

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: P672753

Luminaire Tested: **CCP-SA-1B-840-U-5NQ**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P672753
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1B-840-U-5NQ
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @450mA w/ 5NQ
distribution lens
Light Source: (16) 4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

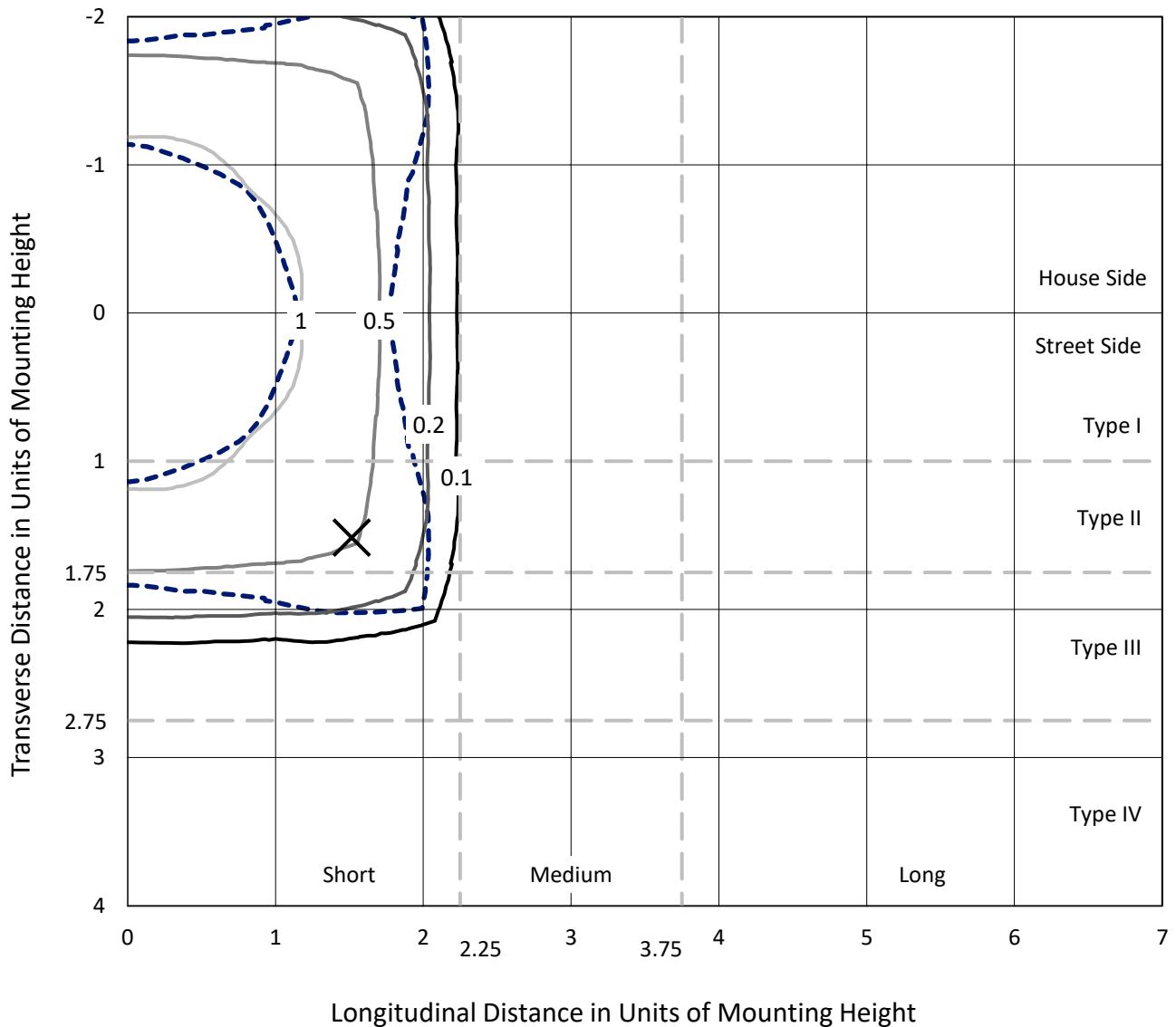
Lumens per Lamp: N/A
Luminaire Lumens: 3064.1 lumens
Efficiency: N/A
Efficacy: 127.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B1 - U0 - G0

Input Watts (W): 24
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

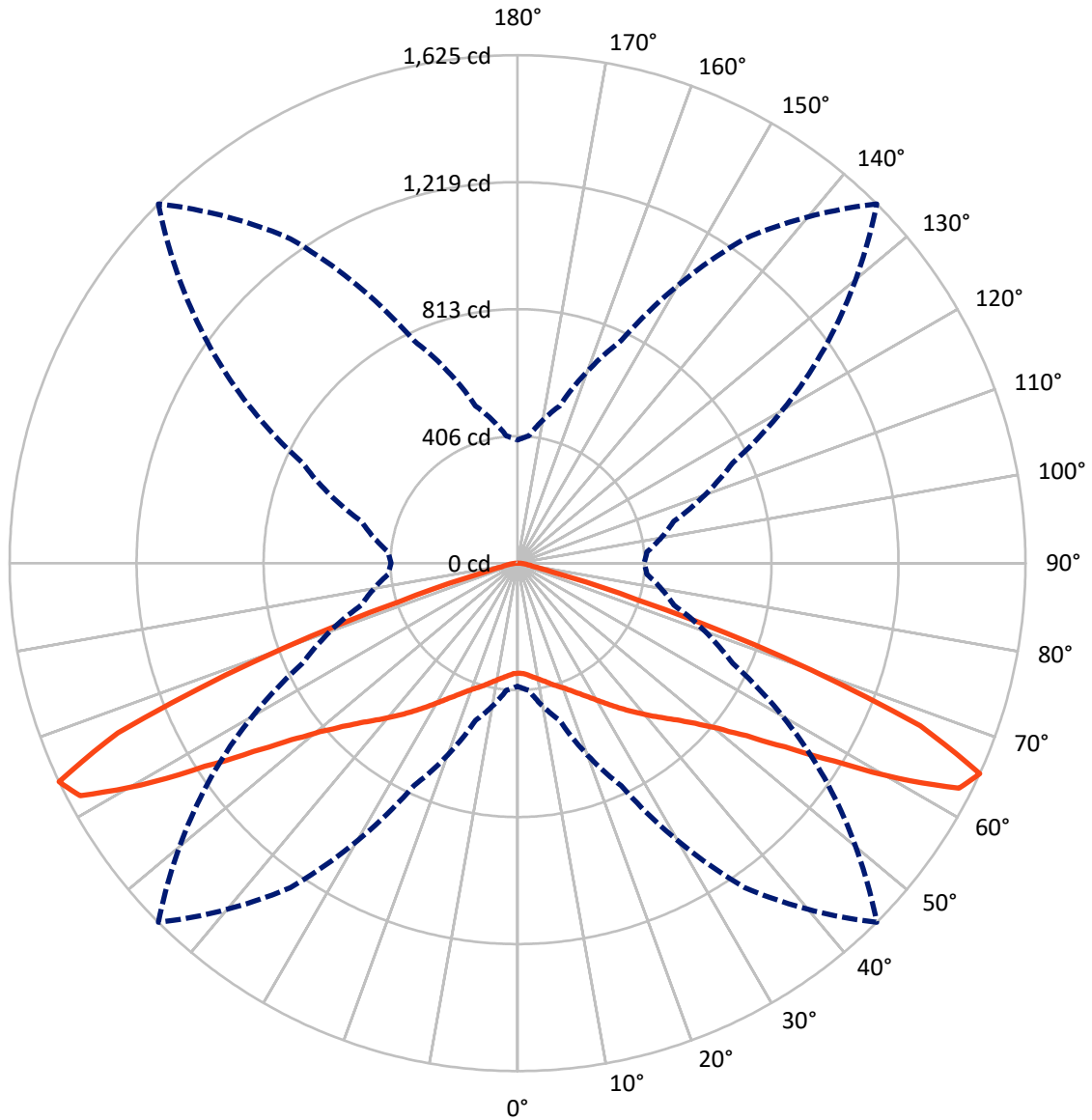
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 1.6 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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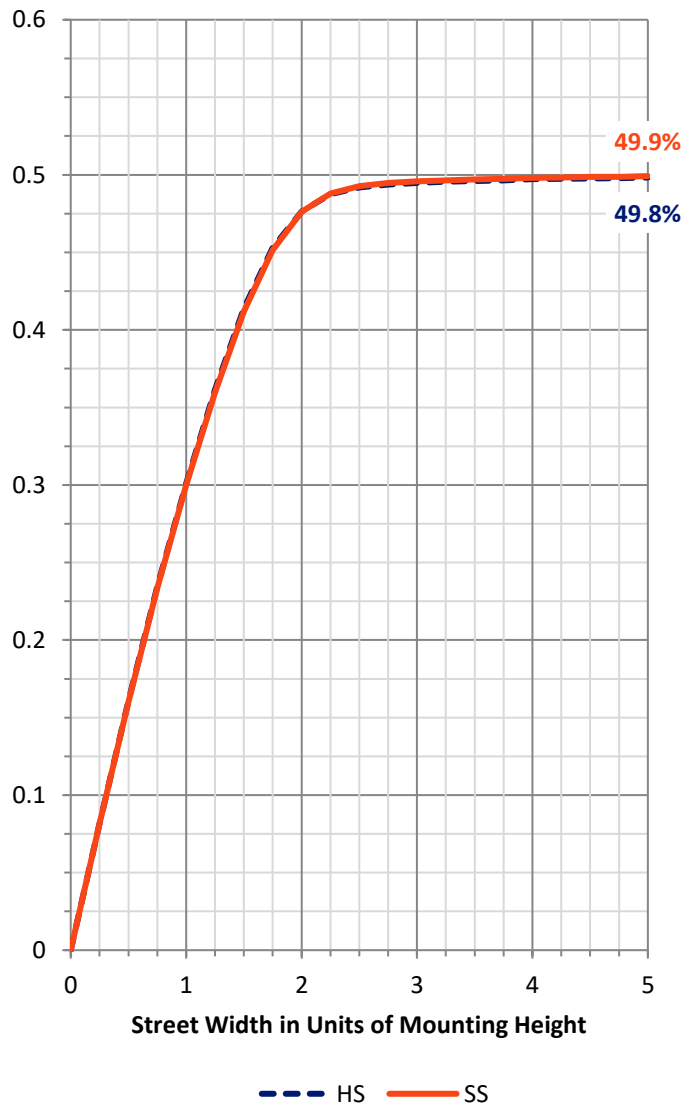
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1532.1	0.0	1532.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1532.1	0.0	1532.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	3064.1	0.0	3064.1
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	34.9	1.1
10°-20°	113.9	3.7
20°-30°	216.0	7.1
30°-40°	362.3	11.8
40°-50°	573.4	18.7
50°-60°	900.7	29.4
60°-70°	761.1	24.8
70°-80°	88.6	2.9
80°-90°	13.2	0.4
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°	3064.1	100.0
0°-180°	3064.1	100.0



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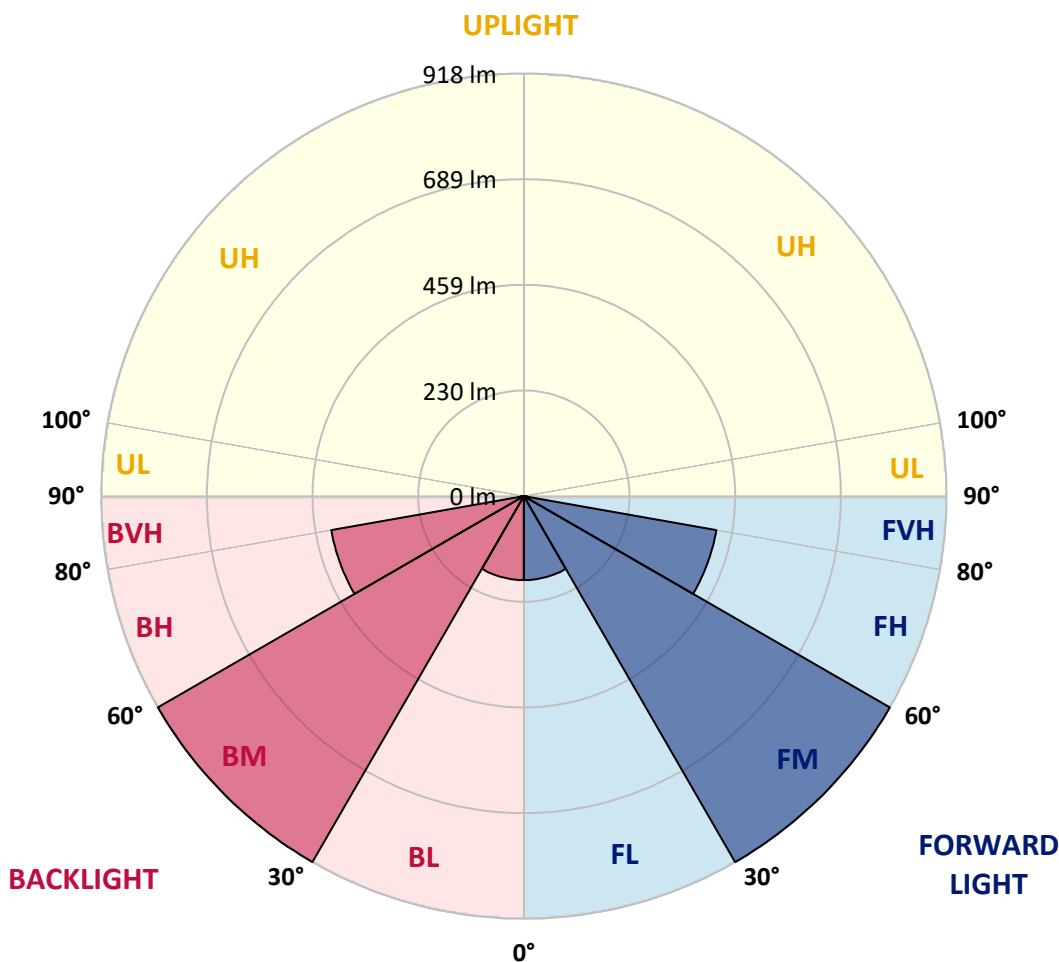
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	182.4	6.0			
FM (30°-60°)	918.2	30.0			
FH (60°-80°)	424.8	13.9			G0/660
FVH (80°-90°)	6.6	0.2			G0/10
BL (0°-30°)	182.4	6.0	B1/500		
BM (30°-60°)	918.2	30.0	B1/1000		
BH (60°-80°)	424.8	13.9	B1/500		G0/660
BVH (80°-90°)	6.6	0.2			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G0

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	352.3	352.3	352.3	352.3	352.3	352.3	352.3	352.3	352.3	352.3	352.3
2.5°	354.3	353.2	354.3	354.3	353.6	353.8	353.0	352.8	353.8	353.0	352.8
5°	361.6	360.7	361.6	360.9	359.9	360.1	358.8	358.4	359.6	358.4	358.6
7.5°	370.0	368.5	368.9	369.6	368.5	368.5	367.4	366.8	367.4	366.1	367.0
10°	377.1	375.8	376.4	377.3	377.1	377.7	376.7	376.2	375.6	374.1	375.4
12.5°	386.3	385.9	386.8	387.9	387.4	388.3	385.9	385.3	385.1	383.3	384.8
15°	398.4	397.3	398.8	400.1	399.5	401.0	399.1	398.2	397.1	395.0	396.3
17.5°	410.5	409.6	411.8	412.4	412.6	413.9	412.4	411.1	410.7	409.2	408.3
20°	424.9	423.8	425.5	426.8	425.8	427.3	426.6	425.8	425.3	423.0	422.7
22.5°	441.1	439.5	442.1	443.6	442.1	443.6	442.3	442.1	442.3	438.9	439.3
25°	459.1	459.4	461.9	463.0	462.2	463.0	461.1	462.4	461.7	458.1	456.8
27.5°	482.4	481.5	484.3	487.6	485.4	485.4	484.6	485.8	485.6	482.2	481.3
30°	509.5	509.3	513.4	515.3	512.3	511.0	510.8	514.1	514.3	510.6	509.1
32.5°	538.0	538.0	542.9	545.3	541.0	540.1	539.3	543.6	542.9	538.0	534.7
35°	569.2	567.9	574.6	578.0	573.7	571.1	570.7	574.6	573.7	566.8	562.9
37.5°	600.0	600.8	608.6	612.5	607.3	604.1	605.2	607.7	608.0	600.4	596.3
40°	637.7	637.9	647.6	650.6	643.9	639.0	640.5	646.3	645.9	636.6	631.4
42.5°	679.9	679.0	691.1	693.7	684.6	675.1	679.7	688.7	690.9	680.5	675.1
45°	725.1	726.4	738.9	741.7	727.5	715.4	725.1	738.7	741.5	730.3	723.6
47.5°	780.0	781.5	796.6	797.7	781.5	765.8	778.7	796.4	797.5	782.0	774.2
50°	842.7	847.9	864.7	866.8	850.9	830.6	849.2	864.9	860.8	840.1	833.0
52.5°	913.8	917.9	944.1	953.2	939.2	917.4	932.3	942.0	928.8	901.7	890.7
55°	974.3	981.2	1016.1	1043.6	1054.2	1037.8	1036.1	1021.9	985.3	943.9	932.5
57.5°	991.3	998.0	1052.0	1123.1	1185.8	1193.9	1156.0	1084.8	1005.9	942.2	930.6
60°	922.2	931.2	1010.2	1144.8	1324.7	1398.7	1261.8	1090.1	952.3	866.8	852.2
62.5°	724.2	741.0	843.1	1054.2	1380.7	1585.2	1305.3	997.3	790.6	689.6	670.2
65°	393.9	408.3	520.9	785.6	1267.2	1625.1	1198.7	759.3	517.1	415.6	405.1
67.5°	147.7	158.3	210.0	388.3	895.9	1389.3	909.9	434.8	234.7	168.4	153.5
70°	62.9	64.2	76.0	135.2	407.2	903.9	465.8	147.7	78.4	63.3	61.6
72.5°	45.2	45.4	48.7	59.9	124.0	396.5	140.8	62.0	47.8	43.1	43.1
75°	36.2	36.4	38.3	43.3	58.6	116.7	60.7	43.5	37.0	33.8	33.4
77.5°	28.4	28.9	30.8	33.8	39.2	53.4	41.1	34.2	29.7	26.7	26.3
80°	21.1	21.8	24.3	25.8	27.6	35.5	29.9	26.7	23.7	20.5	19.8
82.5°	14.0	14.6	18.1	19.2	19.0	22.4	20.7	20.5	18.1	13.6	12.9
85°	8.4	8.8	11.6	12.5	11.6	11.0	13.1	14.2	12.7	8.8	8.2
87.5°	3.7	3.7	5.2	5.4	5.2	4.1	6.2	7.3	7.5	4.5	4.1
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)