

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: P672625

Luminaire Tested: **CCP-SA-2A-850-U-5MQ**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P672625
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2A-850-U-5MQ
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @350mA w/ 5MQ
distribution lens
Light Source: (32) 5000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

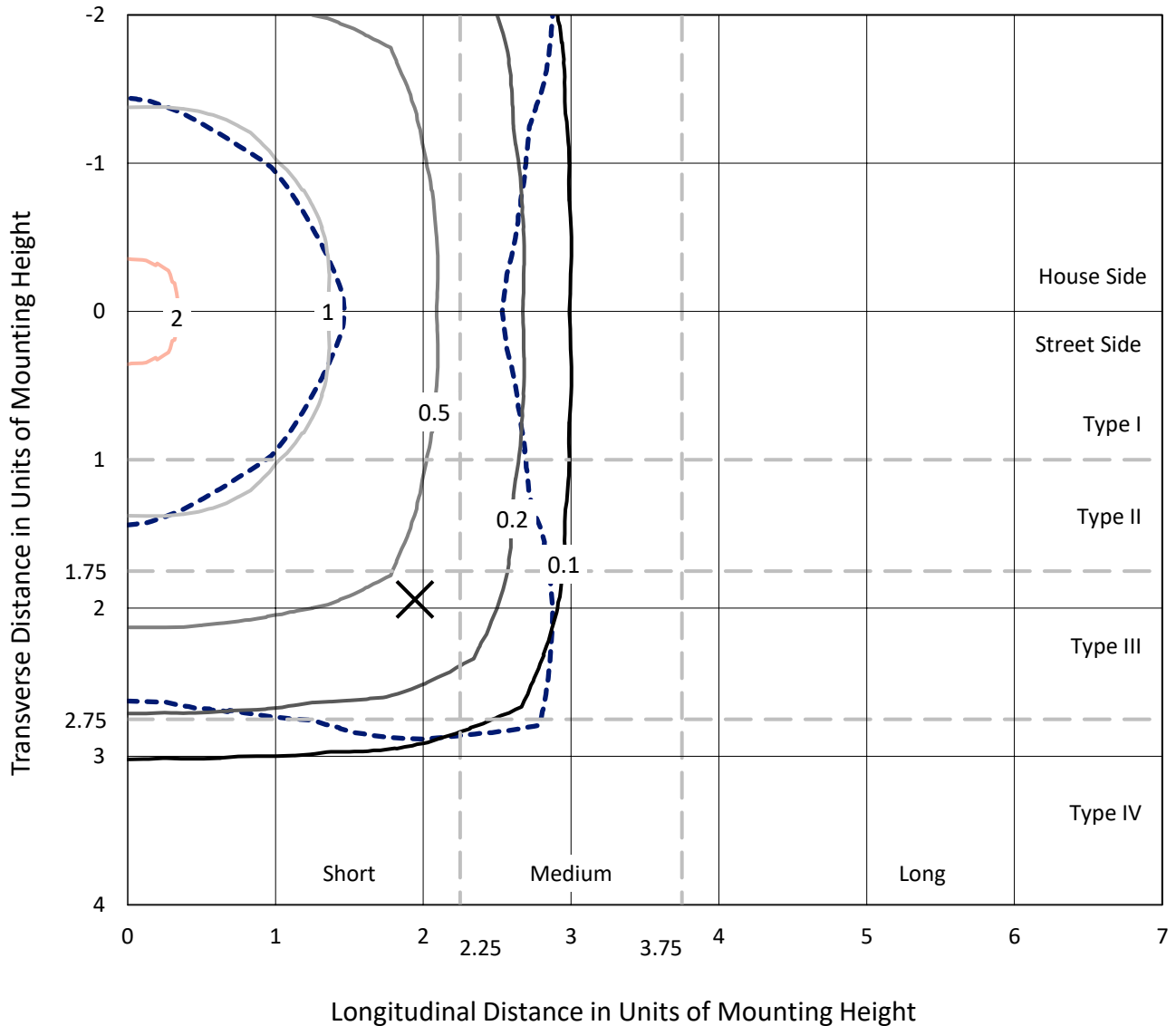
Lumens per Lamp: N/A
Luminaire Lumens: 4928.5 lumens
Efficiency: N/A
Efficacy: 136.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

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

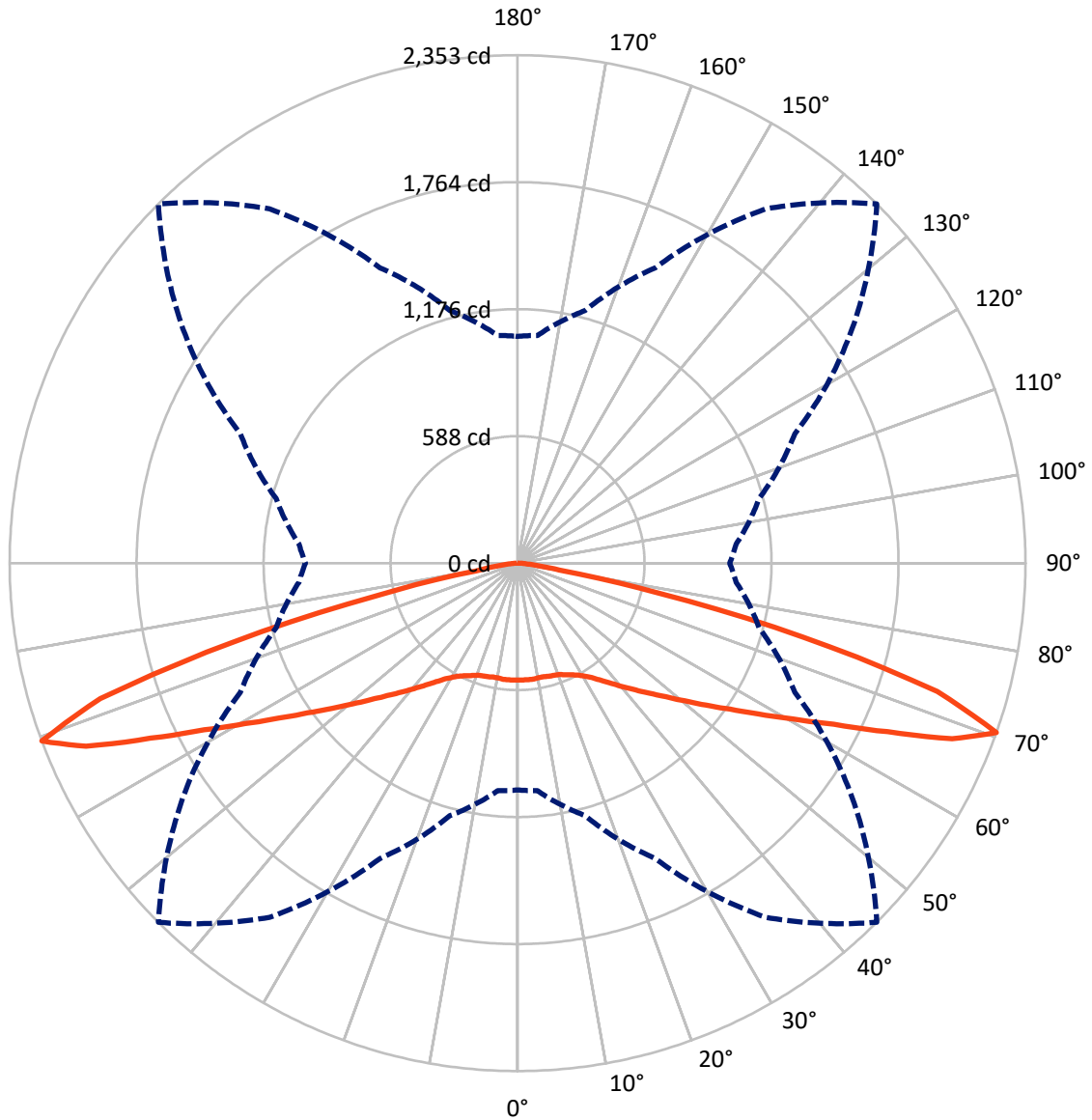
× Max cd
 - - - 1/2 Max cd



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	2464.2	0.0	2464.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2464.2	0.0	2464.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	4928.5	0.0	4928.5
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	51.6	1.0
10°-20°	152.6	3.1
20°-30°	260.6	5.3
30°-40°	415.8	8.4
40°-50°	671.0	13.6
50°-60°	1074.4	21.8
60°-70°	1572.9	31.9
70°-80°	691.8	14.0
80°-90°	37.9	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°	4928.5	100.0
0°-180°	4928.5	100.0



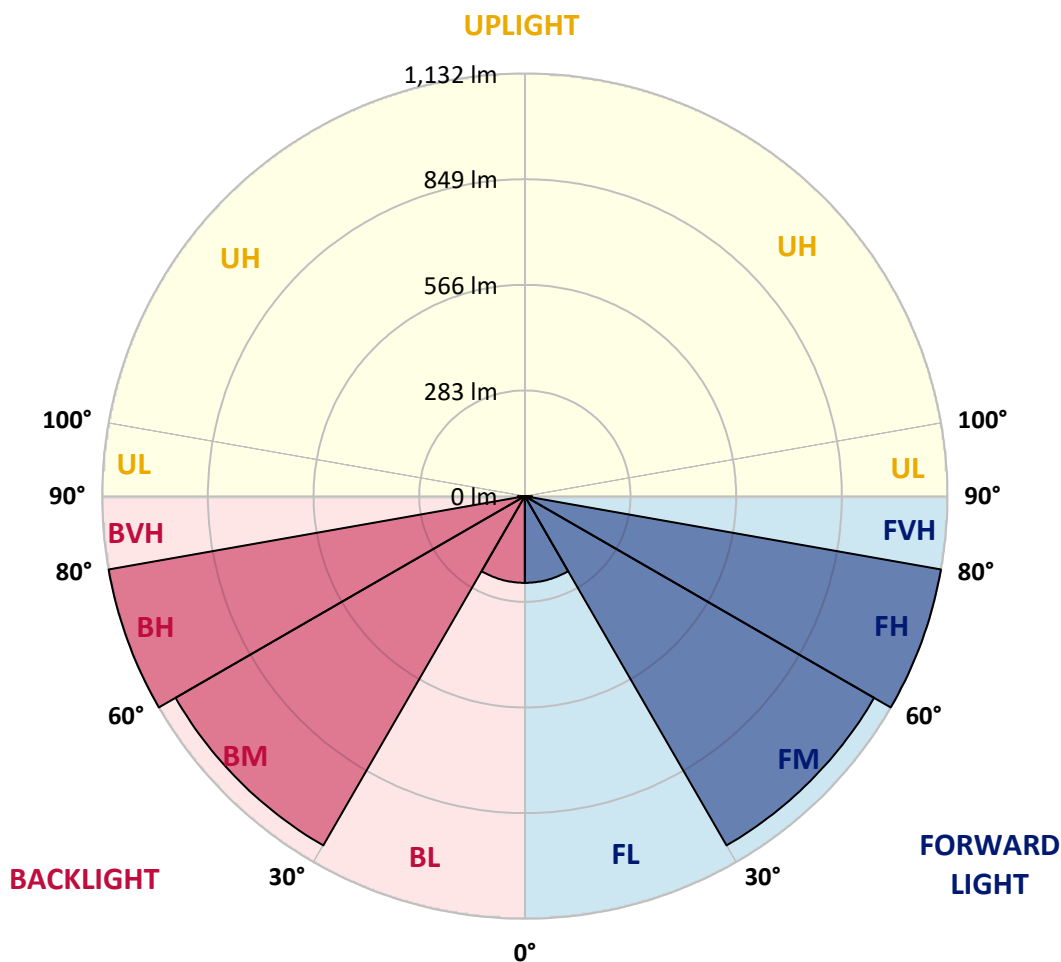
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	232.4	4.7			
FM (30°-60°)	1080.6	21.9			
FH (60°-80°)	1132.3	23.0			G1/1800
FVH (80°-90°)	19.0	0.4			G1/100
BL (0°-30°)	232.4	4.7	B1/500		
BM (30°-60°)	1080.6	21.9	B2/2500		
BH (60°-80°)	1132.3	23.0	B3/2500		G1/1800
BVH (80°-90°)	19.0	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°	542.0	542.0	542.0	542.0	542.0	542.0	542.0	542.0	542.0	542.0	542.0
2.5°	541.3	540.9	541.6	542.0	541.3	541.6	539.5	539.5	540.6	539.5	540.9
5°	543.7	543.0	543.7	543.7	542.0	542.0	539.5	538.8	539.5	537.8	539.2
7.5°	544.1	542.7	543.7	543.4	542.0	542.0	538.5	537.1	537.4	535.7	536.7
10°	540.6	539.9	541.3	540.6	539.5	539.5	536.7	534.6	534.6	532.9	533.9
12.5°	538.5	537.8	539.5	539.9	539.2	539.5	536.0	533.2	532.2	530.1	530.8
15°	538.5	537.1	539.9	540.6	541.3	543.7	538.5	533.6	531.5	528.7	529.4
17.5°	538.1	537.4	540.6	543.0	543.7	546.5	540.6	535.3	532.9	528.7	529.4
20°	538.1	537.8	541.6	546.2	548.3	550.7	544.4	539.5	535.3	530.8	530.8
22.5°	539.9	539.5	544.8	551.4	557.3	561.5	554.2	546.2	540.6	534.6	533.9
25°	547.2	546.5	552.8	560.8	568.9	573.1	565.7	557.7	549.7	543.0	542.3
27.5°	562.2	561.9	568.2	577.9	583.5	586.7	580.4	573.4	565.4	557.7	557.3
30°	582.5	582.5	590.5	600.6	603.8	606.2	599.9	595.1	586.7	578.3	577.6
32.5°	606.9	608.3	617.8	628.9	631.0	632.4	625.8	622.6	613.6	604.5	603.1
35°	639.1	639.4	650.9	662.1	664.9	666.3	658.6	655.8	647.4	637.7	635.6
37.5°	679.9	678.9	689.7	702.3	705.1	706.8	700.5	698.4	687.9	678.2	675.0
40°	725.7	726.4	738.6	750.5	752.2	752.9	749.8	746.6	736.8	725.7	721.8
42.5°	778.7	778.7	793.1	807.0	807.0	803.5	802.1	801.4	792.0	779.4	775.2
45°	839.5	840.2	858.0	868.5	869.2	859.8	861.2	865.3	856.3	840.2	834.6
47.5°	906.2	907.2	928.2	939.7	937.6	925.4	933.1	935.2	924.7	904.1	896.8
50°	976.4	979.5	1002.9	1023.2	1020.4	1002.6	1012.7	1013.4	996.3	972.5	962.4
52.5°	1052.2	1059.5	1090.6	1112.2	1115.0	1092.7	1101.4	1100.7	1078.7	1046.2	1039.6
55°	1146.1	1150.3	1181.0	1211.8	1222.2	1194.6	1204.4	1199.5	1169.9	1132.8	1121.7
57.5°	1240.0	1246.3	1285.8	1320.4	1341.3	1317.9	1320.0	1307.4	1270.1	1225.4	1219.8
60°	1351.4	1354.2	1397.9	1442.9	1479.3	1465.3	1455.5	1429.3	1385.3	1340.6	1332.6
62.5°	1442.6	1448.2	1513.1	1579.5	1640.9	1643.4	1613.7	1574.6	1504.4	1429.7	1413.6
65°	1467.7	1476.8	1567.9	1698.9	1826.7	1883.6	1802.3	1682.8	1526.0	1413.3	1389.2
67.5°	1350.7	1368.2	1498.5	1716.0	1999.6	2170.3	1952.4	1631.5	1412.6	1280.9	1257.9
70°	1050.4	1058.1	1211.1	1509.6	2002.4	2352.6	1892.0	1416.7	1158.0	1016.5	982.7
72.5°	558.0	561.9	699.8	1016.5	1629.4	2032.4	1563.4	991.4	681.7	553.1	514.4
75°	180.2	185.1	241.0	416.3	898.9	1365.8	921.9	412.4	235.0	189.6	179.5
77.5°	91.8	91.5	101.6	134.1	302.4	669.4	319.9	144.6	101.6	91.1	88.3
80°	57.3	56.2	63.9	73.3	105.8	195.6	114.9	81.0	64.3	55.2	54.8
82.5°	32.5	32.5	43.0	47.1	59.7	80.7	67.0	55.5	44.0	32.8	31.8
85°	18.2	16.1	26.9	29.7	34.2	39.8	40.9	36.0	29.7	18.2	18.9
87.5°	6.6	7.3	12.6	11.9	13.6	9.4	16.8	18.9	16.8	8.7	7.3
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)