

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: P672456

Luminaire Tested: **CCP-SA-1D-835-U-5WQ**

Issue Date: 04/16/2023

Test Information

Test Method: LM-79-08
Report Number: P672456
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1D-835-U-5WQ
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @800mA w/ 5WQ
distribution lens
Light Source: (16) 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4816.4 lumens
Efficiency: N/A
Efficacy: 109.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

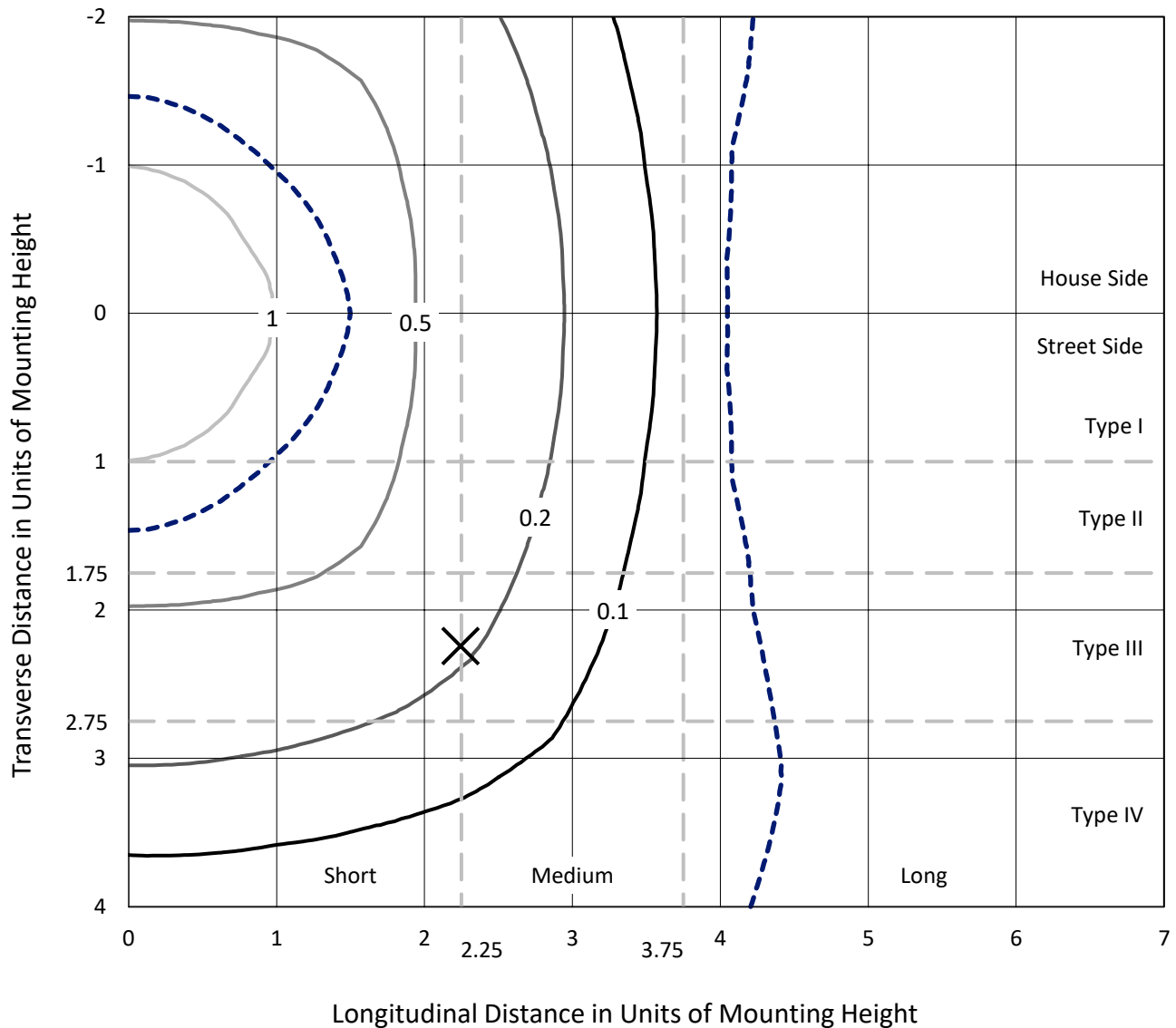
Input Watts (W): 44
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

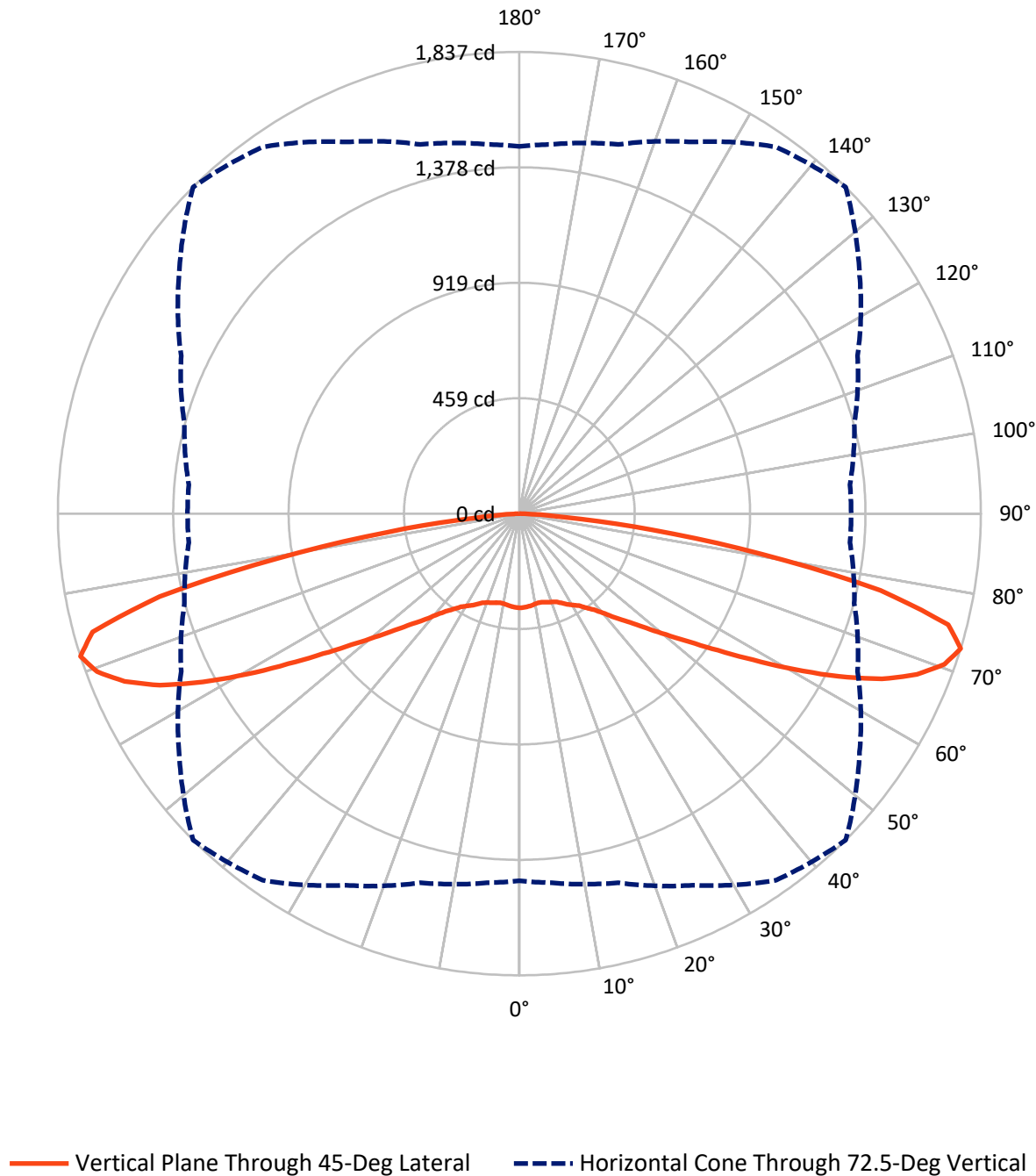


Based on 15 foot mounting height. Maximum calculated value = 1.7 fc
Type V - Short - N/A

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Luminous Intensity Polar Plot



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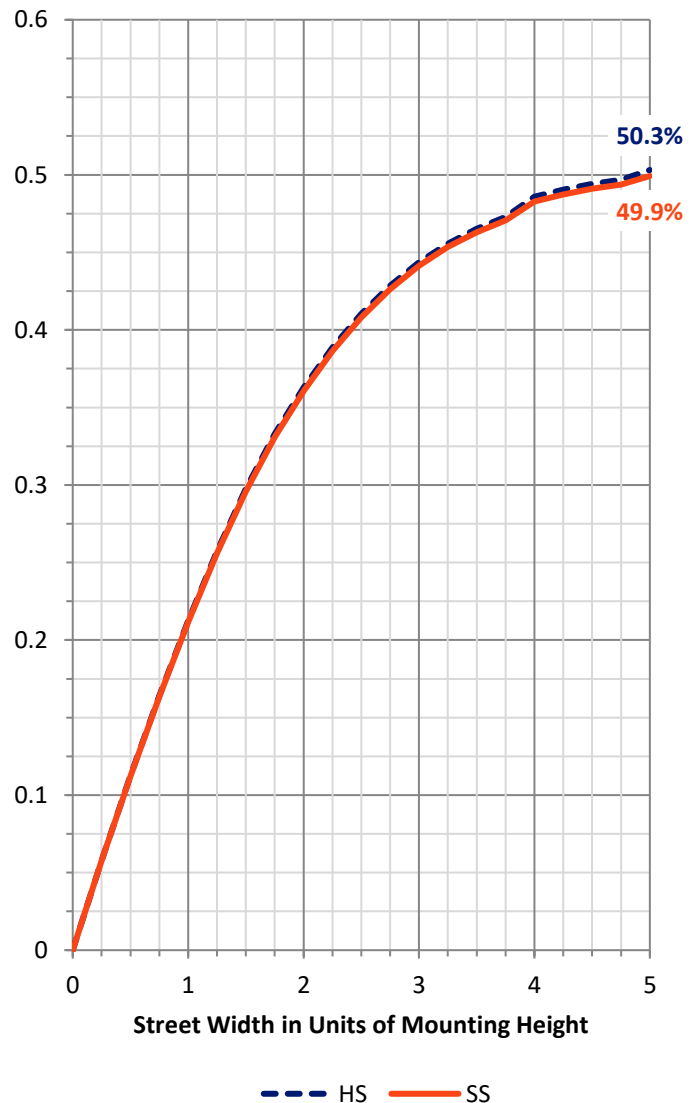
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2408.2	0.0	2408.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2408.2	0.0	2408.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	4816.4	0.0	4816.4
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	35.2	0.7
10°-20°	104.6	2.2
20°-30°	183.8	3.8
30°-40°	293.2	6.1
40°-50°	490.2	10.2
50°-60°	838.9	17.4
60°-70°	1384.9	28.8
70°-80°	1327.3	27.6
80°-90°	158.3	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°	4816.4	100.0
0°-180°	4816.4	100.0



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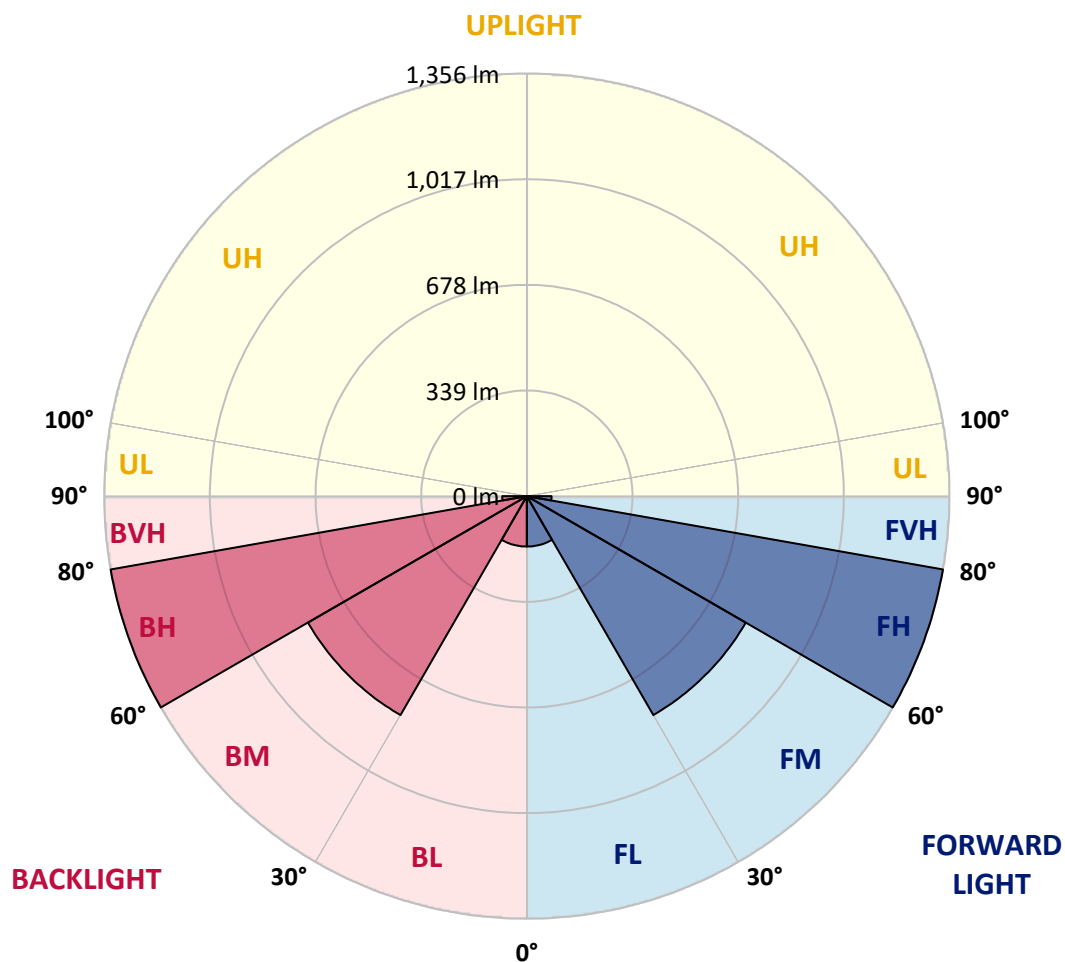
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	161.8	3.4			
FM	(30°-60°)	811.2	16.8			
FH	(60°-80°)	1356.1	28.2			G1/1800
FVH	(80°-90°)	79.2	1.6			G1/100
BL	(0°-30°)	161.8	3.4	B1/500		
BM	(30°-60°)	811.2	16.8	B1/1000		
BH	(60°-80°)	1356.1	28.2	B3/2500		G1/1800
BVH	(80°-90°)	79.2	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°	375.1	375.1	375.1	375.1	375.1	375.1	375.1	375.1	375.1	375.1	375.1
2.5°	372.7	372.7	373.7	374.1	373.7	373.4	373.0	372.7	373.7	373.4	373.7
5°	371.7	371.7	372.0	372.4	371.7	371.4	370.7	370.4	371.0	371.0	371.7
7.5°	369.0	368.7	369.0	369.3	368.3	368.0	367.0	367.0	367.0	366.7	367.3
10°	366.7	366.0	366.0	365.3	363.6	364.0	362.6	363.6	365.3	365.7	366.0
12.5°	367.7	367.0	366.3	364.6	362.3	362.6	362.3	363.3	365.7	367.0	368.0
15°	372.4	371.7	370.0	367.0	365.7	365.7	365.0	365.3	368.7	370.7	371.7
17.5°	377.4	376.1	373.0	371.0	369.7	370.7	368.3	368.0	370.7	373.7	374.7
20°	381.4	380.4	376.7	374.4	374.4	375.4	373.0	371.7	374.7	378.4	379.4
22.5°	388.5	387.8	384.1	381.8	381.8	382.1	380.8	379.8	383.1	386.8	387.8
25°	398.6	398.6	394.9	393.9	393.5	394.2	392.5	391.5	394.6	397.2	398.3
27.5°	410.3	409.3	406.3	405.6	407.0	409.3	406.3	403.6	406.0	408.3	408.7
30°	422.8	422.8	420.1	420.1	421.1	422.1	419.4	416.7	419.1	421.8	422.1
32.5°	440.3	439.3	438.2	438.6	438.2	436.9	435.6	435.2	437.2	438.9	439.6
35°	461.8	461.4	460.1	460.8	460.8	460.8	456.7	455.4	458.7	460.1	459.4
37.5°	495.0	494.7	491.3	489.3	487.0	486.0	480.9	480.6	488.7	492.7	492.0
40°	535.7	534.4	531.3	528.0	525.0	522.9	517.9	521.6	530.0	533.0	533.0
42.5°	580.1	578.4	575.0	573.3	571.3	569.3	562.6	564.3	574.4	577.4	574.0
45°	634.5	632.2	628.5	624.8	621.7	617.7	614.3	616.0	626.8	630.5	627.8
47.5°	692.3	691.6	688.6	685.6	682.9	680.2	675.9	678.9	688.3	687.6	682.2
50°	753.5	754.8	755.2	758.2	756.2	756.5	748.4	746.8	754.2	749.8	743.1
52.5°	819.4	821.4	828.4	834.5	845.6	846.9	836.8	826.1	824.7	813.3	806.2
55°	895.6	895.3	910.8	927.6	952.1	959.8	937.3	917.2	906.1	883.9	876.5
57.5°	982.0	981.0	1004.5	1034.1	1078.5	1097.6	1056.3	1018.0	991.1	964.5	956.8
60°	1075.8	1078.1	1106.7	1154.8	1231.4	1257.9	1195.4	1131.9	1090.9	1056.3	1053.3
62.5°	1185.3	1185.7	1219.3	1284.5	1384.0	1426.6	1340.6	1254.6	1202.5	1164.5	1156.4
65°	1314.7	1317.1	1353.0	1418.9	1533.2	1585.9	1486.8	1381.9	1320.4	1269.0	1268.0
67.5°	1447.5	1446.1	1479.1	1549.0	1659.2	1707.9	1604.1	1487.1	1407.2	1343.0	1334.6
70°	1532.5	1539.9	1575.5	1642.4	1747.9	1795.3	1669.0	1527.8	1444.1	1385.3	1381.3
72.5°	1460.9	1474.7	1520.7	1631.7	1781.2	1837.3	1653.5	1485.8	1380.3	1321.1	1321.1
75°	1186.0	1208.9	1273.1	1443.8	1666.3	1763.4	1530.8	1300.3	1146.7	1083.5	1083.5
77.5°	722.6	744.4	831.1	1039.5	1345.7	1470.0	1247.9	979.3	801.5	724.2	714.2
80°	240.3	254.4	339.4	528.3	826.1	978.3	836.2	556.2	358.9	273.6	272.2
82.5°	63.9	69.6	96.8	153.3	358.6	530.0	382.5	183.5	105.2	81.7	75.3
85°	22.2	23.9	41.0	51.1	91.1	175.4	106.5	66.5	51.1	30.9	28.9
87.5°	6.4	7.1	16.5	17.8	26.2	20.5	28.9	26.6	24.2	10.1	9.1
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)