

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: P672436

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

Issue Date: 04/16/2023

Test Information

Test Method: LM-79-08
Report Number: P672436
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1F-827-U-5WQ
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @1200mA w/ 5WQ
distribution lens
Light Source: (16) 2700K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5776.7 lumens
Efficiency: N/A
Efficacy: 86.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

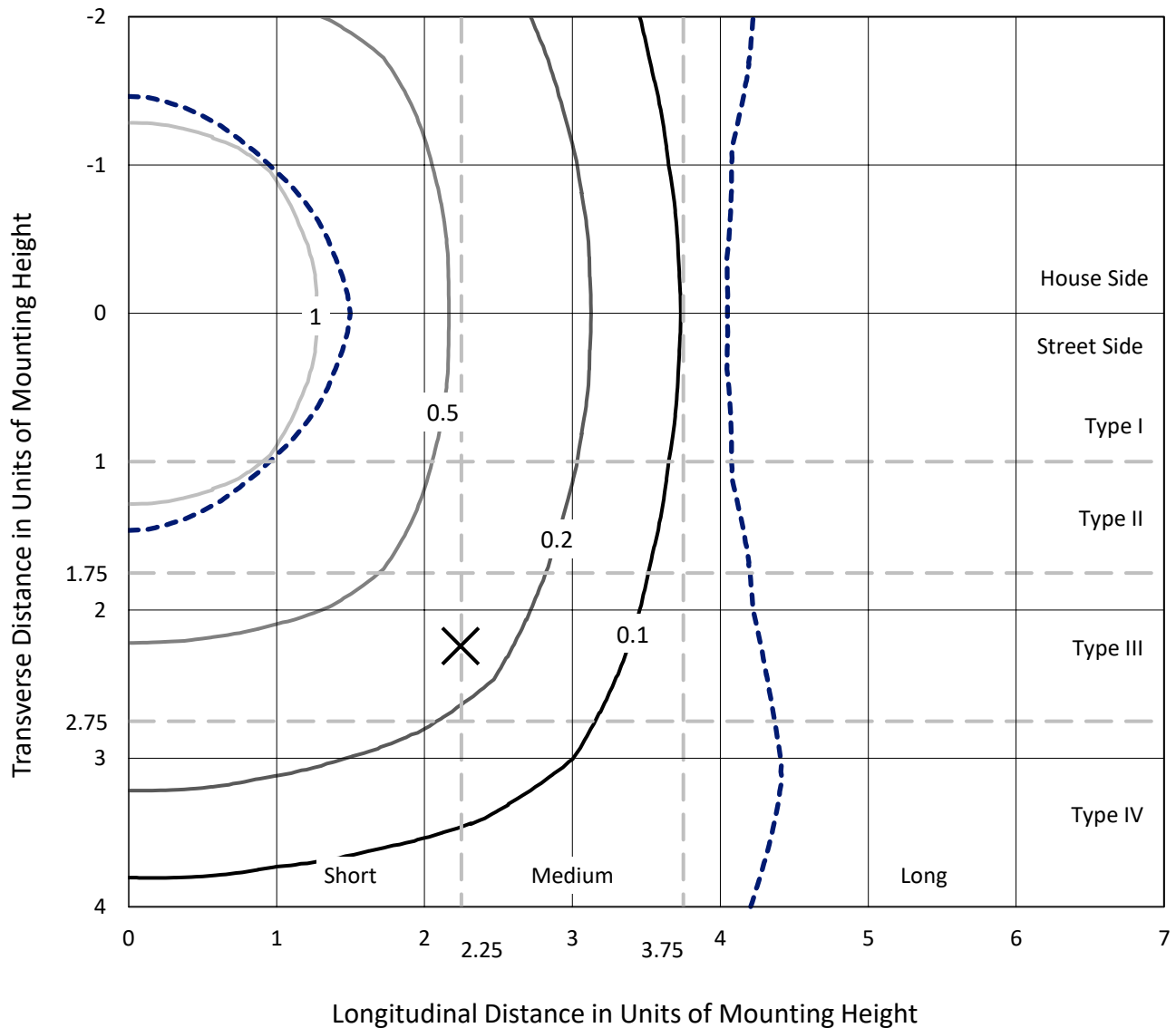
Input Watts (W): 67
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Iso-Footcandle Lines of Horizontal Illumination

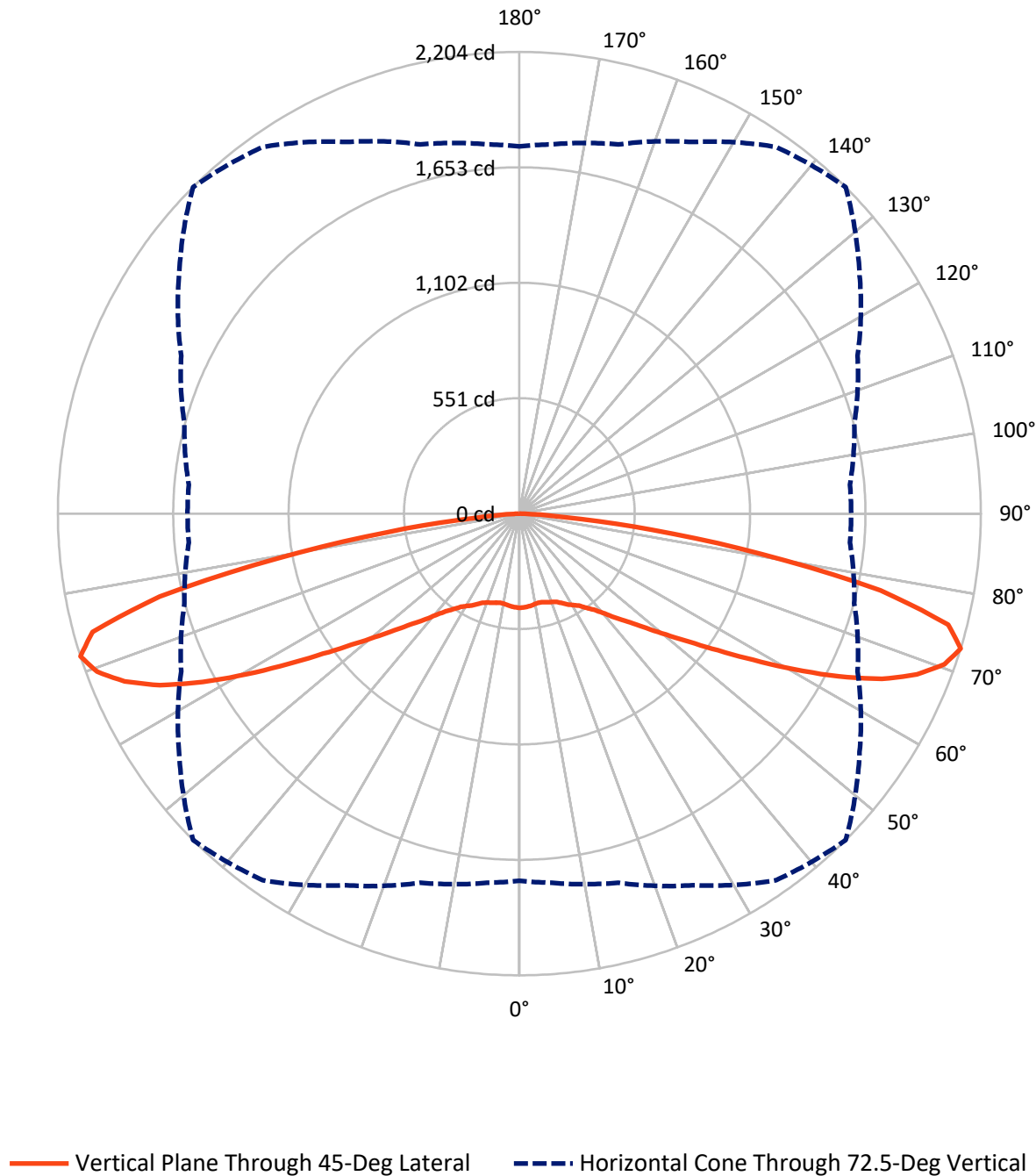
× Max cd
- - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 2 fc
Type V - Short - N/A

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Luminous Intensity Polar Plot



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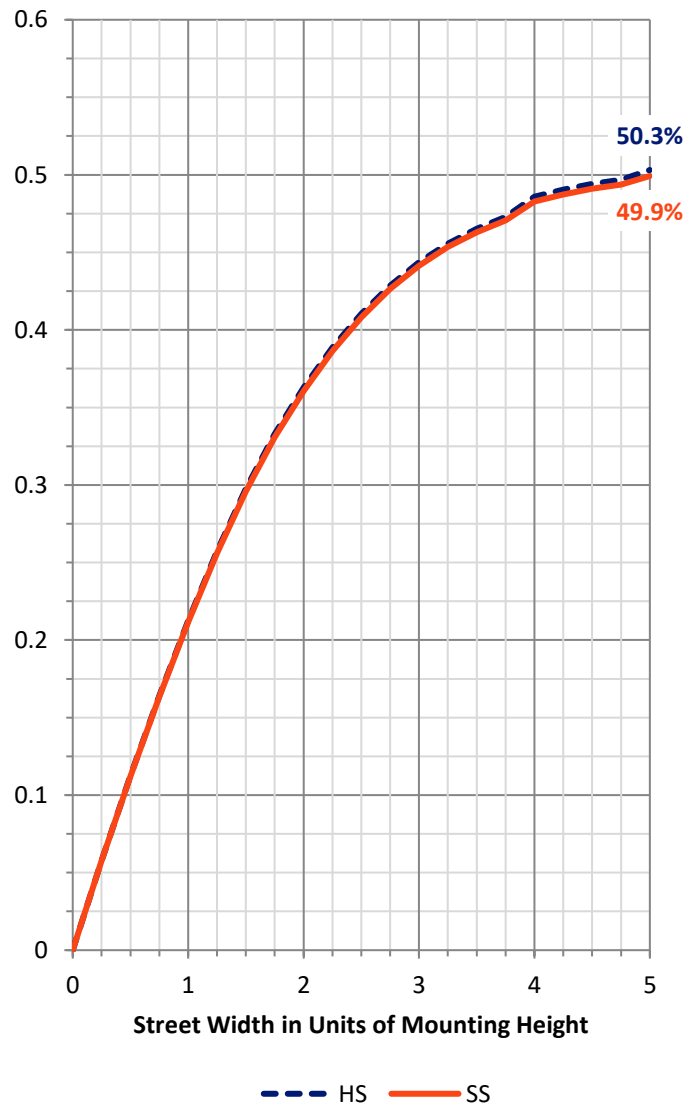
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2888.3	0.0	2888.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2888.3	0.0	2888.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	5776.7	0.0	5776.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	42.2	0.7
10°-20°	125.5	2.2
20°-30°	220.4	3.8
30°-40°	351.6	6.1
40°-50°	588.0	10.2
50°-60°	1006.1	17.4
60°-70°	1661.0	28.8
70°-80°	1592.0	27.6
80°-90°	189.9	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°	5776.7	100.0
0°-180°	5776.7	100.0



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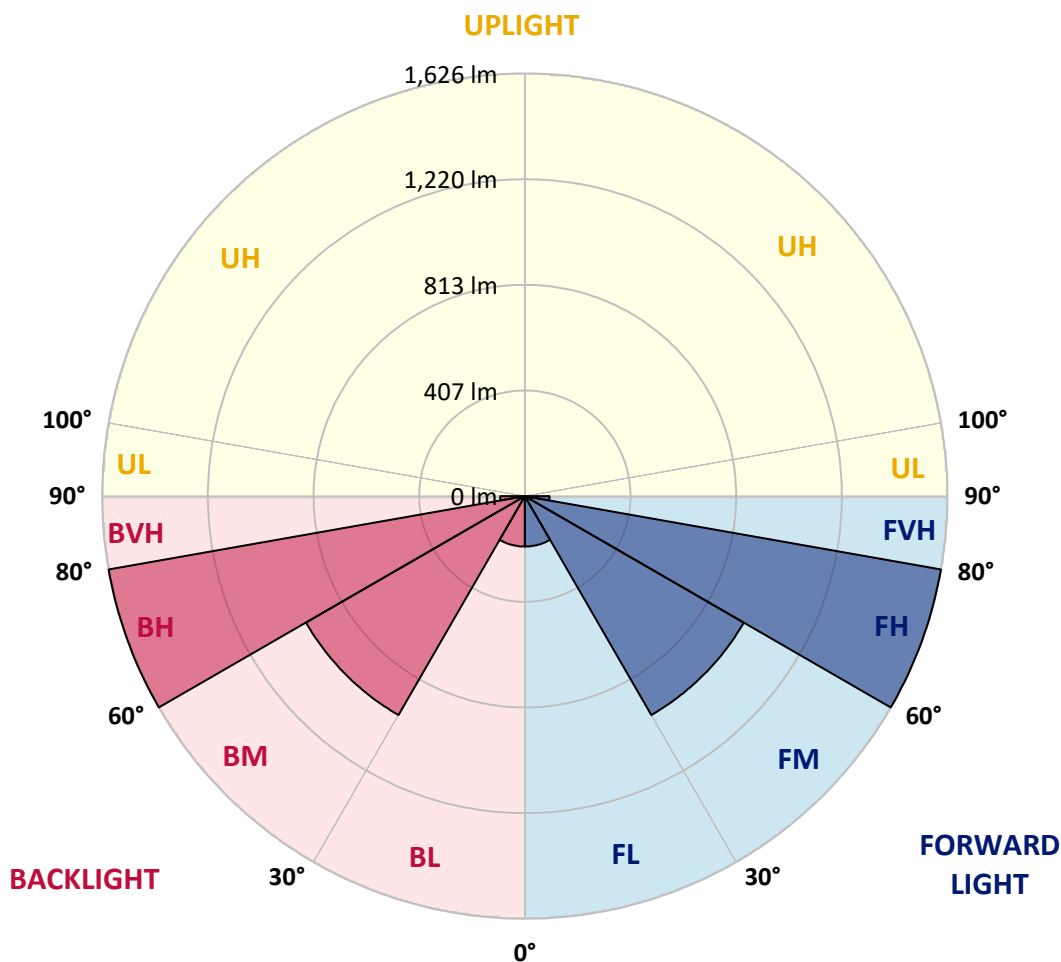
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	194.1	3.4			
FM	(30°-60°)	972.9	16.8			
FH	(60°-80°)	1626.5	28.2			G1/1800
FVH	(80°-90°)	94.9	1.6			G1/100
BL	(0°-30°)	194.1	3.4	B1/500		
BM	(30°-60°)	972.9	16.8	B1/1000		
BH	(60°-80°)	1626.5	28.2	B3/2500		G1/1800
BVH	(80°-90°)	94.9	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°	449.8	449.8	449.8	449.8	449.8	449.8	449.8	449.8	449.8	449.8	449.8
2.5°	447.0	447.0	448.2	448.6	448.2	447.8	447.4	447.0	448.2	447.8	448.2
5°	445.8	445.8	446.2	446.6	445.8	445.4	444.6	444.2	445.0	445.0	445.8
7.5°	442.6	442.2	442.6	443.0	441.8	441.4	440.2	440.2	440.2	439.8	440.6
10°	439.8	439.0	439.0	438.1	436.1	436.5	434.9	436.1	438.1	438.6	439.0
12.5°	441.0	440.2	439.4	437.3	434.5	434.9	434.5	435.7	438.6	440.2	441.4
15°	446.6	445.8	443.8	440.2	438.6	438.6	437.7	438.1	442.2	444.6	445.8
17.5°	452.7	451.0	447.4	445.0	443.4	444.6	441.8	441.4	444.6	448.2	449.4
20°	457.5	456.3	451.9	449.0	449.0	450.2	447.4	445.8	449.4	453.9	455.1
22.5°	466.0	465.2	460.7	457.9	457.9	458.3	456.7	455.5	459.5	463.9	465.2
25°	478.1	478.1	473.6	472.4	472.0	472.8	470.8	469.6	473.2	476.4	477.7
27.5°	492.2	491.0	487.3	486.5	488.1	491.0	487.3	484.1	486.9	489.7	490.1
30°	507.1	507.1	503.9	503.9	505.1	506.3	503.0	499.8	502.6	505.9	506.3
32.5°	528.0	526.8	525.6	526.0	525.6	524.0	522.4	522.0	524.4	526.4	527.2
35°	553.8	553.4	551.8	552.6	552.6	552.6	547.8	546.2	550.2	551.8	551.0
37.5°	593.7	593.3	589.3	586.9	584.1	582.9	576.8	576.4	586.1	590.9	590.1
40°	642.5	640.9	637.3	633.2	629.6	627.2	621.1	625.6	635.7	639.3	639.3
42.5°	695.7	693.7	689.7	687.7	685.2	682.8	674.8	676.8	688.9	692.5	688.5
45°	761.0	758.2	753.8	749.3	745.7	740.9	736.8	738.8	751.7	756.2	753.0
47.5°	830.3	829.5	825.9	822.3	819.1	815.8	810.6	814.2	825.5	824.7	818.3
50°	903.7	905.3	905.7	909.4	906.9	907.3	897.7	895.6	904.5	899.3	891.2
52.5°	982.7	985.1	993.6	1000.8	1014.2	1015.8	1003.7	990.8	989.2	975.5	967.0
55°	1074.2	1073.8	1092.3	1112.5	1141.9	1151.2	1124.2	1100.0	1086.7	1060.1	1051.2
57.5°	1177.8	1176.6	1204.8	1240.3	1293.5	1316.5	1266.9	1220.9	1188.7	1156.8	1147.6
60°	1290.3	1293.1	1327.3	1385.0	1476.9	1508.7	1433.8	1357.6	1308.4	1266.9	1263.3
62.5°	1421.7	1422.1	1462.4	1540.6	1659.9	1711.1	1607.9	1504.7	1442.2	1396.7	1387.0
65°	1576.9	1579.7	1622.8	1701.8	1838.9	1902.1	1783.2	1657.5	1583.7	1522.0	1520.8
67.5°	1736.1	1734.5	1774.0	1857.8	1990.0	2048.5	1923.9	1783.6	1687.7	1610.7	1600.6
70°	1838.0	1846.9	1889.6	1969.9	2096.4	2153.3	2001.7	1832.4	1732.0	1661.5	1656.7
72.5°	1752.2	1768.7	1823.9	1957.0	2136.3	2203.6	1983.2	1782.0	1655.5	1584.5	1584.5
75°	1422.5	1449.9	1526.9	1731.6	1998.5	2115.0	1836.0	1559.5	1375.3	1299.5	1299.5
77.5°	866.6	892.8	996.8	1246.7	1613.9	1763.1	1496.6	1174.6	961.3	868.6	856.5
80°	288.2	305.1	407.1	633.6	990.8	1173.4	1002.9	667.1	430.5	328.1	326.5
82.5°	76.6	83.4	116.1	183.8	430.1	635.7	458.7	220.1	126.2	97.9	90.3
85°	26.6	28.6	49.2	61.3	109.2	210.4	127.8	79.8	61.3	37.1	34.7
87.5°	7.7	8.5	19.8	21.4	31.4	24.6	34.7	31.8	29.0	12.1	10.9
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)