

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: P672584

Luminaire Tested: **CCP-SA-2D-827-U-5MQ**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P672584
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2D-827-U-5MQ
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @800mA w/ 5MQ distribution lens
Light Source: (32) 2700K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

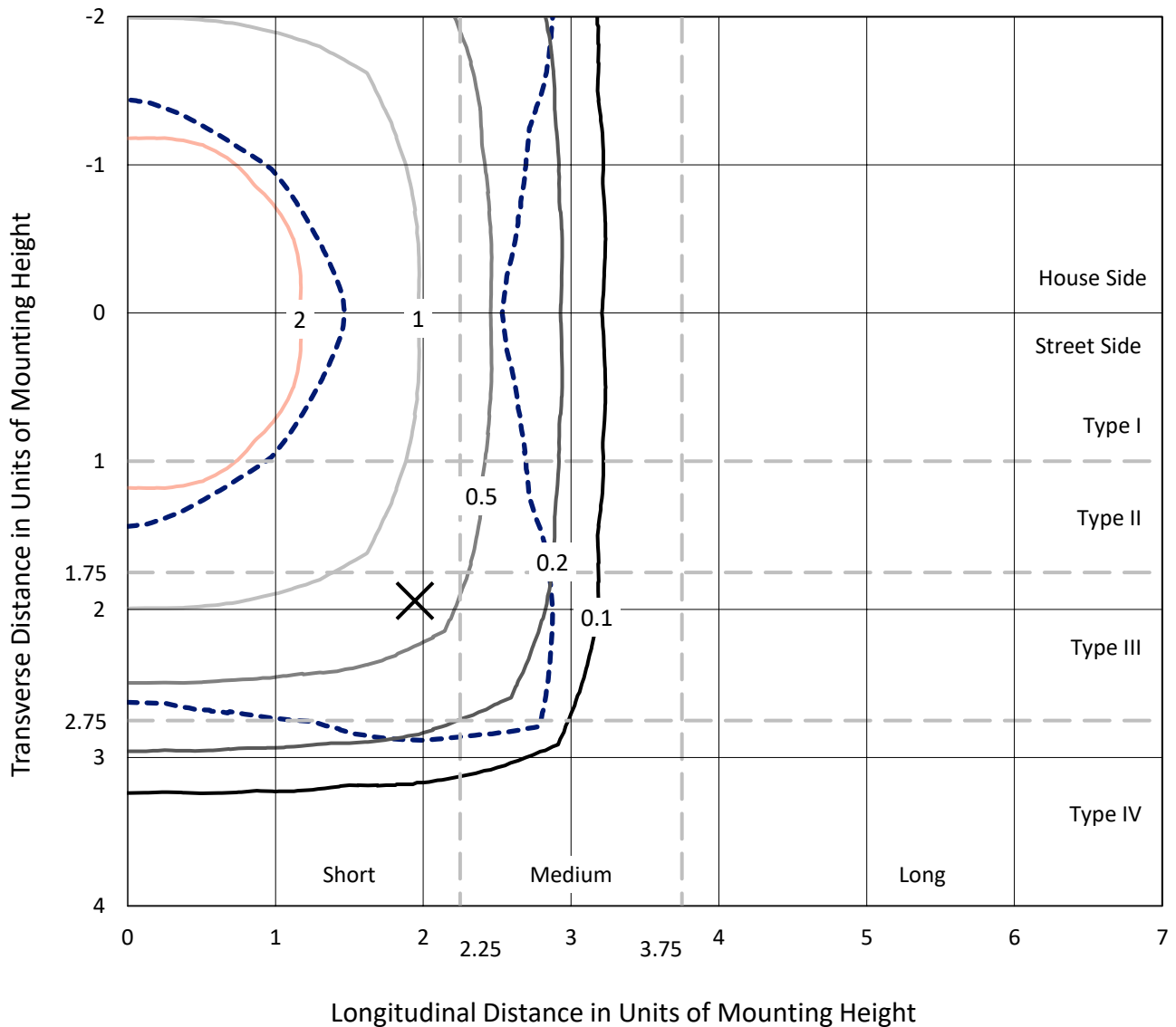
Lumens per Lamp: N/A
Luminaire Lumens: 8462.8 lumens
Efficiency: N/A
Efficacy: 104.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G2

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

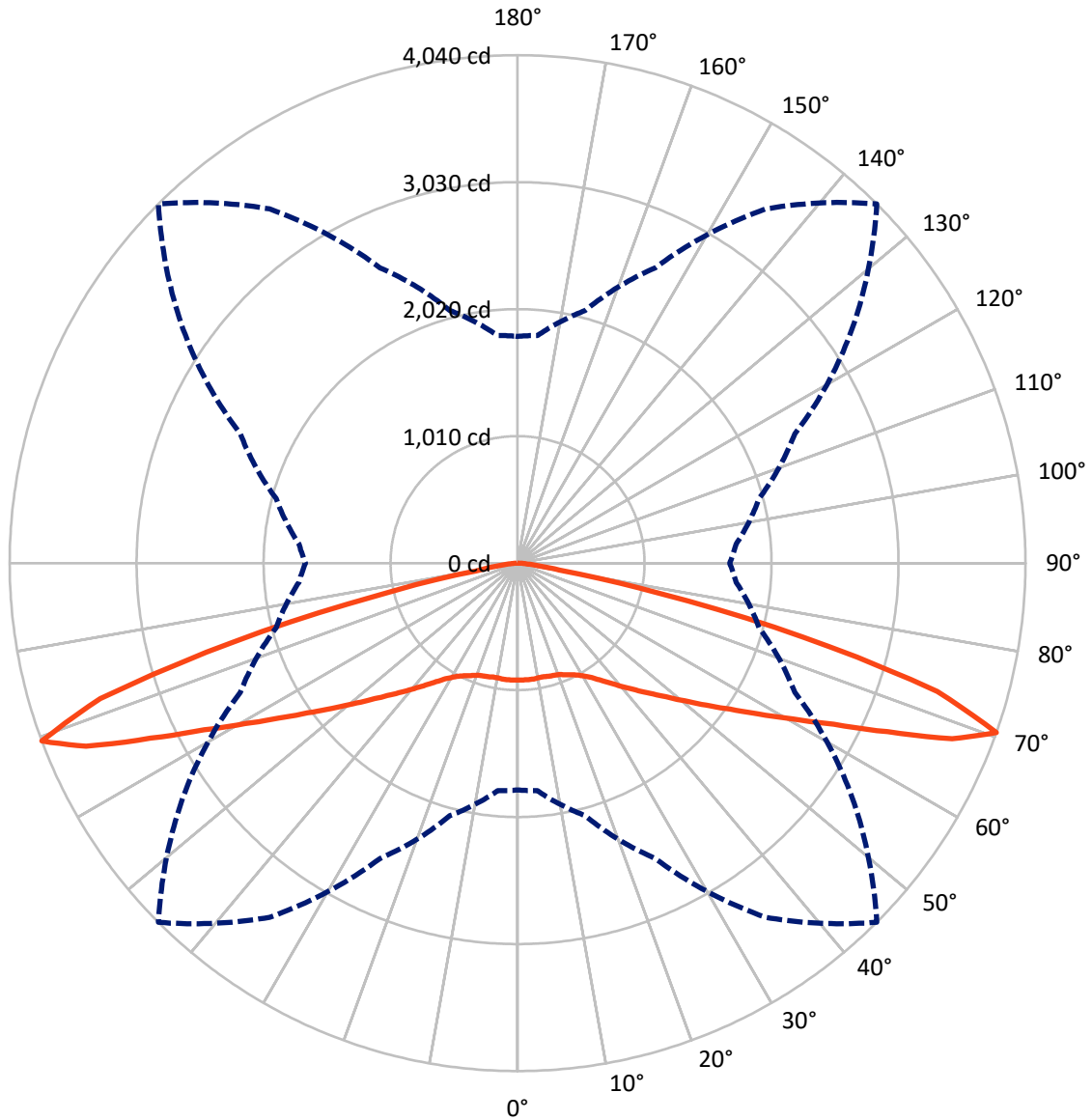
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 4.1 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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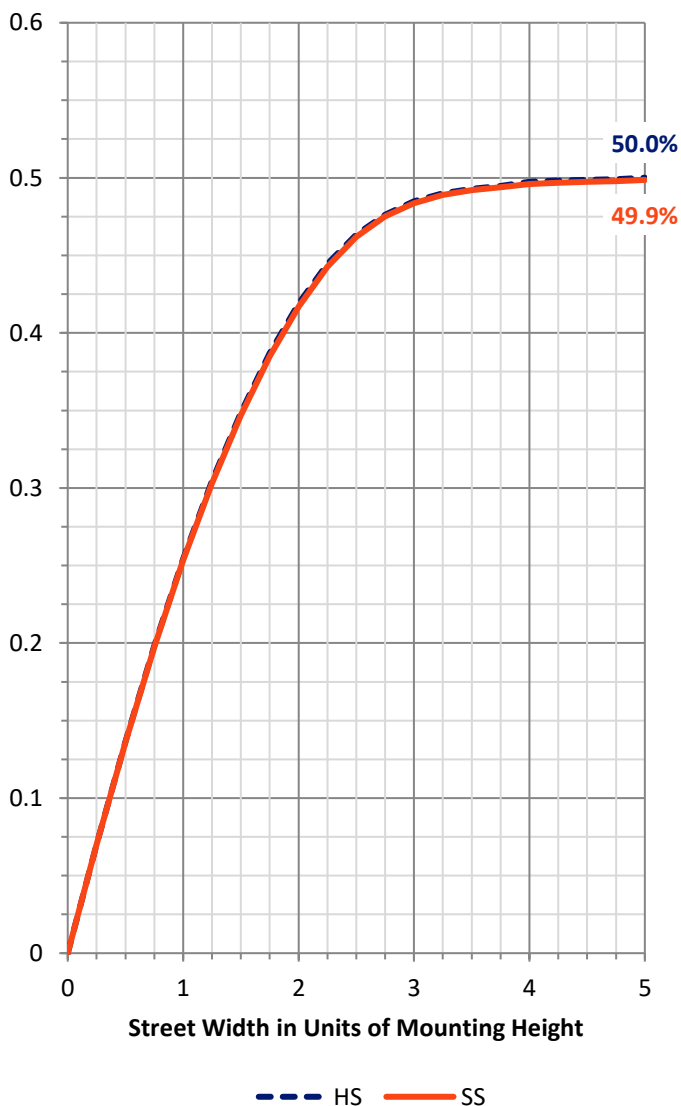
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4231.4	0.0	4231.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4231.4	0.0	4231.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	8462.8	0.0	8462.8
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	88.5	1.0
10°-20°	262.0	3.1
20°-30°	447.4	5.3
30°-40°	714.0	8.4
40°-50°	1152.1	13.6
50°-60°	1844.9	21.8
60°-70°	2700.9	31.9
70°-80°	1187.8	14.0
80°-90°	65.1	0.8
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°	8462.8	100.0
0°-180°	8462.8	100.0



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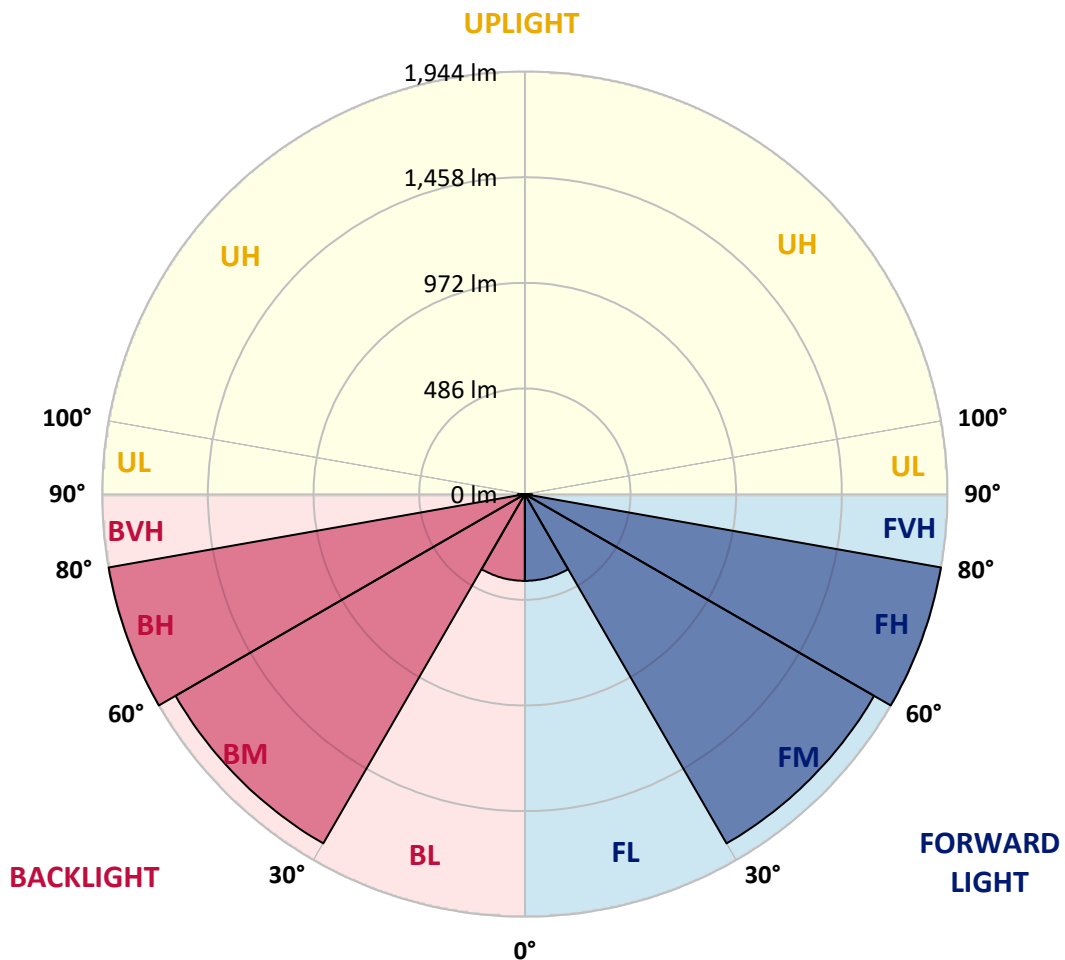
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	399.0	4.7			
FM (30°-60°)	1855.5	21.9			
FH (60°-80°)	1944.3	23.0			G2/5000
FVH (80°-90°)	32.6	0.4			G1/100
BL (0°-30°)	399.0	4.7	B1/500		
BM (30°-60°)	1855.5	21.9	B2/2500		
BH (60°-80°)	1944.3	23.0	B3/2500		G2/5000
BVH (80°-90°)	32.6	0.4			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	930.6	930.6	930.6	930.6	930.6	930.6	930.6	930.6	930.6	930.6	930.6
2.5°	929.4	928.8	930.0	930.6	929.4	930.0	926.4	926.4	928.2	926.4	928.8
5°	933.6	932.4	933.6	933.6	930.6	930.6	926.4	925.2	926.4	923.4	925.8
7.5°	934.2	931.8	933.6	933.0	930.6	930.6	924.6	922.2	922.8	919.8	921.6
10°	928.2	927.0	929.4	928.2	926.4	926.4	921.6	918.0	918.0	915.0	916.8
12.5°	924.6	923.4	926.4	927.0	925.8	926.4	920.4	915.6	913.8	910.2	911.4
15°	924.6	922.2	927.0	928.2	929.4	933.6	924.6	916.2	912.6	907.8	909.0
17.5°	924.0	922.8	928.2	932.4	933.6	938.4	928.2	919.2	915.0	907.8	909.0
20°	924.0	923.4	930.0	937.8	941.4	945.6	934.8	926.4	919.2	911.4	911.4
22.5°	927.0	926.4	935.4	946.8	957.0	964.2	951.6	937.8	928.2	918.0	916.8
25°	939.6	938.4	949.2	963.0	976.8	984.0	971.4	957.6	943.8	932.4	931.2
27.5°	965.4	964.8	975.6	992.4	1002.0	1007.4	996.6	984.6	970.8	957.6	957.0
30°	1000.2	1000.2	1014.0	1031.4	1036.8	1041.0	1030.2	1021.8	1007.4	993.0	991.8
32.5°	1042.2	1044.6	1060.7	1079.9	1083.5	1085.9	1074.5	1069.1	1053.6	1038.0	1035.6
35°	1097.3	1097.9	1117.7	1136.9	1141.7	1144.1	1130.9	1126.1	1111.7	1094.9	1091.3
37.5°	1167.5	1165.7	1184.3	1205.9	1210.7	1213.7	1202.9	1199.3	1181.3	1164.5	1159.1
40°	1246.0	1247.2	1268.2	1288.6	1291.6	1292.8	1287.4	1282.0	1265.2	1246.0	1239.4
42.5°	1337.2	1337.2	1361.8	1385.7	1385.7	1379.7	1377.4	1376.2	1360.0	1338.4	1331.2
45°	1441.5	1442.7	1473.3	1491.3	1492.5	1476.3	1478.7	1485.9	1470.3	1442.7	1433.1
47.5°	1556.0	1557.8	1593.8	1613.6	1610.0	1589.0	1602.2	1605.8	1587.8	1552.4	1539.9
50°	1676.6	1682.0	1722.1	1756.9	1752.1	1721.5	1738.9	1740.1	1710.7	1670.0	1652.6
52.5°	1806.7	1819.3	1872.6	1909.8	1914.6	1876.2	1891.2	1890.0	1852.3	1796.5	1785.1
55°	1968.0	1975.2	2027.9	2080.7	2098.7	2051.3	2068.1	2059.7	2008.8	1945.2	1926.0
57.5°	2129.3	2140.1	2207.8	2267.2	2303.2	2263.0	2266.6	2245.0	2180.9	2104.1	2094.5
60°	2320.6	2325.4	2400.3	2477.7	2540.0	2516.0	2499.3	2454.3	2378.7	2302.0	2288.2
62.5°	2477.1	2486.7	2598.2	2712.1	2817.7	2821.9	2770.9	2703.7	2583.2	2454.9	2427.3
65°	2520.2	2535.8	2692.3	2917.2	3136.7	3234.4	3094.7	2889.6	2620.4	2426.7	2385.3
67.5°	2319.4	2349.4	2573.0	2946.6	3433.5	3726.7	3352.5	2801.5	2425.5	2199.4	2159.9
70°	1803.7	1816.9	2079.5	2592.2	3438.3	4039.7	3248.8	2432.7	1988.4	1745.5	1687.4
72.5°	958.2	964.8	1201.7	1745.5	2797.9	3489.8	2684.5	1702.4	1170.5	949.8	883.3
75°	309.4	317.8	413.7	714.8	1543.4	2345.2	1583.0	708.2	403.6	325.6	308.2
77.5°	157.7	157.1	174.5	230.3	519.3	1149.5	549.3	248.2	174.5	156.5	151.7
80°	98.3	96.5	109.7	125.9	181.7	335.8	197.3	139.1	110.3	94.7	94.1
82.5°	55.8	55.8	73.8	81.0	102.5	138.5	115.1	95.3	75.6	56.4	54.6
85°	31.2	27.6	46.2	51.0	58.8	68.4	70.2	61.8	51.0	31.2	32.4
87.5°	11.4	12.6	21.6	20.4	23.4	16.2	28.8	32.4	28.8	15.0	12.6
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)