

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: P672905

Luminaire Tested: **CCP-SA-2D-840-U-RW**

Issue Date: 04/16/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P672905  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 04/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCP-SA-2D-840-U-RW  
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @800mA w/ RW distribution lens  
Light Source: (32) 4000K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

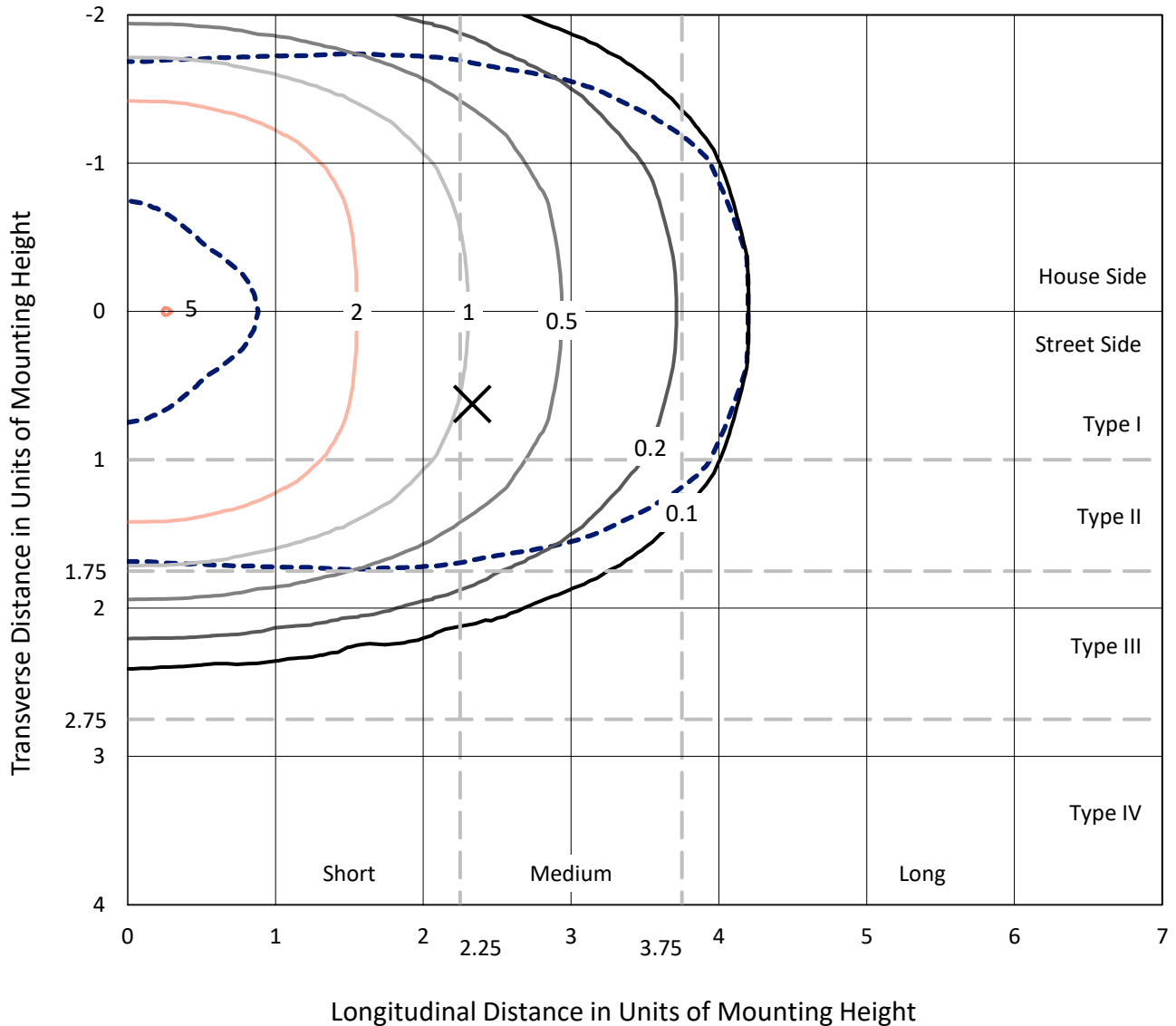
Lumens per Lamp: N/A  
Luminaire Lumens: 9672.7 lumens  
Efficiency: N/A  
Efficacy: 119.7 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B3 - U0 - G3

Input Watts (W): 80.8  
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

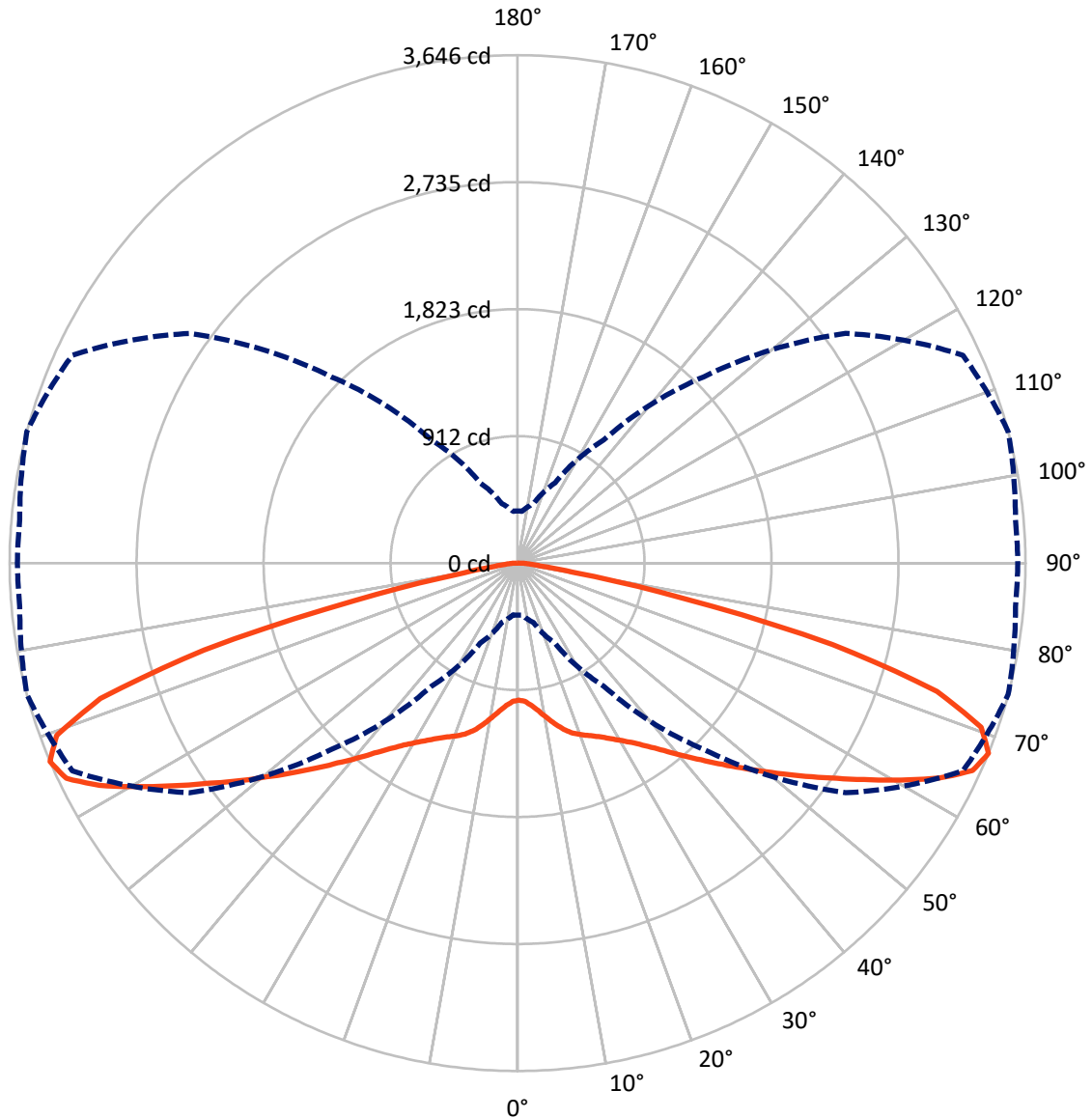
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 5.1 fc  
 Type II - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral      - - - Horizontal Cone Through 67.5-Deg Vertical

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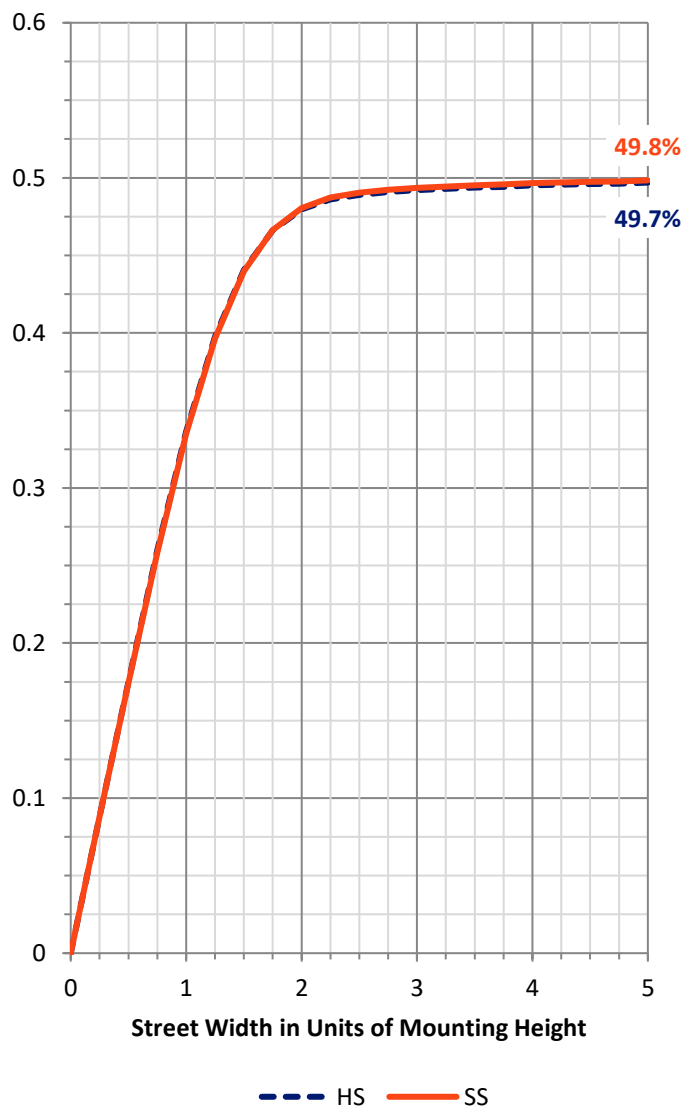
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4836.4	0.0	4836.4
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	4836.4	0.0	4836.4
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	9672.7	0.0	9672.7
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	97.4	1.0
10°-20°	328.1	3.4
20°-30°	640.7	6.6
30°-40°	1105.3	11.4
40°-50°	1790.4	18.5
50°-60°	2434.9	25.2
60°-70°	2246.3	23.2
70°-80°	939.9	9.7
80°-90°	89.7	0.9
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°	9672.7	100.0
0°-180°	9672.7	100.0



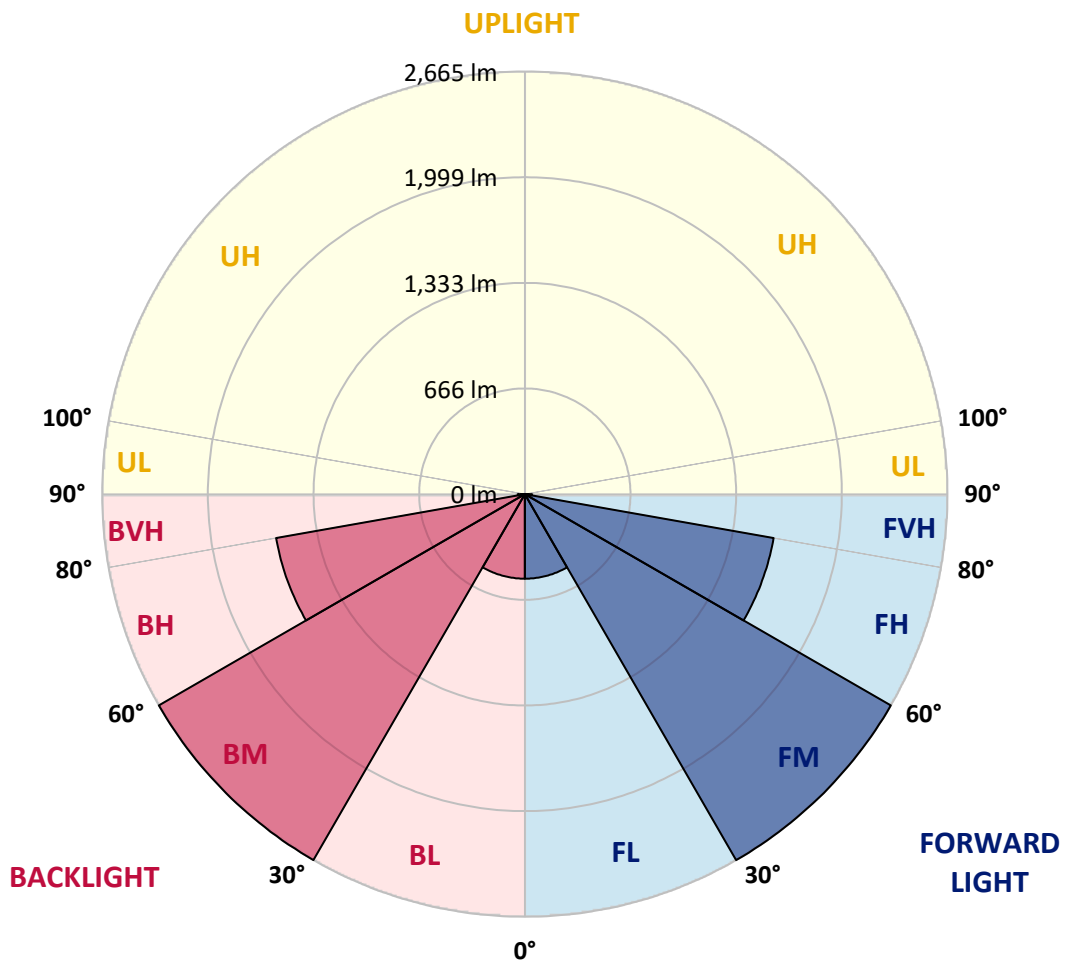
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	533.1	5.5			
FM (30°-60°)	2665.3	27.6			
FH (60°-80°)	1593.1	16.5			G1/1800
FVH (80°-90°)	44.9	0.5			G1/100
BL (0°-30°)	533.1	5.5	B2/1000		
BM (30°-60°)	2665.3	27.6	B3/5000		
BH (60°-80°)	1593.1	16.5	B3/2500		G3/2500
BVH (80°-90°)	44.9	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G3**

Type II Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	984.1	984.1	984.1	984.1	984.1	984.1	984.1	984.1	984.1	984.1	984.1
2.5°	977.8	977.8	980.6	984.1	985.4	988.2	988.9	988.9	993.1	992.4	993.1
5°	975.0	975.0	979.9	986.1	993.1	1001.4	1009.8	1014.7	1025.1	1027.2	1027.9
7.5°	977.8	978.5	985.4	995.9	1007.7	1023.0	1039.0	1052.2	1069.6	1075.9	1080.0
10°	988.2	988.9	998.0	1012.6	1030.7	1052.9	1075.9	1096.7	1124.5	1137.1	1139.1
12.5°	1004.2	1004.9	1018.1	1041.8	1067.5	1095.3	1121.1	1147.5	1182.3	1201.0	1205.2
15°	1028.6	1026.5	1047.3	1082.1	1118.3	1153.1	1176.0	1201.7	1238.6	1262.9	1269.2
17.5°	1061.9	1063.3	1089.1	1133.6	1178.1	1213.6	1236.5	1251.1	1283.1	1308.1	1314.4
20°	1103.7	1109.9	1142.6	1194.1	1246.2	1283.8	1299.8	1297.7	1315.8	1337.3	1342.2
22.5°	1162.8	1167.0	1206.6	1264.3	1324.1	1363.1	1369.3	1346.4	1345.7	1359.6	1365.9
25°	1232.3	1235.8	1277.5	1344.3	1407.6	1448.6	1442.4	1402.7	1381.9	1382.5	1386.7
27.5°	1313.7	1320.7	1363.8	1431.9	1497.3	1534.9	1525.8	1468.1	1427.1	1414.5	1411.8
30°	1419.4	1427.1	1470.9	1536.2	1594.0	1627.3	1613.4	1540.4	1479.2	1458.4	1454.2
32.5°	1557.1	1556.4	1601.6	1664.9	1705.2	1726.8	1699.7	1616.9	1539.7	1511.9	1506.3
35°	1699.0	1705.9	1750.4	1811.6	1842.2	1843.6	1800.5	1707.3	1615.5	1567.5	1557.1
37.5°	1858.9	1862.4	1913.9	1971.6	1991.8	1980.6	1916.7	1813.0	1707.3	1656.6	1638.5
40°	2023.1	2026.5	2086.3	2142.0	2164.2	2137.8	2053.7	1929.9	1815.8	1760.2	1749.7
42.5°	2175.4	2184.4	2251.2	2316.5	2338.1	2307.5	2206.0	2057.8	1930.6	1877.0	1863.1
45°	2301.9	2311.7	2386.8	2470.2	2508.5	2483.4	2368.7	2201.8	2062.7	2005.0	1981.3
47.5°	2397.2	2409.7	2489.7	2589.8	2664.3	2659.4	2541.9	2354.1	2204.6	2136.4	2114.9
50°	2462.6	2475.8	2562.0	2669.8	2781.8	2819.3	2717.8	2522.4	2362.4	2285.9	2271.3
52.5°	2467.4	2479.3	2578.0	2712.2	2861.8	2944.5	2891.0	2699.7	2536.3	2457.0	2446.6
55°	2359.0	2367.3	2498.7	2677.5	2894.5	3040.5	3048.8	2893.1	2722.0	2642.0	2637.1
57.5°	2110.0	2121.8	2279.0	2515.4	2840.2	3102.4	3185.8	3095.4	2932.0	2856.9	2852.7
60°	1704.5	1719.8	1899.3	2213.6	2644.1	3086.4	3302.0	3285.3	3161.5	3088.5	3085.7
62.5°	1202.4	1208.0	1395.1	1741.4	2260.2	2916.7	3358.3	3470.3	3399.3	3325.6	3329.8
65°	706.6	714.2	851.2	1162.8	1714.3	2526.6	3261.0	3598.9	3589.9	3522.4	3529.4
67.5°	373.5	373.5	442.3	635.6	1077.9	1891.6	2873.6	3528.0	3646.2	3587.1	3590.6
70°	258.0	257.3	269.8	319.2	520.9	1172.5	2149.6	3156.6	3531.5	3509.2	3518.3
72.5°	218.4	217.0	217.7	224.6	265.0	529.9	1305.4	2431.3	3148.3	3182.4	3190.0
75°	191.2	189.2	187.8	186.4	189.9	240.6	595.3	1500.1	2333.9	2548.1	2543.9
77.5°	164.8	163.4	162.0	157.2	151.6	157.9	243.4	674.6	1200.3	1416.6	1401.3
80°	135.6	135.6	137.7	130.7	120.3	116.1	145.3	251.8	398.5	415.9	382.5
82.5°	106.4	106.4	116.8	107.1	94.6	84.1	100.8	134.2	162.0	131.4	107.1
85°	75.1	75.8	97.4	89.0	73.0	48.7	62.6	80.0	91.1	57.7	45.2
87.5°	30.6	32.7	60.5	48.0	45.9	24.3	29.2	35.5	45.2	24.3	19.5
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)