

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: P672769

Luminaire Tested: **CCP-SA-2A-850-U-5NQ**

Issue Date: 04/16/2023

Test Information

Test Method: LM-79-08
Report Number: P672769
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2A-850-U-5NQ
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @350mA w/ 5NQ
distribution lens
Light Source: (32) 5000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4968.5 lumens
Efficiency: N/A
Efficacy: 137.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G1

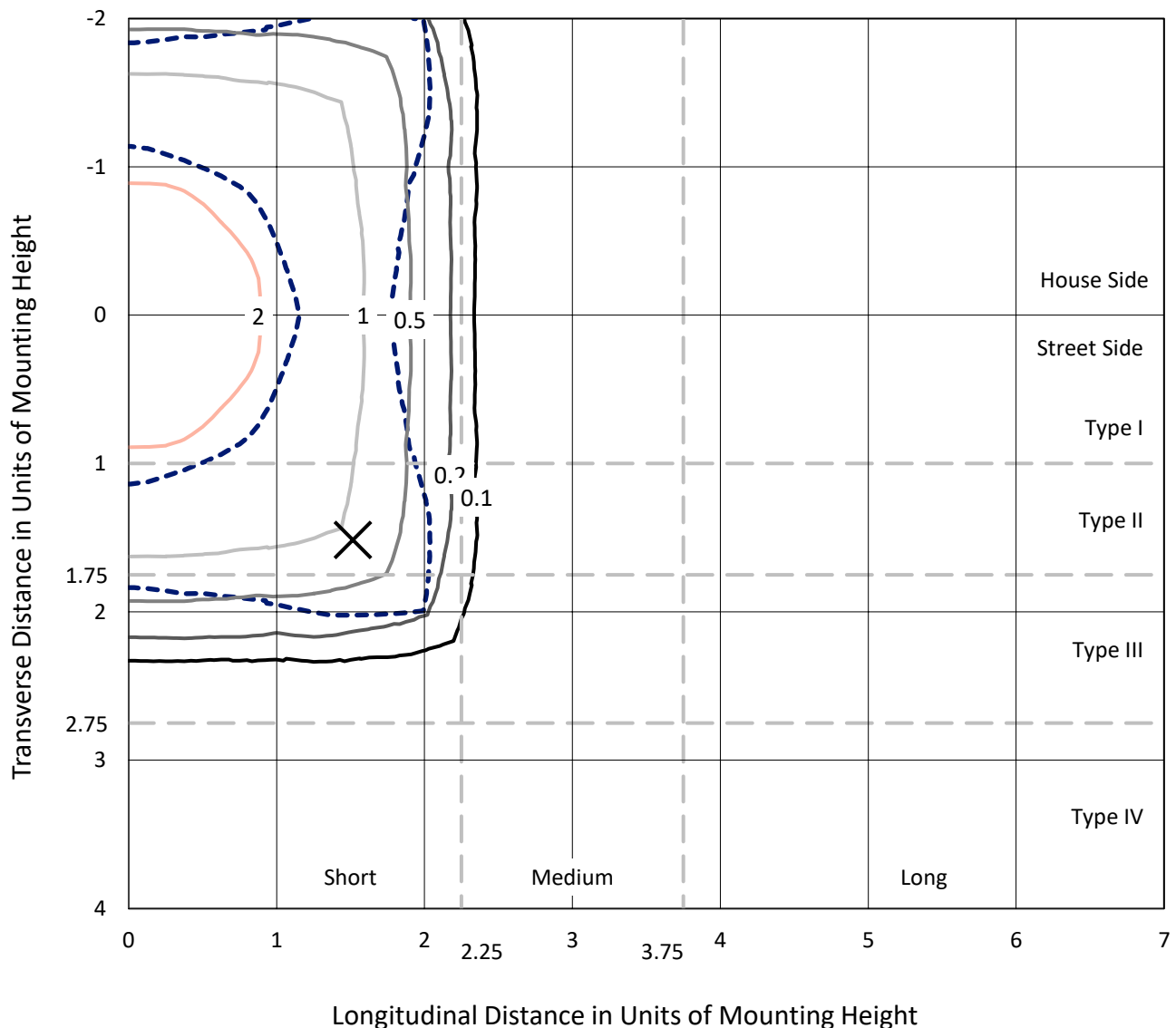
Input Watts (W): 36.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

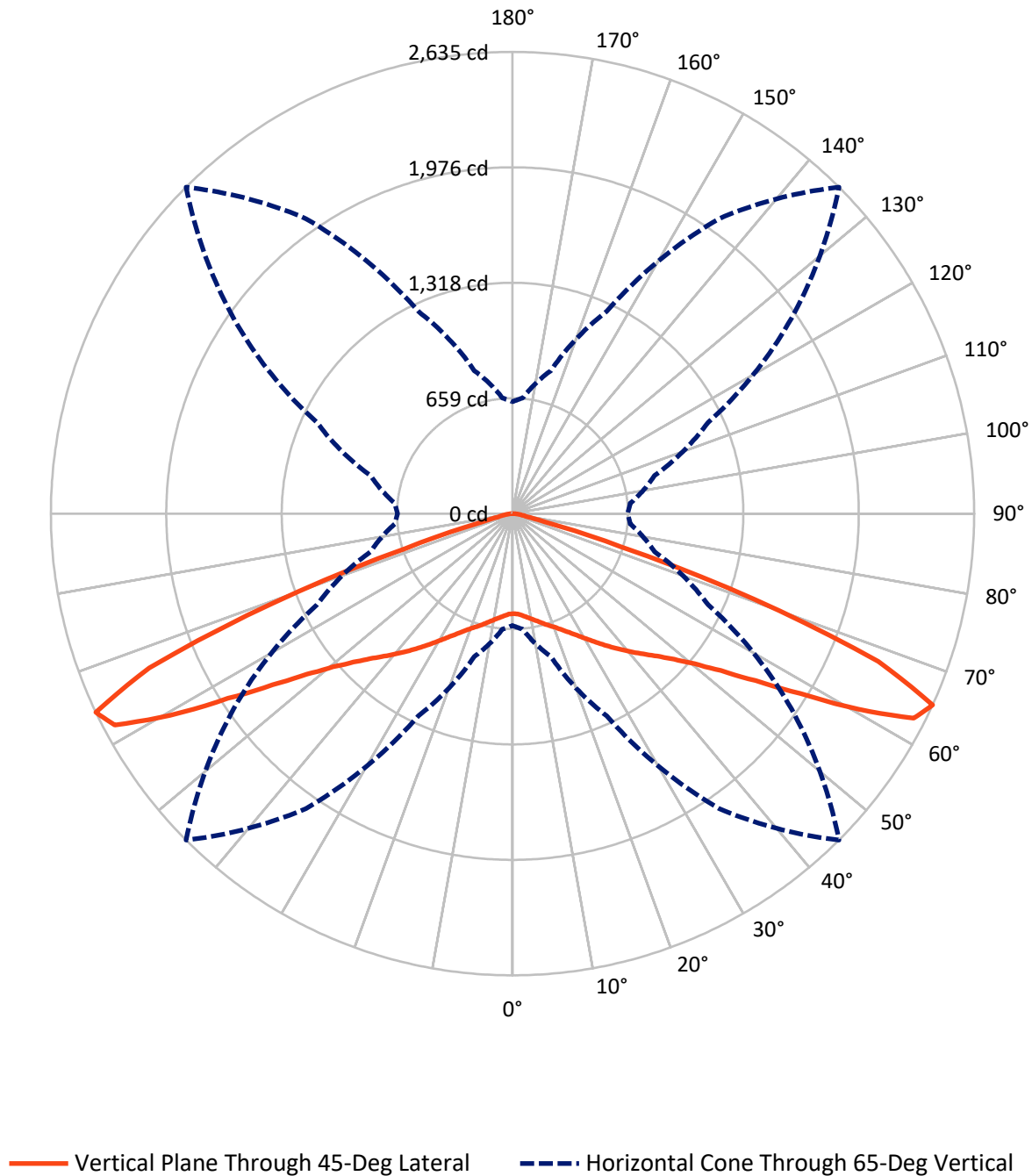


Based on 15 foot mounting height. Maximum calculated value = 2.6 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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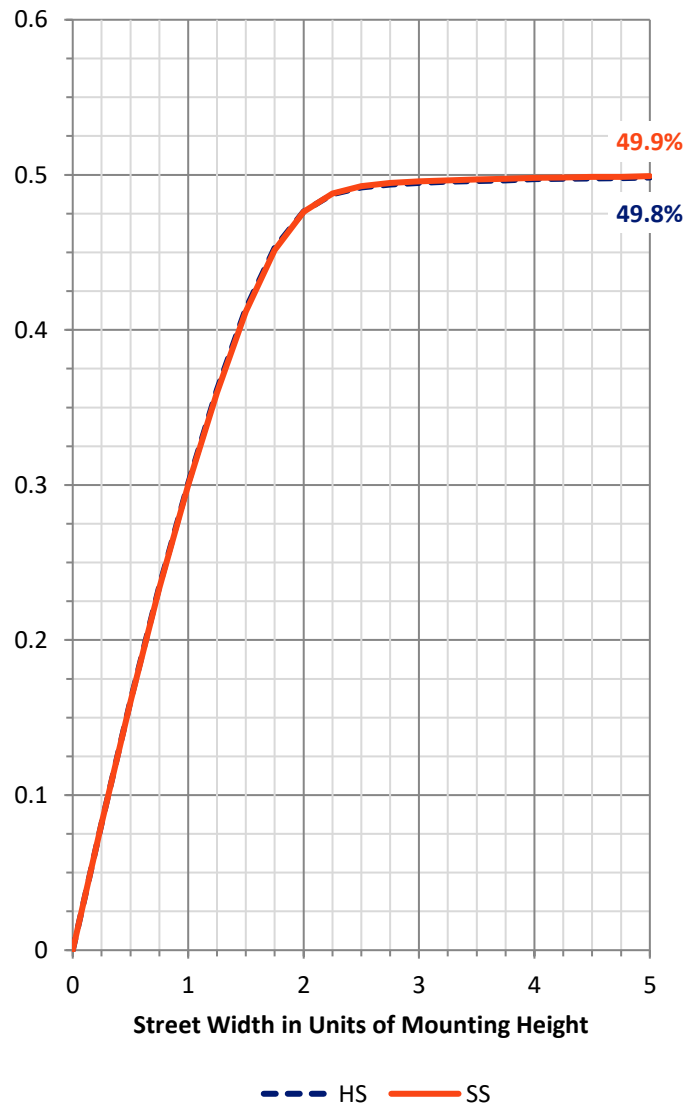
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2484.2	0.0	2484.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2484.2	0.0	2484.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	4968.5	0.0	4968.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	56.6	1.1
10°-20°	184.7	3.7
20°-30°	350.3	7.1
30°-40°	587.5	11.8
40°-50°	929.7	18.7
50°-60°	1460.5	29.4
60°-70°	1234.0	24.8
70°-80°	143.7	2.9
80°-90°	21.4	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°	4968.5	100.0
0°-180°	4968.5	100.0

Coefficient of Utilization



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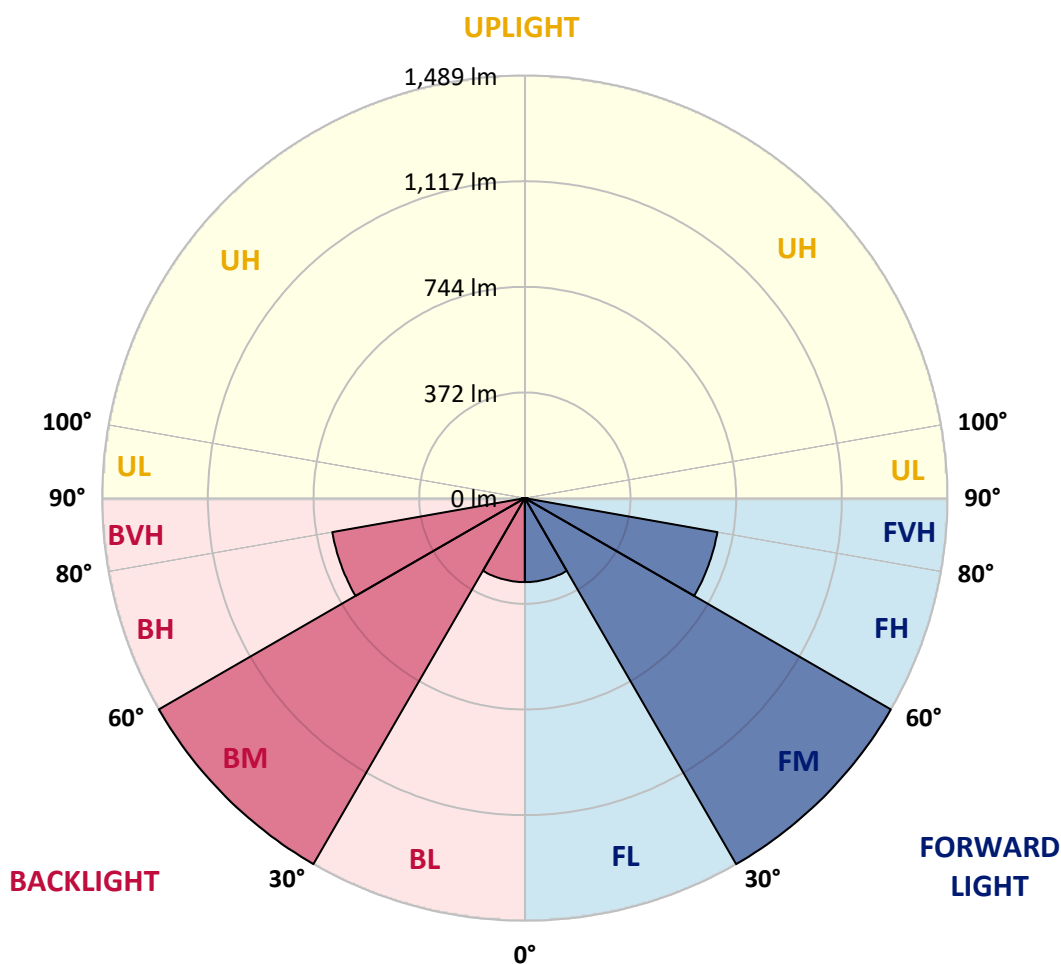
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	295.8	6.0			
FM	(30°-60°)	1488.9	30.0			
FH	(60°-80°)	688.9	13.9			G1/1800
FVH	(80°-90°)	10.7	0.2			G1/100
BL	(0°-30°)	295.8	6.0	B1/500		
BM	(30°-60°)	1488.9	30.0	B2/2500		
BH	(60°-80°)	688.9	13.9	B2/1000		G1/1800
BVH	(80°-90°)	10.7	0.2			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	571.3	571.3	571.3	571.3	571.3	571.3	571.3	571.3	571.3	571.3	571.3
2.5°	574.4	572.7	574.4	574.4	573.4	573.7	572.3	572.0	573.7	572.3	572.0
5°	586.3	584.9	586.3	585.3	583.5	583.9	581.8	581.1	583.2	581.1	581.4
7.5°	599.9	597.5	598.2	599.2	597.5	597.5	595.7	594.7	595.7	593.6	595.0
10°	611.4	609.4	610.4	611.8	611.4	612.5	610.7	610.0	609.0	606.6	608.7
12.5°	626.5	625.8	627.2	628.9	628.2	629.6	625.8	624.7	624.4	621.6	624.0
15°	646.0	644.3	646.7	648.8	647.8	650.2	647.1	645.7	643.9	640.4	642.5
17.5°	665.6	664.2	667.7	668.7	669.1	671.2	668.7	666.6	665.9	663.5	662.1
20°	689.0	687.2	690.0	692.1	690.4	692.8	691.8	690.4	689.7	685.8	685.5
22.5°	715.2	712.7	716.9	719.3	716.9	719.3	717.3	716.9	717.3	711.7	712.4
25°	744.5	744.8	749.0	750.8	749.4	750.8	747.6	749.7	748.7	742.7	740.7
27.5°	782.2	780.8	785.3	790.6	787.1	787.1	785.7	787.8	787.4	781.9	780.5
30°	826.2	825.9	832.5	835.6	830.7	828.6	828.3	833.5	833.9	827.9	825.5
32.5°	872.3	872.3	880.3	884.2	877.2	875.8	874.4	881.4	880.3	872.3	867.1
35°	922.9	920.8	931.7	937.2	930.3	926.1	925.4	931.7	930.3	919.1	912.8
37.5°	972.9	974.3	986.8	993.1	984.7	979.5	981.2	985.4	985.8	973.6	966.9
40°	1034.0	1034.3	1050.0	1054.9	1044.1	1036.1	1038.5	1047.9	1047.2	1032.2	1023.9
42.5°	1102.4	1101.0	1120.6	1124.8	1110.1	1094.7	1102.1	1116.7	1120.2	1103.5	1094.7
45°	1175.8	1177.8	1198.1	1202.6	1179.6	1160.0	1175.8	1197.8	1202.3	1184.1	1173.3
47.5°	1264.8	1267.2	1291.7	1293.4	1267.2	1241.8	1262.7	1291.3	1293.1	1267.9	1255.4
50°	1366.4	1374.8	1402.0	1405.5	1379.7	1346.9	1376.9	1402.4	1395.7	1362.2	1350.7
52.5°	1481.6	1488.3	1530.9	1545.6	1522.9	1487.6	1511.7	1527.4	1506.1	1462.1	1444.3
55°	1579.8	1590.9	1647.5	1692.2	1709.3	1682.8	1680.0	1656.9	1597.6	1530.5	1512.0
57.5°	1607.4	1618.2	1705.8	1821.1	1922.7	1936.0	1874.5	1758.9	1631.1	1527.7	1508.9
60°	1495.3	1509.9	1638.1	1856.3	2147.9	2268.0	2046.0	1767.6	1544.2	1405.5	1381.8
62.5°	1174.4	1201.6	1367.1	1709.3	2238.7	2570.5	2116.5	1617.1	1281.9	1118.1	1086.7
65°	638.7	662.1	844.7	1273.9	2054.7	2635.1	1943.6	1231.3	838.4	674.0	656.8
67.5°	239.6	256.7	340.5	629.6	1452.7	2252.7	1475.4	705.0	380.6	273.1	249.0
70°	102.0	104.1	123.3	219.3	660.3	1465.6	755.3	239.6	127.1	102.7	99.9
72.5°	73.3	73.7	78.9	97.1	201.1	642.9	228.4	100.6	77.5	69.8	69.8
75°	58.7	59.0	62.2	70.2	95.0	189.3	98.5	70.5	60.1	54.8	54.1
77.5°	46.1	46.8	49.9	54.8	63.6	86.6	66.7	55.5	48.2	43.3	42.6
80°	34.2	35.3	39.5	41.9	44.7	57.6	48.5	43.3	38.4	33.2	32.1
82.5°	22.7	23.7	29.3	31.1	30.7	36.3	33.5	33.2	29.3	22.0	21.0
85°	13.6	14.3	18.9	20.3	18.9	17.8	21.3	23.0	20.6	14.3	13.3
87.5°	5.9	5.9	8.4	8.7	8.4	6.6	10.1	11.9	12.2	7.3	6.6
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)