

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: P672679

Luminaire Tested: **CCP-SA-1E-735-U-5NQ**

Issue Date: 04/16/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P672679  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 04/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCP-SA-1E-735-U-5NQ  
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @1050mA w/ 5NQ distribution lens  
Light Source: (16) 3500K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

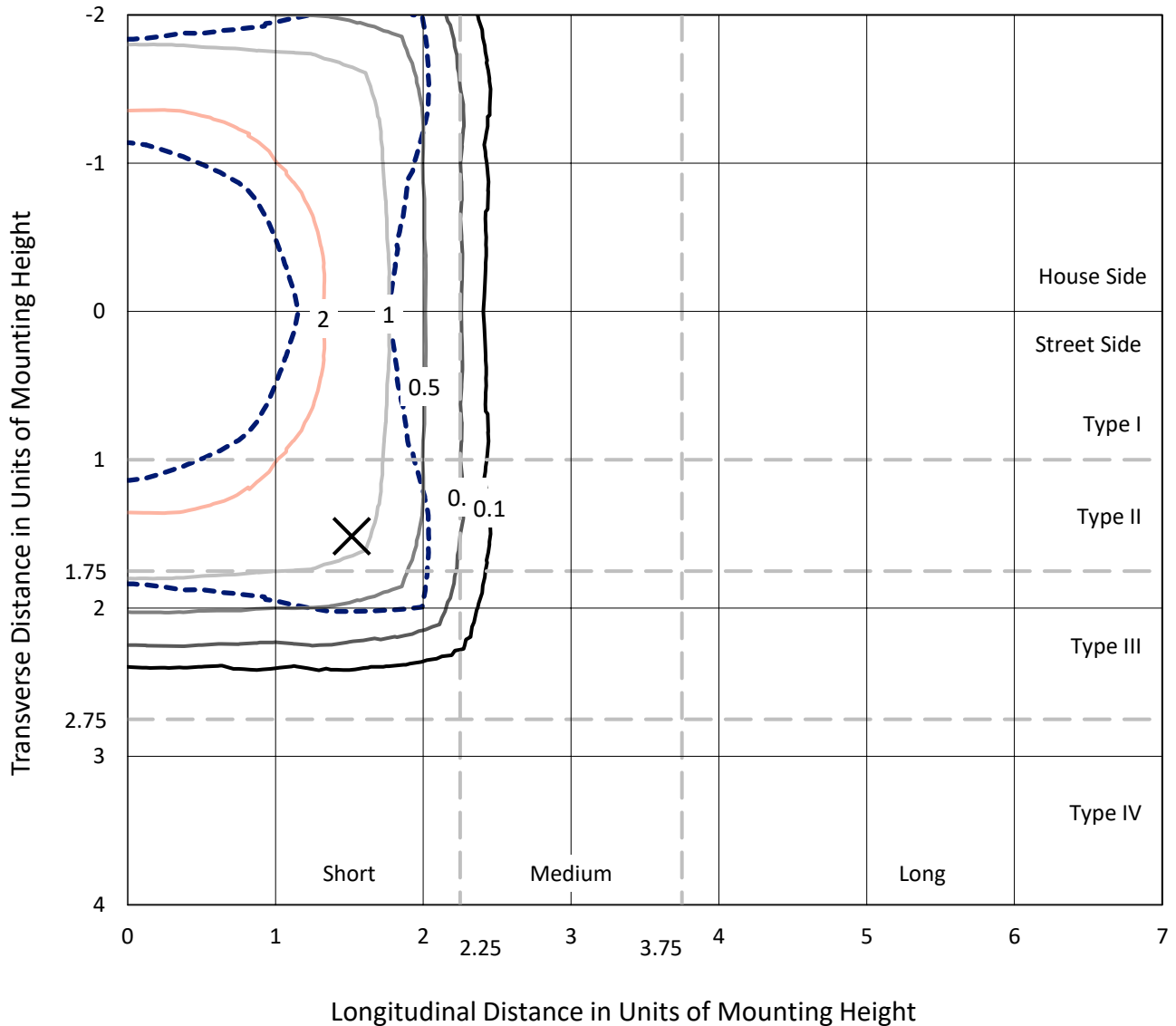
Lumens per Lamp: N/A  
Luminaire Lumens: 7017.3 lumens  
Efficiency: N/A  
Efficacy: 125.1 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B2 - U0 - G1

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

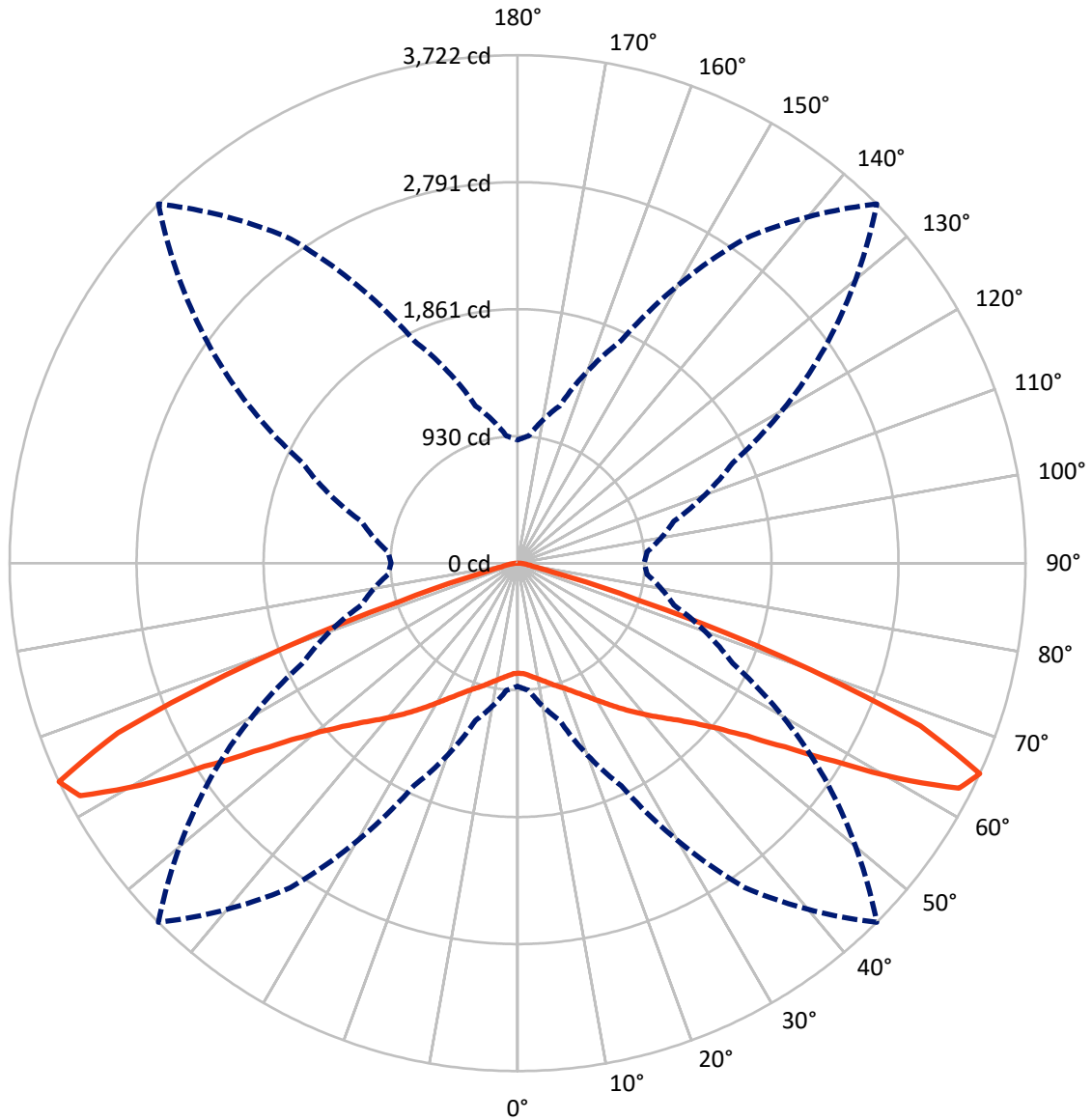
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 3.7 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



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

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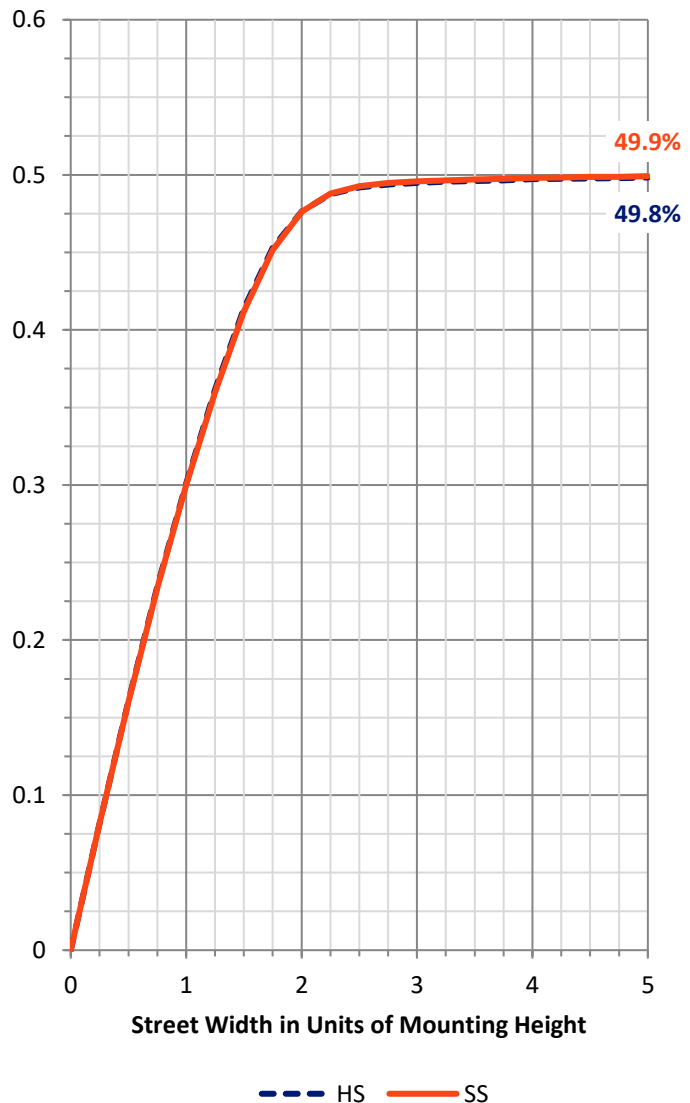
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3508.6	0.0	3508.6
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	3508.6	0.0	3508.6
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	7017.3	0.0	7017.3
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	79.9	1.1
10°-20°	260.9	3.7
20°-30°	494.8	7.1
30°-40°	829.8	11.8
40°-50°	1313.0	18.7
50°-60°	2062.8	29.4
60°-70°	1742.9	24.8
70°-80°	202.9	2.9
80°-90°	30.2	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°	7017.3	100.0
0°-180°	7017.3	100.0



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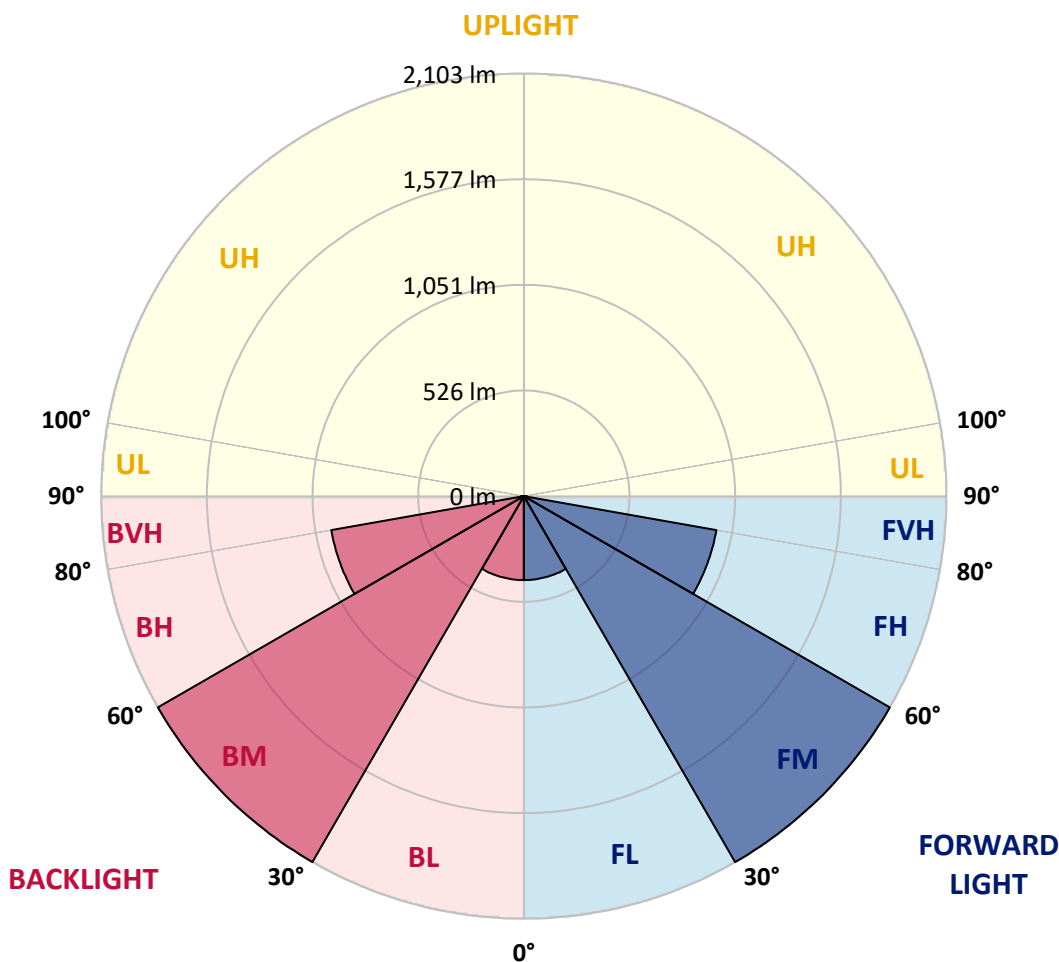
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	417.8	6.0			
FM (30°-60°)	2102.8	30.0			
FH (60°-80°)	972.9	13.9			G1/1800
FVH (80°-90°)	15.1	0.2			G1/100
BL (0°-30°)	417.8	6.0	B1/500		
BM (30°-60°)	2102.8	30.0	B2/2500		
BH (60°-80°)	972.9	13.9	B2/1000		G1/1800
BVH (80°-90°)	15.1	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: 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°	806.9	806.9	806.9	806.9	806.9	806.9	806.9	806.9	806.9	806.9	806.9
2.5°	811.3	808.8	811.3	811.3	809.8	810.3	808.3	807.9	810.3	808.3	807.9
5°	828.1	826.1	828.1	826.6	824.1	824.6	821.7	820.7	823.6	820.7	821.2
7.5°	847.3	843.9	844.8	846.3	843.9	843.9	841.4	839.9	841.4	838.4	840.4
10°	863.6	860.6	862.1	864.1	863.6	865.1	862.6	861.6	860.1	856.7	859.6
12.5°	884.8	883.8	885.8	888.2	887.3	889.2	883.8	882.3	881.8	877.9	881.3
15°	912.4	909.9	913.4	916.4	914.9	918.3	913.9	911.9	909.4	904.5	907.5
17.5°	940.0	938.1	943.0	944.5	945.0	947.9	944.5	941.5	940.5	937.1	935.1
20°	973.1	970.6	974.5	977.5	975.0	978.5	977.0	975.0	974.1	968.6	968.1
22.5°	1010.1	1006.6	1012.5	1016.0	1012.5	1016.0	1013.0	1012.5	1013.0	1005.1	1006.1
25°	1051.5	1052.0	1057.9	1060.4	1058.4	1060.4	1055.9	1058.9	1057.4	1049.0	1046.1
27.5°	1104.8	1102.8	1109.2	1116.6	1111.7	1111.7	1109.7	1112.6	1112.2	1104.3	1102.3
30°	1166.9	1166.4	1175.8	1180.2	1173.3	1170.3	1169.9	1177.3	1177.7	1169.4	1165.9
32.5°	1232.0	1232.0	1243.3	1248.8	1238.9	1236.9	1235.0	1244.8	1243.3	1232.0	1224.6
35°	1303.5	1300.6	1315.8	1323.7	1313.9	1307.9	1307.0	1315.8	1313.9	1298.1	1289.2
37.5°	1374.0	1376.0	1393.8	1402.6	1390.8	1383.4	1385.9	1391.8	1392.3	1375.0	1365.7
40°	1460.3	1460.8	1483.0	1489.9	1474.6	1463.3	1466.8	1480.1	1479.1	1457.9	1446.0
42.5°	1557.0	1555.0	1582.7	1588.6	1567.9	1546.2	1556.5	1577.2	1582.2	1558.5	1546.2
45°	1660.6	1663.5	1692.1	1698.6	1666.0	1638.4	1660.6	1691.7	1698.1	1672.4	1657.1
47.5°	1786.3	1789.8	1824.3	1826.8	1789.8	1753.8	1783.4	1823.8	1826.3	1790.8	1773.0
50°	1929.9	1941.7	1980.2	1985.1	1948.6	1902.2	1944.7	1980.7	1971.3	1923.9	1907.7
52.5°	2092.6	2102.0	2162.2	2182.9	2150.8	2101.0	2135.0	2157.2	2127.1	2065.0	2039.8
55°	2231.2	2247.0	2326.9	2390.0	2414.2	2376.7	2372.8	2340.2	2256.4	2161.7	2135.5
57.5°	2270.2	2285.5	2409.2	2572.0	2715.5	2734.3	2647.5	2484.2	2303.7	2157.7	2131.1
60°	2111.9	2132.6	2313.6	2621.8	3033.6	3203.3	2889.6	2496.5	2180.9	1985.1	1951.6
62.5°	1658.6	1697.1	1930.9	2414.2	3161.9	3630.4	2989.2	2284.0	1810.5	1579.2	1534.8
65°	902.1	935.1	1193.0	1799.2	2901.9	3721.6	2745.1	1739.0	1184.2	951.9	927.7
67.5°	338.3	362.5	480.9	889.2	2051.7	3181.6	2083.7	995.8	537.6	385.7	351.6
70°	144.0	147.0	174.1	309.7	932.6	2069.9	1066.8	338.3	179.5	145.0	141.1
72.5°	103.6	104.1	111.5	137.1	284.1	908.0	322.5	142.0	109.5	98.6	98.6
75°	82.9	83.3	87.8	99.1	134.1	267.3	139.1	99.6	84.8	77.4	76.4
77.5°	65.1	66.1	70.5	77.4	89.8	122.3	94.2	78.4	68.1	61.2	60.2
80°	48.3	49.8	55.7	59.2	63.1	81.4	68.6	61.2	54.3	46.9	45.4
82.5°	32.1	33.5	41.4	43.9	43.4	51.3	47.3	46.9	41.4	31.1	29.6
85°	19.2	20.2	26.6	28.6	26.6	25.2	30.1	32.6	29.1	20.2	18.7
87.5°	8.4	8.4	11.8	12.3	11.8	9.4	14.3	16.8	17.3	10.4	9.4
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)