

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: P672470

Luminaire Tested: **CCP-SA-2A-840-U-5WQ**

Issue Date: 04/16/2023

Test Information

Test Method: LM-79-08
Report Number: P672470
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2A-840-U-5WQ
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @350mA w/ 5WQ
distribution lens
Light Source: (32) 4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4889.5 lumens
Efficiency: N/A
Efficacy: 135.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

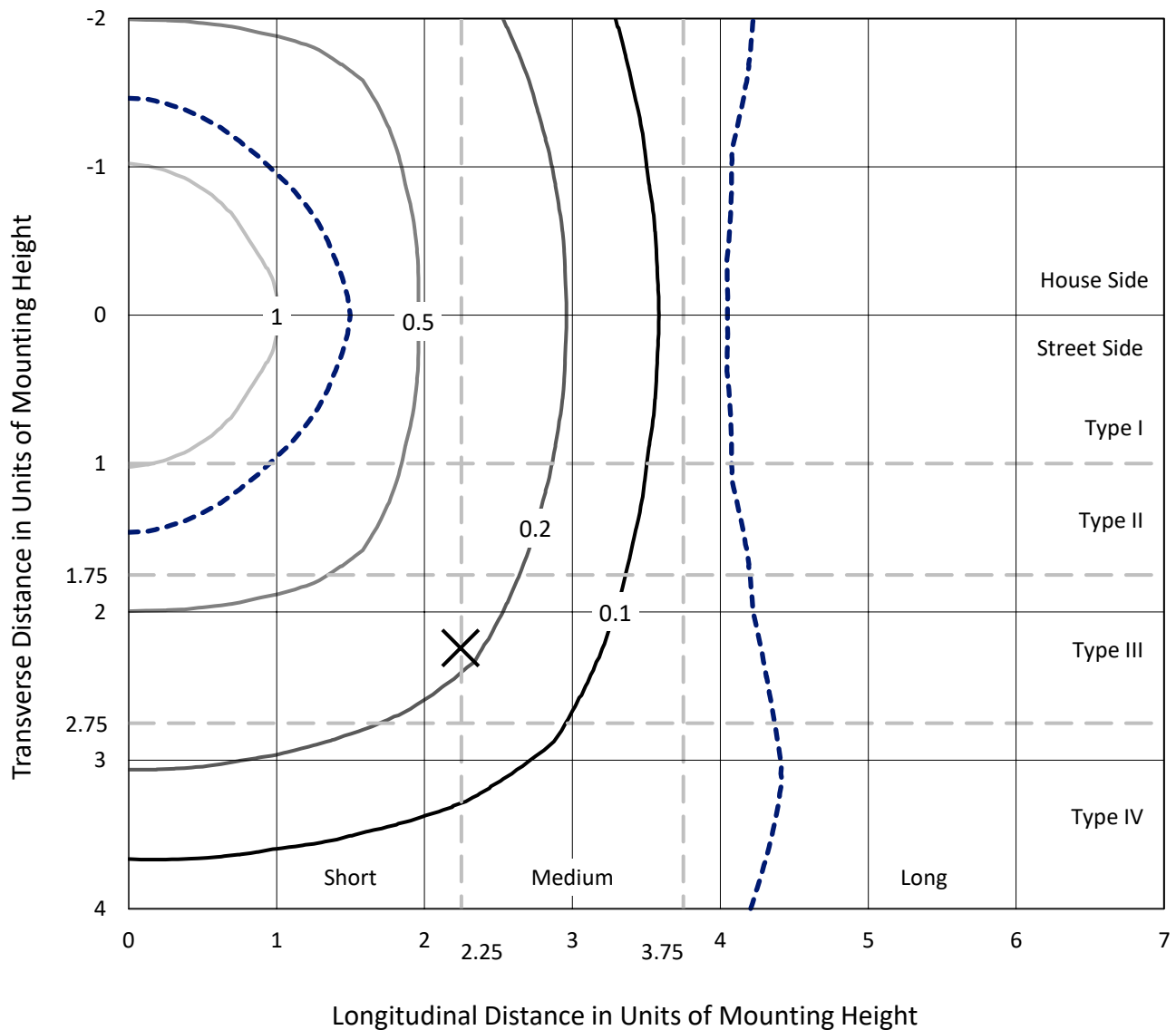
Input Watts (W): 36.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

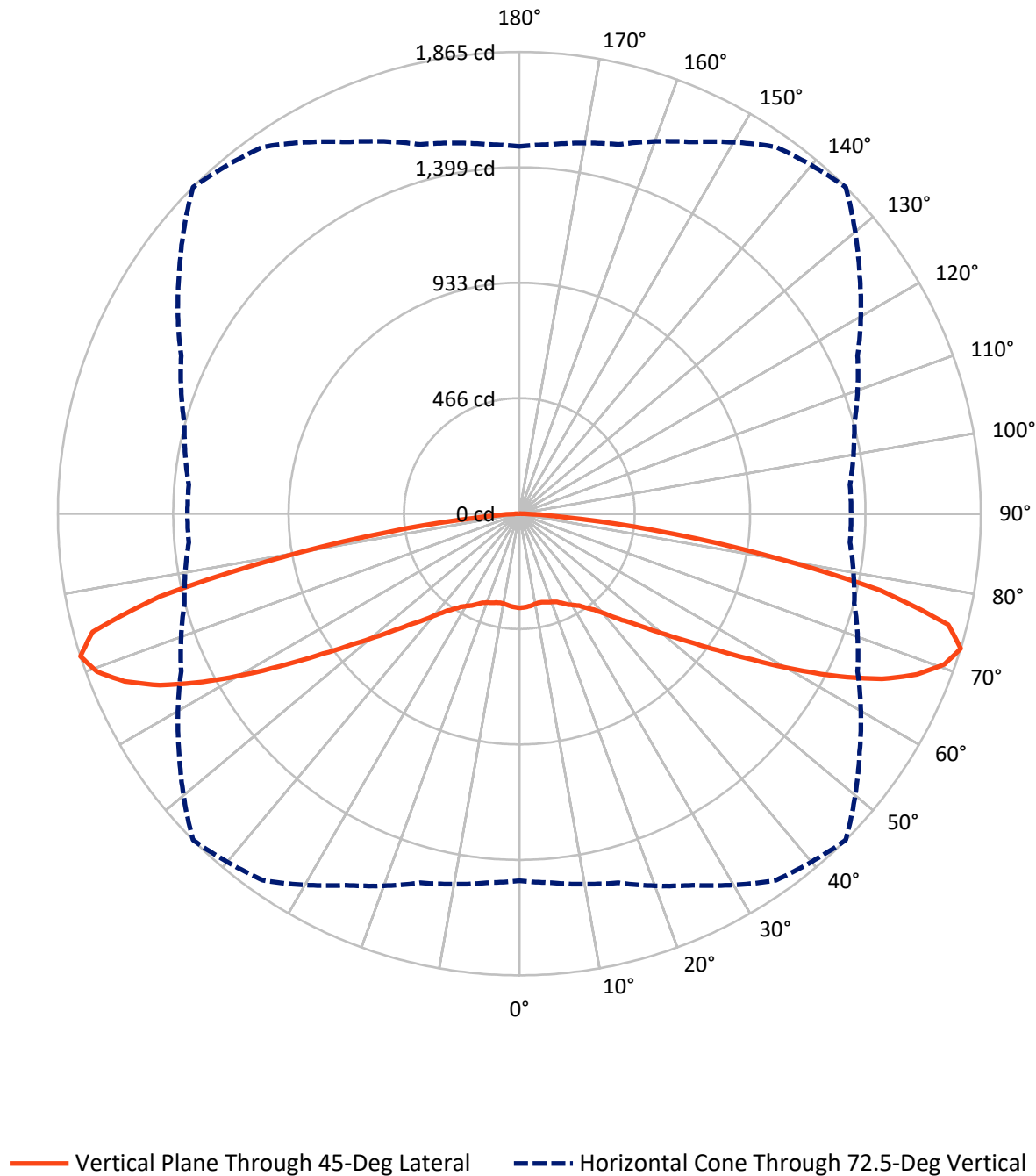


Based on 15 foot mounting height. Maximum calculated value = 1.7 fc
Type V - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2444.8	0.0	2444.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2444.8	0.0	2444.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	4889.5	0.0	4889.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	35.8	0.7
10°-20°	106.2	2.2
20°-30°	186.5	3.8
30°-40°	297.6	6.1
40°-50°	497.7	10.2
50°-60°	851.6	17.4
60°-70°	1405.9	28.8
70°-80°	1347.5	27.6
80°-90°	160.7	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°	4889.5	100.0
0°-180°	4889.5	100.0

Coefficient of Utilization



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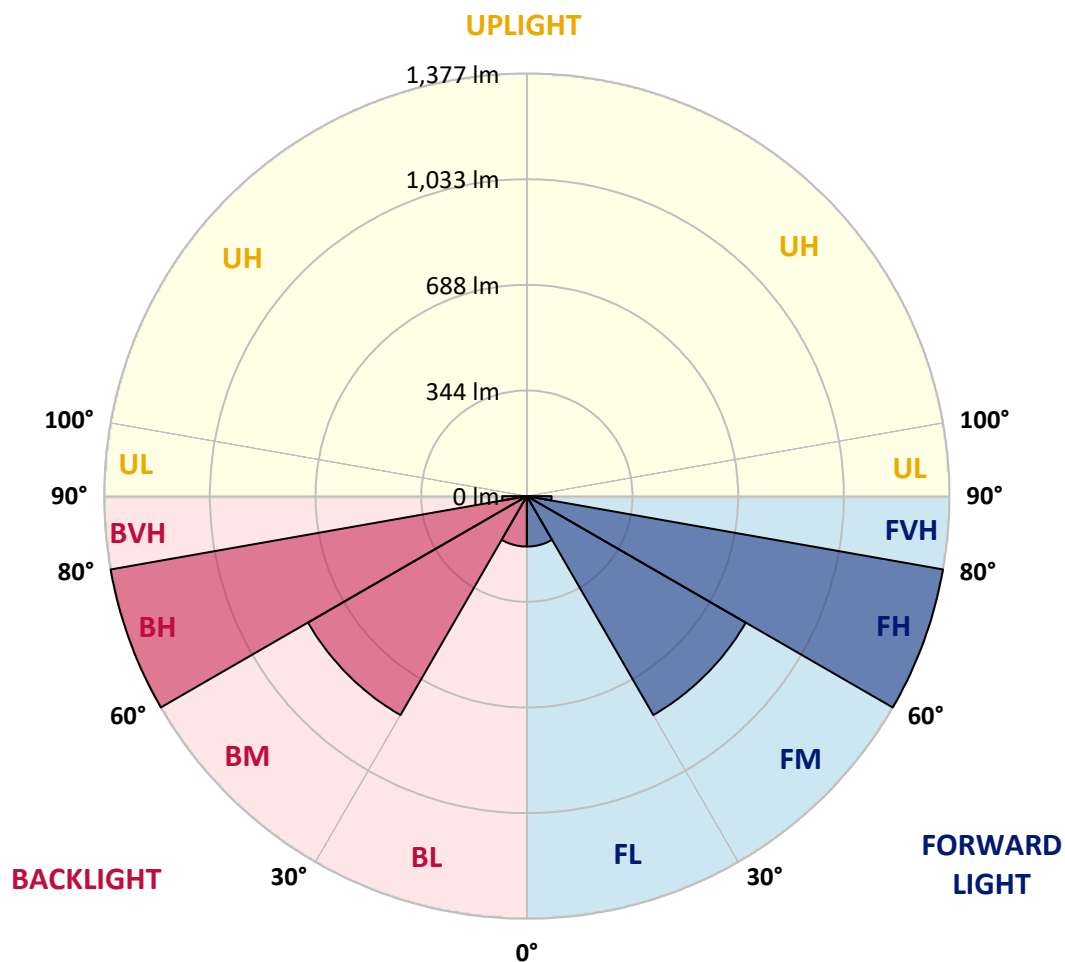
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	164.3	3.4			
FM	(30°-60°)	823.5	16.8			
FH	(60°-80°)	1376.7	28.2			G1/1800
FVH	(80°-90°)	80.4	1.6			G1/100
BL	(0°-30°)	164.3	3.4	B1/500		
BM	(30°-60°)	823.5	16.8	B1/1000		
BH	(60°-80°)	1376.7	28.2	B3/2500		G1/1800
BVH	(80°-90°)	80.4	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°	380.8	380.8	380.8	380.8	380.8	380.8	380.8	380.8	380.8	380.8	380.8
2.5°	378.4	378.4	379.4	379.7	379.4	379.0	378.7	378.4	379.4	379.0	379.4
5°	377.3	377.3	377.7	378.0	377.3	377.0	376.3	376.0	376.7	376.7	377.3
7.5°	374.6	374.3	374.6	375.0	373.9	373.6	372.6	372.6	372.6	372.2	372.9
10°	372.2	371.5	371.5	370.9	369.2	369.5	368.1	369.2	370.9	371.2	371.5
12.5°	373.2	372.6	371.9	370.2	367.8	368.1	367.8	368.8	371.2	372.6	373.6
15°	378.0	377.3	375.6	372.6	371.2	371.2	370.5	370.9	374.3	376.3	377.3
17.5°	383.1	381.8	378.7	376.7	375.3	376.3	373.9	373.6	376.3	379.4	380.4
20°	387.2	386.2	382.5	380.1	380.1	381.1	378.7	377.3	380.4	384.2	385.2
22.5°	394.4	393.7	390.0	387.6	387.6	387.9	386.6	385.5	388.9	392.7	393.7
25°	404.6	404.6	400.9	399.9	399.5	400.2	398.5	397.5	400.5	403.3	404.3
27.5°	416.6	415.6	412.5	411.8	413.2	415.6	412.5	409.8	412.1	414.5	414.9
30°	429.2	429.2	426.5	426.5	427.5	428.5	425.8	423.1	425.4	428.2	428.5
32.5°	446.9	445.9	444.9	445.2	444.9	443.5	442.2	441.8	443.9	445.6	446.3
35°	468.8	468.4	467.1	467.8	467.8	467.8	463.7	462.3	465.7	467.1	466.4
37.5°	502.6	502.2	498.8	496.8	494.4	493.3	488.2	487.9	496.1	500.2	499.5
40°	543.8	542.5	539.4	536.0	532.9	530.9	525.8	529.5	538.0	541.1	541.1
42.5°	588.9	587.2	583.8	582.0	580.0	578.0	571.1	572.8	583.1	586.1	582.7
45°	644.1	641.8	638.0	634.3	631.2	627.1	623.7	625.4	636.3	640.1	637.3
47.5°	702.8	702.1	699.1	696.0	693.3	690.5	686.1	689.2	698.7	698.1	692.6
50°	764.9	766.3	766.6	769.7	767.7	768.0	759.8	758.1	765.6	761.2	754.3
52.5°	831.8	833.8	841.0	847.1	858.4	859.8	849.5	838.6	837.3	825.7	818.5
55°	909.2	908.9	924.6	941.7	966.6	974.4	951.5	931.1	919.8	897.3	889.8
57.5°	996.9	995.9	1019.8	1049.8	1094.8	1114.3	1072.3	1033.4	1006.1	979.2	971.3
60°	1092.1	1094.5	1123.5	1172.3	1250.1	1277.0	1213.6	1149.1	1107.5	1072.3	1069.3
62.5°	1203.3	1203.7	1237.8	1304.0	1405.0	1448.3	1361.0	1273.6	1220.7	1182.2	1174.0
65°	1334.7	1337.1	1373.6	1440.5	1556.5	1610.0	1509.4	1402.9	1340.5	1288.3	1287.3
67.5°	1469.5	1468.1	1501.5	1572.5	1684.4	1733.9	1628.4	1509.7	1428.5	1363.3	1354.8
70°	1555.8	1563.3	1599.4	1667.3	1774.5	1822.6	1694.3	1551.0	1466.0	1406.3	1402.2
72.5°	1483.1	1497.1	1543.8	1656.4	1808.2	1865.2	1678.6	1508.3	1401.2	1341.2	1341.2
75°	1204.0	1227.2	1292.4	1465.7	1691.6	1790.2	1554.1	1320.0	1164.1	1100.0	1100.0
77.5°	733.5	755.7	843.7	1055.3	1366.1	1492.3	1266.8	994.2	813.7	735.2	725.0
80°	243.9	258.3	344.6	536.3	838.6	993.2	848.9	564.6	364.4	277.7	276.4
82.5°	64.8	70.6	98.3	155.6	364.0	538.0	388.3	186.3	106.8	82.9	76.4
85°	22.5	24.2	41.6	51.9	92.5	178.1	108.2	67.6	51.9	31.4	29.3
87.5°	6.5	7.2	16.7	18.1	26.6	20.8	29.3	27.0	24.6	10.2	9.2
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)