

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: P672437

Luminaire Tested: **CCP-SA-2A-827-U-5WQ**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P672437
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2A-827-U-5WQ
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @350mA w/ 5WQ distribution lens
Light Source: (32) 2700K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

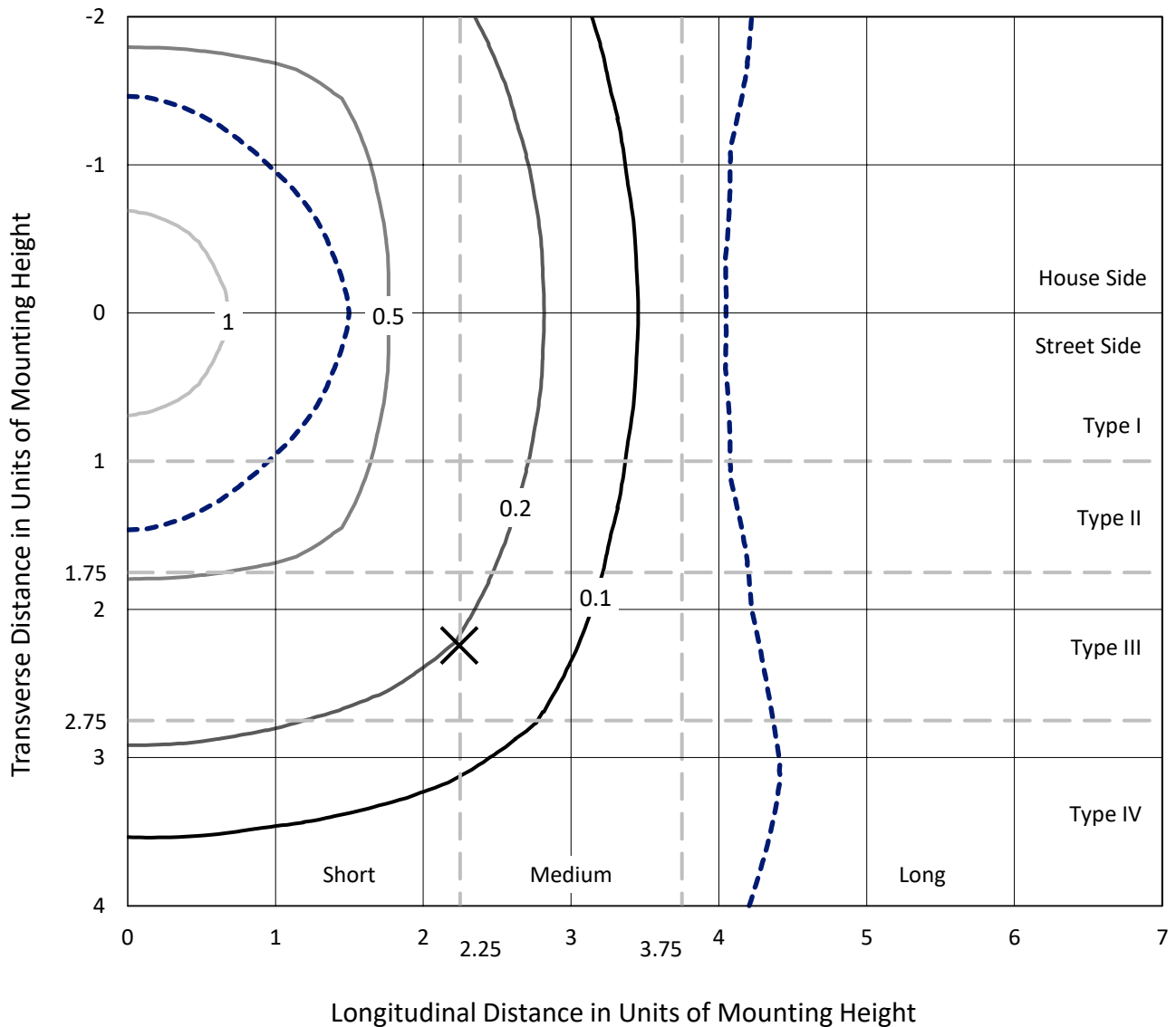
Lumens per Lamp: N/A
Luminaire Lumens: 4215.7 lumens
Efficiency: N/A
Efficacy: 116.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

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

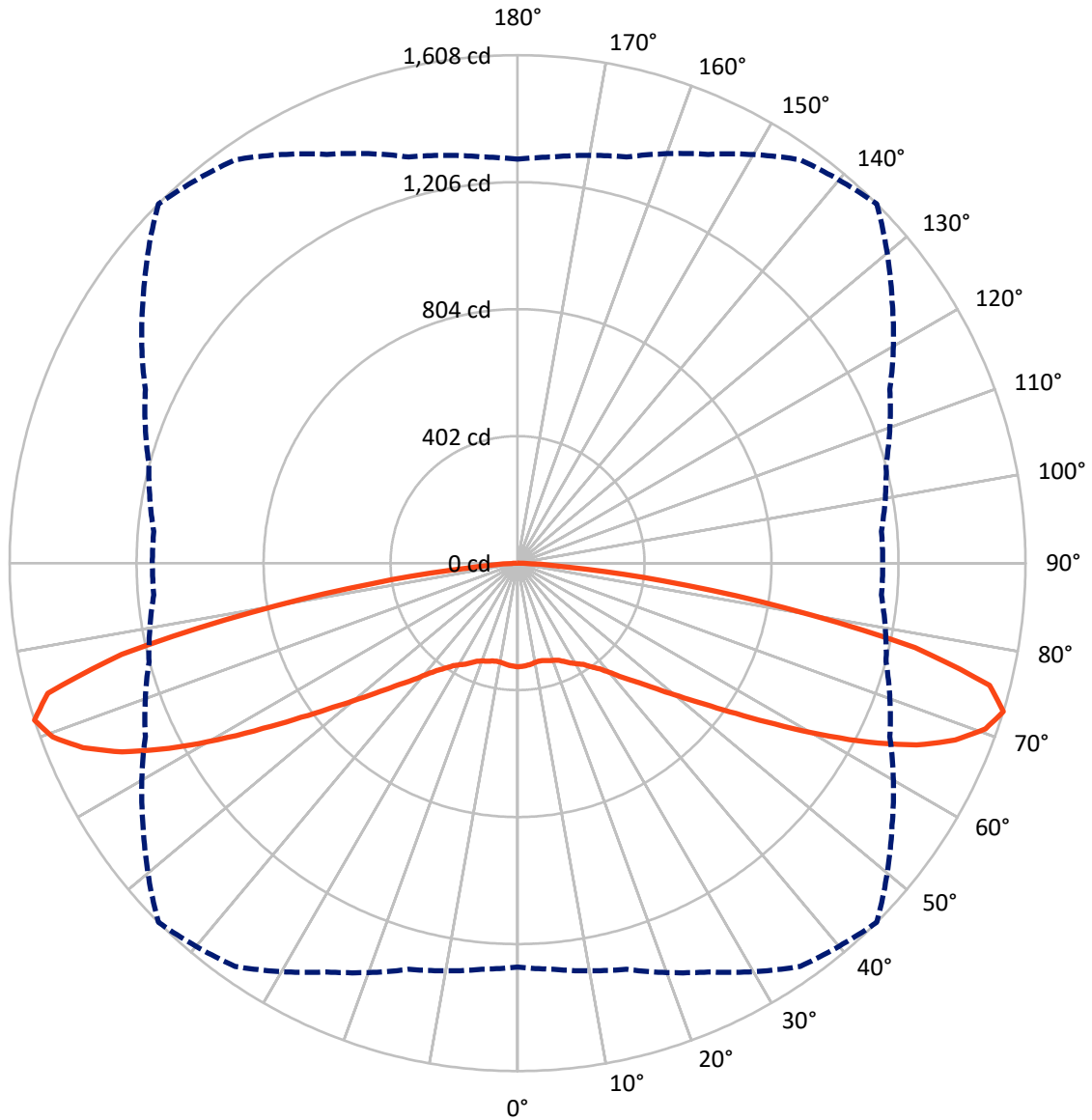
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 1.5 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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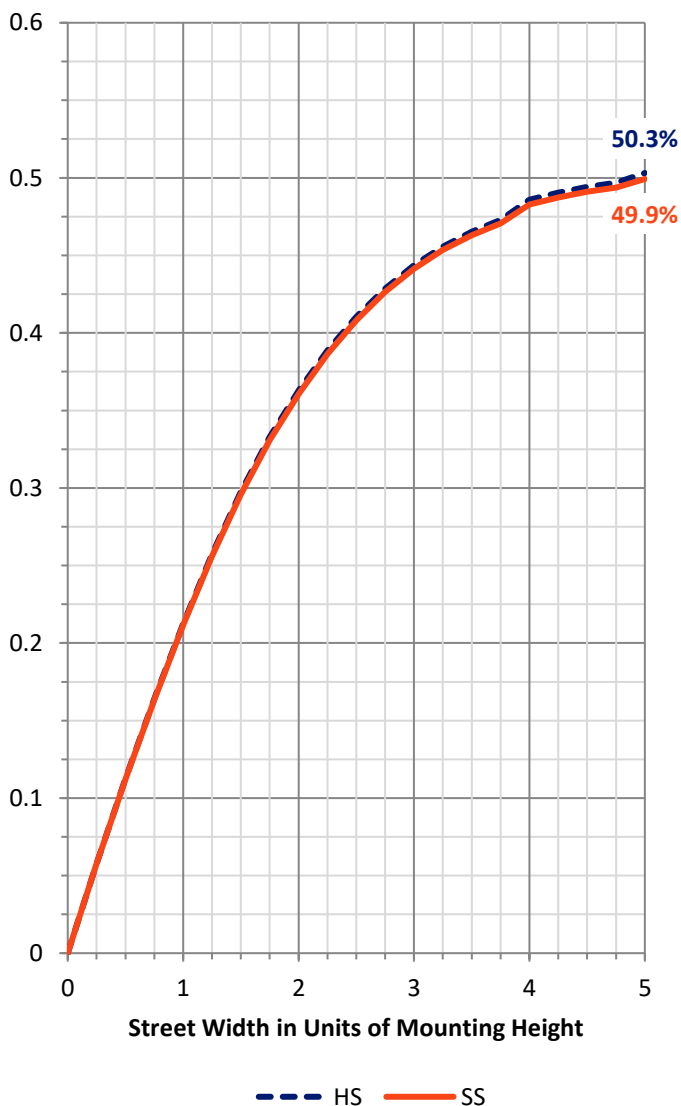
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2107.8	0.0	2107.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2107.8	0.0	2107.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	4215.7	0.0	4215.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	30.8	0.7
10°-20°	91.6	2.2
20°-30°	160.8	3.8
30°-40°	256.6	6.1
40°-50°	429.1	10.2
50°-60°	734.3	17.4
60°-70°	1212.2	28.8
70°-80°	1161.8	27.6
80°-90°	138.5	3.3
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°	4215.7	100.0
0°-180°	4215.7	100.0



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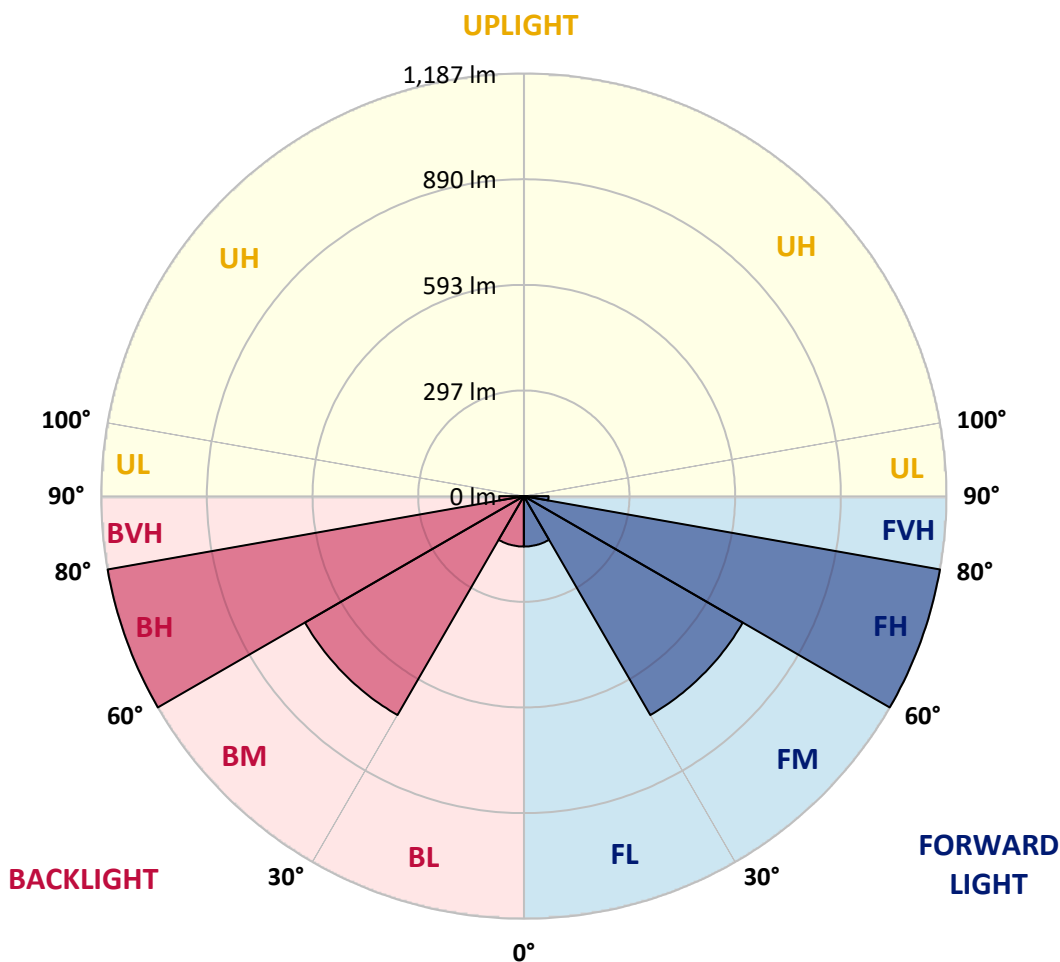
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	141.6	3.4			
FM (30°-60°)	710.0	16.8			
FH (60°-80°)	1187.0	28.2			G1/1800
FVH (80°-90°)	69.3	1.6			G1/100
BL (0°-30°)	141.6	3.4	B1/500		
BM (30°-60°)	710.0	16.8	B1/1000		
BH (60°-80°)	1187.0	28.2	B3/2500		G1/1800
BVH (80°-90°)	69.3	1.6			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°	328.3	328.3	328.3	328.3	328.3	328.3	328.3	328.3	328.3	328.3	328.3
2.5°	326.2	326.2	327.1	327.4	327.1	326.8	326.5	326.2	327.1	326.8	327.1
5°	325.3	325.3	325.6	325.9	325.3	325.0	324.5	324.2	324.8	324.8	325.3
7.5°	323.0	322.7	323.0	323.3	322.4	322.1	321.2	321.2	321.2	320.9	321.5
10°	320.9	320.3	320.3	319.8	318.3	318.6	317.4	318.3	319.8	320.0	320.3
12.5°	321.8	321.2	320.6	319.2	317.1	317.4	317.1	318.0	320.0	321.2	322.1
15°	325.9	325.3	323.9	321.2	320.0	320.0	319.5	319.8	322.7	324.5	325.3
17.5°	330.3	329.2	326.5	324.8	323.6	324.5	322.4	322.1	324.5	327.1	328.0
20°	333.9	333.0	329.8	327.7	327.7	328.6	326.5	325.3	328.0	331.2	332.1
22.5°	340.0	339.5	336.2	334.2	334.2	334.5	333.3	332.4	335.3	338.6	339.5
25°	348.9	348.9	345.6	344.8	344.5	345.0	343.6	342.7	345.3	347.7	348.6
27.5°	359.2	358.3	355.6	355.0	356.2	358.3	355.6	353.3	355.3	357.4	357.7
30°	370.1	370.1	367.7	367.7	368.6	369.5	367.1	364.8	366.8	369.2	369.5
32.5°	385.3	384.5	383.6	383.9	383.6	382.4	381.2	380.9	382.7	384.2	384.8
35°	404.2	403.9	402.7	403.3	403.3	403.3	399.8	398.6	401.5	402.7	402.1
37.5°	433.3	433.0	430.1	428.3	426.2	425.4	420.9	420.6	427.7	431.2	430.6
40°	468.9	467.7	465.1	462.1	459.5	457.7	453.3	456.5	463.9	466.5	466.5
42.5°	507.7	506.2	503.3	501.8	500.1	498.3	492.4	493.9	502.7	505.4	502.4
45°	555.4	553.3	550.1	546.8	544.2	540.7	537.7	539.2	548.6	551.8	549.5
47.5°	606.0	605.4	602.7	600.1	597.7	595.4	591.6	594.2	602.4	601.8	597.1
50°	659.5	660.7	661.0	663.6	661.9	662.2	655.1	653.6	660.1	656.3	650.4
52.5°	717.2	718.9	725.1	730.4	740.1	741.3	732.5	723.0	721.9	711.9	705.7
55°	783.9	783.6	797.2	811.9	833.4	840.1	820.4	802.8	793.1	773.6	767.2
57.5°	859.5	858.7	879.2	905.1	944.0	960.7	924.5	891.0	867.5	844.2	837.5
60°	941.6	943.7	968.7	1010.7	1077.8	1101.0	1046.3	990.7	954.8	924.5	921.9
62.5°	1037.5	1037.8	1067.2	1124.3	1211.3	1248.7	1173.4	1098.1	1052.5	1019.3	1012.2
65°	1150.8	1152.8	1184.3	1241.9	1342.0	1388.1	1301.4	1209.6	1155.8	1110.7	1109.9
67.5°	1266.9	1265.8	1294.6	1355.8	1452.3	1494.9	1404.0	1301.7	1231.6	1175.5	1168.1
70°	1341.4	1347.8	1379.0	1437.6	1529.9	1571.4	1460.8	1337.2	1264.0	1212.5	1209.0
72.5°	1278.7	1290.8	1331.1	1428.1	1559.0	1608.2	1447.3	1300.5	1208.1	1156.3	1156.3
75°	1038.1	1058.1	1114.3	1263.7	1458.4	1543.5	1339.9	1138.1	1003.7	948.4	948.4
77.5°	632.4	651.6	727.5	909.8	1177.8	1286.7	1092.2	857.2	701.6	633.9	625.1
80°	210.3	222.7	297.1	462.4	723.0	856.3	731.9	486.8	314.2	239.4	238.3
82.5°	55.9	60.9	84.7	134.1	313.9	463.9	334.8	160.6	92.1	71.5	65.9
85°	19.4	20.9	35.9	44.7	79.7	153.6	93.2	58.2	44.7	27.1	25.3
87.5°	5.6	6.2	14.4	15.6	22.9	17.9	25.3	23.2	21.2	8.8	7.9
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)