

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: P672512

Luminaire Tested: **CCP-SA-1D-727-U-5MQ**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P672512
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1D-727-U-5MQ
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @800mA w/ 5MQ
distribution lens
Light Source: (16) 2700K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

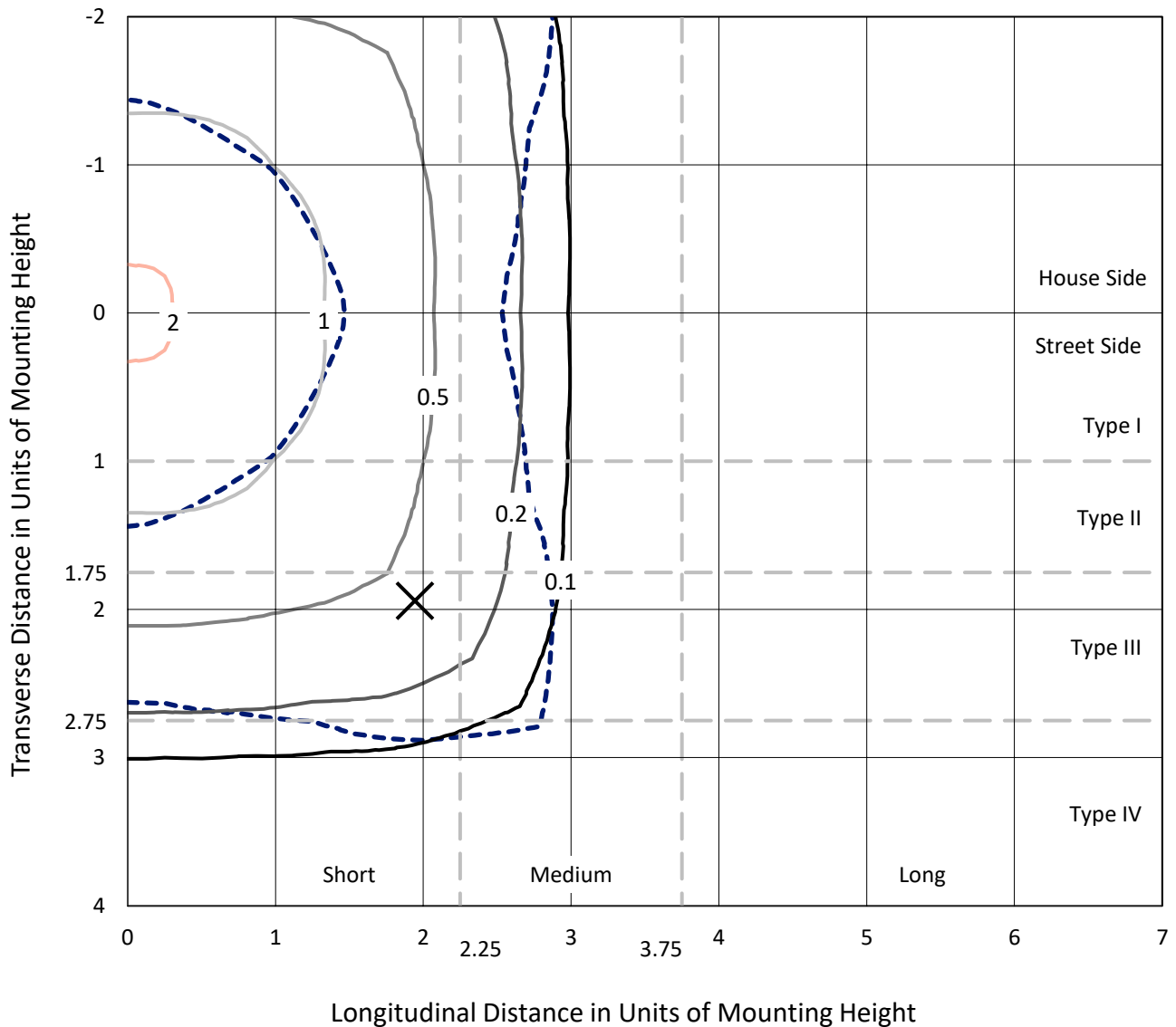
Lumens per Lamp: N/A
Luminaire Lumens: 4814.3 lumens
Efficiency: N/A
Efficacy: 109.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

Input Watts (W): 44
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

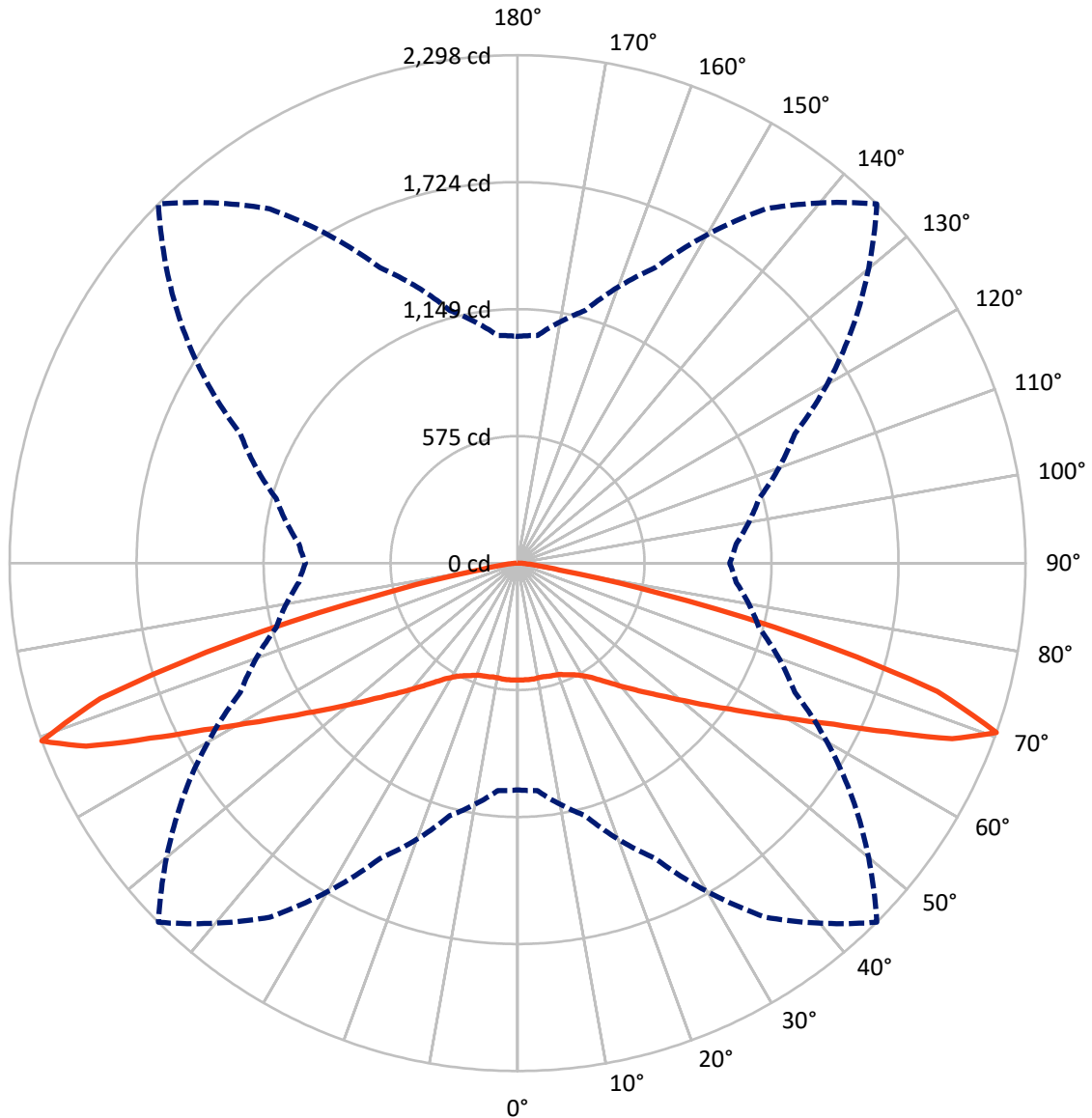
× Max cd
 - - - 1/2 Max cd



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	2407.2	0.0	2407.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2407.2	0.0	2407.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	4814.3	0.0	4814.3
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	50.4	1.0
10°-20°	149.0	3.1
20°-30°	254.5	5.3
30°-40°	406.2	8.4
40°-50°	655.4	13.6
50°-60°	1049.6	21.8
60°-70°	1536.5	31.9
70°-80°	675.7	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°	4814.3	100.0
0°-180°	4814.3	100.0



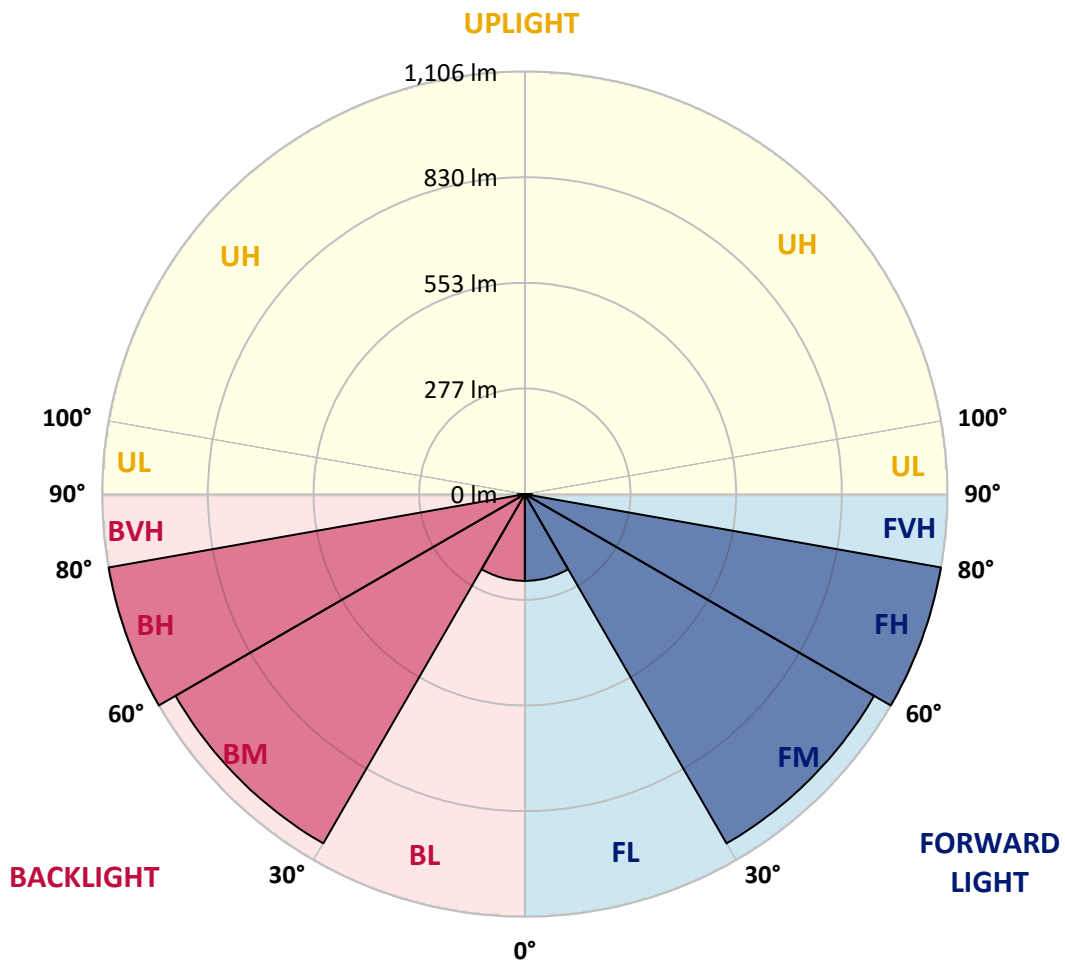
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	227.0	4.7			
FM (30°-60°)	1055.6	21.9			
FH (60°-80°)	1106.1	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°)	1055.6	21.9	B2/2500		
BH (60°-80°)	1106.1	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°	529.4	529.4	529.4	529.4	529.4	529.4	529.4	529.4	529.4	529.4	529.4
2.5°	528.7	528.4	529.1	529.4	528.7	529.1	527.0	527.0	528.1	527.0	528.4
5°	531.1	530.4	531.1	531.1	529.4	529.4	527.0	526.3	527.0	525.3	526.7
7.5°	531.5	530.1	531.1	530.8	529.4	529.4	526.0	524.6	525.0	523.3	524.3
10°	528.1	527.4	528.7	528.1	527.0	527.0	524.3	522.3	522.3	520.6	521.6
12.5°	526.0	525.3	527.0	527.4	526.7	527.0	523.6	520.9	519.9	517.8	518.5
15°	526.0	524.6	527.4	528.1	528.7	531.1	526.0	521.2	519.2	516.5	517.1
17.5°	525.7	525.0	528.1	530.4	531.1	533.9	528.1	522.9	520.6	516.5	517.1
20°	525.7	525.3	529.1	533.5	535.6	537.9	531.8	527.0	522.9	518.5	518.5
22.5°	527.4	527.0	532.1	538.6	544.4	548.5	541.4	533.5	528.1	522.3	521.6
25°	534.5	533.9	540.0	547.8	555.7	559.8	552.6	544.8	536.9	530.4	529.8
27.5°	549.2	548.9	555.0	564.6	570.0	573.1	566.9	560.1	552.3	544.8	544.4
30°	569.0	569.0	576.8	586.7	589.8	592.2	586.0	581.3	573.1	564.9	564.2
32.5°	592.9	594.2	603.4	614.4	616.4	617.8	611.3	608.2	599.3	590.5	589.1
35°	624.3	624.6	635.8	646.8	649.5	650.9	643.4	640.6	632.4	622.9	620.8
37.5°	664.2	663.1	673.7	686.0	688.7	690.4	684.3	682.2	672.0	662.5	659.4
40°	708.8	709.5	721.5	733.1	734.8	735.5	732.4	729.3	719.8	708.8	705.1
42.5°	760.7	760.7	774.7	788.3	788.3	784.9	783.6	782.9	773.7	761.4	757.3
45°	820.1	820.7	838.1	848.4	849.0	839.8	841.2	845.3	836.4	820.7	815.3
47.5°	885.2	886.2	906.7	918.0	915.9	904.0	911.5	913.5	903.3	883.2	876.0
50°	953.8	956.8	979.7	999.5	996.8	979.4	989.3	989.9	973.2	950.0	940.1
52.5°	1027.8	1035.0	1065.3	1086.5	1089.2	1067.4	1075.9	1075.2	1053.7	1022.0	1015.5
55°	1119.6	1123.7	1153.7	1183.7	1193.9	1167.0	1176.5	1171.8	1142.8	1106.6	1095.7
57.5°	1211.3	1217.5	1256.0	1289.8	1310.2	1287.4	1289.4	1277.2	1240.7	1197.0	1191.5
60°	1320.1	1322.9	1365.5	1409.5	1445.0	1431.3	1421.8	1396.2	1353.2	1309.6	1301.7
62.5°	1409.2	1414.6	1478.1	1542.9	1602.9	1605.3	1576.3	1538.1	1469.5	1396.5	1380.9
65°	1433.7	1442.6	1531.6	1659.6	1784.4	1840.0	1760.5	1643.9	1490.7	1380.5	1357.0
67.5°	1319.5	1336.5	1463.7	1676.3	1953.3	2120.1	1907.2	1593.7	1379.8	1251.2	1228.7
70°	1026.1	1033.6	1183.0	1474.7	1956.0	2298.1	1848.2	1383.9	1131.2	993.0	959.9
72.5°	545.1	548.9	683.6	993.0	1591.7	1985.3	1527.2	968.4	665.9	540.3	502.5
75°	176.0	180.8	235.4	406.6	878.0	1334.1	900.6	402.9	229.6	185.2	175.3
77.5°	89.7	89.4	99.3	131.0	295.4	653.9	312.5	141.2	99.3	89.0	86.3
80°	55.9	54.9	62.4	71.6	103.4	191.0	112.2	79.1	62.8	53.9	53.6
82.5°	31.7	31.7	42.0	46.1	58.3	78.8	65.5	54.2	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)