

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: P672585

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

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P672585
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2E-827-U-5MQ
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @1050mA w/ 5MQ
distribution lens
Light Source: (32) 2700K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

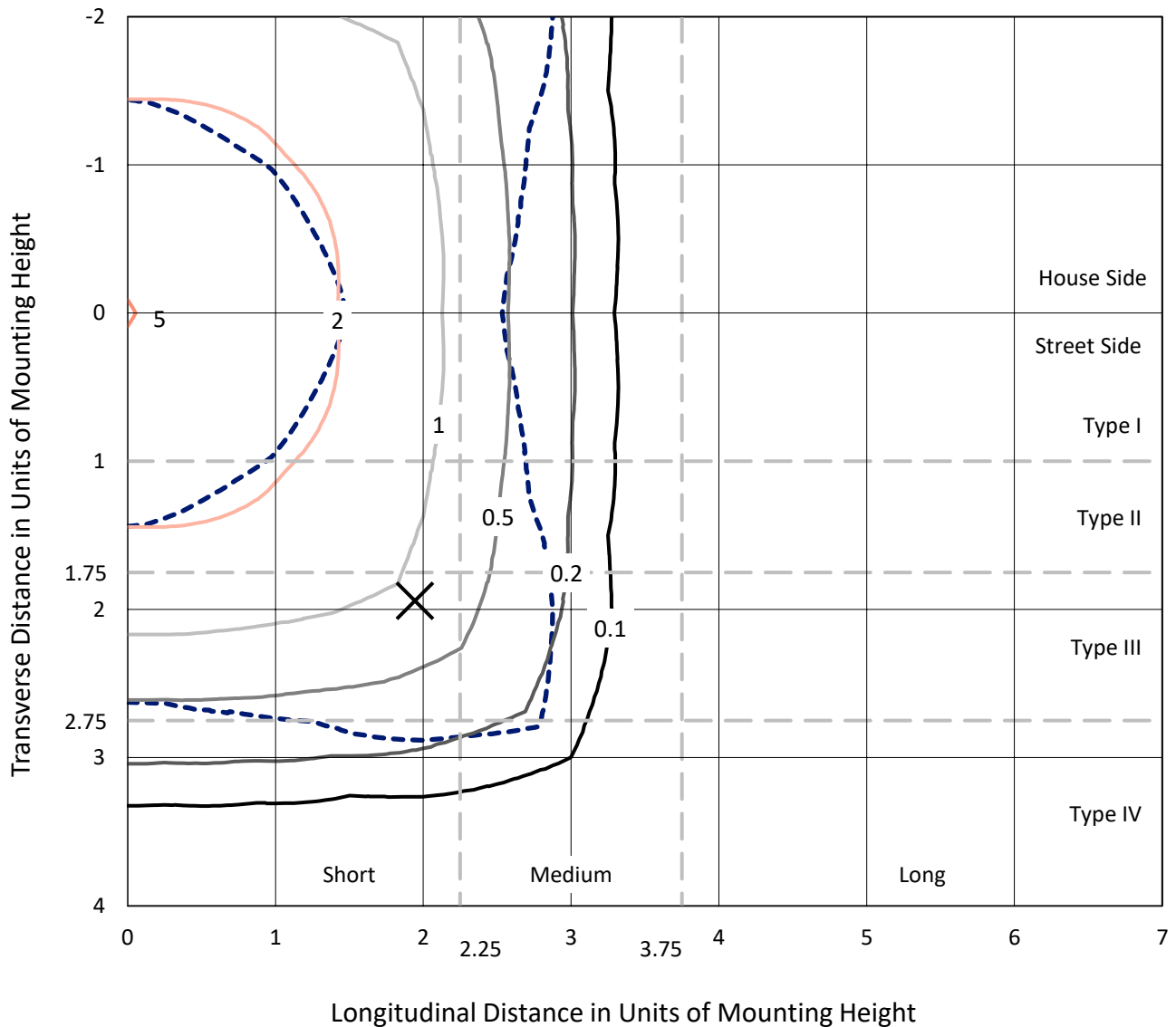
Lumens per Lamp: N/A
Luminaire Lumens: 10375.1 lumens
Efficiency: N/A
Efficacy: 97.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G2

Input Watts (W): 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

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Iso-Footcandle Lines of Horizontal Illumination

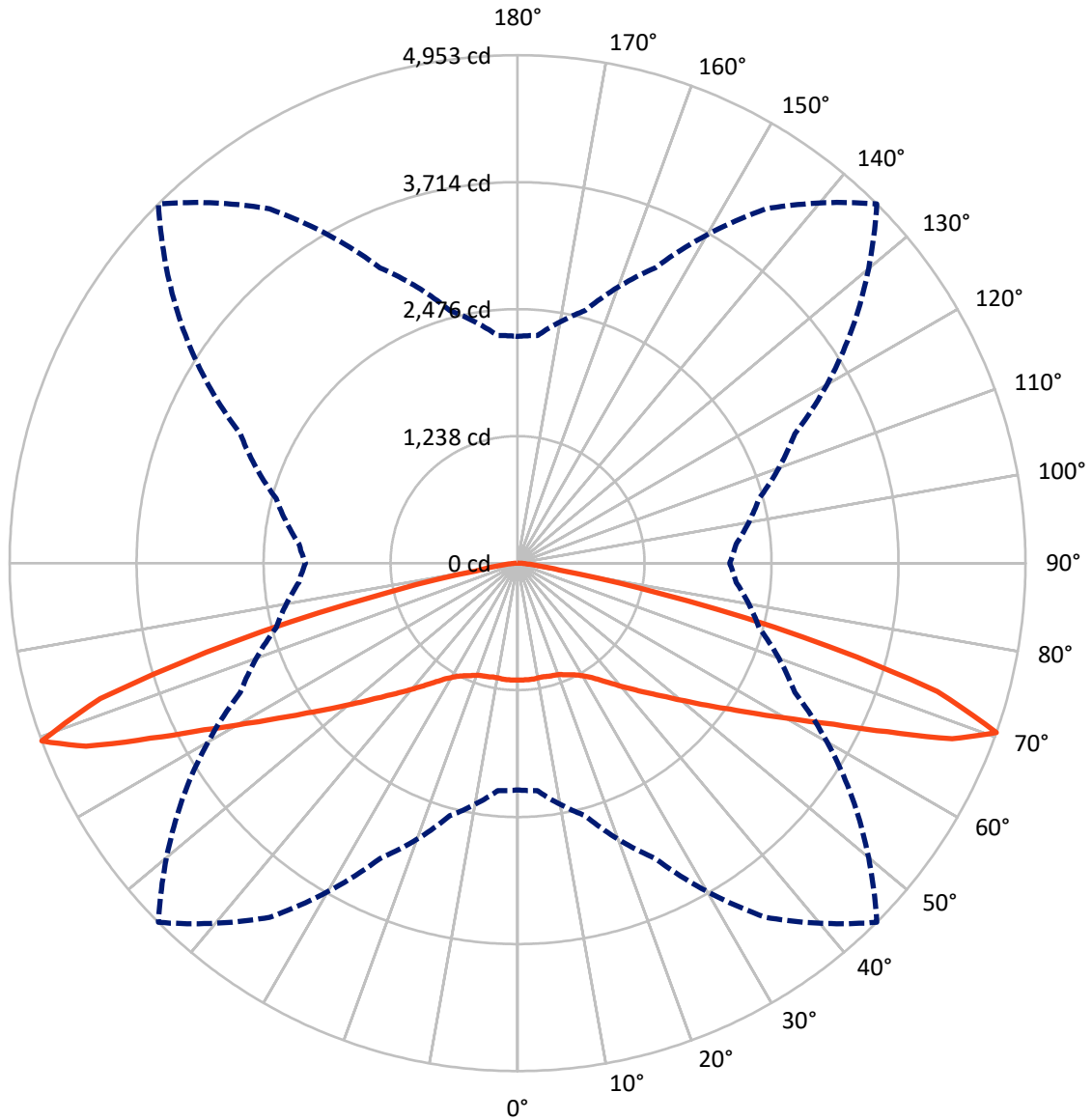
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 5.1 fc
 Type 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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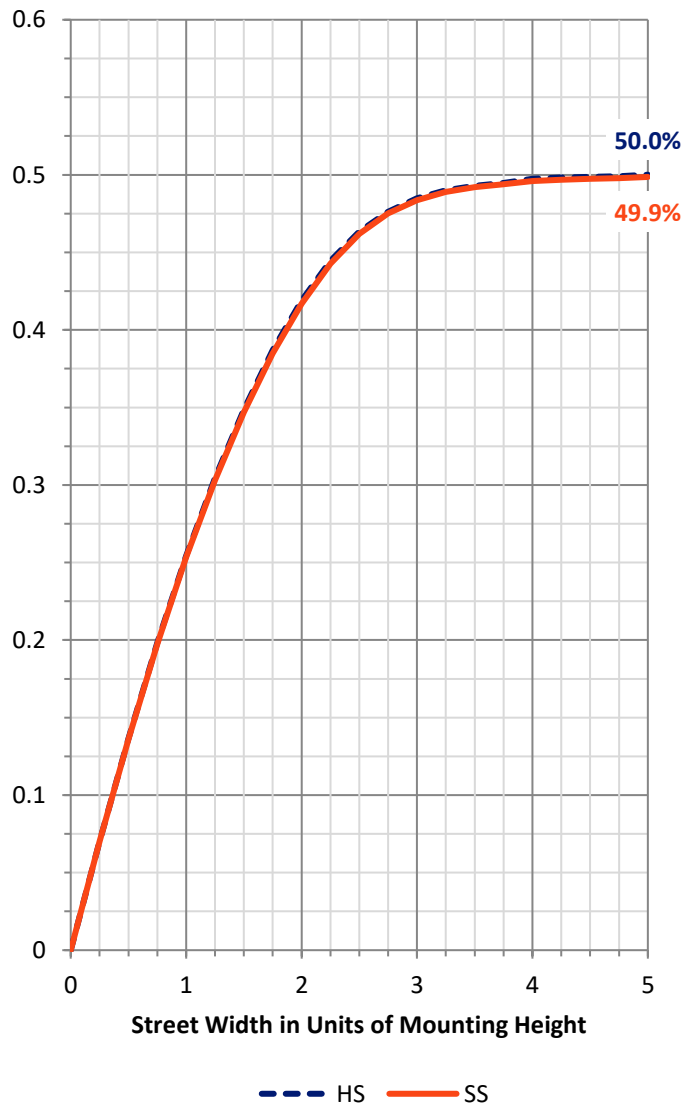
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5187.6	0.0	5187.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5187.6	0.0	5187.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	10375.1	0.0	10375.1
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	108.5	1.0
10°-20°	321.2	3.1
20°-30°	548.5	5.3
30°-40°	875.3	8.4
40°-50°	1412.5	13.6
50°-60°	2261.8	21.8
60°-70°	3311.2	31.9
70°-80°	1456.2	14.0
80°-90°	79.8	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°	10375.1	100.0
0°-180°	10375.1	100.0



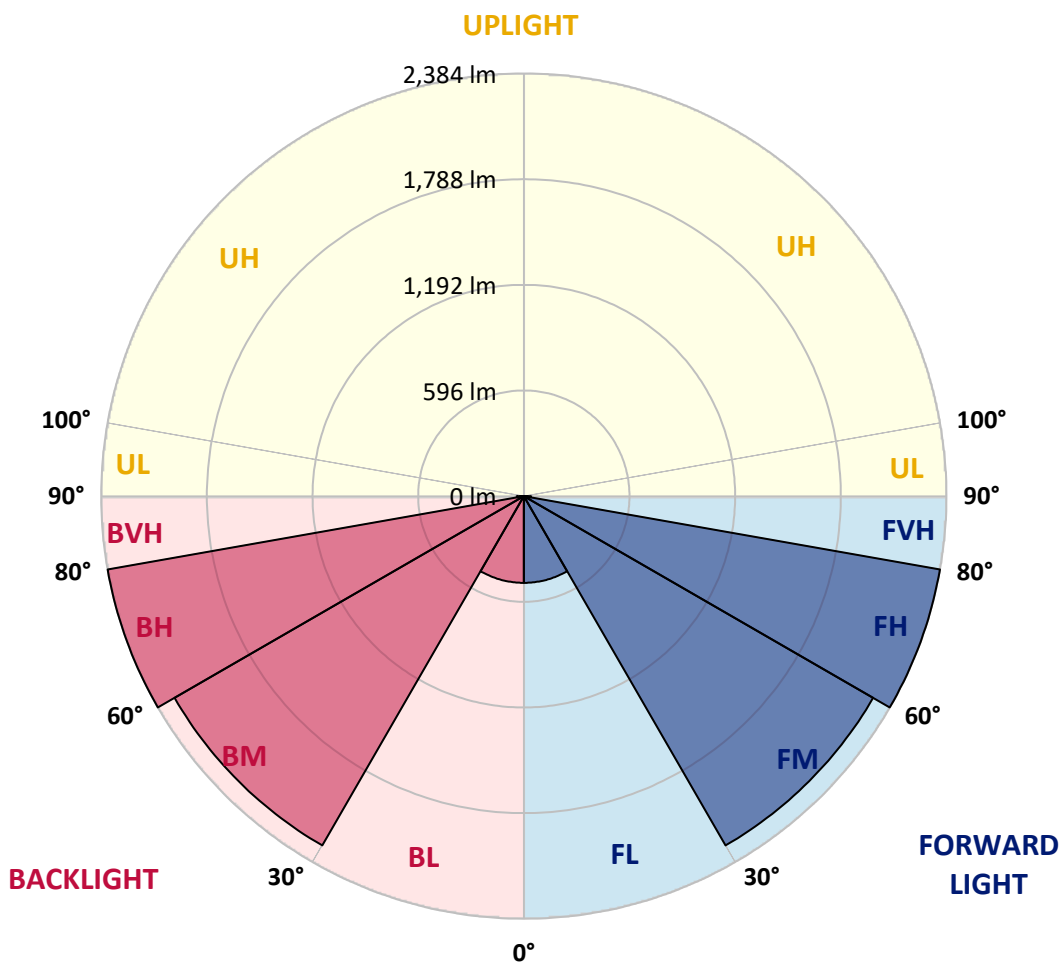
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	489.1	4.7			
FM (30°-60°)	2274.8	21.9			
FH (60°-80°)	2383.7	23.0			G2/5000
FVH (80°-90°)	39.9	0.4			G1/100
BL (0°-30°)	489.1	4.7	B1/500		
BM (30°-60°)	2274.8	21.9	B2/2500		
BH (60°-80°)	2383.7	23.0	B3/2500		G2/5000
BVH (80°-90°)	39.9	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°	1140.9	1140.9	1140.9	1140.9	1140.9	1140.9	1140.9	1140.9	1140.9	1140.9	1140.9
2.5°	1139.5	1138.7	1140.2	1140.9	1139.5	1140.2	1135.8	1135.8	1138.0	1135.8	1138.7
5°	1144.6	1143.1	1144.6	1144.6	1140.9	1140.9	1135.8	1134.3	1135.8	1132.1	1135.0
7.5°	1145.3	1142.4	1144.6	1143.9	1140.9	1140.9	1133.6	1130.6	1131.4	1127.7	1129.9
10°	1138.0	1136.5	1139.5	1138.0	1135.8	1135.8	1129.9	1125.5	1125.5	1121.8	1124.0
12.5°	1133.6	1132.1	1135.8	1136.5	1135.0	1135.8	1128.4	1122.5	1120.3	1115.9	1117.4
15°	1133.6	1130.6	1136.5	1138.0	1139.5	1144.6	1133.6	1123.3	1118.9	1113.0	1114.5
17.5°	1132.8	1131.4	1138.0	1143.1	1144.6	1150.5	1138.0	1127.0	1121.8	1113.0	1114.5
20°	1132.8	1132.1	1140.2	1149.7	1154.2	1159.3	1146.1	1135.8	1127.0	1117.4	1117.4
22.5°	1136.5	1135.8	1146.8	1160.8	1173.3	1182.1	1166.7	1149.7	1138.0	1125.5	1124.0
25°	1152.0	1150.5	1163.7	1180.6	1197.5	1206.4	1190.9	1174.0	1157.1	1143.1	1141.7
27.5°	1183.6	1182.8	1196.1	1216.6	1228.4	1235.0	1221.8	1207.1	1190.2	1174.0	1173.3
30°	1226.2	1226.2	1243.1	1264.4	1271.0	1276.2	1263.0	1252.7	1235.0	1217.4	1215.9
32.5°	1277.7	1280.6	1300.5	1324.0	1328.4	1331.3	1317.4	1310.7	1291.6	1272.5	1269.6
35°	1345.3	1346.0	1370.3	1393.8	1399.7	1402.6	1386.5	1380.6	1362.9	1342.4	1337.9
37.5°	1431.3	1429.1	1451.9	1478.4	1484.2	1487.9	1474.7	1470.3	1448.2	1427.6	1421.0
40°	1527.6	1529.1	1554.8	1579.8	1583.5	1584.9	1578.3	1571.7	1551.1	1527.6	1519.5
42.5°	1639.3	1639.3	1669.5	1698.9	1698.9	1691.5	1688.6	1687.1	1667.3	1640.8	1632.0
45°	1767.3	1768.7	1806.2	1828.3	1829.7	1809.9	1812.8	1821.7	1802.5	1768.7	1757.0
47.5°	1907.7	1909.9	1954.0	1978.2	1973.8	1948.1	1964.3	1968.7	1946.6	1903.3	1887.8
50°	2055.4	2062.0	2111.3	2153.9	2148.1	2110.6	2131.9	2133.4	2097.3	2047.3	2026.0
52.5°	2215.0	2230.4	2295.8	2341.4	2347.3	2300.2	2318.6	2317.1	2270.8	2202.5	2188.5
55°	2412.7	2421.5	2486.2	2550.9	2573.0	2514.9	2535.5	2525.2	2462.7	2384.8	2361.2
57.5°	2610.5	2623.7	2706.8	2779.5	2823.6	2774.4	2778.8	2752.3	2673.7	2579.6	2567.8
60°	2845.0	2850.8	2942.7	3037.6	3114.0	3084.6	3064.0	3008.9	2916.3	2822.2	2805.3
62.5°	3036.8	3048.6	3185.3	3325.0	3454.4	3459.5	3397.1	3314.7	3167.0	3009.6	2975.8
65°	3089.8	3108.9	3300.7	3576.4	3845.5	3965.3	3794.0	3542.6	3212.5	2975.1	2924.4
67.5°	2843.5	2880.3	3154.5	3612.4	4209.4	4568.9	4110.1	3434.5	2973.6	2696.5	2647.9
70°	2211.3	2227.5	2549.4	3178.0	4215.3	4952.6	3983.0	2982.4	2437.7	2140.0	2068.7
72.5°	1174.7	1182.8	1473.2	2140.0	3430.1	4278.5	3291.2	2087.0	1435.0	1164.5	1082.9
75°	379.3	389.6	507.2	876.3	1892.2	2875.1	1940.8	868.2	494.7	399.2	377.9
77.5°	193.3	192.6	213.9	282.3	636.6	1409.3	673.4	304.3	213.9	191.9	186.0
80°	120.6	118.4	134.5	154.4	222.7	411.7	241.9	170.6	135.3	116.2	115.4
82.5°	68.4	68.4	90.4	99.2	125.7	169.8	141.1	116.9	92.6	69.1	66.9
85°	38.2	33.8	56.6	62.5	72.0	83.8	86.0	75.7	62.5	38.2	39.7
87.5°	14.0	15.4	26.5	25.0	28.7	19.8	35.3	39.7	35.3	18.4	15.4
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)