

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: P672434

Luminaire Tested: **CCP-SA-1D-827-U-5WQ**

Issue Date: 04/16/2023

Test Information

Test Method: LM-79-08
Report Number: P672434
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1D-827-U-5WQ
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @800mA w/ 5WQ
distribution lens
Light Source: (16) 2700K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4296.8 lumens
Efficiency: N/A
Efficacy: 97.7 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

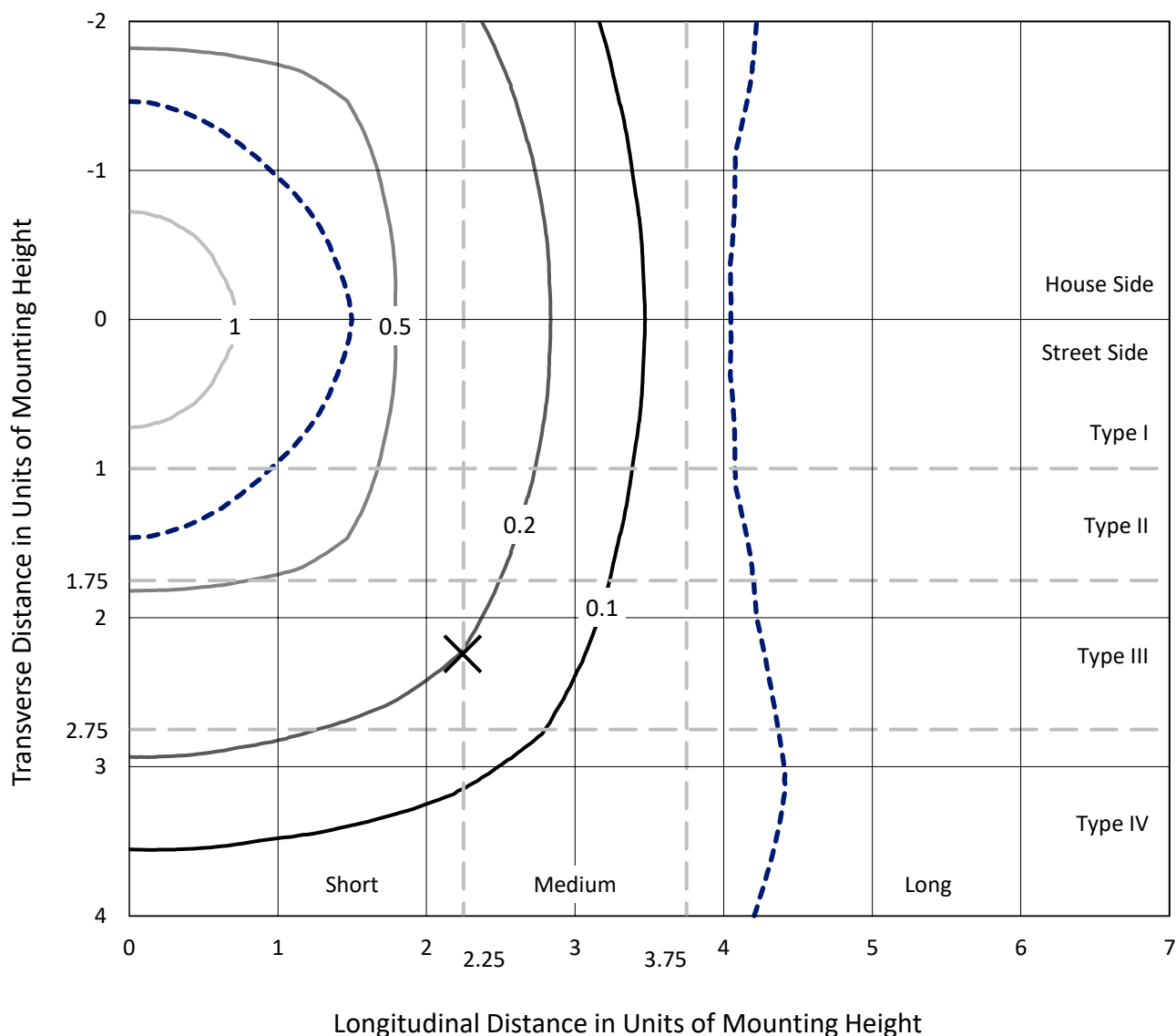
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd



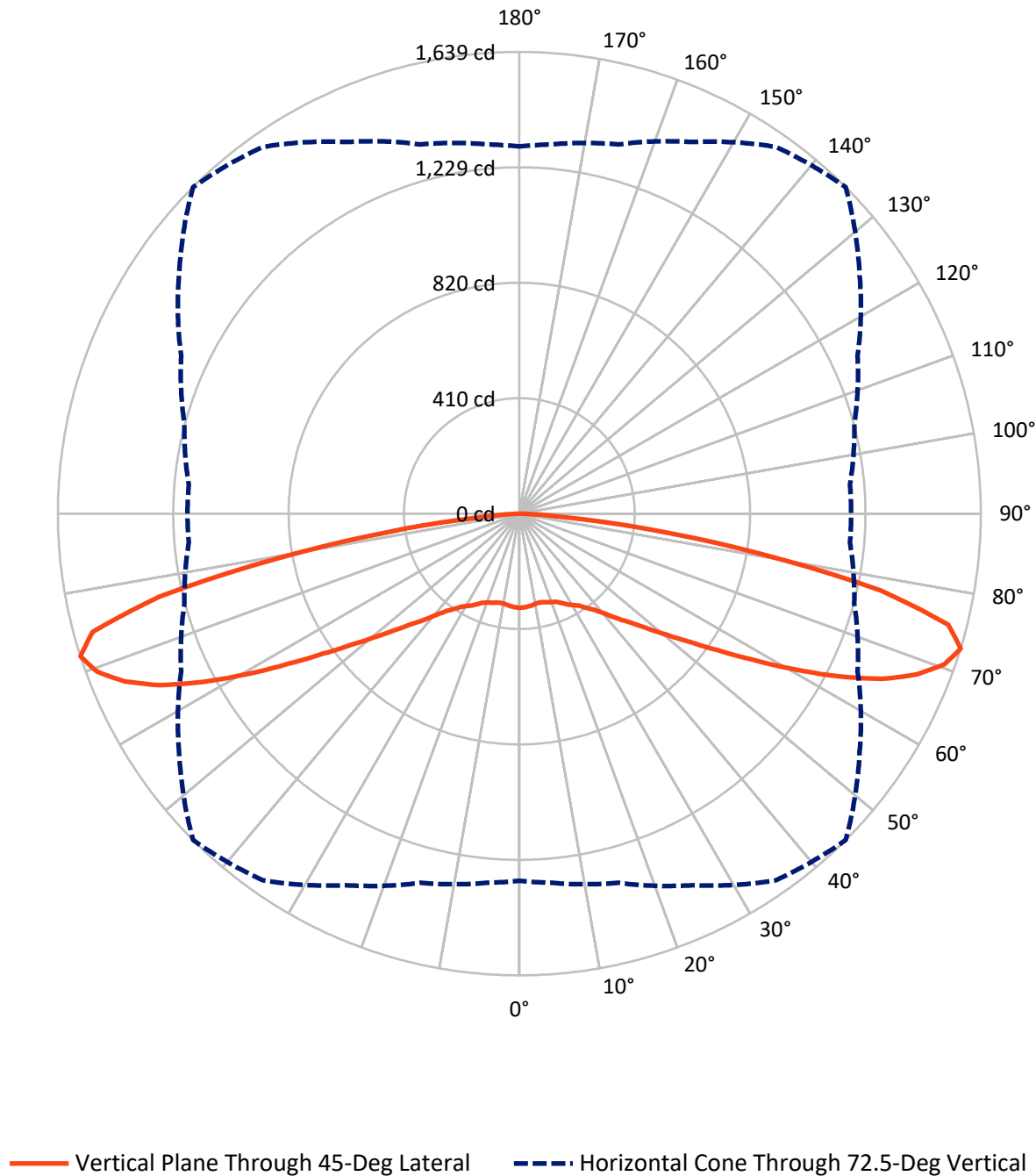
Based on 15 foot mounting height. Maximum calculated value = 1.5 fc

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	2148.4	0.0	2148.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2148.4	0.0	2148.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	4296.8	0.0	4296.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	31.4	0.7
10°-20°	93.3	2.2
20°-30°	163.9	3.8
30°-40°	261.6	6.1
40°-50°	437.3	10.2
50°-60°	748.4	17.4
60°-70°	1235.5	28.8
70°-80°	1184.1	27.6
80°-90°	141.2	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°	4296.8	100.0
0°-180°	4296.8	100.0

Coefficient of Utilization



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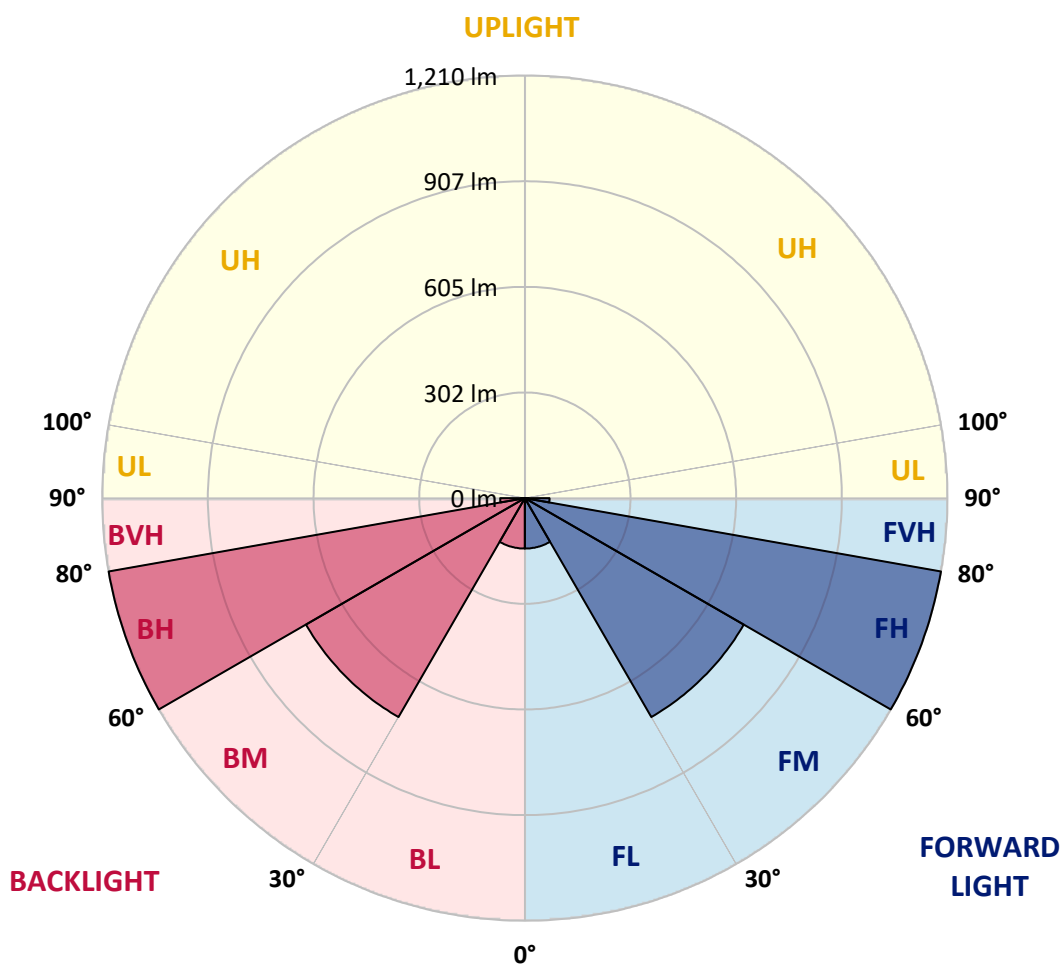
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	144.3	3.4			
FM	(30°-60°)	723.6	16.8			
FH	(60°-80°)	1209.8	28.2			G1/1800
FVH	(80°-90°)	70.6	1.6			G1/100
BL	(0°-30°)	144.3	3.4	B1/500		
BM	(30°-60°)	723.6	16.8	B1/1000		
BH	(60°-80°)	1209.8	28.2	B3/2500		G1/1800
BVH	(80°-90°)	70.6	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°	334.6	334.6	334.6	334.6	334.6	334.6	334.6	334.6	334.6	334.6	334.6
2.5°	332.5	332.5	333.4	333.7	333.4	333.1	332.8	332.5	333.4	333.1	333.4
5°	331.6	331.6	331.9	332.2	331.6	331.3	330.7	330.4	331.0	331.0	331.6
7.5°	329.2	328.9	329.2	329.5	328.6	328.3	327.4	327.4	327.4	327.1	327.7
10°	327.1	326.5	326.5	325.9	324.4	324.7	323.5	324.4	325.9	326.2	326.5
12.5°	328.0	327.4	326.8	325.3	323.2	323.5	323.2	324.1	326.2	327.4	328.3
15°	332.2	331.6	330.1	327.4	326.2	326.2	325.6	325.9	328.9	330.7	331.6
17.5°	336.7	335.5	332.8	331.0	329.8	330.7	328.6	328.3	330.7	333.4	334.3
20°	340.3	339.4	336.1	334.0	334.0	334.9	332.8	331.6	334.3	337.6	338.5
22.5°	346.6	346.0	342.7	340.6	340.6	340.9	339.7	338.8	341.8	345.1	346.0
25°	355.6	355.6	352.3	351.4	351.1	351.7	350.2	349.3	352.0	354.4	355.3
27.5°	366.1	365.2	362.5	361.9	363.1	365.2	362.5	360.1	362.2	364.3	364.6
30°	377.2	377.2	374.8	374.8	375.7	376.6	374.2	371.8	373.9	376.3	376.6
32.5°	392.8	391.9	391.0	391.3	391.0	389.8	388.6	388.3	390.1	391.6	392.2
35°	411.9	411.7	410.5	411.1	411.1	411.1	407.5	406.3	409.3	410.5	409.9
37.5°	441.6	441.3	438.3	436.5	434.4	433.5	429.0	428.7	435.9	439.5	438.9
40°	477.9	476.7	474.0	471.0	468.3	466.5	462.0	465.3	472.8	475.5	475.5
42.5°	517.5	516.0	513.0	511.5	509.7	507.9	501.9	503.4	512.4	515.1	512.1
45°	566.1	564.0	560.7	557.4	554.7	551.1	548.1	549.6	559.2	562.5	560.1
47.5°	617.6	617.0	614.3	611.6	609.2	606.8	602.9	605.6	614.0	613.4	608.6
50°	672.2	673.4	673.7	676.4	674.6	674.9	667.7	666.2	672.8	668.9	662.9
52.5°	731.0	732.8	739.1	744.4	754.3	755.5	746.5	737.0	735.8	725.6	719.3
55°	799.0	798.7	812.5	827.5	849.4	856.3	836.2	818.2	808.3	788.5	781.9
57.5°	876.1	875.2	896.2	922.5	962.1	979.2	942.3	908.1	884.2	860.5	853.6
60°	959.7	961.8	987.3	1030.2	1098.5	1122.2	1066.5	1009.8	973.2	942.3	939.6
62.5°	1057.5	1057.8	1087.7	1145.9	1234.7	1272.7	1196.0	1119.2	1072.7	1038.9	1031.7
65°	1172.9	1175.0	1207.1	1265.8	1367.8	1414.8	1326.4	1232.9	1178.0	1132.1	1131.2
67.5°	1291.3	1290.1	1319.5	1381.9	1480.2	1523.7	1431.0	1326.7	1255.3	1198.1	1190.6
70°	1367.2	1373.8	1405.5	1465.2	1559.4	1601.6	1488.9	1363.0	1288.3	1235.8	1232.3
72.5°	1303.3	1315.6	1356.7	1455.6	1589.0	1639.1	1475.1	1325.5	1231.4	1178.6	1178.6
75°	1058.1	1078.4	1135.7	1288.0	1486.5	1573.1	1365.7	1160.0	1023.0	966.6	966.6
77.5°	644.6	664.1	741.4	927.3	1200.5	1311.4	1113.2	873.7	715.1	646.1	637.1
80°	214.4	227.0	302.8	471.3	737.0	872.8	745.9	496.2	320.2	244.1	242.9
82.5°	57.0	62.1	86.3	136.7	319.9	472.8	341.2	163.7	93.8	72.9	67.2
85°	19.8	21.3	36.6	45.6	81.3	156.5	95.0	59.4	45.6	27.6	25.8
87.5°	5.7	6.3	14.7	15.9	23.4	18.3	25.8	23.7	21.6	9.0	8.1
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)