

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: P672614

Luminaire Tested: **CCP-SA-2A-840-U-5MQ**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P672614
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2A-840-U-5MQ
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @350mA w/ 5MQ
distribution lens
Light Source: (32) 4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

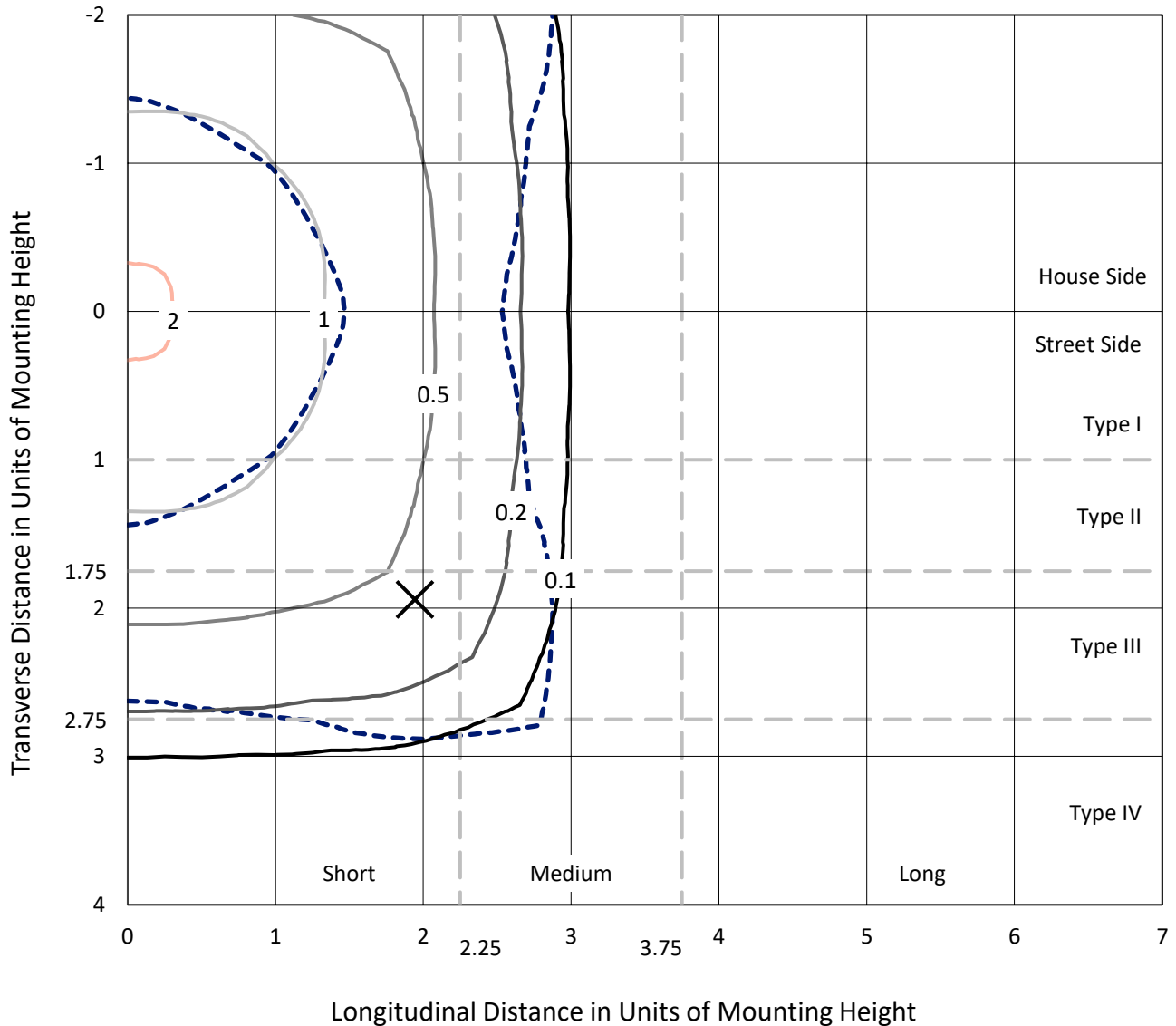
Lumens per Lamp: N/A
Luminaire Lumens: 4815.6 lumens
Efficiency: N/A
Efficacy: 133.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

Input Watts (W): 36.2
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

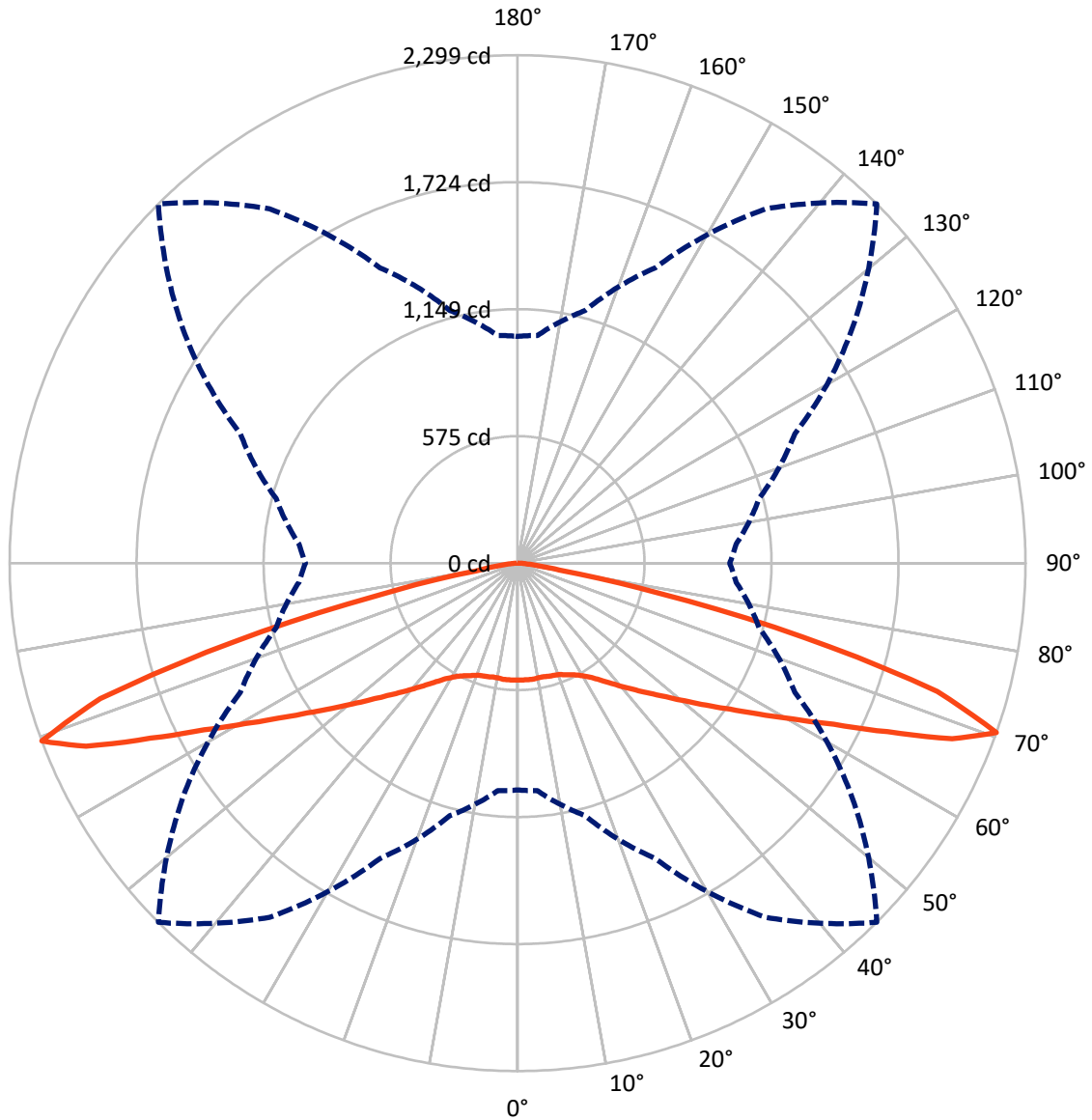
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 2.4 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	2407.8	0.0	2407.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2407.8	0.0	2407.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	4815.6	0.0	4815.6
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	50.4	1.0
10°-20°	149.1	3.1
20°-30°	254.6	5.3
30°-40°	406.3	8.4
40°-50°	655.6	13.6
50°-60°	1049.8	21.8
60°-70°	1536.9	31.9
70°-80°	675.9	14.0
80°-90°	37.0	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°	4815.6	100.0
0°-180°	4815.6	100.0



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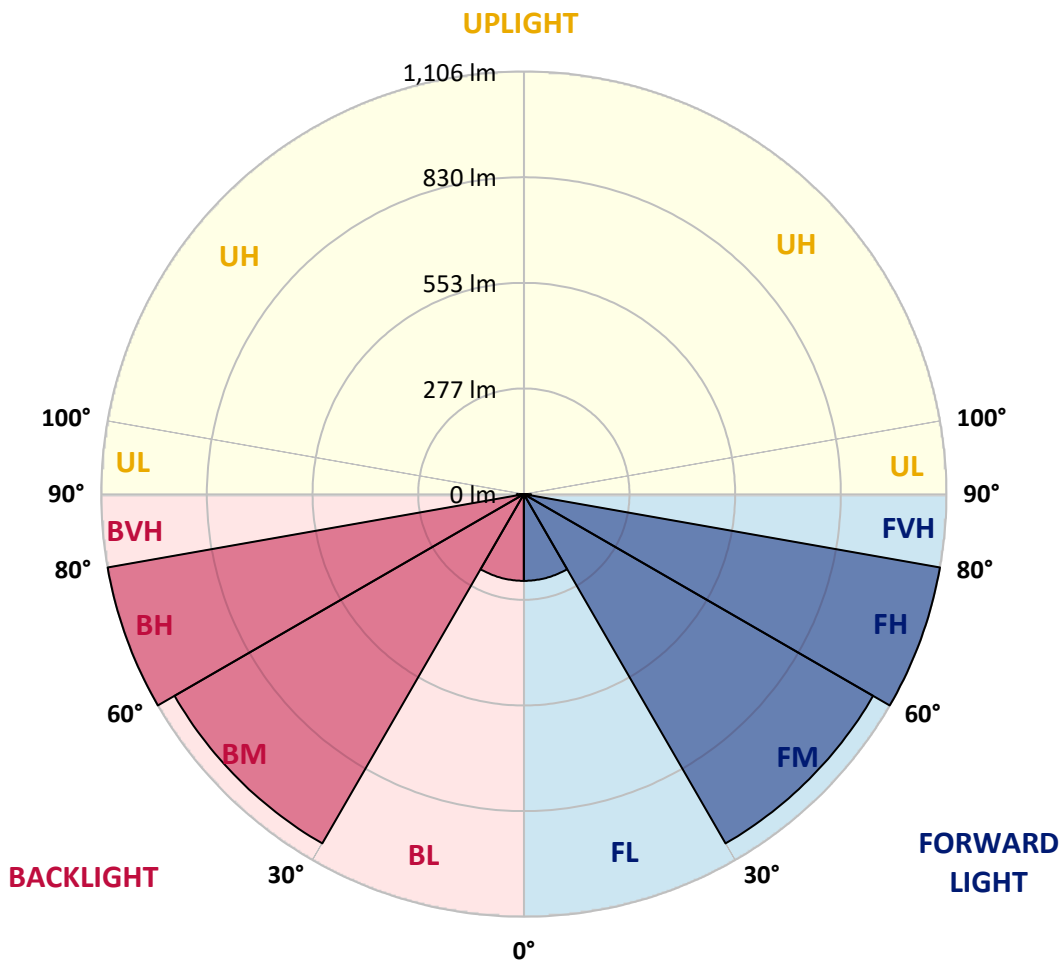
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	227.0	4.7			
FM (30°-60°)	1055.8	21.9			
FH (60°-80°)	1106.4	23.0			G1/1800
FVH (80°-90°)	18.5	0.4			G1/100
BL (0°-30°)	227.0	4.7	B1/500		
BM (30°-60°)	1055.8	21.9	B2/2500		
BH (60°-80°)	1106.4	23.0	B3/2500		G1/1800
BVH (80°-90°)	18.5	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°	529.6	529.6	529.6	529.6	529.6	529.6	529.6	529.6	529.6	529.6	529.6
2.5°	528.9	528.5	529.2	529.6	528.9	529.2	527.2	527.2	528.2	527.2	528.5
5°	531.3	530.6	531.3	531.3	529.6	529.6	527.2	526.5	527.2	525.5	526.8
7.5°	531.6	530.2	531.3	530.9	529.6	529.6	526.1	524.8	525.1	523.4	524.4
10°	528.2	527.5	528.9	528.2	527.2	527.2	524.4	522.4	522.4	520.7	521.7
12.5°	526.1	525.5	527.2	527.5	526.8	527.2	523.8	521.0	520.0	517.9	518.6
15°	526.1	524.8	527.5	528.2	528.9	531.3	526.1	521.4	519.3	516.6	517.3
17.5°	525.8	525.1	528.2	530.6	531.3	534.0	528.2	523.1	520.7	516.6	517.3
20°	525.8	525.5	529.2	533.6	535.7	538.1	531.9	527.2	523.1	518.6	518.6
22.5°	527.5	527.2	532.3	538.8	544.6	548.7	541.5	533.6	528.2	522.4	521.7
25°	534.7	534.0	540.1	548.0	555.8	559.9	552.8	544.9	537.1	530.6	529.9
27.5°	549.3	549.0	555.1	564.7	570.2	573.2	567.1	560.3	552.4	544.9	544.6
30°	569.1	569.1	577.0	586.9	589.9	592.3	586.2	581.4	573.2	565.0	564.4
32.5°	593.0	594.4	603.6	614.5	616.6	617.9	611.4	608.4	599.5	590.6	589.3
35°	624.4	624.7	636.0	646.9	649.7	651.0	643.5	640.8	632.6	623.0	621.0
37.5°	664.3	663.3	673.9	686.2	688.9	690.6	684.5	682.4	672.2	662.6	659.6
40°	709.0	709.7	721.6	733.3	735.0	735.6	732.6	729.5	719.9	709.0	705.3
42.5°	760.9	760.9	774.9	788.5	788.5	785.1	783.7	783.1	773.9	761.6	757.5
45°	820.3	820.9	838.3	848.6	849.3	840.0	841.4	845.5	836.6	820.9	815.5
47.5°	885.4	886.5	906.9	918.2	916.1	904.2	911.7	913.7	903.5	883.4	876.2
50°	954.0	957.1	979.9	999.7	997.0	979.6	989.5	990.2	973.5	950.3	940.4
52.5°	1028.1	1035.2	1065.6	1086.7	1089.5	1067.6	1076.2	1075.5	1054.0	1022.3	1015.8
55°	1119.8	1123.9	1154.0	1184.0	1194.2	1167.3	1176.8	1172.0	1143.0	1106.9	1096.0
57.5°	1211.6	1217.8	1256.3	1290.1	1310.6	1287.7	1289.8	1277.5	1241.0	1197.3	1191.8
60°	1320.5	1323.2	1365.8	1409.9	1445.3	1431.7	1422.1	1396.6	1353.6	1309.9	1302.0
62.5°	1409.5	1415.0	1478.4	1543.3	1603.3	1605.7	1576.7	1538.5	1469.9	1396.9	1381.2
65°	1434.1	1443.0	1532.0	1660.0	1784.8	1840.5	1761.0	1644.3	1491.1	1380.9	1357.3
67.5°	1319.8	1336.8	1464.1	1676.7	1953.7	2120.6	1907.7	1594.1	1380.2	1251.5	1229.0
70°	1026.3	1033.9	1183.3	1475.0	1956.5	2298.7	1848.7	1384.3	1131.4	993.2	960.2
72.5°	545.2	549.0	683.8	993.2	1592.1	1985.8	1527.6	968.7	666.0	540.5	502.6
75°	176.1	180.8	235.4	406.7	878.3	1334.5	900.8	403.0	229.6	185.3	175.4
77.5°	89.7	89.4	99.3	131.0	295.5	654.1	312.5	141.3	99.3	89.1	86.3
80°	56.0	54.9	62.4	71.7	103.4	191.1	112.3	79.2	62.8	53.9	53.6
82.5°	31.7	31.7	42.0	46.1	58.3	78.8	65.5	54.3	43.0	32.1	31.0
85°	17.7	15.7	26.3	29.0	33.4	38.9	39.9	35.1	29.0	17.7	18.4
87.5°	6.5	7.2	12.3	11.6	13.3	9.2	16.4	18.4	16.4	8.5	7.2
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)