

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: P672467

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

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P672467
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1D-840-U-5WQ
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @800mA w/ 5WQ distribution lens
Light Source: (16) 4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

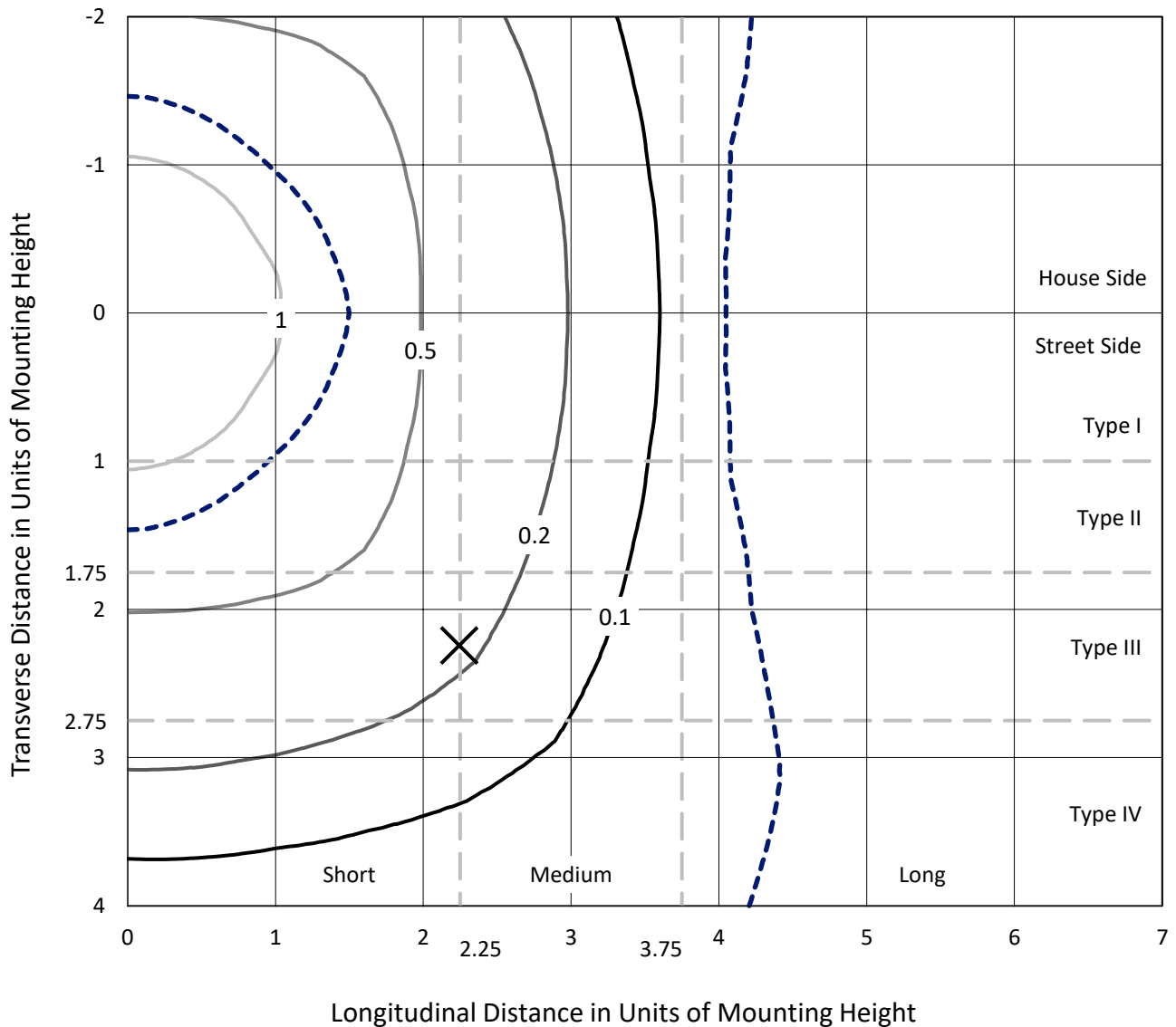
Lumens per Lamp: N/A
Luminaire Lumens: 4983.6 lumens
Efficiency: N/A
Efficacy: 113.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

Input Watts (W): 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

REPORT NUMBER: P672467
 CATALOG NUMBER: CCP-SA-1D-840-U-5WQ

Iso-Footcandle Lines of Horizontal Illumination

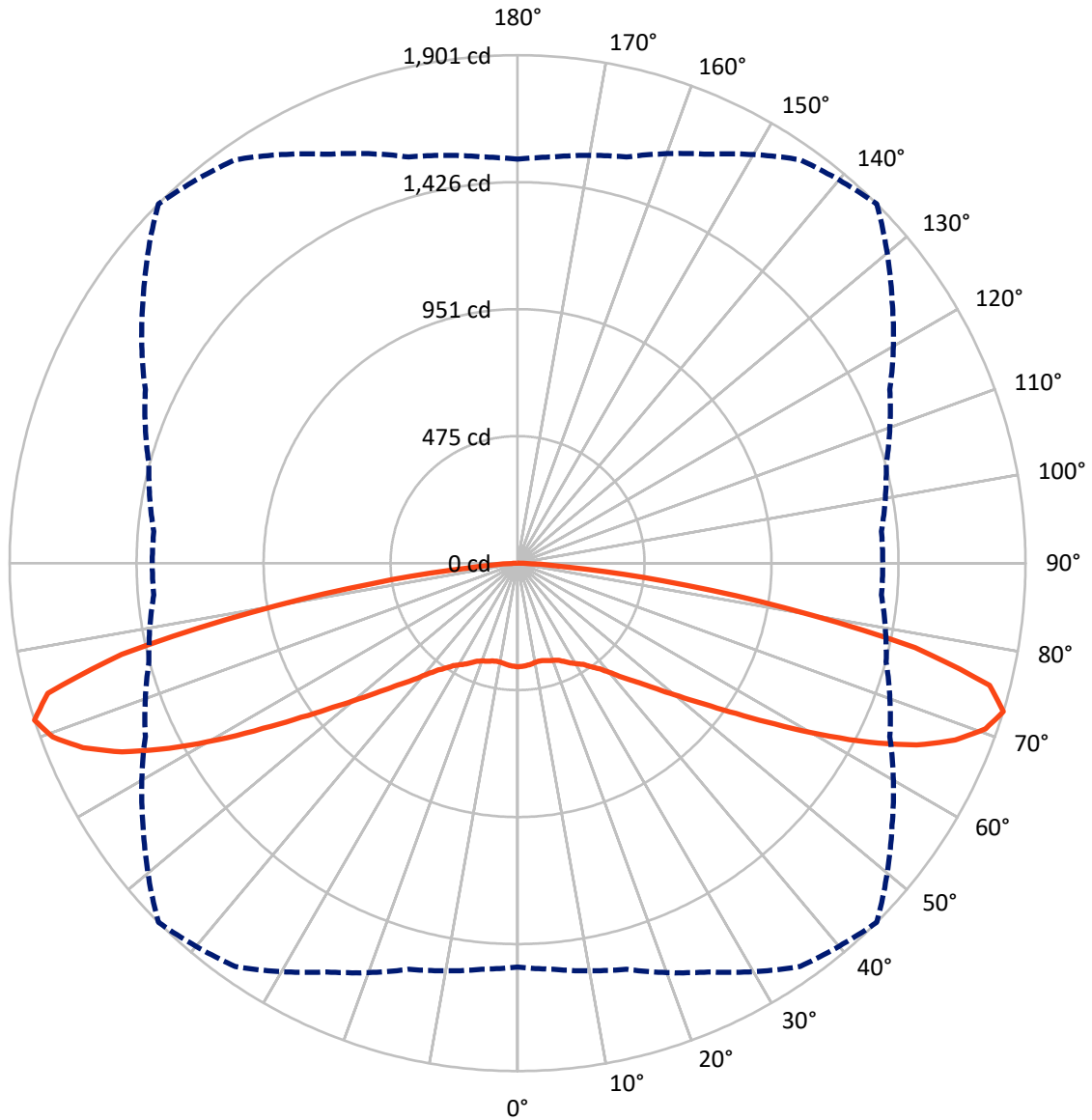
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 1.7 fc
 Type V - Short - N/A

REPORT NUMBER: P672467
CATALOG NUMBER: CCP-SA-1D-840-U-5WQ

Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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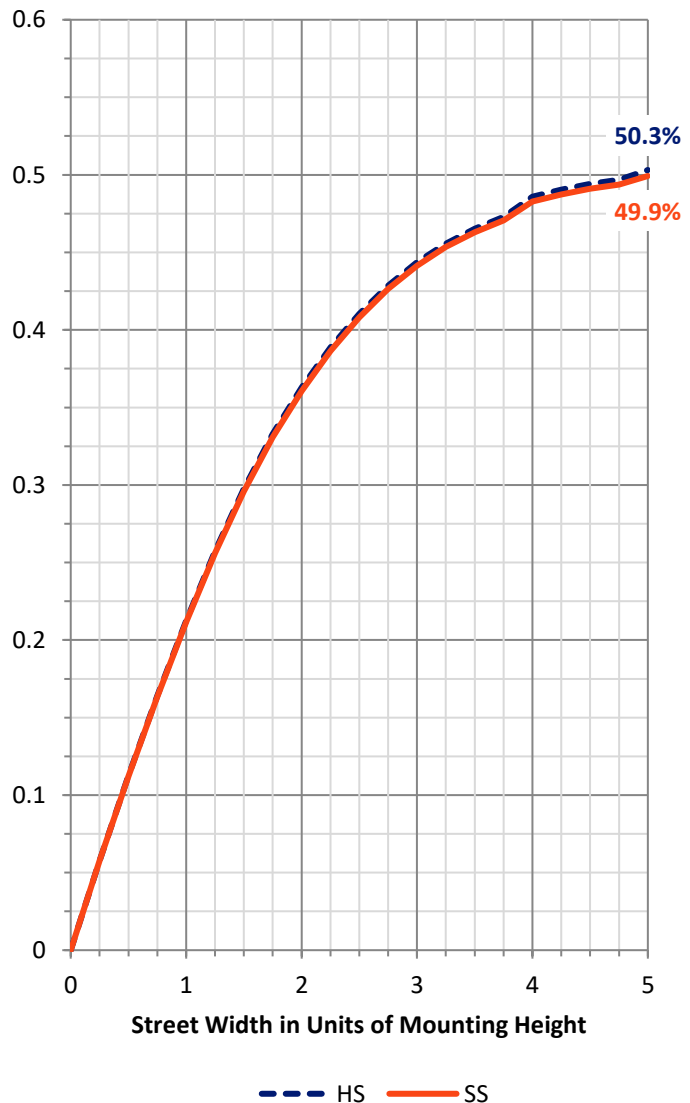
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2491.8	0.0	2491.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2491.8	0.0	2491.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	4983.6	0.0	4983.6
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	36.4	0.7
10°-20°	108.2	2.2
20°-30°	190.1	3.8
30°-40°	303.4	6.1
40°-50°	507.2	10.2
50°-60°	868.0	17.4
60°-70°	1433.0	28.8
70°-80°	1373.4	27.6
80°-90°	163.8	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°	4983.6	100.0
0°-180°	4983.6	100.0



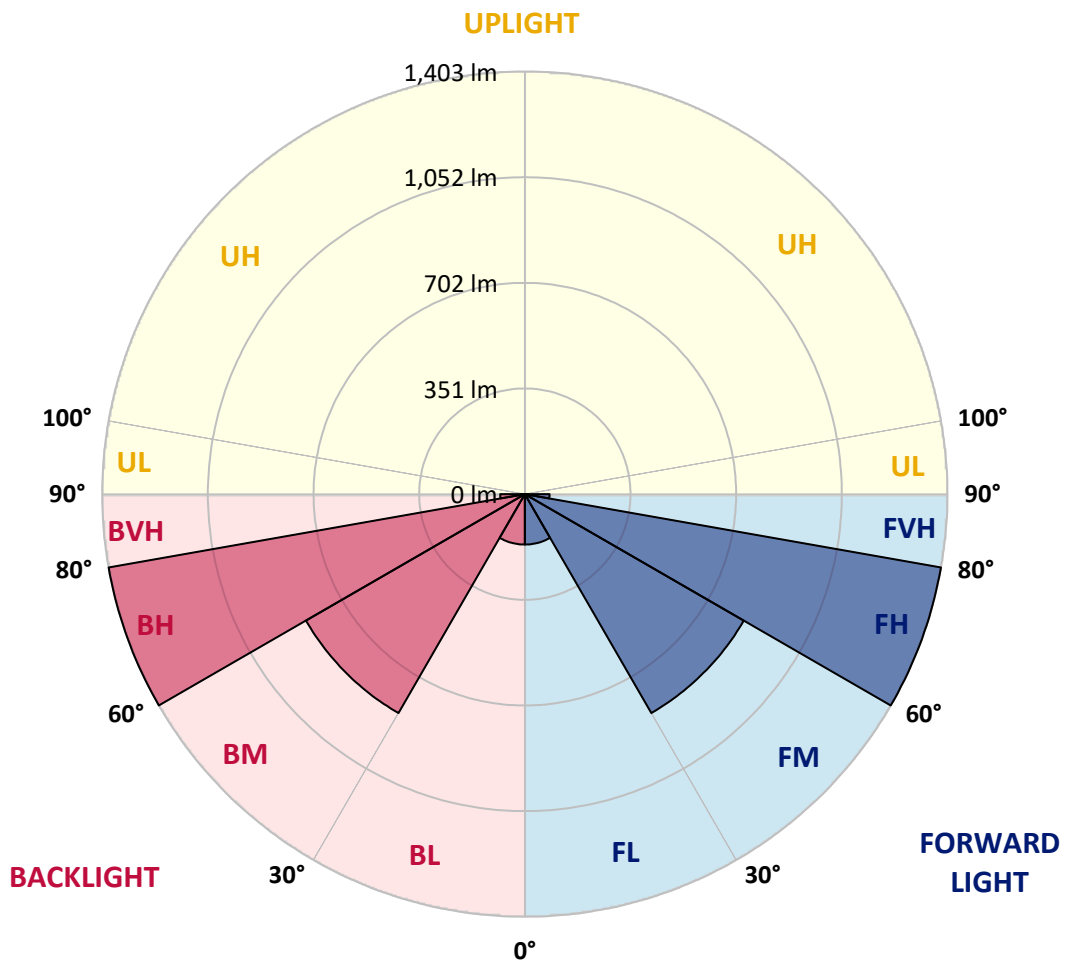
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	167.4	3.4			
FM (30°-60°)	839.3	16.8			
FH (60°-80°)	1403.2	28.2			G1/1800
FVH (80°-90°)	81.9	1.6			G1/100
BL (0°-30°)	167.4	3.4	B1/500		
BM (30°-60°)	839.3	16.8	B1/1000		
BH (60°-80°)	1403.2	28.2	B3/2500		G1/1800
BVH (80°-90°)	81.9	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°	388.1	388.1	388.1	388.1	388.1	388.1	388.1	388.1	388.1	388.1	388.1
2.5°	385.6	385.6	386.7	387.0	386.7	386.3	386.0	385.6	386.7	386.3	386.7
5°	384.6	384.6	384.9	385.3	384.6	384.3	383.6	383.2	383.9	383.9	384.6
7.5°	381.8	381.5	381.8	382.2	381.1	380.8	379.7	379.7	379.7	379.4	380.1
10°	379.4	378.7	378.7	378.0	376.3	376.6	375.2	376.3	378.0	378.3	378.7
12.5°	380.4	379.7	379.0	377.3	374.9	375.2	374.9	375.9	378.3	379.7	380.8
15°	385.3	384.6	382.9	379.7	378.3	378.3	377.6	378.0	381.5	383.6	384.6
17.5°	390.5	389.1	386.0	383.9	382.5	383.6	381.1	380.8	383.6	386.7	387.7
20°	394.7	393.6	389.8	387.4	387.4	388.4	386.0	384.6	387.7	391.6	392.6
22.5°	402.0	401.3	397.5	395.0	395.0	395.4	394.0	392.9	396.4	400.3	401.3
25°	412.4	412.4	408.6	407.6	407.2	407.9	406.2	405.1	408.2	411.0	412.1
27.5°	424.6	423.5	420.4	419.7	421.1	423.5	420.4	417.6	420.1	422.5	422.9
30°	437.5	437.5	434.7	434.7	435.7	436.8	434.0	431.2	433.6	436.4	436.8
32.5°	455.5	454.5	453.5	453.8	453.5	452.1	450.7	450.3	452.4	454.2	454.8
35°	477.8	477.4	476.1	476.8	476.8	476.8	472.6	471.2	474.7	476.1	475.4
37.5°	512.2	511.9	508.4	506.3	503.9	502.8	497.6	497.3	505.6	509.8	509.1
40°	554.3	552.9	549.8	546.3	543.2	541.1	535.9	539.7	548.4	551.5	551.5
42.5°	600.2	598.5	595.0	593.2	591.2	589.1	582.1	583.9	594.3	597.4	593.9
45°	656.5	654.1	650.3	646.5	643.3	639.1	635.7	637.4	648.5	652.4	649.6
47.5°	716.3	715.7	712.5	709.4	706.6	703.8	699.3	702.4	712.2	711.5	705.9
50°	779.6	781.0	781.4	784.5	782.4	782.8	774.4	772.7	780.3	775.8	768.9
52.5°	847.8	849.9	857.2	863.4	874.9	876.3	865.9	854.7	853.4	841.5	834.2
55°	926.7	926.4	942.4	959.8	985.2	993.1	969.9	949.0	937.5	914.6	906.9
57.5°	1016.1	1015.1	1039.4	1070.0	1115.9	1135.7	1093.0	1053.3	1025.5	998.0	990.0
60°	1113.1	1115.6	1145.1	1194.8	1274.1	1301.6	1236.9	1171.2	1128.8	1093.0	1089.8
62.5°	1226.5	1226.8	1261.6	1329.1	1432.0	1476.2	1387.1	1298.1	1244.2	1204.9	1196.6
65°	1360.4	1362.8	1400.0	1468.2	1586.4	1641.0	1538.4	1429.9	1366.3	1313.1	1312.0
67.5°	1497.7	1496.3	1530.4	1602.7	1716.8	1767.2	1659.8	1538.8	1456.0	1389.6	1380.9
70°	1585.7	1593.4	1630.2	1699.4	1808.6	1857.6	1726.9	1580.8	1494.2	1433.4	1429.2
72.5°	1511.6	1525.9	1573.5	1688.3	1843.0	1901.1	1710.9	1537.4	1428.2	1367.0	1367.0
75°	1227.2	1250.8	1317.2	1493.9	1724.1	1824.6	1584.0	1345.4	1186.5	1121.1	1121.1
77.5°	747.6	770.2	860.0	1075.6	1392.4	1521.0	1291.2	1013.3	829.4	749.4	739.0
80°	248.6	263.2	351.2	546.6	854.7	1012.3	865.2	575.5	371.4	283.1	281.7
82.5°	66.1	72.0	100.1	158.6	371.0	548.4	395.7	189.9	108.8	84.5	77.9
85°	23.0	24.7	42.4	52.9	94.2	181.5	110.2	68.9	52.9	32.0	29.9
87.5°	6.6	7.3	17.0	18.4	27.1	21.2	29.9	27.5	25.0	10.4	9.4
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)