

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: P672582

Luminaire Tested: **CCP-SA-2B-827-U-5MQ**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P672582
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2B-827-U-5MQ
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @450mA w/ 5MQ distribution lens
Light Source: (32) 2700K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

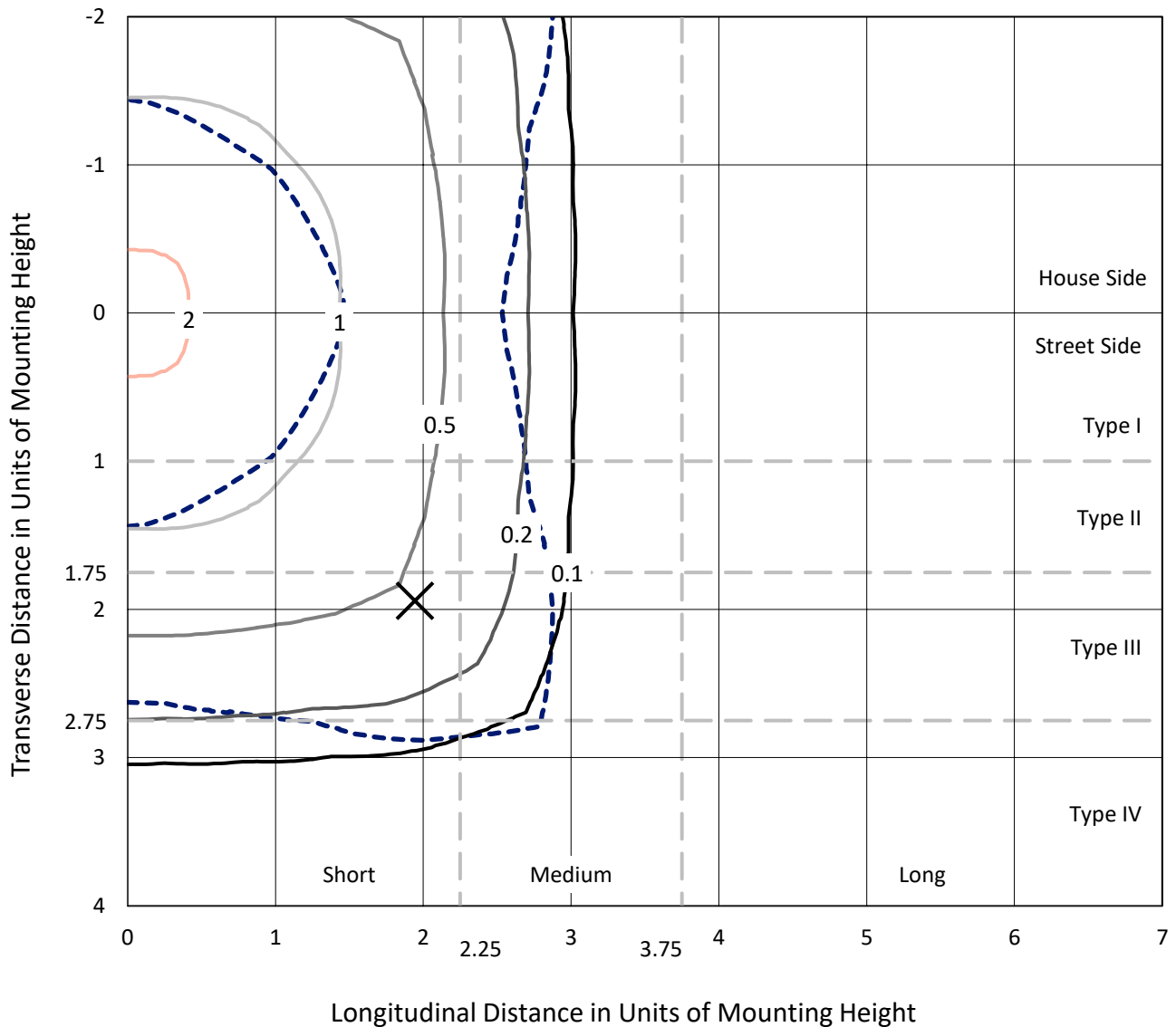
Lumens per Lamp: N/A
Luminaire Lumens: 5240.5 lumens
Efficiency: N/A
Efficacy: 113.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

Input Watts (W): 46
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

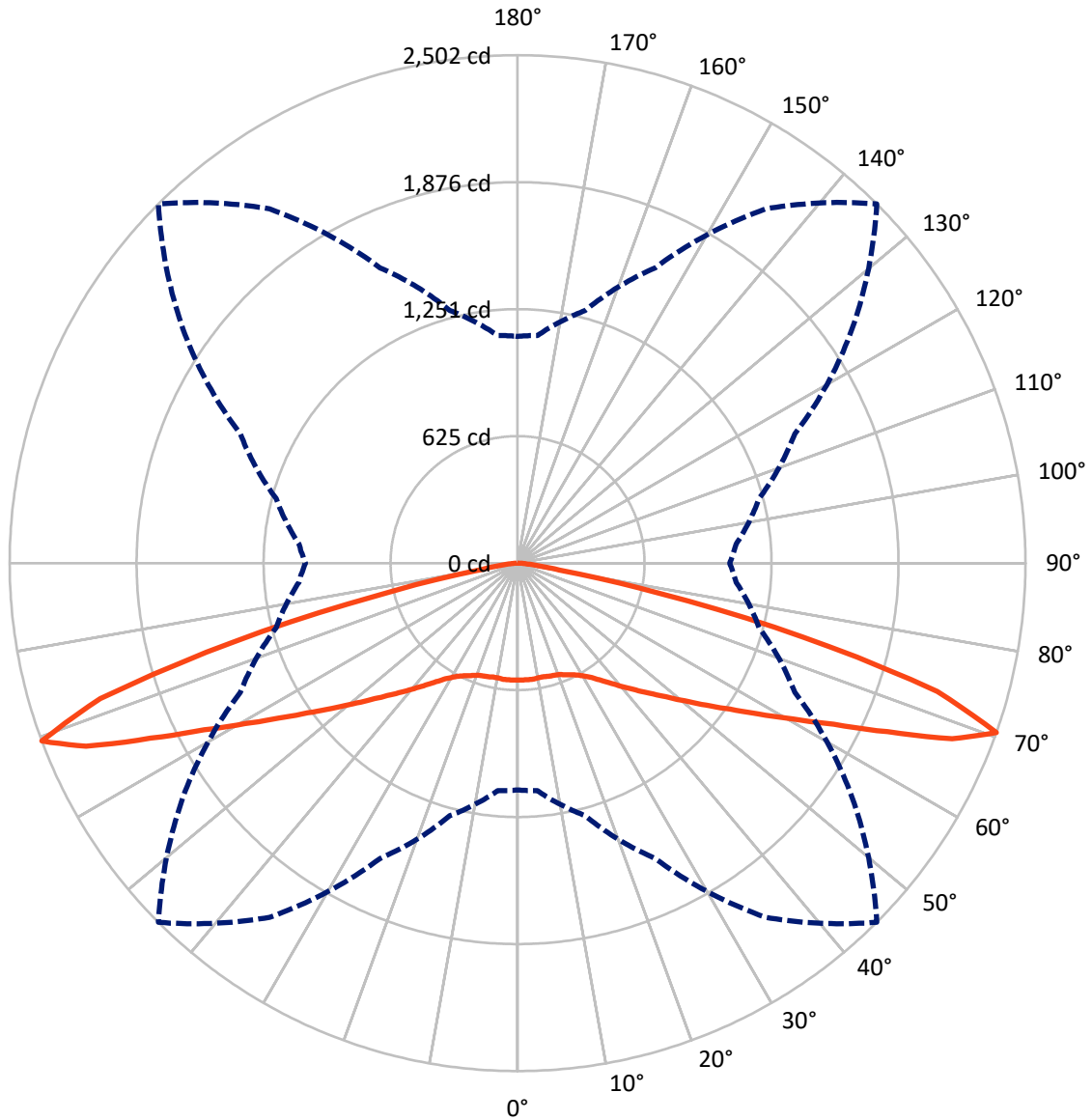
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 2.6 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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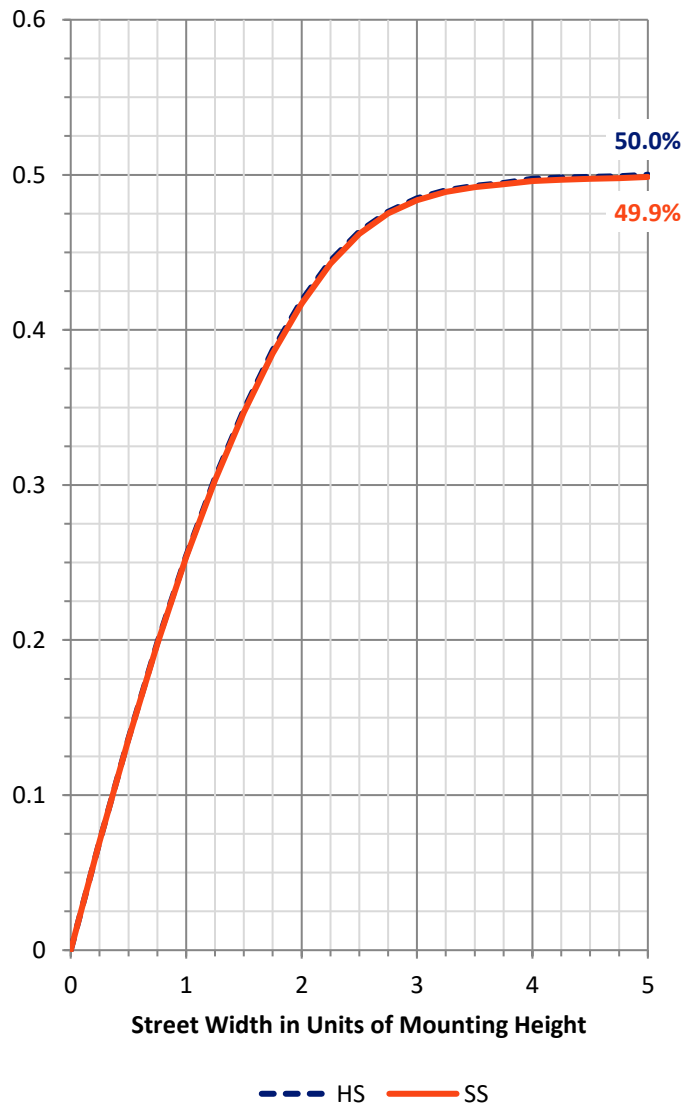
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2620.2	0.0	2620.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2620.2	0.0	2620.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	5240.5	0.0	5240.5
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	54.8	1.0
10°-20°	162.2	3.1
20°-30°	277.1	5.3
30°-40°	442.1	8.4
40°-50°	713.5	13.6
50°-60°	1142.4	21.8
60°-70°	1672.5	31.9
70°-80°	735.5	14.0
80°-90°	40.3	0.8
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°	5240.5	100.0
0°-180°	5240.5	100.0



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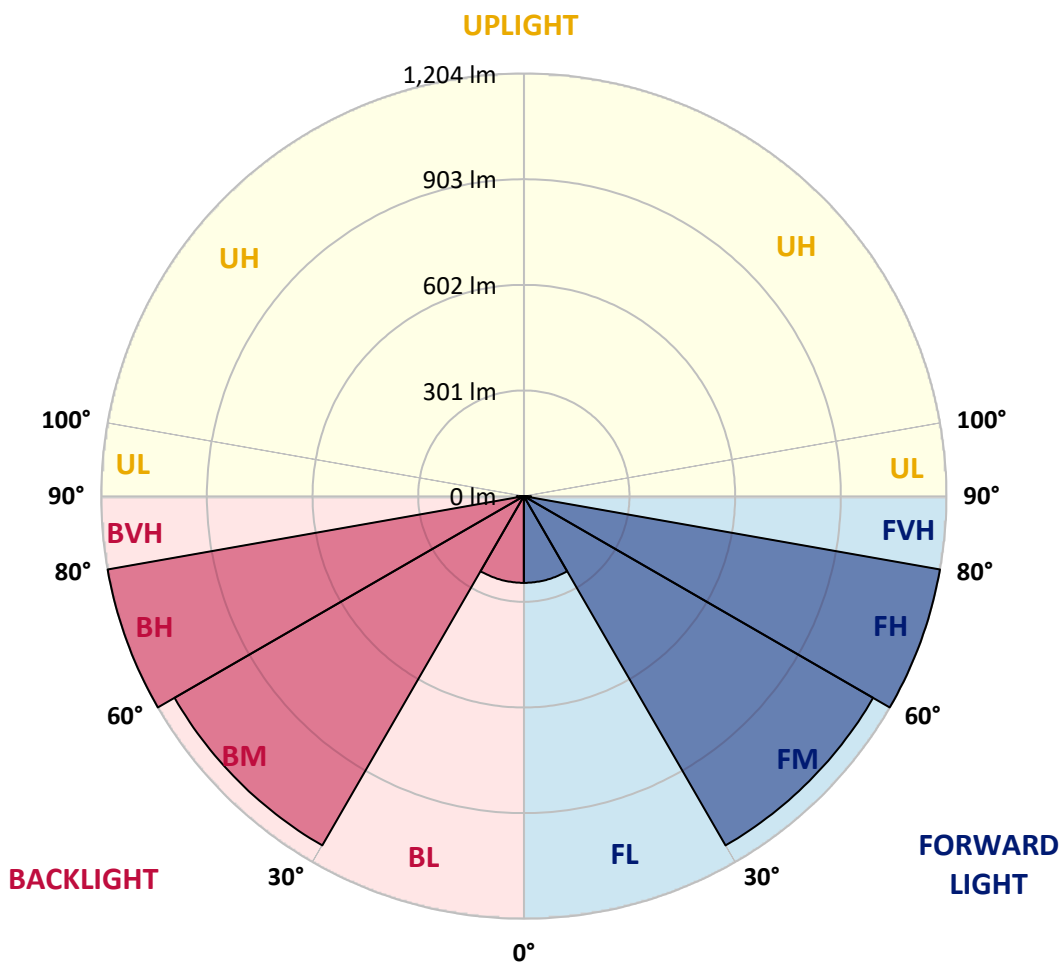
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	247.1	4.7			
FM	(30°-60°)	1149.0	21.9			
FH	(60°-80°)	1204.0	23.0			G1/1800
FVH	(80°-90°)	20.2	0.4			G1/100
BL	(0°-30°)	247.1	4.7	B1/500		
BM	(30°-60°)	1149.0	21.9	B2/2500		
BH	(60°-80°)	1204.0	23.0	B3/2500		G1/1800
BVH	(80°-90°)	20.2	0.4			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°	576.3	576.3	576.3	576.3	576.3	576.3	576.3	576.3	576.3	576.3	576.3
2.5°	575.5	575.2	575.9	576.3	575.5	575.9	573.7	573.7	574.8	573.7	575.2
5°	578.1	577.4	578.1	578.1	576.3	576.3	573.7	572.9	573.7	571.8	573.3
7.5°	578.5	577.0	578.1	577.8	576.3	576.3	572.6	571.1	571.5	569.6	570.7
10°	574.8	574.0	575.5	574.8	573.7	573.7	570.7	568.5	568.5	566.6	567.7
12.5°	572.6	571.8	573.7	574.0	573.3	573.7	570.0	567.0	565.9	563.7	564.4
15°	572.6	571.1	574.0	574.8	575.5	578.1	572.6	567.4	565.1	562.2	562.9
17.5°	572.2	571.5	574.8	577.4	578.1	581.1	574.8	569.2	566.6	562.2	562.9
20°	572.2	571.8	575.9	580.7	583.0	585.6	578.9	573.7	569.2	564.4	564.4
22.5°	574.0	573.7	579.2	586.3	592.6	597.1	589.3	580.7	574.8	568.5	567.7
25°	581.8	581.1	587.8	596.3	604.9	609.3	601.5	593.0	584.4	577.4	576.6
27.5°	597.8	597.4	604.1	614.5	620.5	623.8	617.1	609.7	601.2	593.0	592.6
30°	619.3	619.3	627.9	638.7	642.0	644.6	637.9	632.7	623.8	614.9	614.2
32.5°	645.3	646.8	656.9	668.7	671.0	672.4	665.4	662.1	652.4	642.7	641.3
35°	679.5	679.9	692.1	704.0	707.0	708.5	700.3	697.3	688.4	678.0	675.8
37.5°	722.9	721.8	733.3	746.7	749.7	751.5	744.9	742.6	731.5	721.1	717.7
40°	771.6	772.3	785.3	798.0	799.8	800.5	797.2	793.9	783.5	771.6	767.5
42.5°	828.0	828.0	843.3	858.1	858.1	854.4	852.9	852.2	842.1	828.8	824.3
45°	892.6	893.4	912.3	923.5	924.2	914.2	915.7	920.1	910.5	893.4	887.4
47.5°	963.6	964.7	986.9	999.2	997.0	984.0	992.1	994.4	983.2	961.3	953.5
50°	1038.2	1041.5	1066.4	1087.9	1085.0	1066.0	1076.8	1077.5	1059.4	1034.1	1023.3
52.5°	1118.8	1126.6	1159.6	1182.6	1185.6	1161.8	1171.1	1170.4	1147.0	1112.5	1105.4
55°	1218.6	1223.1	1255.8	1288.5	1299.6	1270.3	1280.7	1275.5	1243.9	1204.5	1192.7
57.5°	1318.5	1325.2	1367.2	1403.9	1426.2	1401.3	1403.6	1390.2	1350.5	1302.9	1297.0
60°	1437.0	1440.0	1486.4	1534.3	1572.9	1558.0	1547.6	1519.8	1473.0	1425.5	1416.9
62.5°	1533.9	1539.8	1608.9	1679.4	1744.8	1747.4	1715.8	1674.2	1599.6	1520.2	1503.1
65°	1560.6	1570.3	1667.2	1806.4	1942.3	2002.9	1916.3	1789.4	1622.6	1502.7	1477.1
67.5°	1436.2	1454.8	1593.3	1824.6	2126.1	2307.7	2076.0	1734.8	1502.0	1362.0	1337.5
70°	1116.9	1125.1	1287.7	1605.2	2129.1	2501.5	2011.8	1506.4	1231.3	1080.9	1044.9
72.5°	593.4	597.4	744.1	1080.9	1732.5	2161.0	1662.4	1054.2	724.8	588.2	546.9
75°	191.6	196.8	256.2	442.6	955.8	1452.2	980.3	438.5	249.9	201.6	190.9
77.5°	97.7	97.3	108.1	142.6	321.6	711.8	340.1	153.7	108.1	96.9	93.9
80°	60.9	59.8	68.0	78.0	112.5	207.9	122.2	86.1	68.3	58.7	58.3
82.5°	34.5	34.5	45.7	50.1	63.5	85.8	71.3	59.0	46.8	34.9	33.8
85°	19.3	17.1	28.6	31.6	36.4	42.3	43.4	38.2	31.6	19.3	20.1
87.5°	7.1	7.8	13.4	12.6	14.5	10.0	17.8	20.1	17.8	9.3	7.8
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)