

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: P672734

Luminaire Tested: **CCP-SA-1E-830-U-5NQ**

Issue Date: 04/16/2023

Test Information

Test Method: LM-79-08
Report Number: P672734
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1E-830-U-5NQ
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @1050mA w/ 5NQ
distribution lens
Light Source: (16) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5653.4 lumens
Efficiency: N/A
Efficacy: 100.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G1

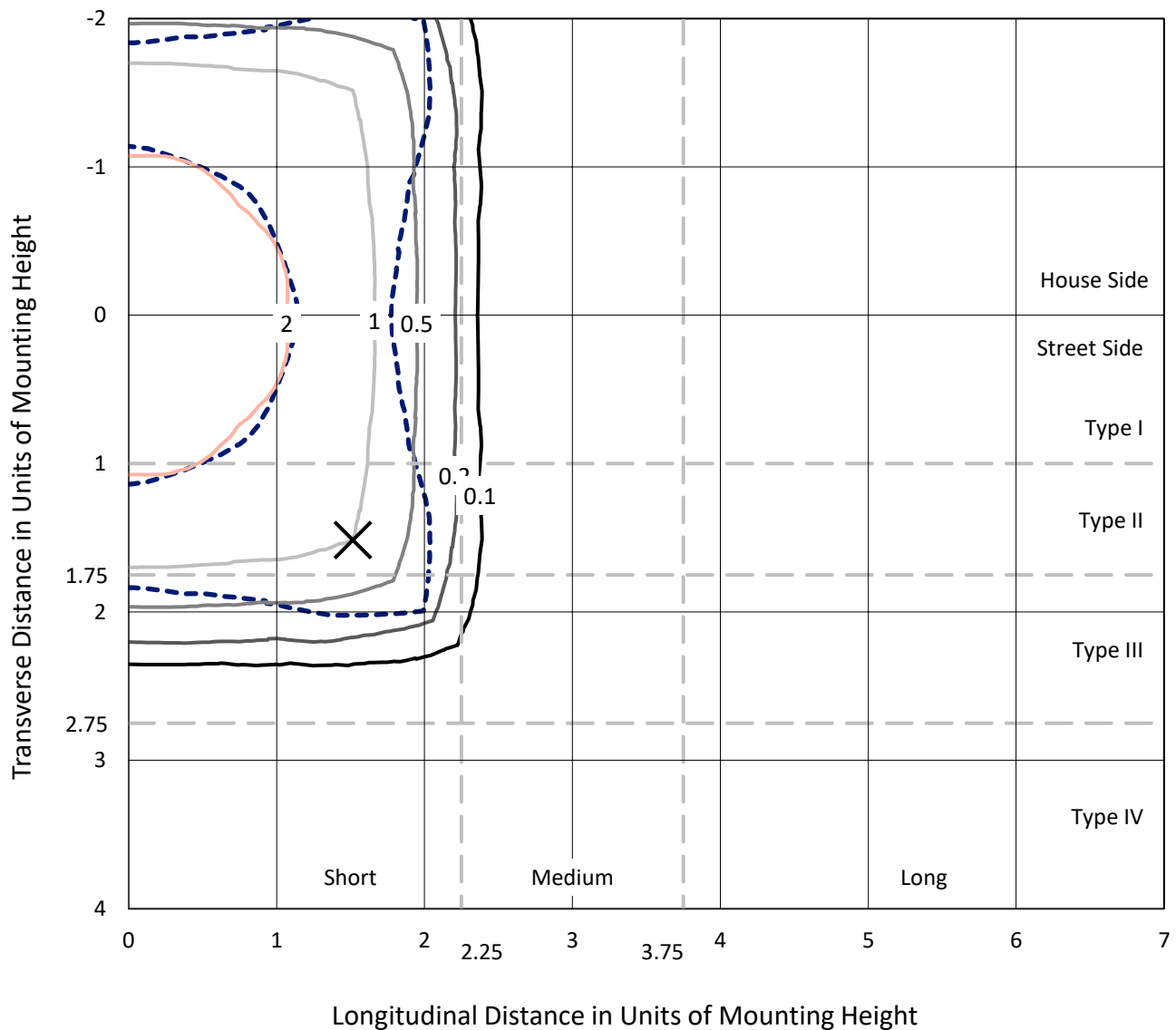
Input Watts (W): 56.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

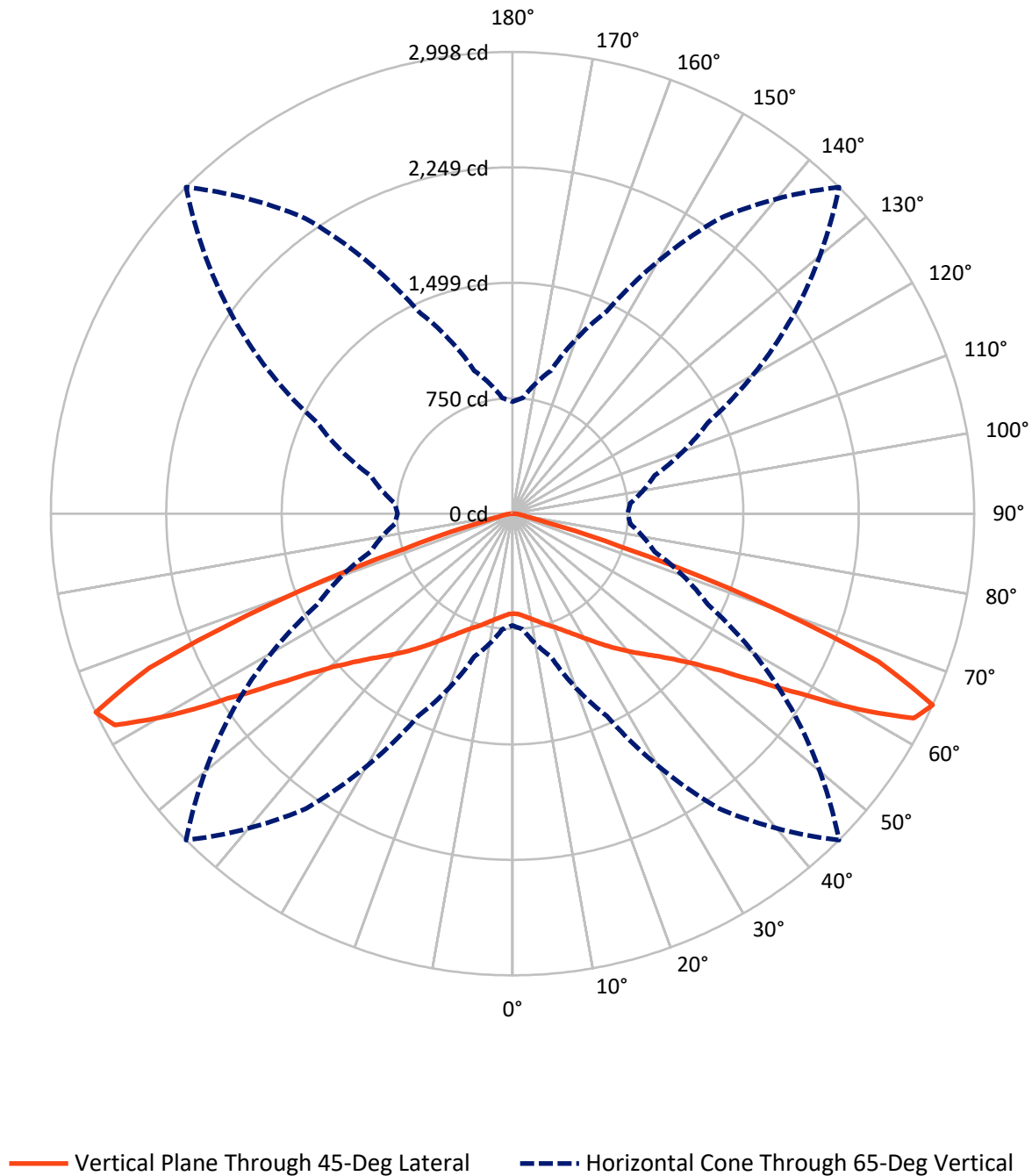


Based on 15 foot mounting height. Maximum calculated value = 3 fc

Type V - Short - N/A

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Luminous Intensity Polar Plot



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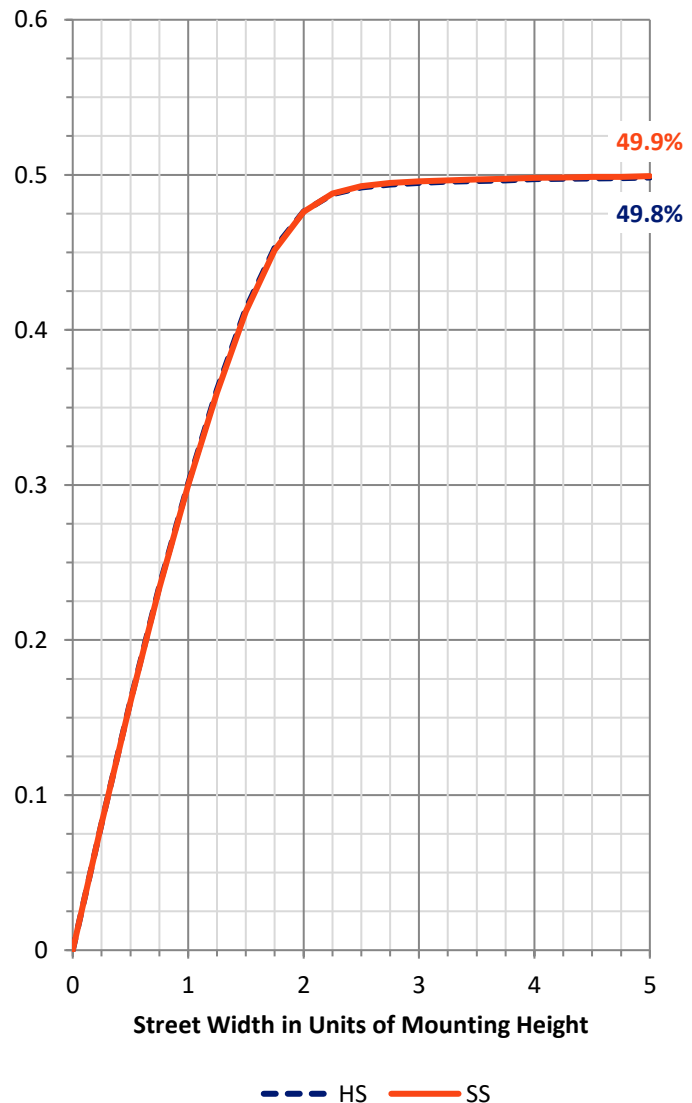
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2826.7	0.0	2826.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2826.7	0.0	2826.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	5653.4	0.0	5653.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	64.4	1.1
10°-20°	210.2	3.7
20°-30°	398.6	7.1
30°-40°	668.5	11.8
40°-50°	1057.8	18.7
50°-60°	1661.9	29.4
60°-70°	1404.2	24.8
70°-80°	163.5	2.9
80°-90°	24.3	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°	5653.4	100.0
0°-180°	5653.4	100.0

Coefficient of Utilization



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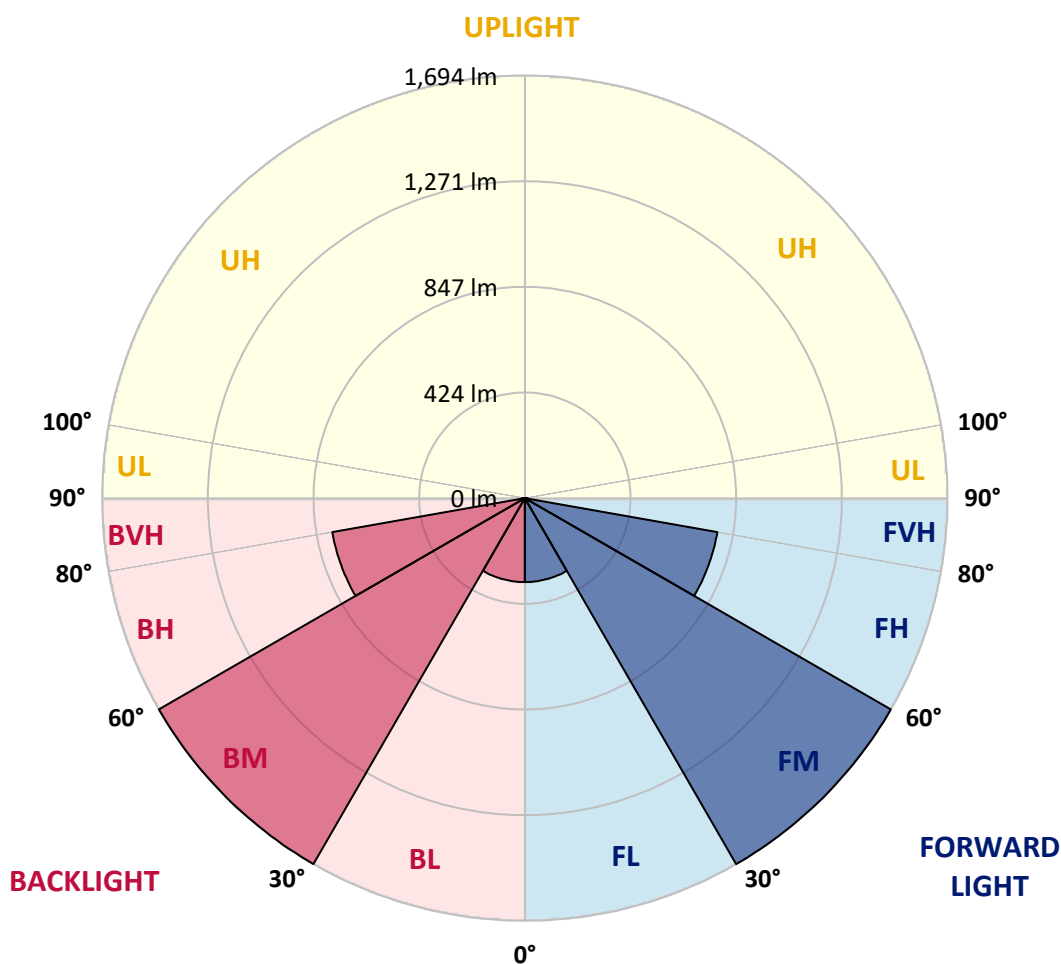
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	336.6	6.0			
FM	(30°-60°)	1694.1	30.0			
FH	(60°-80°)	783.8	13.9			G1/1800
FVH	(80°-90°)	12.2	0.2			G1/100
BL	(0°-30°)	336.6	6.0	B1/500		
BM	(30°-60°)	1694.1	30.0	B2/2500		
BH	(60°-80°)	783.8	13.9	B2/1000		G1/1800
BVH	(80°-90°)	12.2	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°	650.0	650.0	650.0	650.0	650.0	650.0	650.0	650.0	650.0	650.0	650.0
2.5°	653.6	651.6	653.6	653.6	652.4	652.8	651.2	650.8	652.8	651.2	650.8
5°	667.1	665.5	667.1	665.9	663.9	664.3	662.0	661.2	663.5	661.2	661.6
7.5°	682.6	679.8	680.6	681.8	679.8	679.8	677.9	676.7	677.9	675.5	677.1
10°	695.7	693.3	694.5	696.1	695.7	696.9	694.9	694.1	693.0	690.2	692.6
12.5°	712.8	712.0	713.6	715.6	714.8	716.4	712.0	710.8	710.4	707.3	710.0
15°	735.1	733.1	735.9	738.2	737.1	739.8	736.3	734.7	732.7	728.7	731.1
17.5°	757.3	755.7	759.7	760.9	761.3	763.7	760.9	758.5	757.7	754.9	753.3
20°	783.9	782.0	785.1	787.5	785.5	788.3	787.1	785.5	784.7	780.4	780.0
22.5°	813.7	811.0	815.7	818.5	815.7	818.5	816.1	815.7	816.1	809.8	810.6
25°	847.1	847.5	852.3	854.3	852.7	854.3	850.7	853.1	851.9	845.1	842.7
27.5°	890.0	888.4	893.6	899.6	895.6	895.6	894.0	896.4	896.0	889.6	888.0
30°	940.1	939.7	947.2	950.8	945.3	942.9	942.5	948.4	948.8	942.1	939.3
32.5°	992.5	992.5	1001.7	1006.1	998.1	996.5	994.9	1002.9	1001.7	992.5	986.6
35°	1050.2	1047.8	1060.1	1066.4	1058.5	1053.7	1052.9	1060.1	1058.5	1045.8	1038.6
37.5°	1107.0	1108.6	1122.9	1130.0	1120.5	1114.5	1116.5	1121.3	1121.7	1107.8	1100.2
40°	1176.5	1176.9	1194.8	1200.3	1188.0	1178.9	1181.7	1192.4	1191.6	1174.5	1165.0
42.5°	1254.4	1252.8	1275.0	1279.8	1263.1	1245.6	1254.0	1270.7	1274.7	1255.6	1245.6
45°	1337.8	1340.2	1363.3	1368.4	1342.2	1319.9	1337.8	1362.9	1368.0	1347.4	1335.0
47.5°	1439.1	1441.9	1469.7	1471.7	1441.9	1412.9	1436.8	1469.3	1471.3	1442.7	1428.4
50°	1554.8	1564.3	1595.3	1599.3	1569.9	1532.5	1566.7	1595.7	1588.1	1550.0	1536.9
52.5°	1685.9	1693.4	1741.9	1758.6	1732.8	1692.6	1720.1	1737.9	1713.7	1663.6	1643.4
55°	1797.5	1810.3	1874.6	1925.5	1945.0	1914.8	1911.6	1885.4	1817.8	1741.5	1720.5
57.5°	1828.9	1841.2	1941.0	2072.1	2187.7	2202.8	2132.9	2001.4	1856.0	1738.3	1716.9
60°	1701.4	1718.1	1863.9	2112.2	2444.0	2580.7	2328.0	2011.3	1757.0	1599.3	1572.3
62.5°	1336.2	1367.2	1555.6	1945.0	2547.3	2924.8	2408.2	1840.1	1458.6	1272.3	1236.5
65°	726.7	753.3	961.2	1449.5	2337.9	2998.3	2211.6	1401.0	954.0	766.9	747.4
67.5°	272.6	292.0	387.4	716.4	1652.9	2563.2	1678.7	802.2	433.1	310.7	283.3
70°	116.0	118.4	140.3	249.5	751.4	1667.6	859.4	272.6	144.6	116.8	113.6
72.5°	83.4	83.8	89.8	110.5	228.9	731.5	259.9	114.4	88.2	79.5	79.5
75°	66.8	67.1	70.7	79.9	108.1	215.4	112.0	80.3	68.3	62.4	61.6
77.5°	52.4	53.2	56.8	62.4	72.3	98.5	75.9	63.2	54.8	49.3	48.5
80°	38.9	40.1	44.9	47.7	50.9	65.6	55.2	49.3	43.7	37.7	36.6
82.5°	25.8	27.0	33.4	35.4	35.0	41.3	38.1	37.7	33.4	25.0	23.8
85°	15.5	16.3	21.5	23.0	21.5	20.3	24.2	26.2	23.4	16.3	15.1
87.5°	6.8	6.8	9.5	9.9	9.5	7.5	11.5	13.5	13.9	8.3	7.5
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)