

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: P672744

Luminaire Tested: **CCP-SA-1D-835-U-5NQ**

Issue Date: 04/16/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P672744  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 04/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCP-SA-1D-835-U-5NQ  
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @800mA w/ 5NQ distribution lens  
Light Source: (16) 3500K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

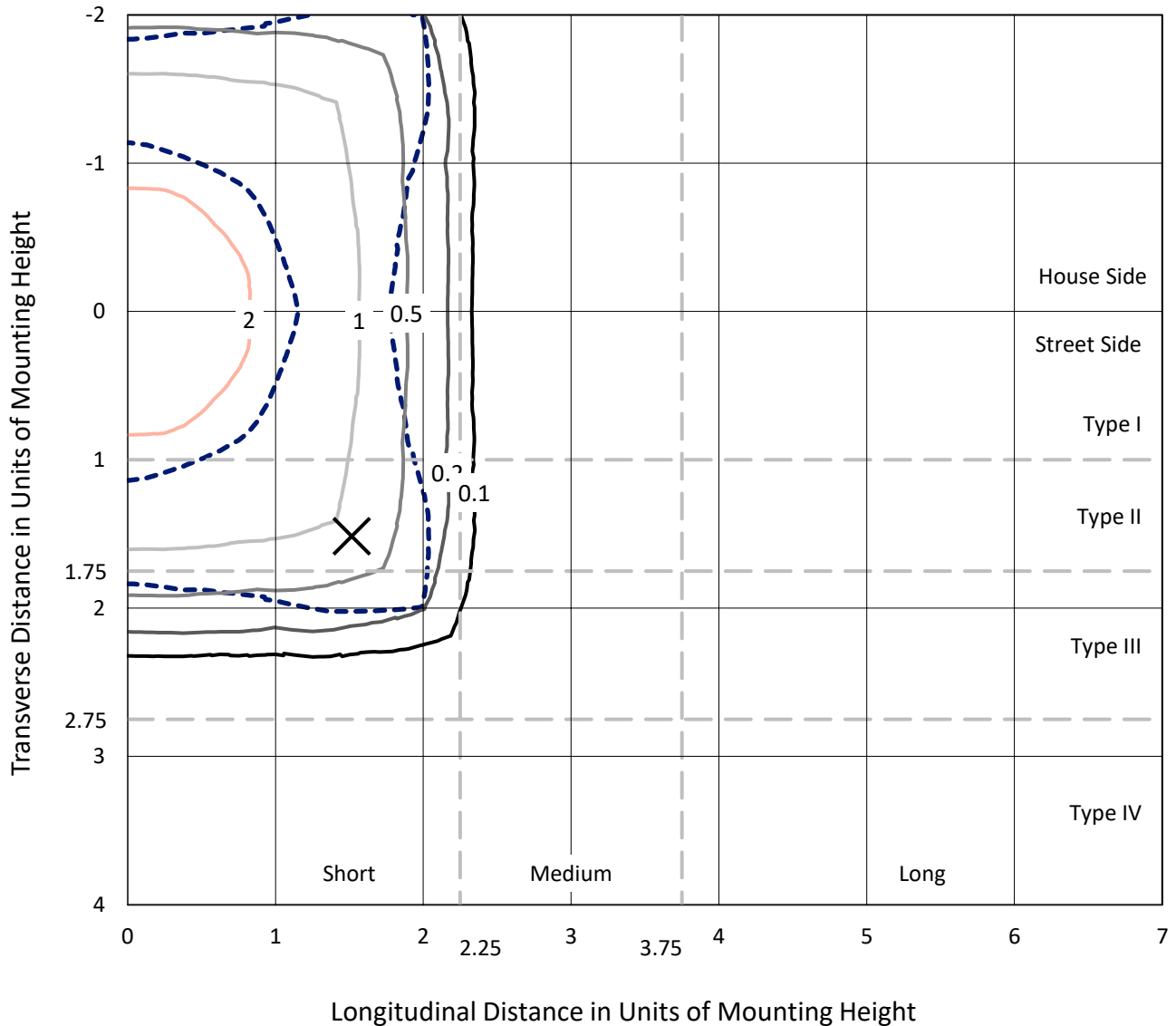
Lumens per Lamp: N/A  
Luminaire Lumens: 4782 lumens  
Efficiency: N/A  
Efficacy: 108.7 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B2 - U0 - G1

Input Watts (W): 44  
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

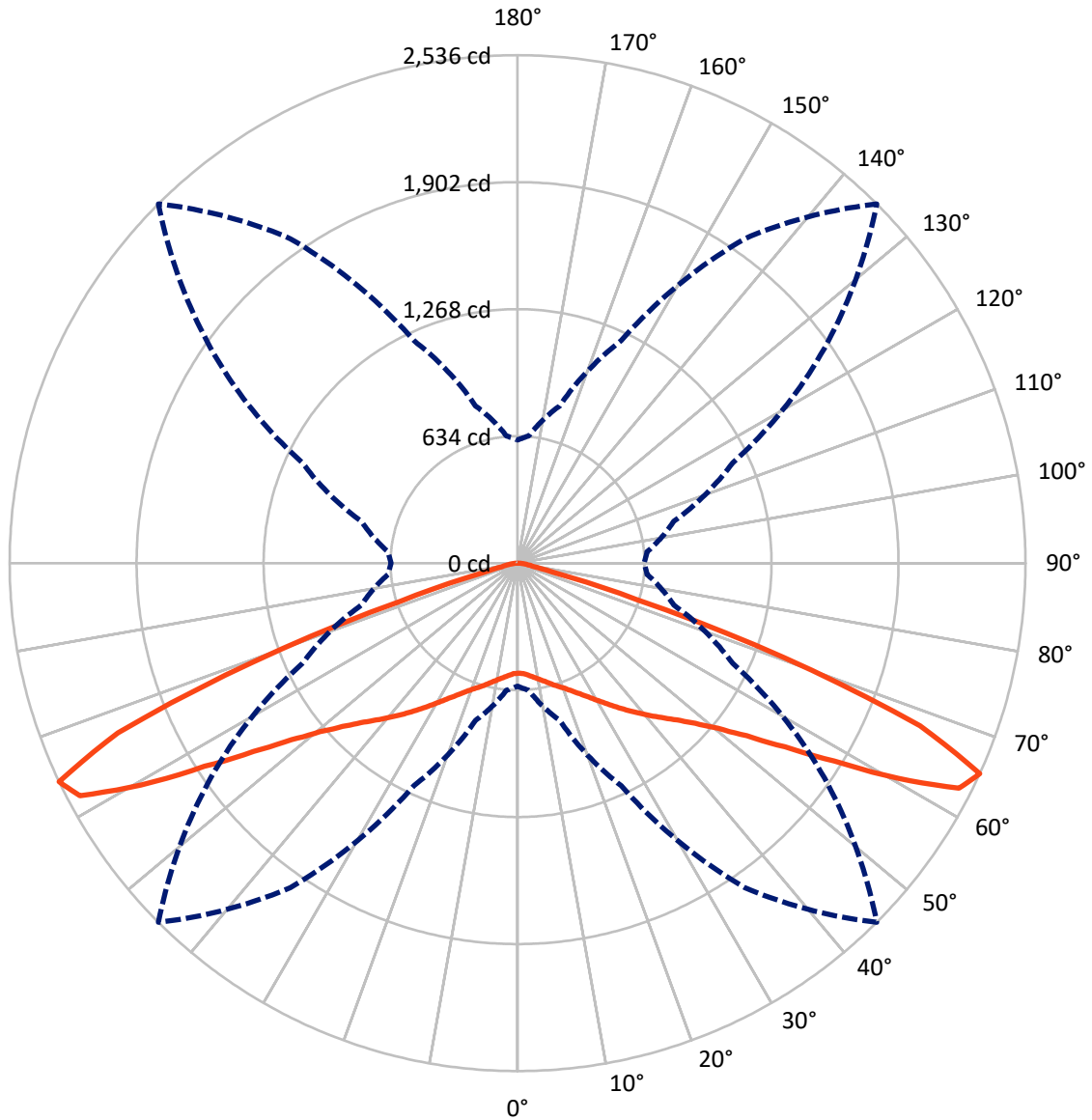
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 2.5 fc  
 Type V - Short - N/A

REPORT NUMBER: P672744  
CATALOG NUMBER: CCP-SA-1D-835-U-5NQ

### Luminous Intensity Polar Plot



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

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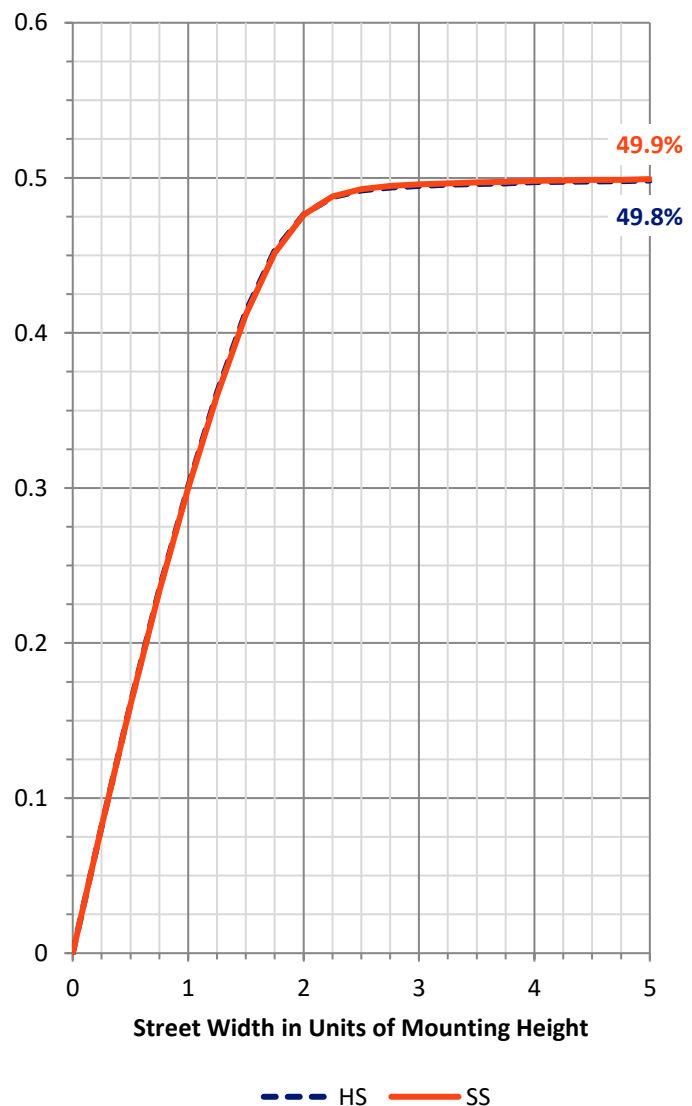
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2391.0	0.0	2391.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	2391.0	0.0	2391.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	4782.0	0.0	4782.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	54.4	1.1
10°-20°	177.8	3.7
20°-30°	337.2	7.1
30°-40°	565.5	11.8
40°-50°	894.8	18.7
50°-60°	1405.7	29.4
60°-70°	1187.7	24.8
70°-80°	138.3	2.9
80°-90°	20.6	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°	4782.0	100.0
0°-180°	4782.0	100.0



REPORT NUMBER: P672744

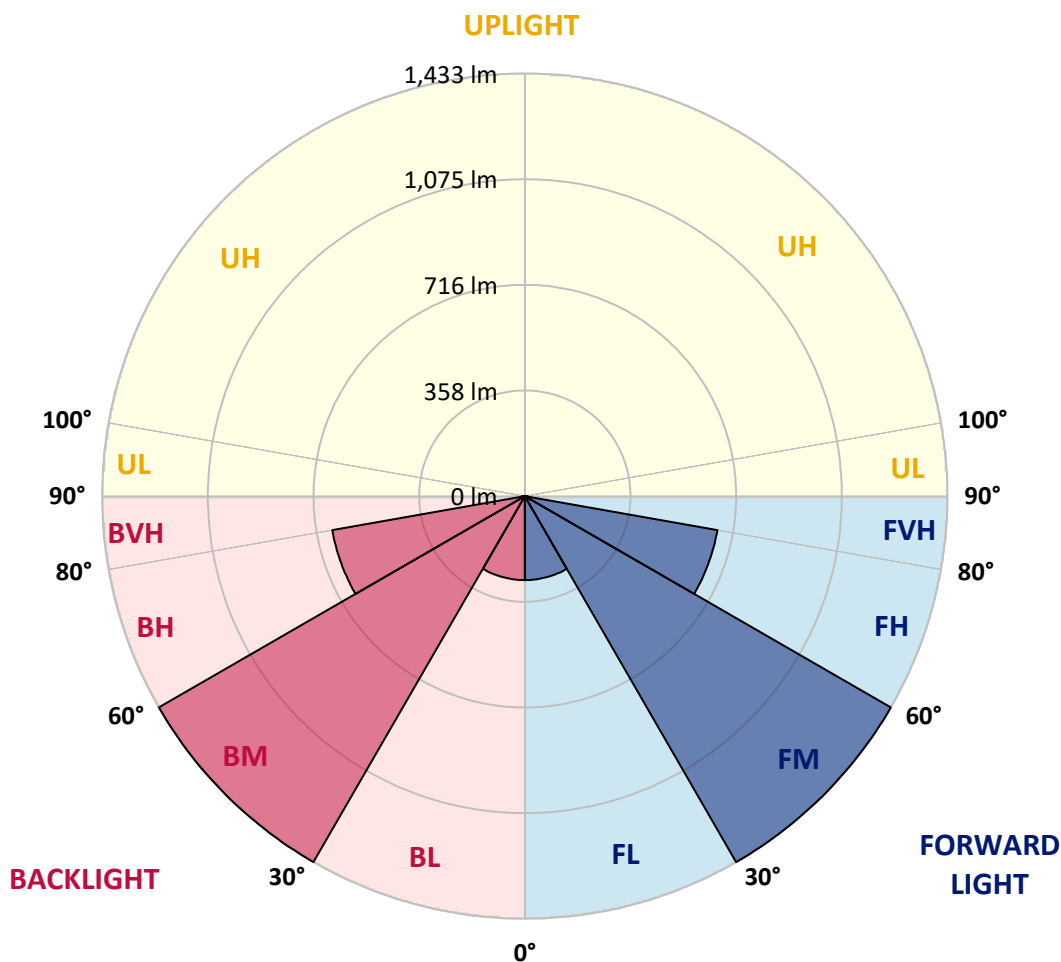
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	284.7	6.0			
FM (30°-60°)	1433.0	30.0			
FH (60°-80°)	663.0	13.9			G1/1800
FVH (80°-90°)	10.3	0.2			G1/100
BL (0°-30°)	284.7	6.0	B1/500		
BM (30°-60°)	1433.0	30.0	B2/2500		
BH (60°-80°)	663.0	13.9	B2/1000		G1/1800
BVH (80°-90°)	10.3	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°	549.8	549.8	549.8	549.8	549.8	549.8	549.8	549.8	549.8	549.8	549.8
2.5°	552.9	551.2	552.9	552.9	551.9	552.2	550.9	550.5	552.2	550.9	550.5
5°	564.3	563.0	564.3	563.3	561.6	561.9	559.9	559.3	561.3	559.3	559.6
7.5°	577.4	575.1	575.7	576.7	575.1	575.1	573.4	572.4	573.4	571.4	572.7
10°	588.5	586.5	587.5	588.8	588.5	589.5	587.8	587.2	586.1	583.8	585.8
12.5°	603.0	602.3	603.6	605.3	604.6	606.0	602.3	601.3	600.9	598.2	600.6
15°	621.8	620.1	622.4	624.5	623.5	625.8	622.8	621.4	619.8	616.4	618.4
17.5°	640.6	639.2	642.6	643.6	644.0	646.0	643.6	641.6	640.9	638.6	637.2
20°	663.1	661.4	664.1	666.1	664.5	666.8	665.8	664.5	663.8	660.1	659.8
22.5°	688.3	686.0	690.0	692.4	690.0	692.4	690.3	690.0	690.3	685.0	685.6
25°	716.6	716.9	720.9	722.6	721.3	722.6	719.6	721.6	720.6	714.9	712.9
27.5°	752.8	751.5	755.9	760.9	757.6	757.6	756.2	758.2	757.9	752.5	751.2
30°	795.2	794.9	801.2	804.3	799.6	797.5	797.2	802.3	802.6	796.9	794.5
32.5°	839.6	839.6	847.3	851.0	844.3	842.9	841.6	848.3	847.3	839.6	834.5
35°	888.3	886.3	896.7	902.1	895.4	891.3	890.6	896.7	895.4	884.6	878.5
37.5°	936.4	937.7	949.8	955.8	947.8	942.7	944.4	948.5	948.8	937.0	930.6
40°	995.2	995.5	1010.6	1015.3	1004.9	997.2	999.5	1008.6	1007.9	993.5	985.4
42.5°	1061.0	1059.7	1078.5	1082.6	1068.4	1053.7	1060.7	1074.8	1078.2	1062.1	1053.7
45°	1131.6	1133.6	1153.1	1157.5	1135.3	1116.5	1131.6	1152.8	1157.2	1139.7	1129.3
47.5°	1217.3	1219.7	1243.2	1244.9	1219.7	1195.1	1215.3	1242.9	1244.6	1220.4	1208.3
50°	1315.1	1323.2	1349.4	1352.8	1327.9	1296.3	1325.2	1349.8	1343.4	1311.1	1300.0
52.5°	1426.0	1432.4	1473.4	1487.5	1465.7	1431.8	1454.9	1470.1	1449.6	1407.2	1390.1
55°	1520.5	1531.2	1585.7	1628.7	1645.2	1619.6	1616.9	1594.8	1537.6	1473.1	1455.3
57.5°	1547.0	1557.5	1641.8	1752.7	1850.5	1863.3	1804.1	1692.9	1569.9	1470.4	1452.3
60°	1439.2	1453.3	1576.6	1786.7	2067.3	2182.9	1969.2	1701.3	1486.2	1352.8	1329.9
62.5°	1130.3	1156.5	1315.8	1645.2	2154.7	2474.0	2037.1	1556.4	1233.8	1076.2	1045.9
65°	614.7	637.2	813.0	1226.1	1977.6	2536.2	1870.7	1185.1	807.0	648.7	632.2
67.5°	230.6	247.0	327.7	606.0	1398.1	2168.1	1420.0	678.6	366.3	262.8	239.6
70°	98.1	100.2	118.6	211.1	635.6	1410.6	727.0	230.6	122.3	98.8	96.1
72.5°	70.6	70.9	76.0	93.4	193.6	618.7	219.8	96.8	74.6	67.2	67.2
75°	56.5	56.8	59.8	67.6	91.4	182.2	94.8	67.9	57.8	52.8	52.1
77.5°	44.4	45.0	48.1	52.8	61.2	83.4	64.2	53.4	46.4	41.7	41.0
80°	32.9	33.9	38.0	40.3	43.0	55.5	46.7	41.7	37.0	31.9	30.9
82.5°	21.8	22.9	28.2	29.9	29.6	35.0	32.3	31.9	28.2	21.2	20.2
85°	13.1	13.8	18.1	19.5	18.1	17.1	20.5	22.2	19.8	13.8	12.8
87.5°	5.7	5.7	8.1	8.4	8.1	6.4	9.7	11.4	11.8	7.1	6.4
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)