

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: P672435

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

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P672435
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1E-827-U-5WQ
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @1050mA w/ 5WQ distribution lens
Light Source: (16) 2700K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

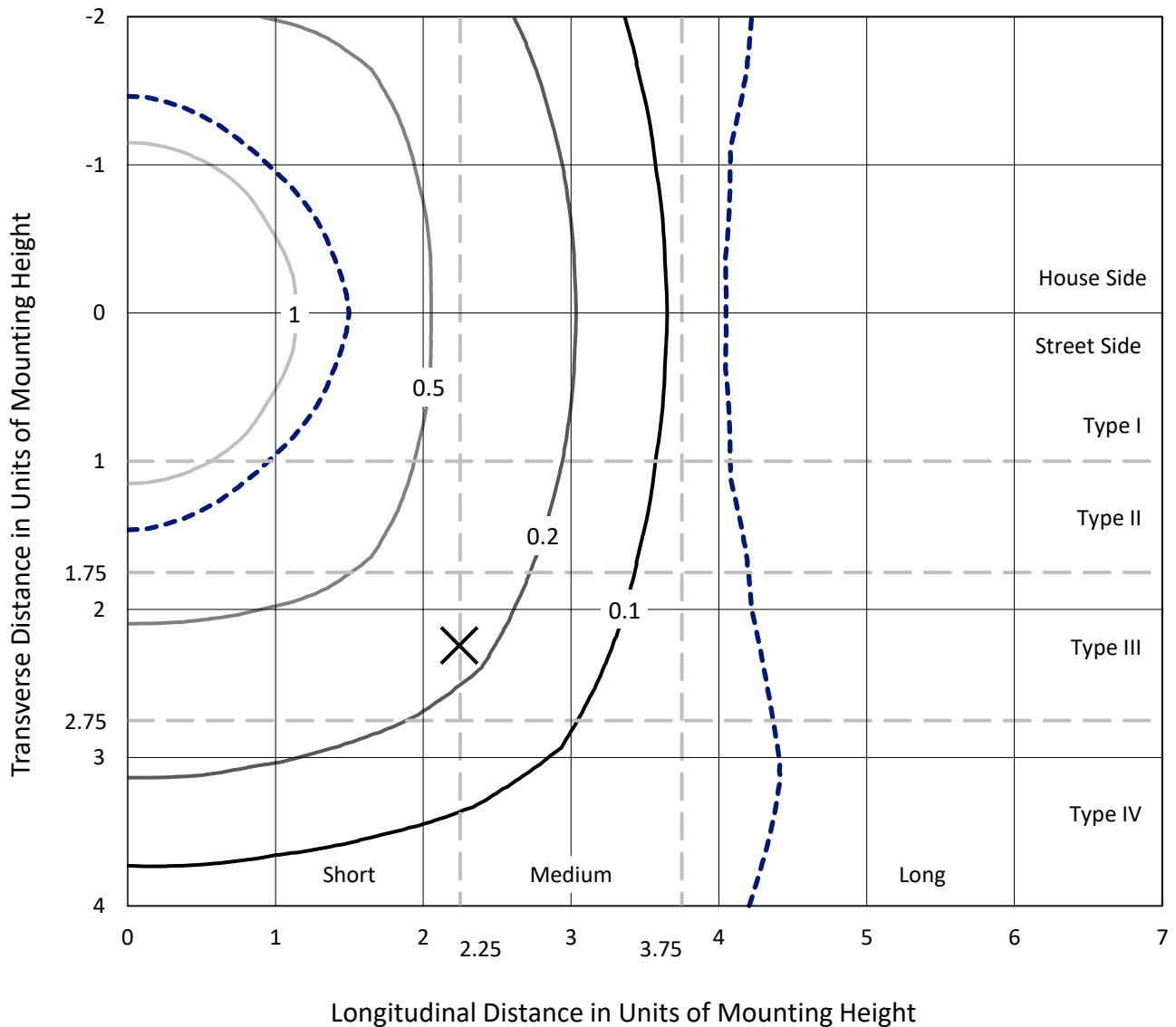
Lumens per Lamp: N/A
Luminaire Lumens: 5267.7 lumens
Efficiency: N/A
Efficacy: 93.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

Input Watts (W): 56.1
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

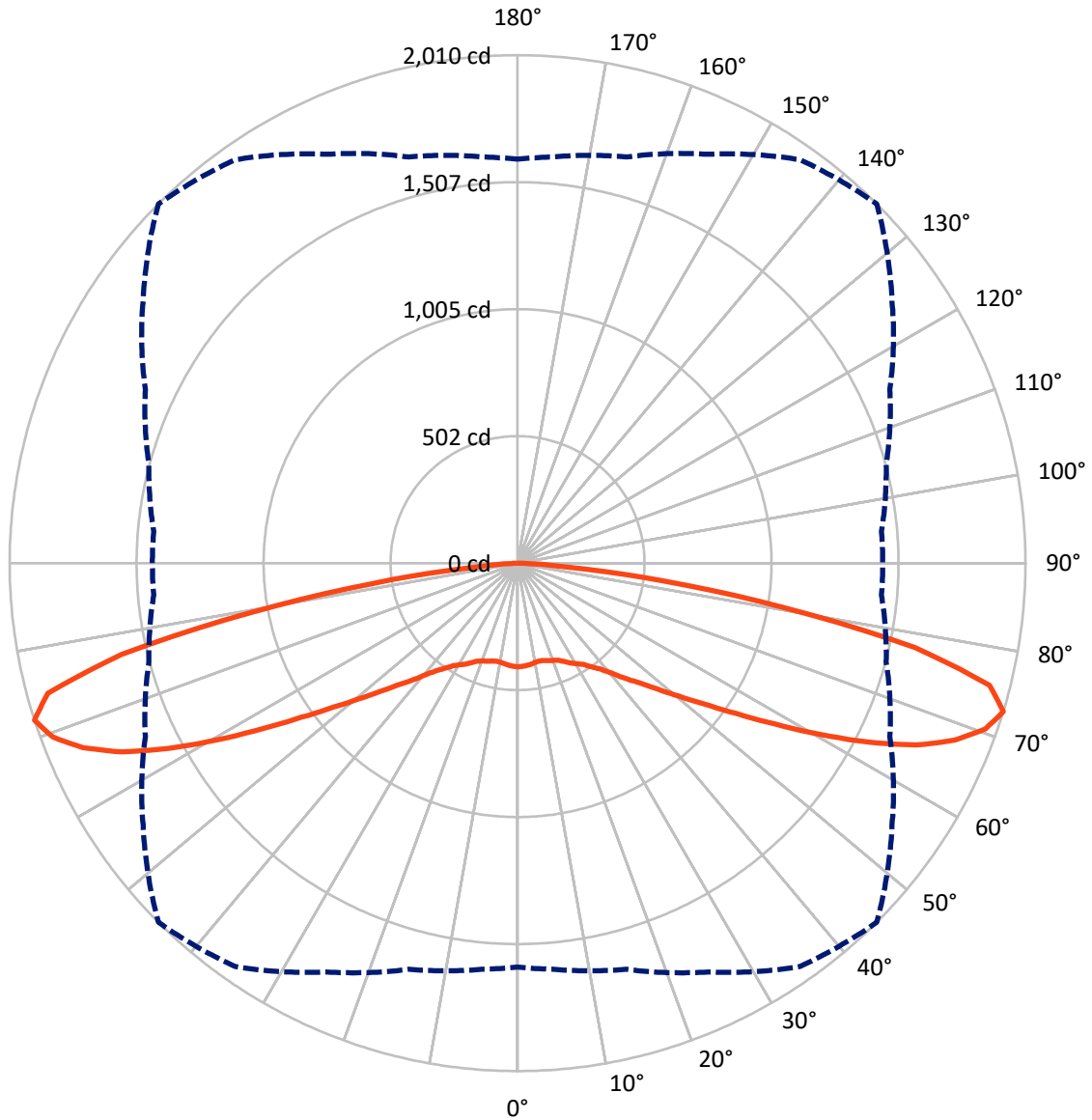
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 1.8 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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

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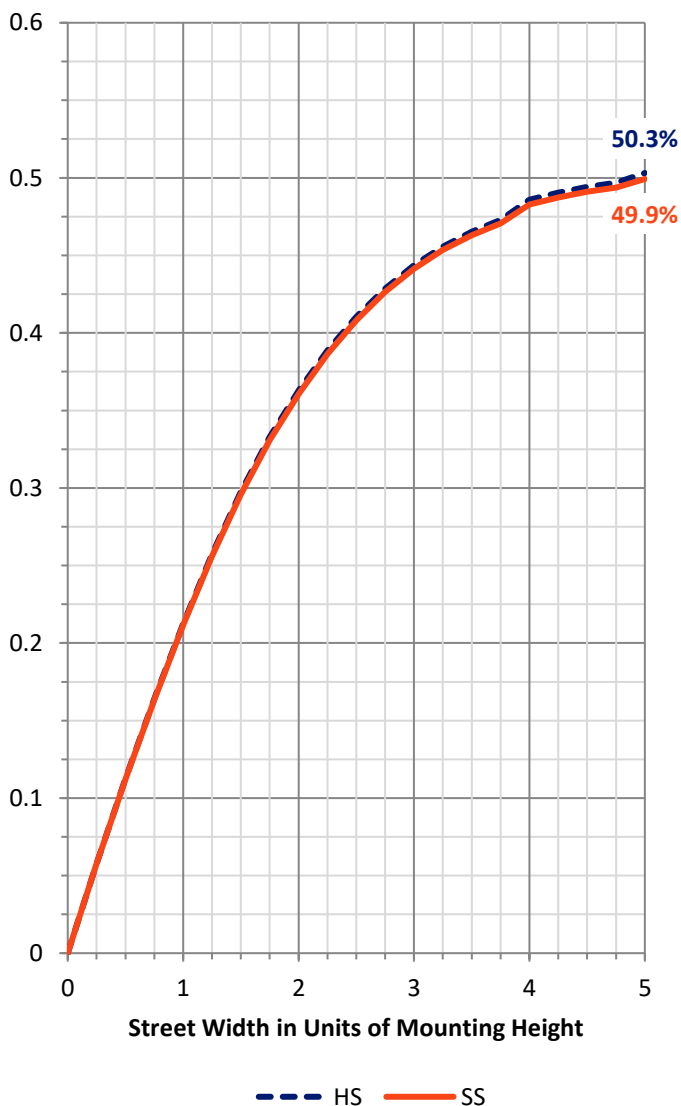
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2633.8	0.0	2633.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2633.8	0.0	2633.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	5267.7	0.0	5267.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	38.5	0.7
10°-20°	114.4	2.2
20°-30°	201.0	3.8
30°-40°	320.6	6.1
40°-50°	536.2	10.2
50°-60°	917.5	17.4
60°-70°	1514.6	28.8
70°-80°	1451.7	27.6
80°-90°	173.1	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°	5267.7	100.0
0°-180°	5267.7	100.0



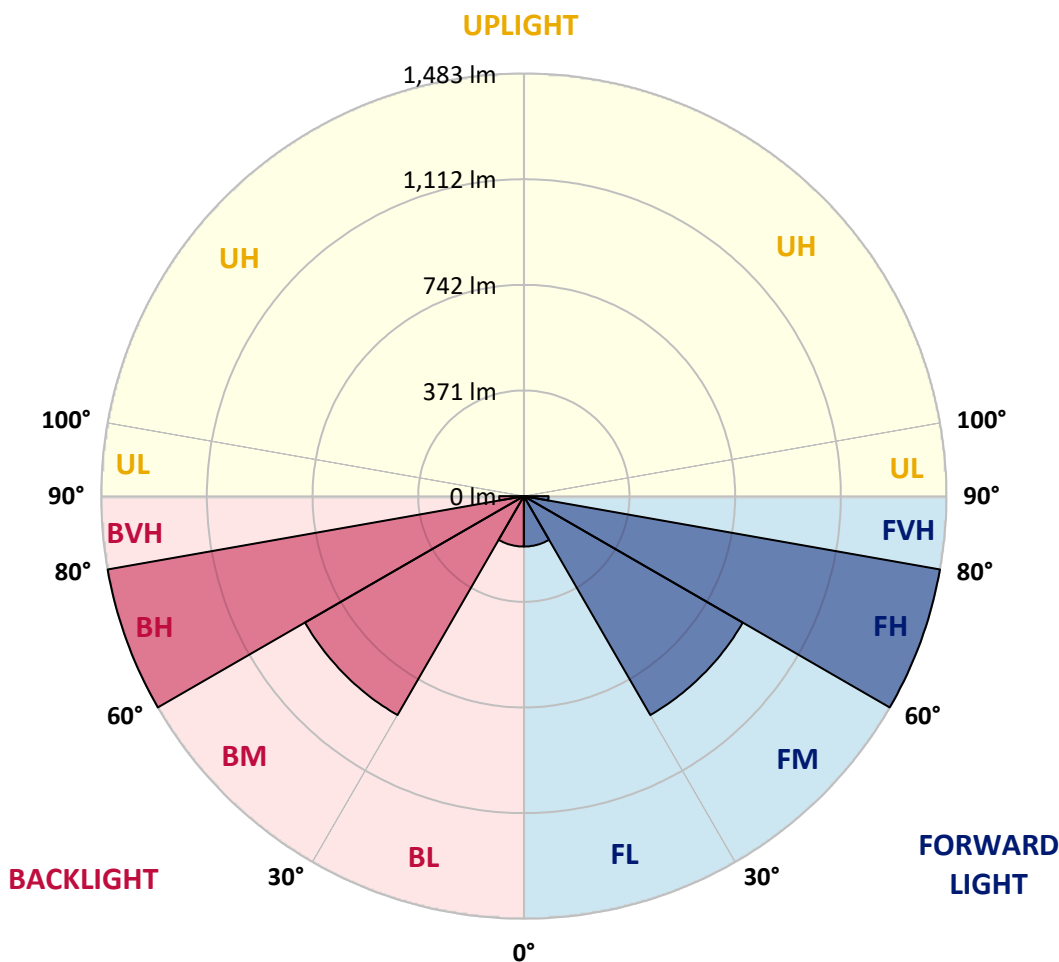
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	177.0	3.4			
FM (30°-60°)	887.1	16.8			
FH (60°-80°)	1483.2	28.2			G1/1800
FVH (80°-90°)	86.6	1.6			G1/100
BL (0°-30°)	177.0	3.4	B1/500		
BM (30°-60°)	887.1	16.8	B1/1000		
BH (60°-80°)	1483.2	28.2	B3/2500		G1/1800
BVH (80°-90°)	86.6	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°	410.2	410.2	410.2	410.2	410.2	410.2	410.2	410.2	410.2	410.2	410.2
2.5°	407.6	407.6	408.7	409.1	408.7	408.4	408.0	407.6	408.7	408.4	408.7
5°	406.5	406.5	406.9	407.3	406.5	406.2	405.4	405.1	405.8	405.8	406.5
7.5°	403.6	403.2	403.6	404.0	402.9	402.5	401.4	401.4	401.4	401.0	401.7
10°	401.0	400.3	400.3	399.5	397.7	398.1	396.6	397.7	399.5	399.9	400.3
12.5°	402.1	401.4	400.6	398.8	396.2	396.6	396.2	397.3	399.9	401.4	402.5
15°	407.3	406.5	404.7	401.4	399.9	399.9	399.2	399.5	403.2	405.4	406.5
17.5°	412.8	411.3	408.0	405.8	404.3	405.4	402.9	402.5	405.4	408.7	409.8
20°	417.2	416.1	412.0	409.5	409.5	410.6	408.0	406.5	409.8	413.9	415.0
22.5°	424.9	424.2	420.1	417.6	417.6	417.9	416.5	415.3	419.0	423.1	424.2
25°	435.9	435.9	431.9	430.8	430.4	431.2	429.3	428.2	431.5	434.5	435.6
27.5°	448.8	447.7	444.4	443.6	445.1	447.7	444.4	441.4	444.0	446.6	447.0
30°	462.4	462.4	459.5	459.5	460.6	461.7	458.7	455.8	458.4	461.3	461.7
32.5°	481.5	480.4	479.3	479.7	479.3	477.8	476.4	476.0	478.2	480.0	480.8
35°	505.0	504.7	503.2	503.9	503.9	503.9	499.5	498.0	501.7	503.2	502.5
37.5°	541.4	541.1	537.4	535.2	532.6	531.5	526.0	525.6	534.4	538.8	538.1
40°	585.9	584.4	581.1	577.4	574.1	571.9	566.4	570.5	579.6	583.0	583.0
42.5°	634.4	632.6	628.9	627.1	624.9	622.7	615.3	617.1	628.2	631.5	627.8
45°	694.0	691.4	687.3	683.3	680.0	675.6	671.9	673.7	685.5	689.6	686.6
47.5°	757.2	756.4	753.1	749.8	746.9	743.9	739.2	742.5	752.8	752.0	746.2
50°	824.1	825.5	825.9	829.2	827.0	827.4	818.6	816.7	824.8	820.0	812.7
52.5°	896.1	898.3	906.0	912.7	924.8	926.3	915.2	903.5	902.0	889.5	881.8
55°	979.6	979.2	996.1	1014.5	1041.3	1049.8	1025.1	1003.1	991.0	966.7	958.6
57.5°	1074.0	1072.9	1098.6	1131.0	1179.5	1200.5	1155.3	1113.4	1083.9	1054.9	1046.5
60°	1176.6	1179.1	1210.4	1263.0	1346.8	1375.8	1307.4	1238.0	1193.1	1155.3	1151.9
62.5°	1296.4	1296.8	1333.5	1404.8	1513.6	1560.3	1466.2	1372.1	1315.1	1273.6	1264.8
65°	1437.9	1440.5	1479.8	1551.9	1676.8	1734.5	1626.1	1511.4	1444.2	1387.9	1386.8
67.5°	1583.1	1581.6	1617.6	1694.1	1814.7	1868.0	1754.4	1626.5	1539.0	1468.8	1459.6
70°	1676.1	1684.2	1723.1	1796.3	1911.7	1963.5	1825.3	1670.9	1579.4	1515.1	1510.7
72.5°	1597.8	1612.9	1663.2	1784.5	1948.1	2009.5	1808.4	1625.0	1509.6	1444.9	1444.9
75°	1297.1	1322.1	1392.3	1579.1	1822.4	1928.6	1674.3	1422.1	1254.1	1185.0	1185.0
77.5°	790.3	814.2	909.0	1136.9	1471.7	1607.7	1364.8	1071.1	876.6	792.1	781.1
80°	262.8	278.2	371.2	577.8	903.5	1070.0	914.5	608.3	392.6	299.2	297.7
82.5°	69.8	76.1	105.9	167.6	392.2	579.6	418.3	200.7	115.0	89.3	82.3
85°	24.3	26.1	44.8	55.9	99.6	191.9	116.5	72.8	55.9	33.8	31.6
87.5°	7.0	7.7	18.0	19.5	28.7	22.4	31.6	29.0	26.5	11.0	9.9
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)