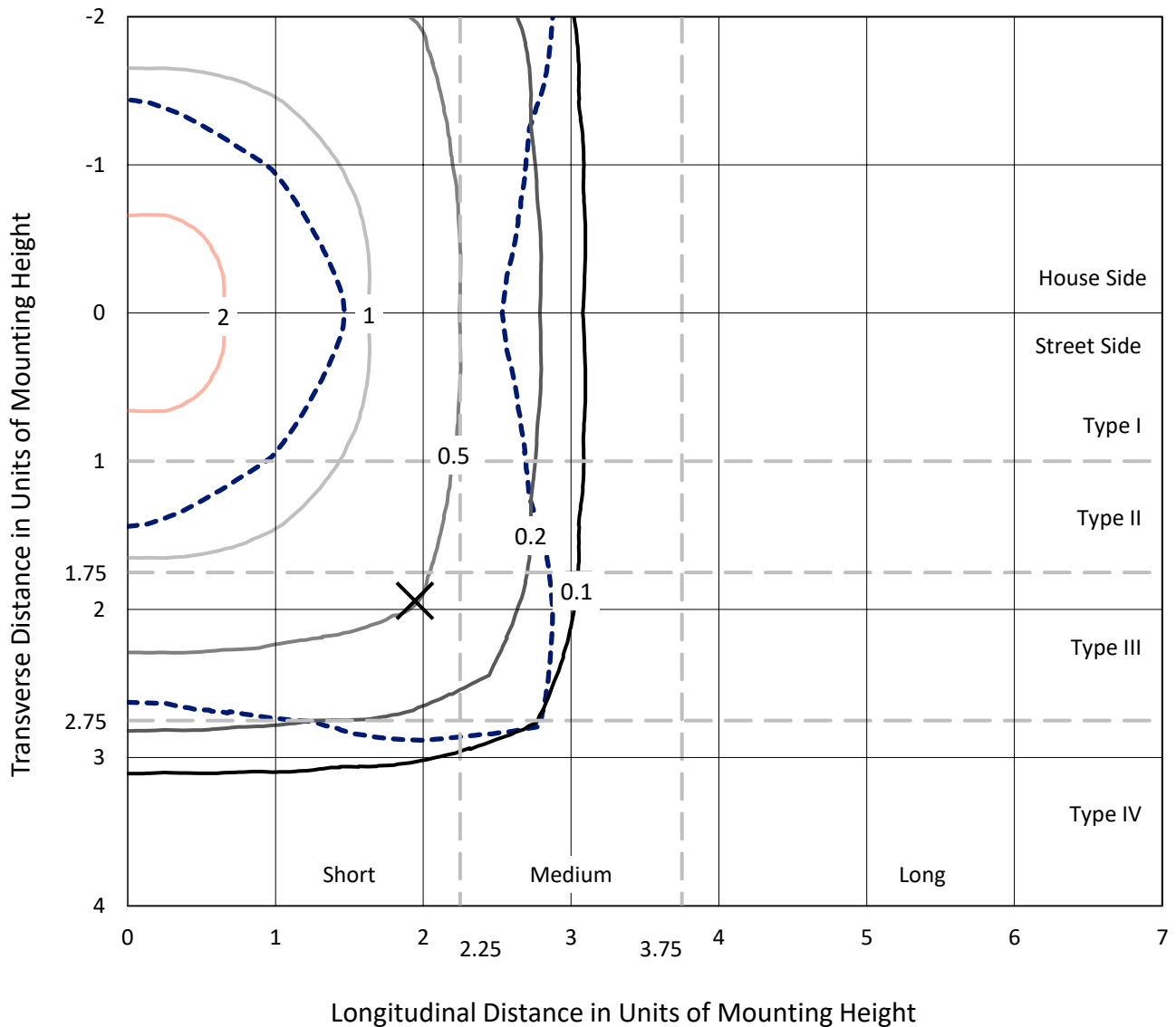
Lumens per Lamp: N/A
Luminaire Lumens: 6149.8 lumens
Efficiency: N/A
Efficacy: 91.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

Input Watts (W): 67
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

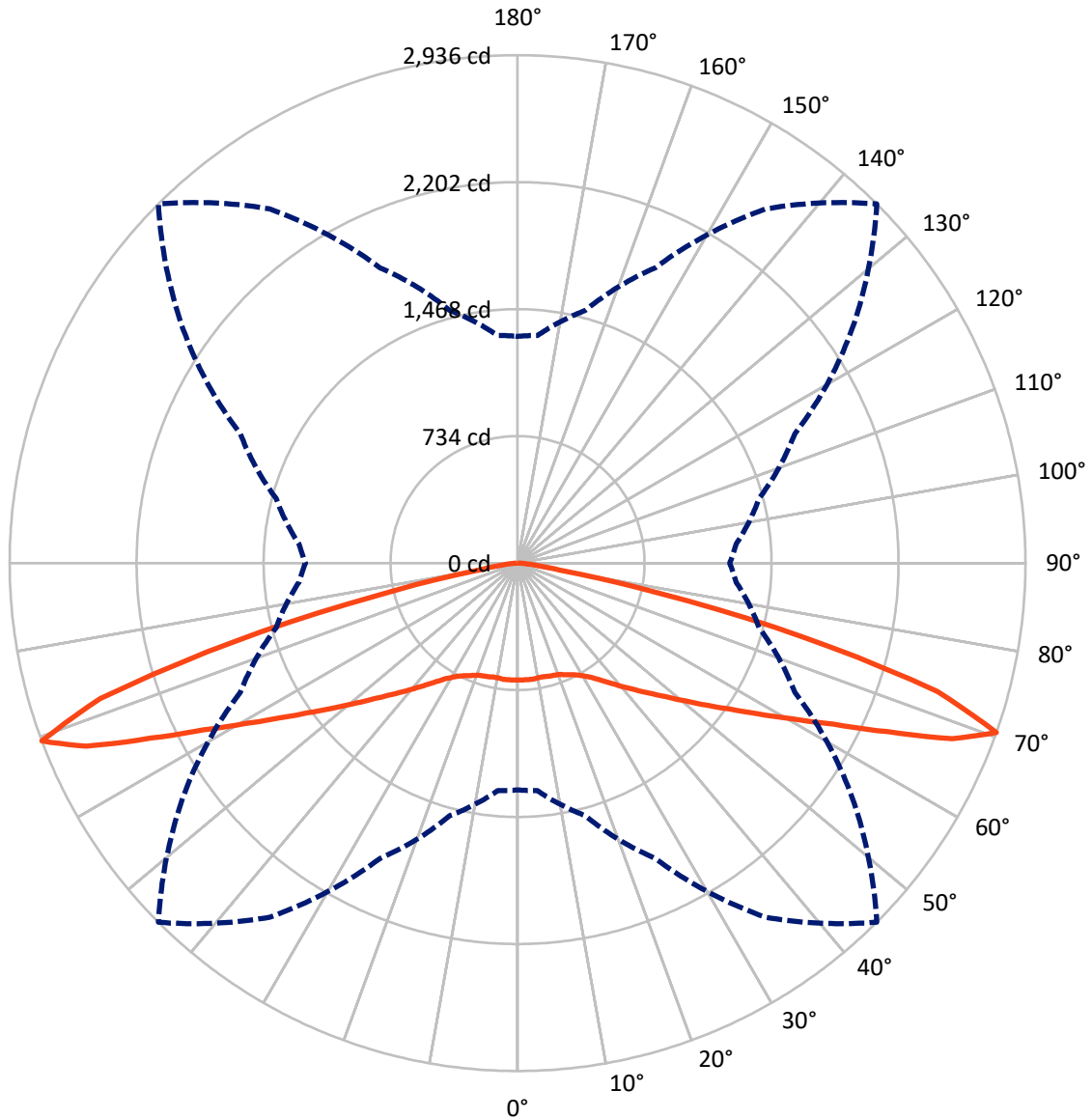
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 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	3074.9	0.0	3074.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3074.9	0.0	3074.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	6149.8	0.0	6149.8
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	64.3	1.0
10°-20°	190.4	3.1
20°-30°	325.1	5.3
30°-40°	518.8	8.4
40°-50°	837.2	13.6
50°-60°	1340.7	21.8
60°-70°	1962.7	31.9
70°-80°	863.2	14.0
80°-90°	47.3	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°	6149.8	100.0
0°-180°	6149.8	100.0



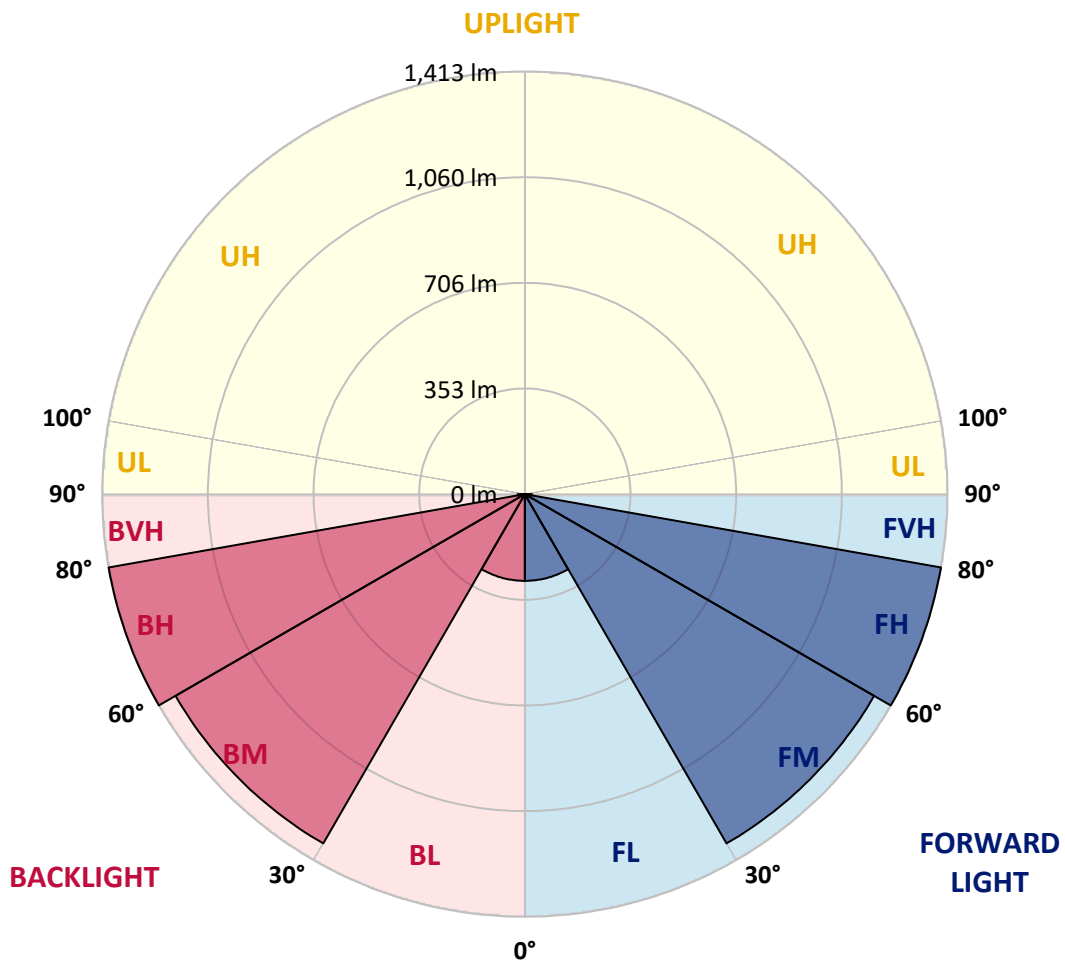
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	289.9	4.7			
FM (30°-60°)	1348.4	21.9			
FH (60°-80°)	1412.9	23.0			G1/1800
FVH (80°-90°)	23.7	0.4			G1/100
BL (0°-30°)	289.9	4.7	B1/500		
BM (30°-60°)	1348.4	21.9	B2/2500		
BH (60°-80°)	1412.9	23.0	B3/2500		G1/1800
BVH (80°-90°)	23.7	0.4			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	676.3	676.3	676.3	676.3	676.3	676.3	676.3	676.3	676.3	676.3	676.3
2.5°	675.4	675.0	675.8	676.3	675.4	675.8	673.2	673.2	674.5	673.2	675.0
5°	678.4	677.6	678.4	678.4	676.3	676.3	673.2	672.3	673.2	671.0	672.8
7.5°	678.9	677.1	678.4	678.0	676.3	676.3	671.9	670.2	670.6	668.4	669.7
10°	674.5	673.7	675.4	674.5	673.2	673.2	669.7	667.1	667.1	664.9	666.2
12.5°	671.9	671.0	673.2	673.7	672.8	673.2	668.9	665.4	664.1	661.5	662.3
15°	671.9	670.2	673.7	674.5	675.4	678.4	671.9	665.8	663.2	659.7	660.6
17.5°	671.5	670.6	674.5	677.6	678.4	681.9	674.5	668.0	664.9	659.7	660.6
20°	671.5	671.0	675.8	681.5	684.1	687.2	679.3	673.2	668.0	662.3	662.3
22.5°	673.7	673.2	679.8	688.0	695.4	700.7	691.5	681.5	674.5	667.1	666.2
25°	682.8	681.9	689.8	699.8	709.8	715.1	705.9	695.9	685.9	677.6	676.7
27.5°	701.5	701.1	709.0	721.2	728.1	732.0	724.2	715.5	705.5	695.9	695.4
30°	726.8	726.8	736.8	749.5	753.4	756.4	748.6	742.5	732.0	721.6	720.7
32.5°	757.3	759.1	770.8	784.8	787.4	789.1	780.8	776.9	765.6	754.3	752.5
35°	797.4	797.8	812.2	826.2	829.7	831.4	821.8	818.3	807.9	795.7	793.0
37.5°	848.4	847.1	860.6	876.3	879.8	881.9	874.1	871.5	858.4	846.2	842.3
40°	905.5	906.3	921.6	936.4	938.6	939.5	935.5	931.6	919.4	905.5	900.7
42.5°	971.7	971.7	989.6	1007.0	1007.0	1002.6	1000.9	1000.0	988.3	972.6	967.3
45°	1047.5	1048.4	1070.6	1083.7	1084.6	1072.8	1074.5	1079.8	1068.4	1048.4	1041.4
47.5°	1130.7	1132.1	1158.2	1172.6	1170.0	1154.7	1164.3	1166.9	1153.8	1128.1	1119.0
50°	1218.3	1222.3	1251.5	1276.7	1273.2	1251.0	1263.7	1264.5	1243.2	1213.5	1200.9
52.5°	1312.9	1322.0	1360.8	1387.8	1391.3	1363.4	1374.3	1373.5	1346.0	1305.5	1297.2
55°	1430.1	1435.3	1473.7	1512.0	1525.1	1490.7	1502.9	1496.8	1459.7	1413.5	1399.6
57.5°	1547.3	1555.2	1604.4	1647.5	1673.7	1644.5	1647.1	1631.4	1584.8	1529.0	1522.0
60°	1686.3	1689.8	1744.3	1800.5	1845.8	1828.4	1816.2	1783.5	1728.6	1672.8	1662.8
62.5°	1800.0	1807.0	1888.1	1970.9	2047.6	2050.6	2013.6	1964.8	1877.2	1783.9	1763.9
65°	1831.4	1842.8	1956.5	2119.9	2279.4	2350.4	2248.9	2099.8	1904.2	1763.4	1733.4
67.5°	1685.4	1707.2	1869.8	2141.2	2495.1	2708.1	2436.2	2035.8	1762.6	1598.3	1569.5
70°	1310.7	1320.3	1511.2	1883.7	2498.5	2935.6	2360.8	1767.8	1444.9	1268.4	1226.2
72.5°	696.3	701.1	873.2	1268.4	2033.2	2536.0	1950.8	1237.1	850.6	690.2	641.8
75°	224.8	230.9	300.7	519.4	1121.6	1704.2	1150.4	514.6	293.3	236.6	224.0
77.5°	114.6	114.2	126.8	167.3	377.4	835.3	399.1	180.4	126.8	113.7	110.2
80°	71.5	70.2	79.7	91.5	132.0	244.0	143.4	101.1	80.2	68.8	68.4
82.5°	40.5	40.5	53.6	58.8	74.5	100.7	83.7	69.3	54.9	41.0	39.7
85°	22.7	20.0	33.6	37.0	42.7	49.7	51.0	44.9	37.0	22.7	23.5
87.5°	8.3	9.2	15.7	14.8	17.0	11.8	20.9	23.5	20.9	10.9	9.2
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)