

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: P672466

Luminaire Tested: **CCP-SA-1C-840-U-5WQ**

Issue Date: 04/16/2023

Test Information

Test Method: LM-79-08
Report Number: P672466
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1C-840-U-5WQ
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @615mA w/ 5WQ
distribution lens
Light Source: (16) 4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4040.3 lumens
Efficiency: N/A
Efficacy: 126.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

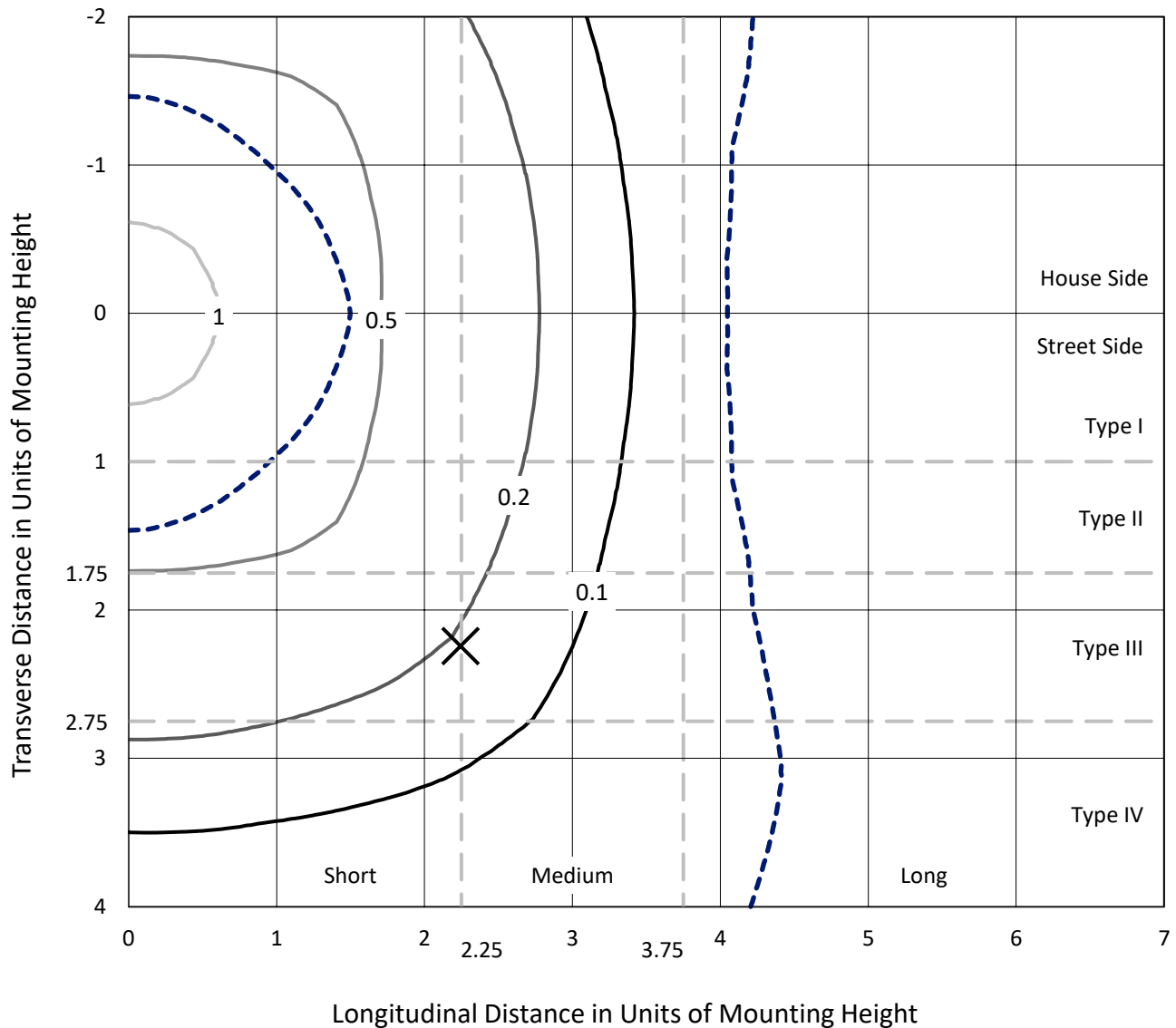
Input Watts (W): 32
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Iso-Footcandle Lines of Horizontal Illumination

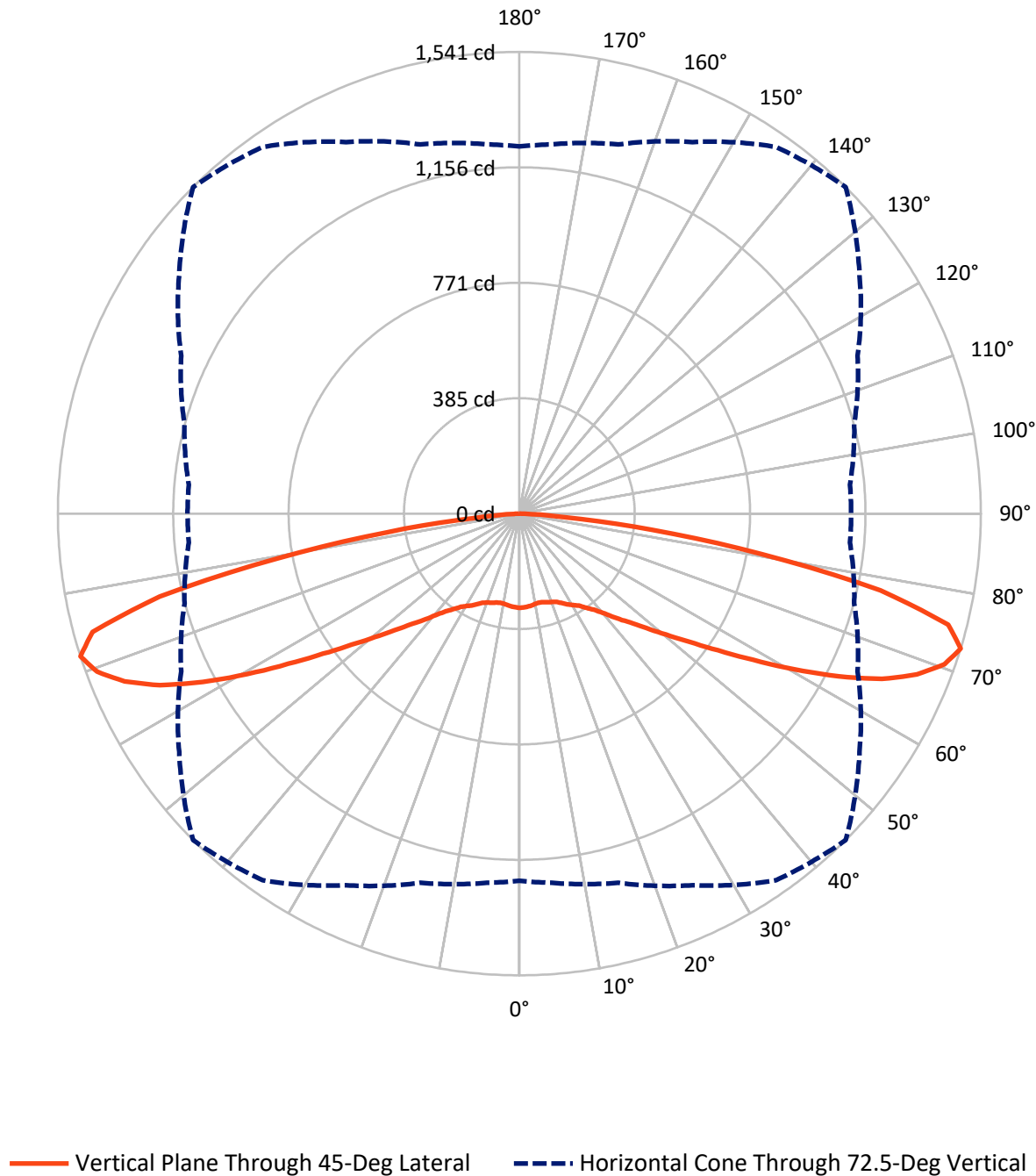
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 1.4 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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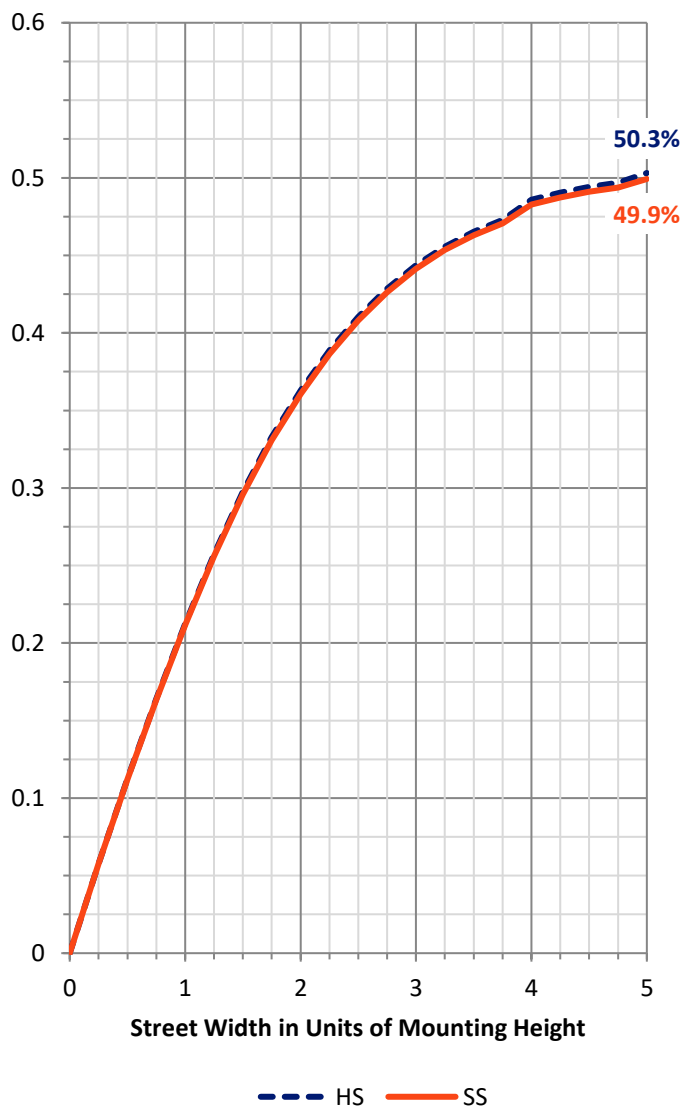
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2020.1	0.0	2020.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2020.1	0.0	2020.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	4040.3	0.0	4040.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	29.5	0.7
10°-20°	87.8	2.2
20°-30°	154.1	3.8
30°-40°	245.9	6.1
40°-50°	411.2	10.2
50°-60°	703.7	17.4
60°-70°	1161.7	28.8
70°-80°	1113.4	27.6
80°-90°	132.8	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°	4040.3	100.0
0°-180°	4040.3	100.0

Coefficient of Utilization



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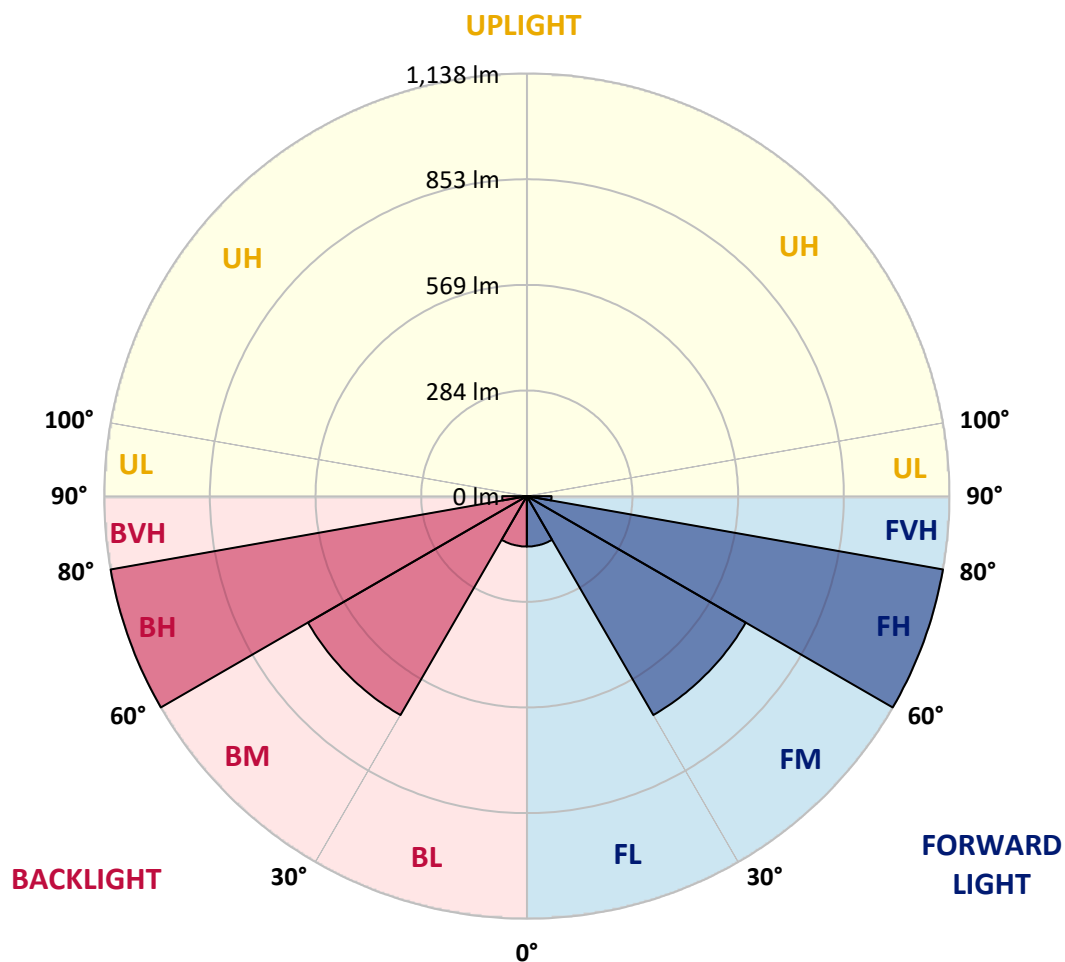
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	135.7	3.4			
FM	(30°-60°)	680.4	16.8			
FH	(60°-80°)	1137.6	28.2			G1/1800
FVH	(80°-90°)	66.4	1.6			G1/100
BL	(0°-30°)	135.7	3.4	B1/500		
BM	(30°-60°)	680.4	16.8	B1/1000		
BH	(60°-80°)	1137.6	28.2	B3/2500		G1/1800
BVH	(80°-90°)	66.4	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°	314.6	314.6	314.6	314.6	314.6	314.6	314.6	314.6	314.6	314.6	314.6
2.5°	312.6	312.6	313.5	313.8	313.5	313.2	312.9	312.6	313.5	313.2	313.5
5°	311.8	311.8	312.1	312.4	311.8	311.5	311.0	310.7	311.2	311.2	311.8
7.5°	309.5	309.3	309.5	309.8	309.0	308.7	307.9	307.9	307.9	307.6	308.1
10°	307.6	307.0	307.0	306.4	305.0	305.3	304.2	305.0	306.4	306.7	307.0
12.5°	308.4	307.9	307.3	305.9	303.9	304.2	303.9	304.8	306.7	307.9	308.7
15°	312.4	311.8	310.4	307.9	306.7	306.7	306.2	306.4	309.3	311.0	311.8
17.5°	316.6	315.5	312.9	311.2	310.1	311.0	309.0	308.7	311.0	313.5	314.3
20°	320.0	319.1	316.0	314.1	314.1	314.9	312.9	311.8	314.3	317.4	318.3
22.5°	325.9	325.3	322.2	320.3	320.3	320.5	319.4	318.6	321.4	324.5	325.3
25°	334.4	334.4	331.3	330.4	330.1	330.7	329.3	328.4	331.0	333.2	334.1
27.5°	344.2	343.4	340.8	340.3	341.4	343.4	340.8	338.6	340.6	342.5	342.8
30°	354.7	354.7	352.4	352.4	353.2	354.1	351.8	349.6	351.6	353.8	354.1
32.5°	369.3	368.5	367.6	367.9	367.6	366.5	365.4	365.1	366.8	368.2	368.7
35°	387.4	387.1	385.9	386.5	386.5	386.5	383.1	382.0	384.8	385.9	385.4
37.5°	415.3	415.0	412.2	410.5	408.5	407.7	403.4	403.1	409.9	413.3	412.7
40°	449.4	448.3	445.7	442.9	440.4	438.7	434.4	437.5	444.6	447.1	447.1
42.5°	486.6	485.2	482.4	481.0	479.3	477.6	471.9	473.3	481.8	484.3	481.5
45°	532.3	530.3	527.2	524.1	521.5	518.2	515.3	516.8	525.8	528.9	526.6
47.5°	580.8	580.2	577.7	575.1	572.9	570.6	566.9	569.5	577.4	576.8	572.3
50°	632.1	633.2	633.5	636.0	634.3	634.6	627.8	626.4	632.6	629.0	623.3
52.5°	687.3	689.0	694.9	700.0	709.3	710.4	702.0	693.0	691.8	682.2	676.3
55°	751.3	751.0	764.0	778.1	798.7	805.2	786.3	769.4	760.1	741.4	735.2
57.5°	823.8	822.9	842.7	867.5	904.7	920.7	886.1	853.9	831.4	809.1	802.6
60°	902.4	904.4	928.4	968.7	1033.0	1055.2	1002.8	949.5	915.1	886.1	883.5
62.5°	994.3	994.6	1022.8	1077.5	1160.9	1196.7	1124.6	1052.4	1008.7	976.8	970.1
65°	1102.9	1104.8	1135.0	1190.3	1286.1	1330.4	1247.2	1159.3	1107.7	1064.5	1063.7
67.5°	1214.2	1213.1	1240.7	1299.4	1391.8	1432.7	1345.6	1247.5	1180.4	1126.5	1119.5
70°	1285.5	1291.8	1321.6	1377.7	1466.3	1506.0	1400.0	1281.6	1211.4	1162.1	1158.7
72.5°	1225.5	1237.1	1275.7	1368.7	1494.2	1541.3	1387.0	1246.4	1157.8	1108.2	1108.2
75°	994.9	1014.1	1067.9	1211.1	1397.8	1479.2	1284.1	1090.7	961.9	908.9	908.9
77.5°	606.1	624.5	697.2	872.0	1128.8	1233.1	1046.8	821.5	672.4	607.5	599.1
80°	201.6	213.4	284.7	443.2	693.0	820.7	701.4	466.6	301.1	229.5	228.4
82.5°	53.6	58.4	81.2	128.6	300.8	444.6	320.8	153.9	88.2	68.5	63.1
85°	18.6	20.0	34.4	42.9	76.4	147.2	89.4	55.8	42.9	25.9	24.2
87.5°	5.4	5.9	13.8	14.9	22.0	17.2	24.2	22.3	20.3	8.5	7.6
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)