

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: P672577

Luminaire Tested: **CCP-SA-1C-827-U-5MQ**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P672577
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1C-827-U-5MQ
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @615mA w/ 5MQ
distribution lens
Light Source: (16) 2700K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

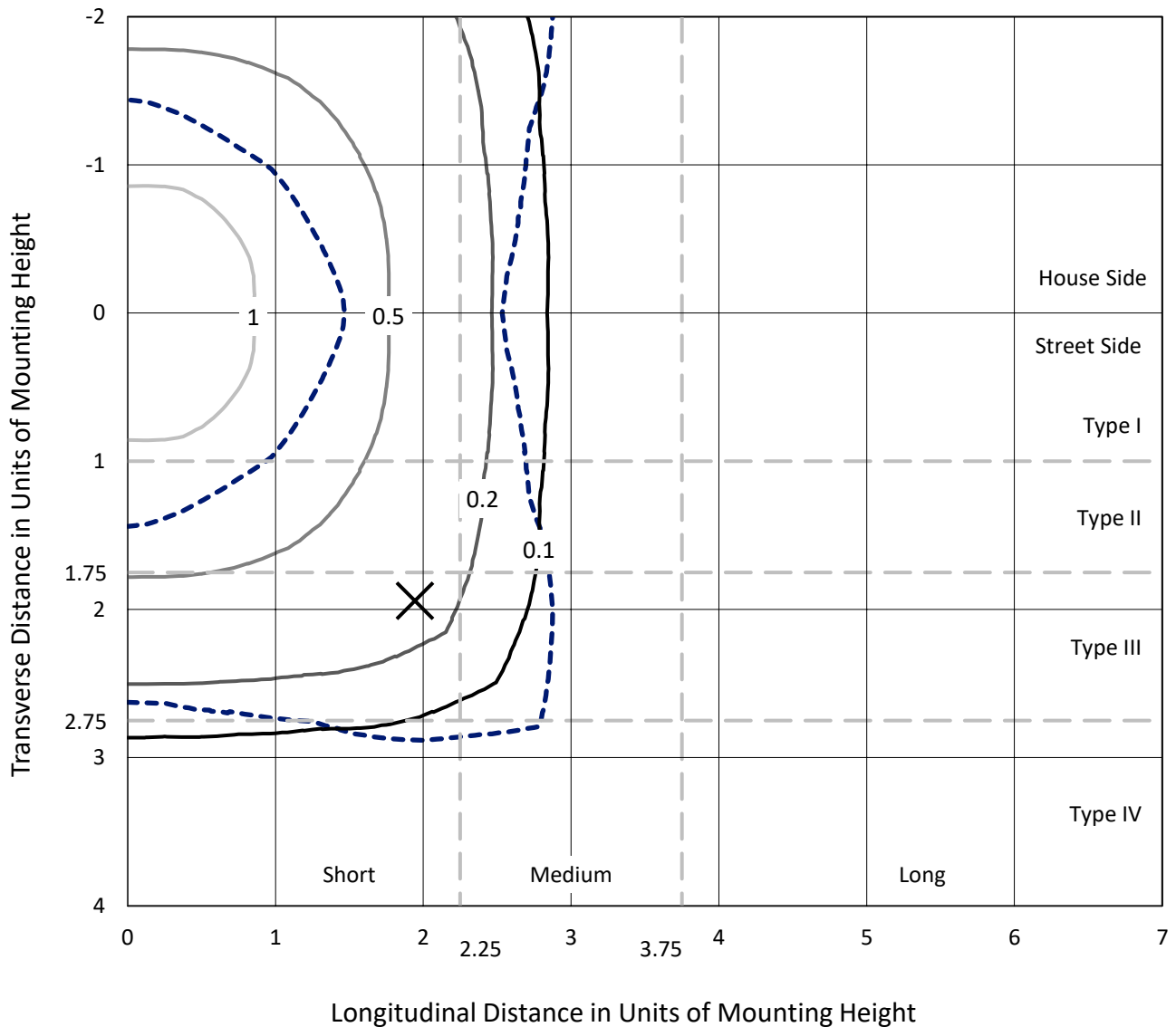
Lumens per Lamp: N/A
Luminaire Lumens: 3430.7 lumens
Efficiency: N/A
Efficacy: 107.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G1

Input Watts (W): 32
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

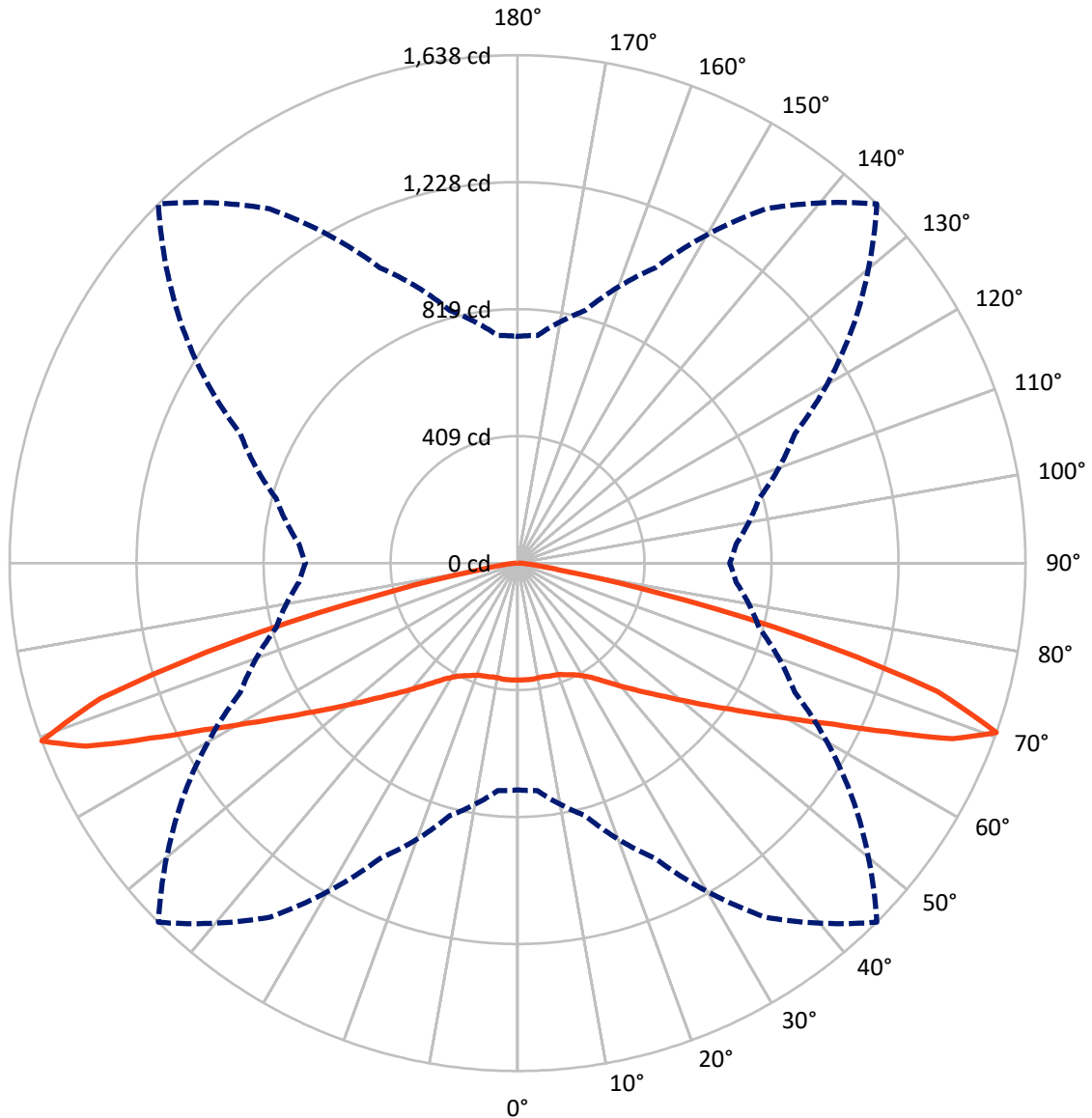
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 1.7 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	1715.4	0.0	1715.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1715.4	0.0	1715.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	3430.7	0.0	3430.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	35.9	1.0
10°-20°	106.2	3.1
20°-30°	181.4	5.3
30°-40°	289.4	8.4
40°-50°	467.1	13.6
50°-60°	747.9	21.8
60°-70°	1094.9	31.9
70°-80°	481.5	14.0
80°-90°	26.4	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°	3430.7	100.0
0°-180°	3430.7	100.0



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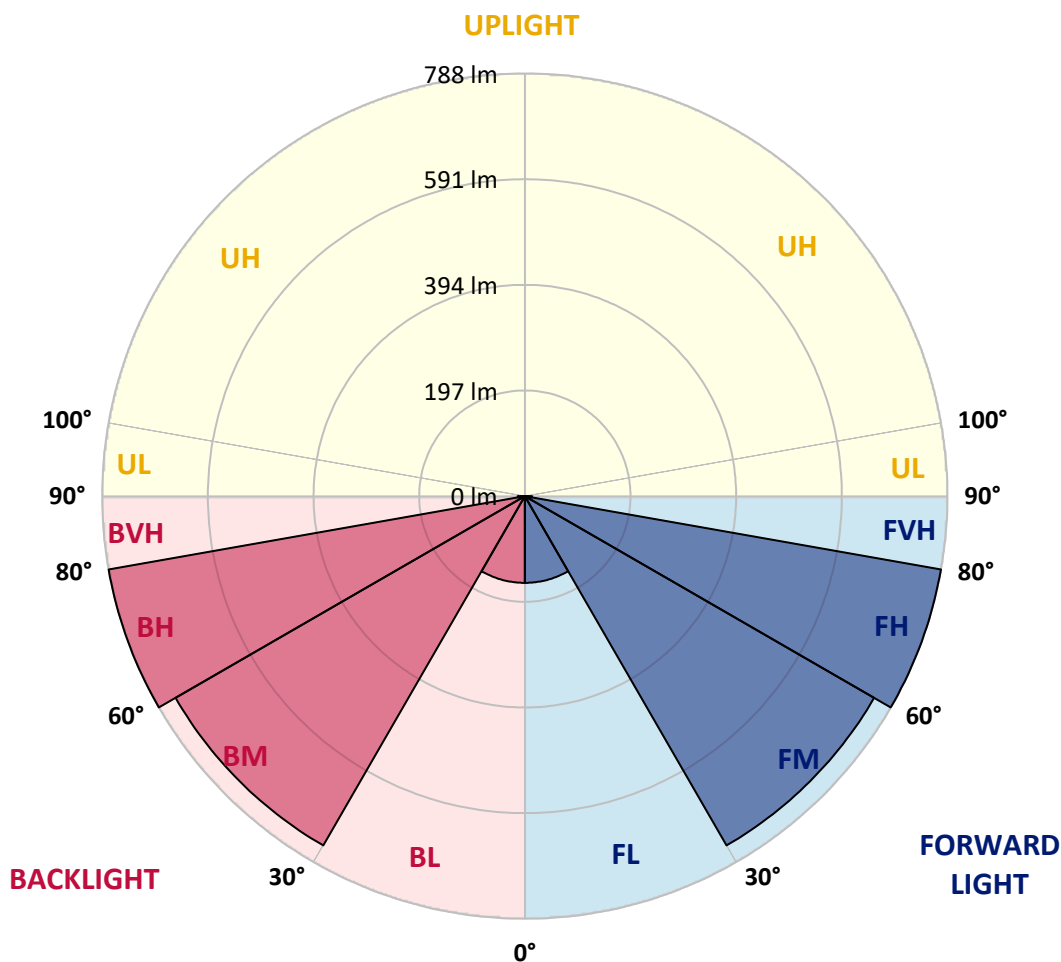
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	161.7	4.7			
FM (30°-60°)	752.2	21.9			
FH (60°-80°)	788.2	23.0			G1/1800
FVH (80°-90°)	13.2	0.4			G1/100
BL (0°-30°)	161.7	4.7	B1/500		
BM (30°-60°)	752.2	21.9	B1/1000		
BH (60°-80°)	788.2	23.0	B2/1000		G1/1800
BVH (80°-90°)	13.2	0.4			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	377.3	377.3	377.3	377.3	377.3	377.3	377.3	377.3	377.3	377.3	377.3
2.5°	376.8	376.5	377.0	377.3	376.8	377.0	375.6	375.6	376.3	375.6	376.5
5°	378.5	378.0	378.5	378.5	377.3	377.3	375.6	375.1	375.6	374.4	375.3
7.5°	378.7	377.8	378.5	378.2	377.3	377.3	374.8	373.9	374.1	372.9	373.6
10°	376.3	375.8	376.8	376.3	375.6	375.6	373.6	372.2	372.2	370.9	371.7
12.5°	374.8	374.4	375.6	375.8	375.3	375.6	373.1	371.2	370.5	369.0	369.5
15°	374.8	373.9	375.8	376.3	376.8	378.5	374.8	371.4	370.0	368.0	368.5
17.5°	374.6	374.1	376.3	378.0	378.5	380.4	376.3	372.7	370.9	368.0	368.5
20°	374.6	374.4	377.0	380.2	381.6	383.3	379.0	375.6	372.7	369.5	369.5
22.5°	375.8	375.6	379.2	383.8	388.0	390.9	385.8	380.2	376.3	372.2	371.7
25°	380.9	380.4	384.8	390.4	396.0	398.9	393.8	388.2	382.6	378.0	377.5
27.5°	391.4	391.1	395.5	402.3	406.2	408.4	404.0	399.1	393.6	388.2	388.0
30°	405.5	405.5	411.1	418.1	420.3	422.0	417.6	414.2	408.4	402.6	402.1
32.5°	422.5	423.5	430.0	437.8	439.3	440.2	435.6	433.4	427.1	420.8	419.8
35°	444.8	445.1	453.1	460.9	462.8	463.8	458.5	456.5	450.7	443.9	442.4
37.5°	473.3	472.6	480.1	488.8	490.8	492.0	487.6	486.2	478.9	472.1	469.9
40°	505.1	505.6	514.1	522.4	523.6	524.1	521.9	519.7	512.9	505.1	502.5
42.5°	542.1	542.1	552.0	561.8	561.8	559.3	558.4	557.9	551.3	542.6	539.7
45°	584.4	584.9	597.3	604.6	605.0	598.5	599.5	602.4	596.0	584.9	581.0
47.5°	630.8	631.5	646.1	654.1	652.7	644.2	649.5	651.0	643.7	629.3	624.2
50°	679.7	681.9	698.1	712.2	710.3	697.9	704.9	705.4	693.5	677.0	669.9
52.5°	732.4	737.5	759.2	774.2	776.2	760.6	766.7	766.2	750.9	728.3	723.7
55°	797.8	800.7	822.1	843.5	850.8	831.6	838.4	835.0	814.3	788.6	780.8
57.5°	863.2	867.6	895.0	919.1	933.7	917.4	918.9	910.1	884.1	853.0	849.1
60°	940.7	942.7	973.1	1004.4	1029.7	1020.0	1013.2	995.0	964.3	933.2	927.6
62.5°	1004.2	1008.1	1053.3	1099.5	1142.3	1144.0	1123.3	1096.1	1047.2	995.2	984.0
65°	1021.7	1028.0	1091.5	1182.6	1271.6	1311.2	1254.6	1171.4	1062.3	983.8	967.0
67.5°	940.3	952.4	1043.1	1194.5	1391.9	1510.8	1359.1	1135.7	983.3	891.6	875.6
70°	731.2	736.6	843.0	1050.9	1393.9	1637.7	1317.0	986.2	806.1	707.6	684.0
72.5°	388.5	391.1	487.1	707.6	1134.2	1414.8	1088.3	690.1	474.5	385.0	358.1
75°	125.4	128.8	167.7	289.8	625.7	950.7	641.7	287.1	163.6	132.0	124.9
77.5°	63.9	63.7	70.7	93.3	210.5	466.0	222.7	100.6	70.7	63.4	61.5
80°	39.9	39.1	44.5	51.0	73.7	136.1	80.0	56.4	44.7	38.4	38.2
82.5°	22.6	22.6	29.9	32.8	41.6	56.2	46.7	38.7	30.6	22.9	22.1
85°	12.6	11.2	18.7	20.7	23.8	27.7	28.4	25.0	20.7	12.6	13.1
87.5°	4.6	5.1	8.8	8.3	9.5	6.6	11.7	13.1	11.7	6.1	5.1
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)