

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: P672762

Luminaire Tested: **CCP-SA-2E-840-U-5NQ**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P672762
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2E-840-U-5NQ
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @1050mA w/ 5NQ distribution lens
Light Source: (32) 4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

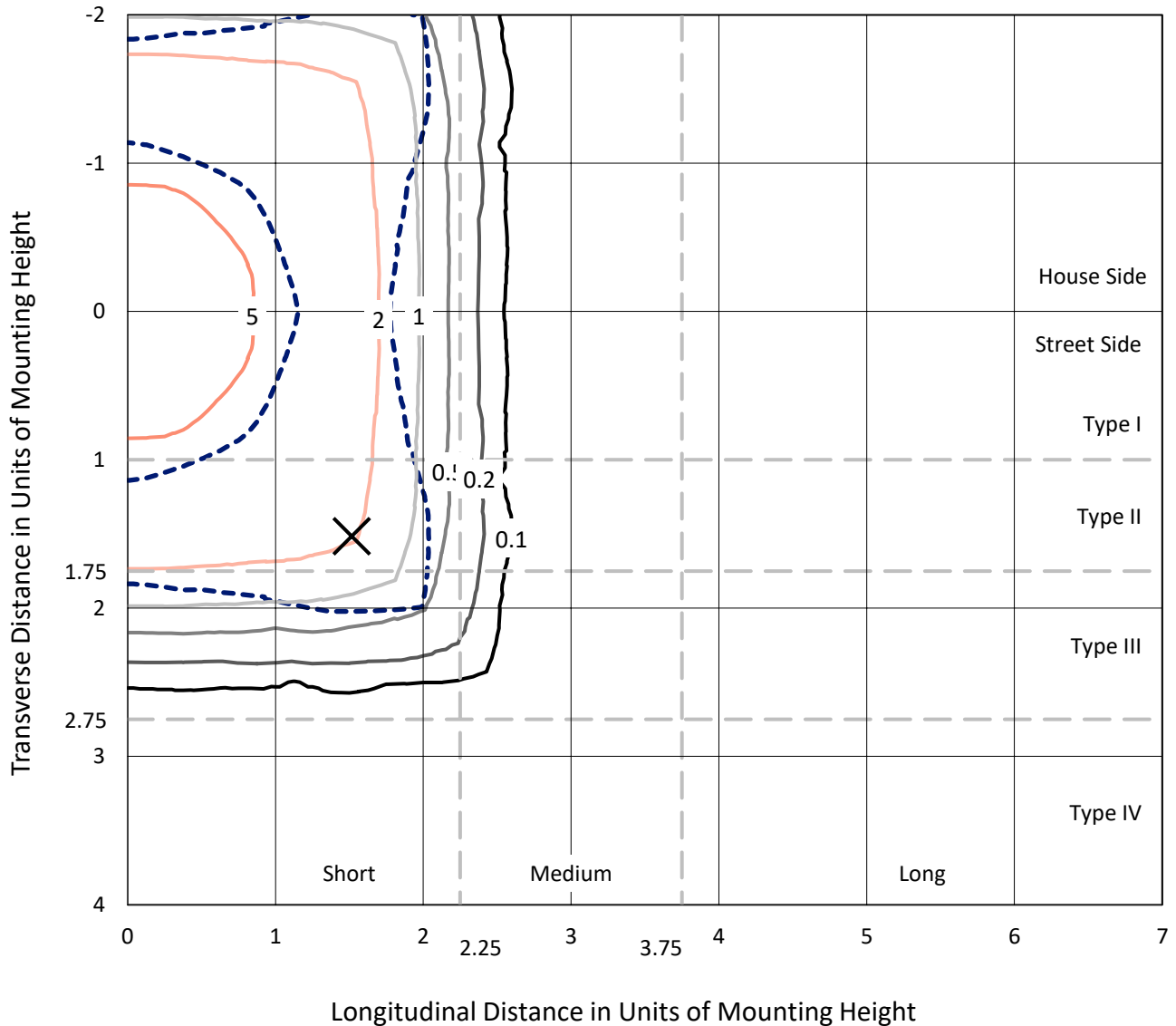
Lumens per Lamp: N/A
Luminaire Lumens: 12131.2 lumens
Efficiency: N/A
Efficacy: 113.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

Input Watts (W): 106.6
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: P672762
 CATALOG NUMBER: CCP-SA-2E-840-U-5NQ

Iso-Footcandle Lines of Horizontal Illumination

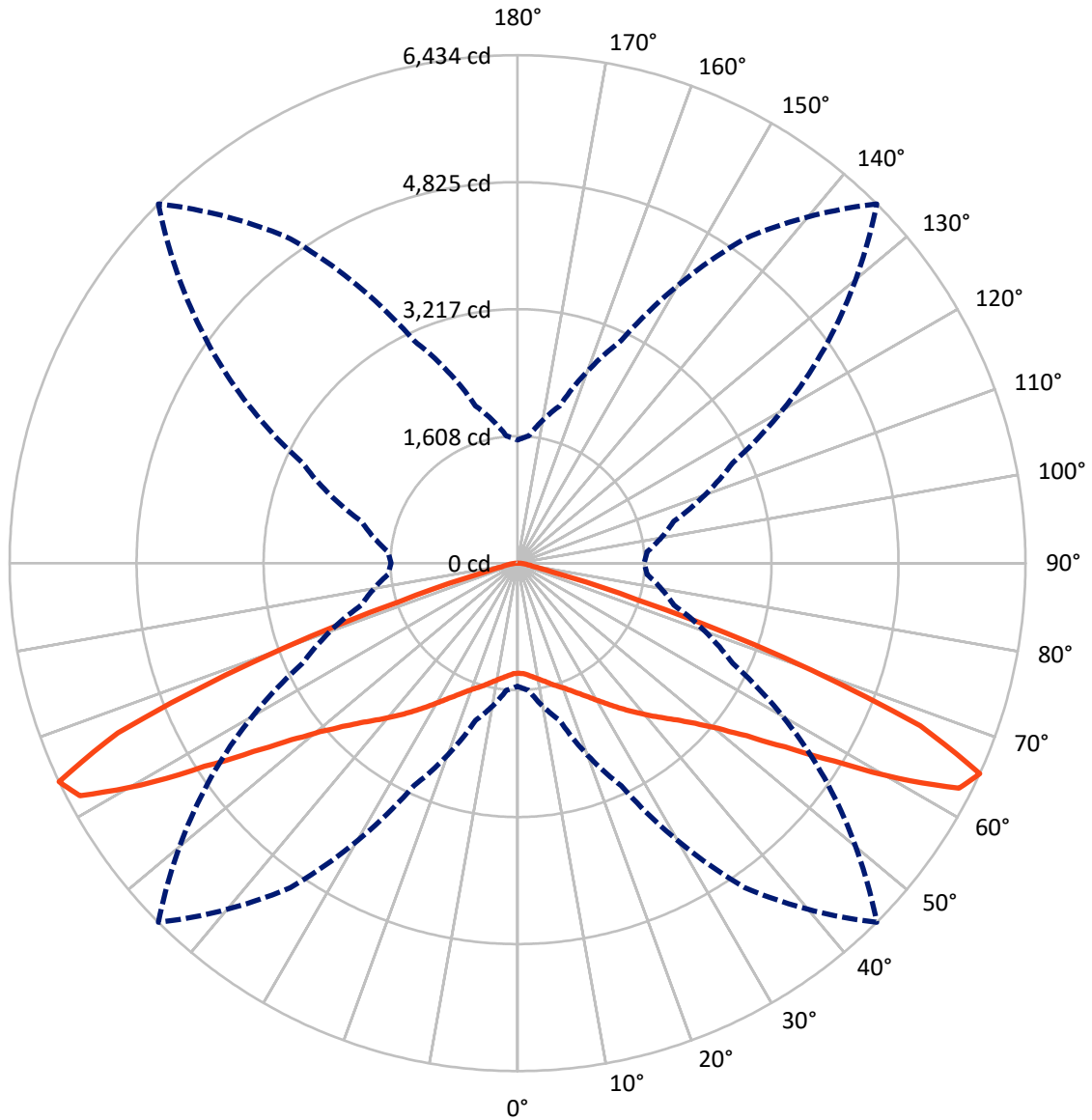
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 6.3 fc
 Type V - Short - N/A

REPORT NUMBER: P672762
CATALOG NUMBER: CCP-SA-2E-840-U-5NQ

Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

REPORT NUMBER: P672762

CATALOG NUMBER: CCP-SA-2E-840-U-5NQ

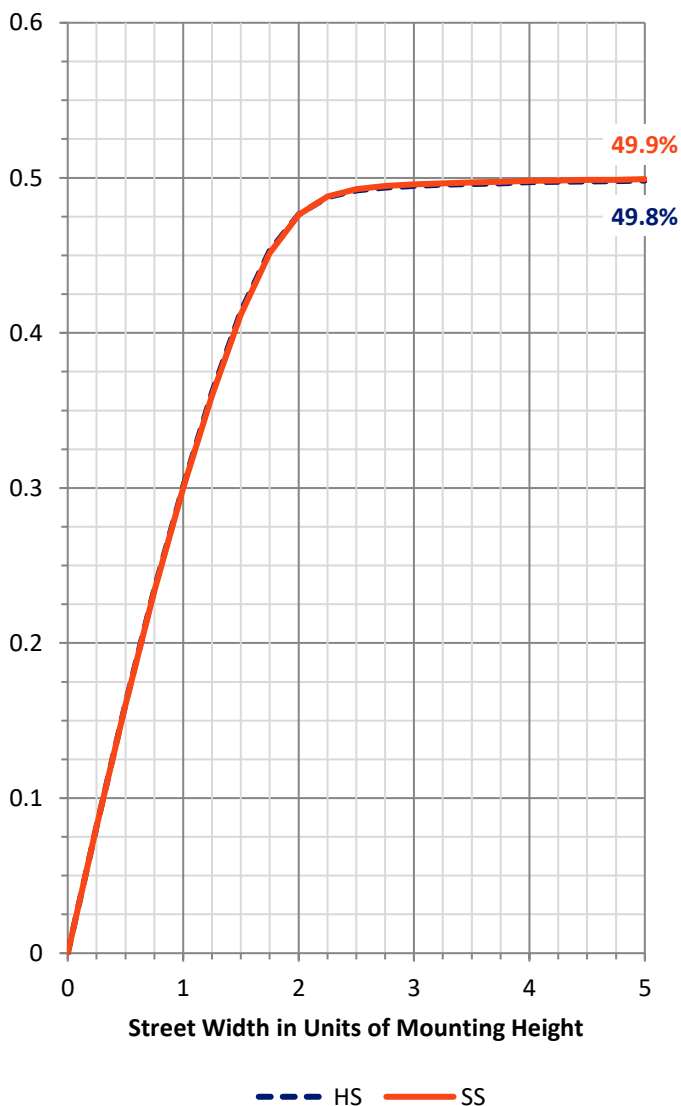
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6065.6	0.0	6065.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6065.6	0.0	6065.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	12131.2	0.0	12131.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	138.1	1.1
10°-20°	451.0	3.7
20°-30°	855.3	7.1
30°-40°	1434.5	11.8
40°-50°	2269.9	18.7
50°-60°	3566.1	29.4
60°-70°	3013.1	24.8
70°-80°	350.8	2.9
80°-90°	52.3	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°	12131.2	100.0
0°-180°	12131.2	100.0



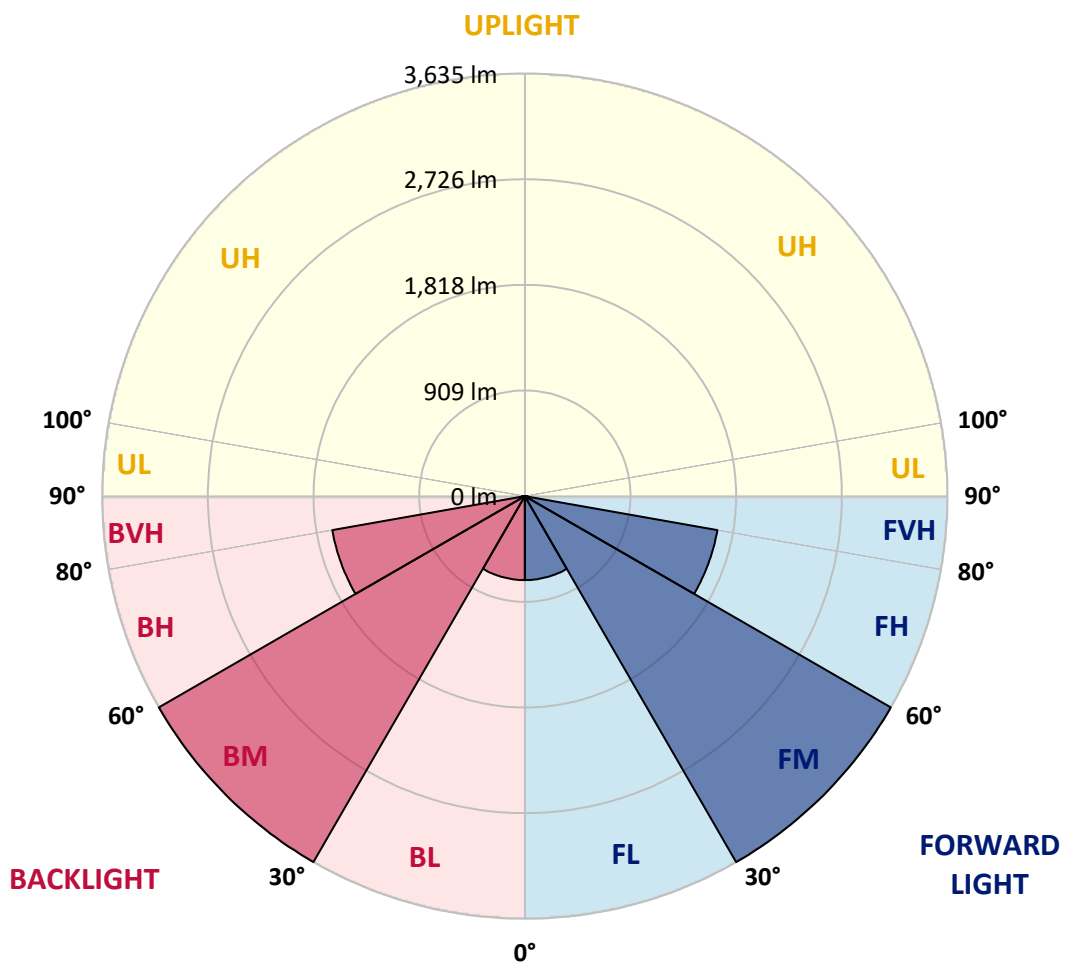
REPORT NUMBER: P672762
 CATALOG NUMBER: CCP-SA-2E-840-U-5NQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	722.2	6.0			
FM (30°-60°)	3635.3	30.0			
FH (60°-80°)	1682.0	13.9			G1/1800
FVH (80°-90°)	26.1	0.2			G1/100
BL (0°-30°)	722.2	6.0	B2/1000		
BM (30°-60°)	3635.3	30.0	B3/5000		
BH (60°-80°)	1682.0	13.9	B3/2500		G1/1800
BVH (80°-90°)	26.1	0.2			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





REPORT NUMBER: P672762

CATALOG NUMBER: CCP-SA-2E-840-U-5NQ

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1394.9	1394.9	1394.9	1394.9	1394.9	1394.9	1394.9	1394.9	1394.9	1394.9	1394.9
2.5°	1402.5	1398.3	1402.5	1402.5	1400.0	1400.8	1397.4	1396.6	1400.8	1397.4	1396.6
5°	1431.5	1428.1	1431.5	1429.0	1424.7	1425.6	1420.5	1418.7	1423.9	1418.7	1419.6
7.5°	1464.8	1458.8	1460.5	1463.1	1458.8	1458.8	1454.6	1452.0	1454.6	1449.4	1452.9
10°	1492.9	1487.8	1490.4	1493.8	1492.9	1495.5	1491.2	1489.5	1487.0	1481.0	1486.1
12.5°	1529.6	1527.9	1531.3	1535.6	1533.8	1537.3	1527.9	1525.3	1524.5	1517.6	1523.6
15°	1577.3	1573.1	1579.0	1584.2	1581.6	1587.6	1579.9	1576.5	1572.2	1563.7	1568.8
17.5°	1625.1	1621.7	1630.2	1632.8	1633.6	1638.7	1632.8	1627.6	1625.9	1620.0	1616.6
20°	1682.2	1677.9	1684.8	1689.9	1685.6	1691.6	1689.0	1685.6	1683.9	1674.5	1673.7
22.5°	1746.1	1740.2	1750.4	1756.4	1750.4	1756.4	1751.3	1750.4	1751.3	1737.6	1739.3
25°	1817.8	1818.6	1828.9	1833.1	1829.7	1833.1	1825.4	1830.6	1828.0	1813.5	1808.4
27.5°	1909.9	1906.4	1917.5	1930.3	1921.8	1921.8	1918.4	1923.5	1922.6	1909.0	1905.6
30°	2017.3	2016.4	2032.6	2040.3	2028.4	2023.2	2022.4	2035.2	2036.0	2021.5	2015.6
32.5°	2129.8	2129.8	2149.4	2158.8	2141.8	2138.4	2134.9	2152.0	2149.4	2129.8	2117.0
35°	2253.5	2248.3	2274.8	2288.4	2271.4	2261.1	2259.4	2274.8	2271.4	2244.1	2228.7
37.5°	2375.4	2378.8	2409.5	2424.8	2404.4	2391.6	2395.8	2406.1	2406.9	2377.1	2360.9
40°	2524.6	2525.4	2563.8	2575.7	2549.3	2529.7	2535.7	2558.7	2557.0	2520.3	2499.9
42.5°	2691.7	2688.3	2736.0	2746.3	2710.5	2672.9	2690.8	2726.7	2735.2	2694.3	2672.9
45°	2870.7	2875.9	2925.3	2936.4	2880.1	2832.4	2870.7	2924.5	2935.5	2891.2	2864.8
47.5°	3088.2	3094.1	3153.8	3158.1	3094.1	3031.9	3083.0	3153.0	3157.2	3095.8	3065.1
50°	3336.3	3356.7	3423.2	3431.8	3368.7	3288.5	3361.9	3424.1	3407.9	3326.0	3297.9
52.5°	3617.6	3633.8	3737.9	3773.7	3718.2	3632.1	3691.0	3729.3	3677.3	3569.9	3526.4
55°	3857.2	3884.5	4022.6	4131.8	4173.5	4108.7	4101.9	4045.6	3900.7	3737.0	3691.8
57.5°	3924.6	3951.0	4165.0	4446.4	4694.5	4726.9	4576.8	4294.6	3982.6	3730.2	3684.1
60°	3650.9	3686.7	3999.6	4532.5	5244.4	5537.7	4995.5	4315.9	3770.3	3431.8	3373.8
62.5°	2867.3	2933.8	3338.0	4173.5	5466.1	6276.1	5167.7	3948.4	3129.9	2730.1	2653.3
65°	1559.4	1616.6	2062.5	3110.3	5016.8	6433.8	4745.6	3006.3	2047.1	1645.5	1603.8
67.5°	584.9	626.7	831.3	1537.3	3546.9	5500.2	3602.3	1721.4	929.3	666.7	607.9
70°	249.0	254.1	301.0	535.4	1612.3	3578.4	1844.2	584.9	310.4	250.7	243.8
72.5°	179.0	179.9	192.7	237.0	491.1	1569.7	557.6	245.6	189.3	170.5	170.5
75°	143.2	144.1	151.8	171.4	231.9	462.1	240.4	172.2	146.6	133.9	132.2
77.5°	112.5	114.3	121.9	133.9	155.2	211.4	162.8	135.6	117.7	105.7	104.0
80°	83.6	86.1	96.3	102.3	109.1	140.7	118.5	105.7	93.8	81.0	78.4
82.5°	55.4	58.0	71.6	75.9	75.0	88.7	81.9	81.0	71.6	53.7	51.2
85°	33.3	35.0	46.0	49.5	46.0	43.5	52.0	56.3	50.3	35.0	32.4
87.5°	14.5	14.5	20.5	21.3	20.5	16.2	24.7	29.0	29.8	17.9	16.2
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)