

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: P672603

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

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P672603
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2A-835-U-5MQ
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @350mA w/ 5MQ
distribution lens
Light Source: (32) 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

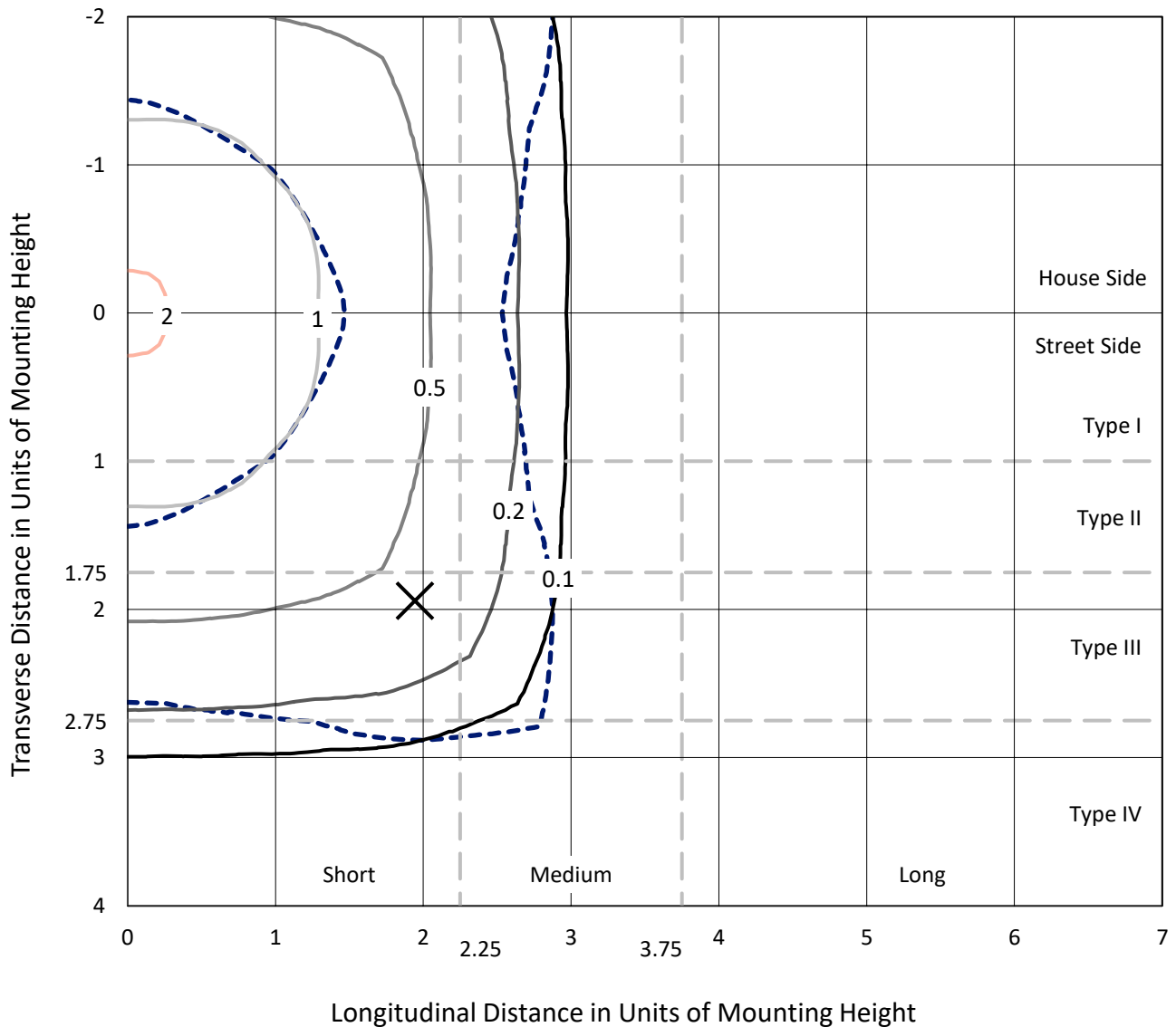
Lumens per Lamp: N/A
Luminaire Lumens: 4654 lumens
Efficiency: N/A
Efficacy: 128.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

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

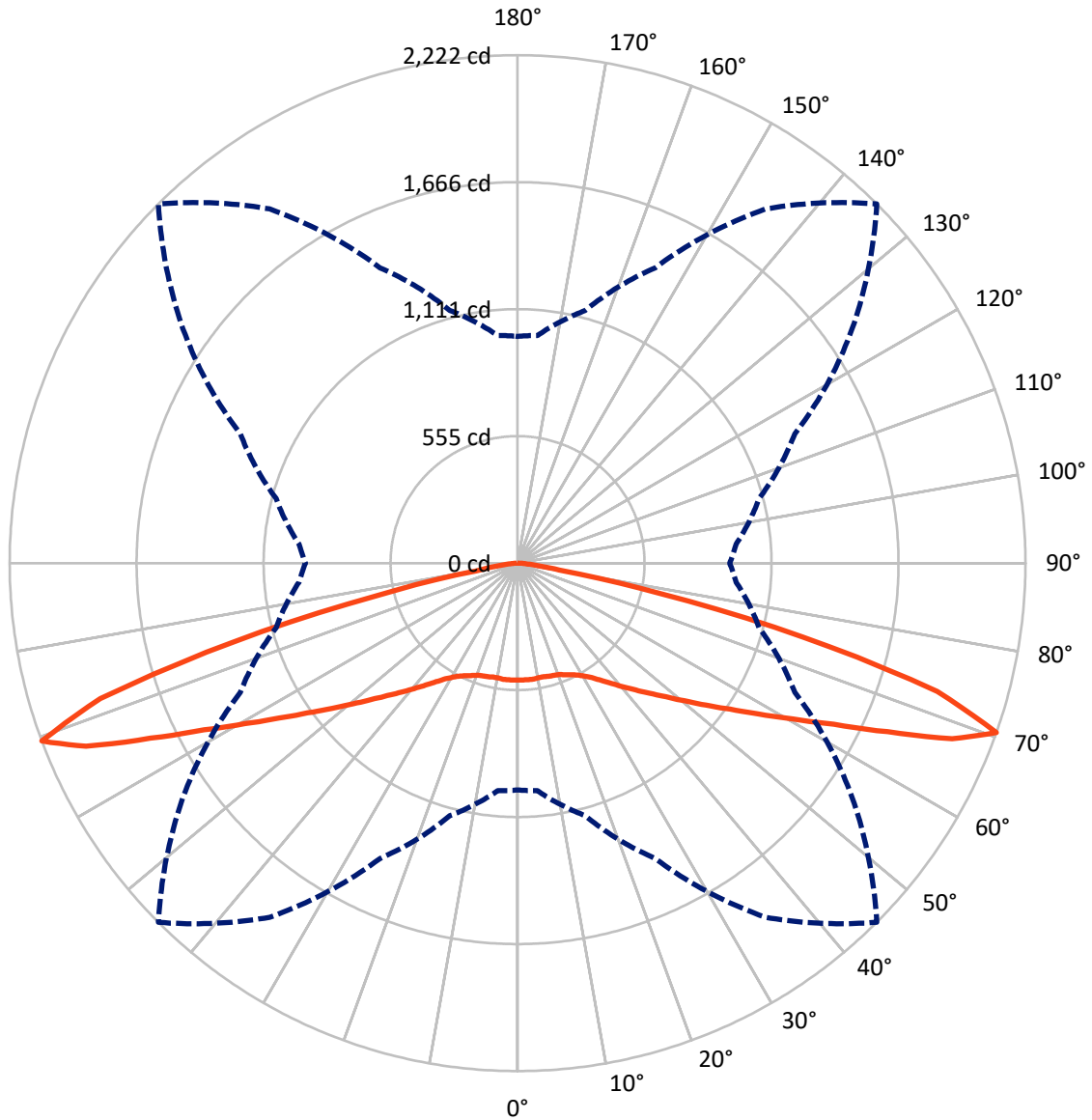
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 2.3 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	2327.0	0.0	2327.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2327.0	0.0	2327.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	4654.0	0.0	4654.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	48.7	1.0
10°-20°	144.1	3.1
20°-30°	246.1	5.3
30°-40°	392.6	8.4
40°-50°	633.6	13.6
50°-60°	1014.6	21.8
60°-70°	1485.3	31.9
70°-80°	653.2	14.0
80°-90°	35.8	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°	4654.0	100.0
0°-180°	4654.0	100.0



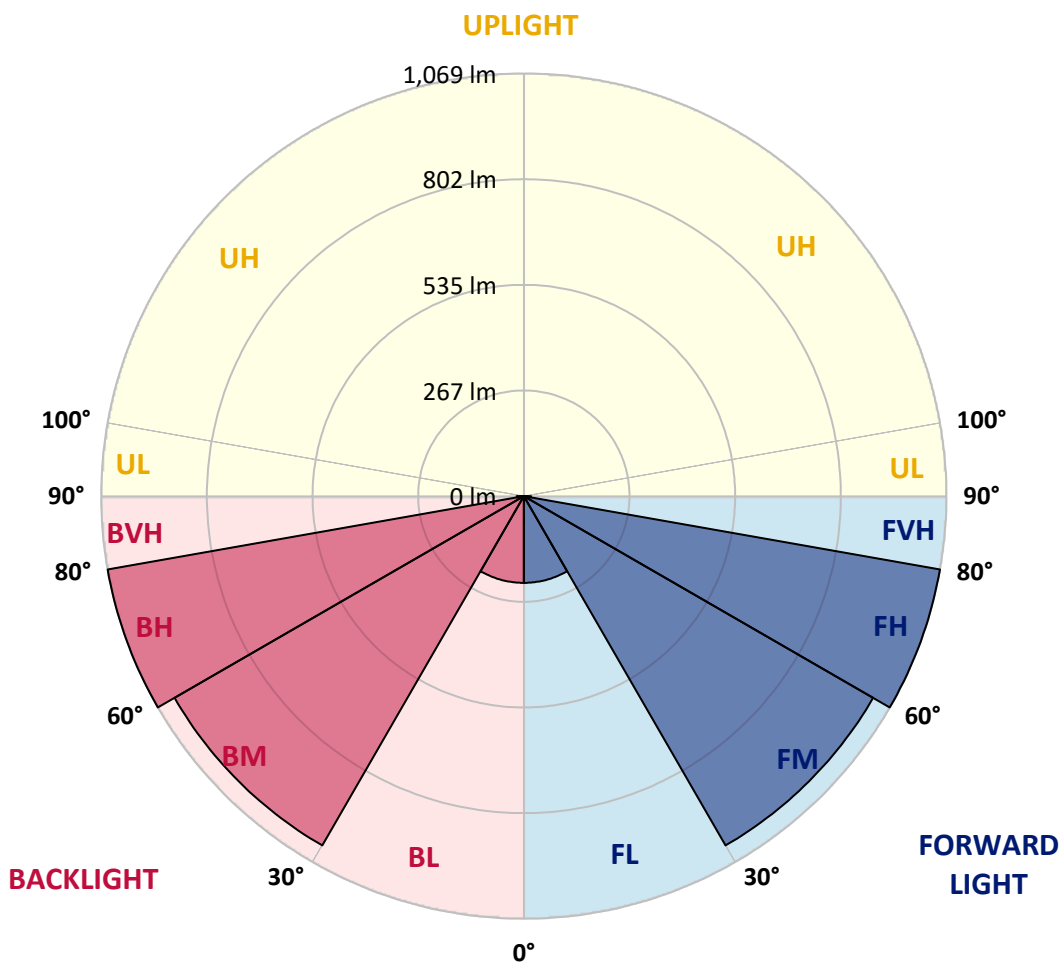
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	219.4	4.7			
FM (30°-60°)	1020.4	21.9			
FH (60°-80°)	1069.3	23.0			G1/1800
FVH (80°-90°)	17.9	0.4			G1/100
BL (0°-30°)	219.4	4.7	B1/500		
BM (30°-60°)	1020.4	21.9	B2/2500		
BH (60°-80°)	1069.3	23.0	B3/2500		G1/1800
BVH (80°-90°)	17.9	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°	511.8	511.8	511.8	511.8	511.8	511.8	511.8	511.8	511.8	511.8	511.8
2.5°	511.1	510.8	511.5	511.8	511.1	511.5	509.5	509.5	510.5	509.5	510.8
5°	513.4	512.8	513.4	513.4	511.8	511.8	509.5	508.8	509.5	507.8	509.1
7.5°	513.8	512.4	513.4	513.1	511.8	511.8	508.5	507.2	507.5	505.9	506.8
10°	510.5	509.8	511.1	510.5	509.5	509.5	506.8	504.9	504.9	503.2	504.2
12.5°	508.5	507.8	509.5	509.8	509.1	509.5	506.2	503.5	502.6	500.6	501.2
15°	508.5	507.2	509.8	510.5	511.1	513.4	508.5	503.9	501.9	499.3	499.9
17.5°	508.2	507.5	510.5	512.8	513.4	516.1	510.5	505.5	503.2	499.3	499.9
20°	508.2	507.8	511.5	515.7	517.7	520.0	514.1	509.5	505.5	501.2	501.2
22.5°	509.8	509.5	514.4	520.7	526.3	530.3	523.3	515.7	510.5	504.9	504.2
25°	516.7	516.1	522.0	529.6	537.2	541.1	534.2	526.6	519.0	512.8	512.1
27.5°	530.9	530.6	536.5	545.8	551.0	554.0	548.1	541.5	533.9	526.6	526.3
30°	550.0	550.0	557.6	567.2	570.2	572.5	566.5	561.9	554.0	546.1	545.4
32.5°	573.1	574.4	583.3	593.9	595.9	597.2	590.9	588.0	579.4	570.8	569.5
35°	603.5	603.8	614.7	625.2	627.9	629.2	621.9	619.3	611.4	602.1	600.2
37.5°	642.0	641.1	651.3	663.1	665.8	667.4	661.5	659.5	649.6	640.4	637.4
40°	685.2	685.9	697.4	708.7	710.3	711.0	708.0	705.0	695.8	685.2	681.6
42.5°	735.4	735.4	748.9	762.1	762.1	758.8	757.5	756.8	747.9	736.0	732.1
45°	792.7	793.4	810.2	820.1	820.8	811.9	813.2	817.1	808.6	793.4	788.1
47.5°	855.7	856.7	876.5	887.4	885.4	873.9	881.1	883.1	873.2	853.7	846.8
50°	922.0	925.0	947.1	966.2	963.6	946.7	956.3	957.0	940.8	918.4	908.8
52.5°	993.6	1000.5	1029.8	1050.3	1052.9	1031.8	1040.1	1039.4	1018.6	988.0	981.7
55°	1082.3	1086.2	1115.2	1144.3	1154.2	1128.1	1137.3	1132.7	1104.7	1069.7	1059.2
57.5°	1171.0	1176.9	1214.2	1246.8	1266.6	1244.5	1246.5	1234.6	1199.3	1157.1	1151.9
60°	1276.2	1278.8	1320.0	1362.6	1396.9	1383.7	1374.4	1349.7	1308.2	1265.9	1258.4
62.5°	1362.2	1367.5	1428.8	1491.5	1549.5	1551.9	1523.8	1486.9	1420.6	1350.0	1334.9
65°	1386.0	1394.6	1480.6	1604.3	1725.0	1778.7	1701.9	1589.1	1441.1	1334.5	1311.8
67.5°	1275.5	1292.0	1415.0	1620.4	1888.2	2049.5	1843.7	1540.6	1333.9	1209.6	1187.8
70°	991.9	999.2	1143.6	1425.6	1890.8	2221.6	1786.6	1337.8	1093.5	959.9	927.9
72.5°	527.0	530.6	660.8	959.9	1538.7	1919.2	1476.3	936.2	643.7	522.3	485.7
75°	170.2	174.8	227.5	393.1	848.8	1289.7	870.6	389.4	221.9	179.1	169.5
77.5°	86.7	86.4	96.0	126.6	285.6	632.1	302.1	136.5	96.0	86.1	83.4
80°	54.1	53.1	60.3	69.2	99.9	184.7	108.5	76.5	60.7	52.1	51.8
82.5°	30.7	30.7	40.6	44.5	56.4	76.2	63.3	52.4	41.5	31.0	30.0
85°	17.1	15.2	25.4	28.0	32.3	37.6	38.6	34.0	28.0	17.1	17.8
87.5°	6.3	6.9	11.9	11.2	12.9	8.9	15.8	17.8	15.8	8.2	6.9
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)