

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: P672518

Luminaire Tested: **CCP-SA-2D-727-U-5MQ**

Issue Date: 04/16/2023

Test Information

Test Method: LM-79-08
Report Number: P672518
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2D-727-U-5MQ
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @800mA w/ 5MQ
distribution lens
Light Source: (32) 2700K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

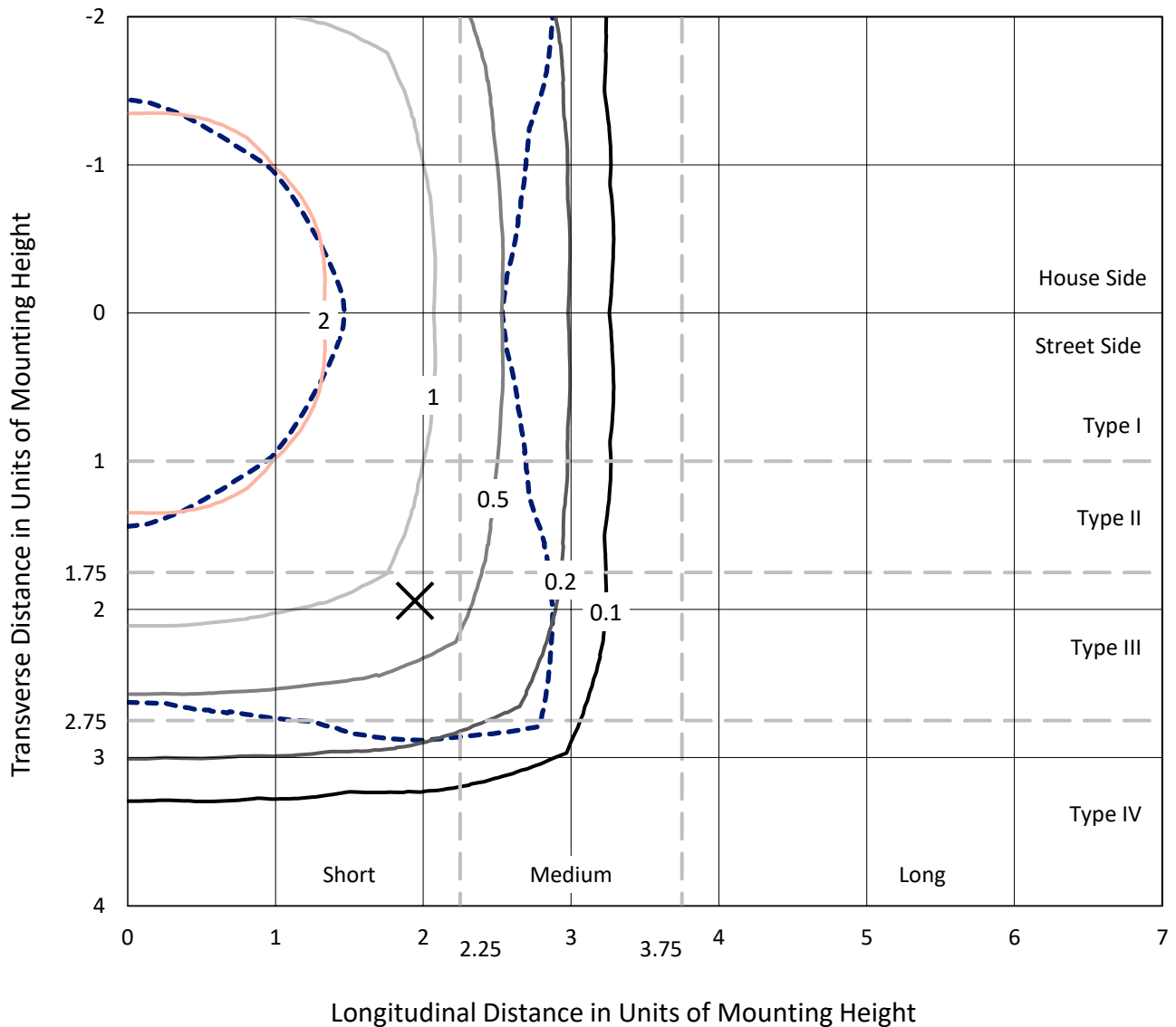
Lumens per Lamp: N/A
Luminaire Lumens: 9627.8 lumens
Efficiency: N/A
Efficacy: 119.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G2

Input Watts (W): 80.8
Input Voltage (V): 120
Input Current (A_{in}): 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

REPORT NUMBER: P672518
 CATALOG NUMBER: CCP-SA-2D-727-U-5MQ

Iso-Footcandle Lines of Horizontal Illumination

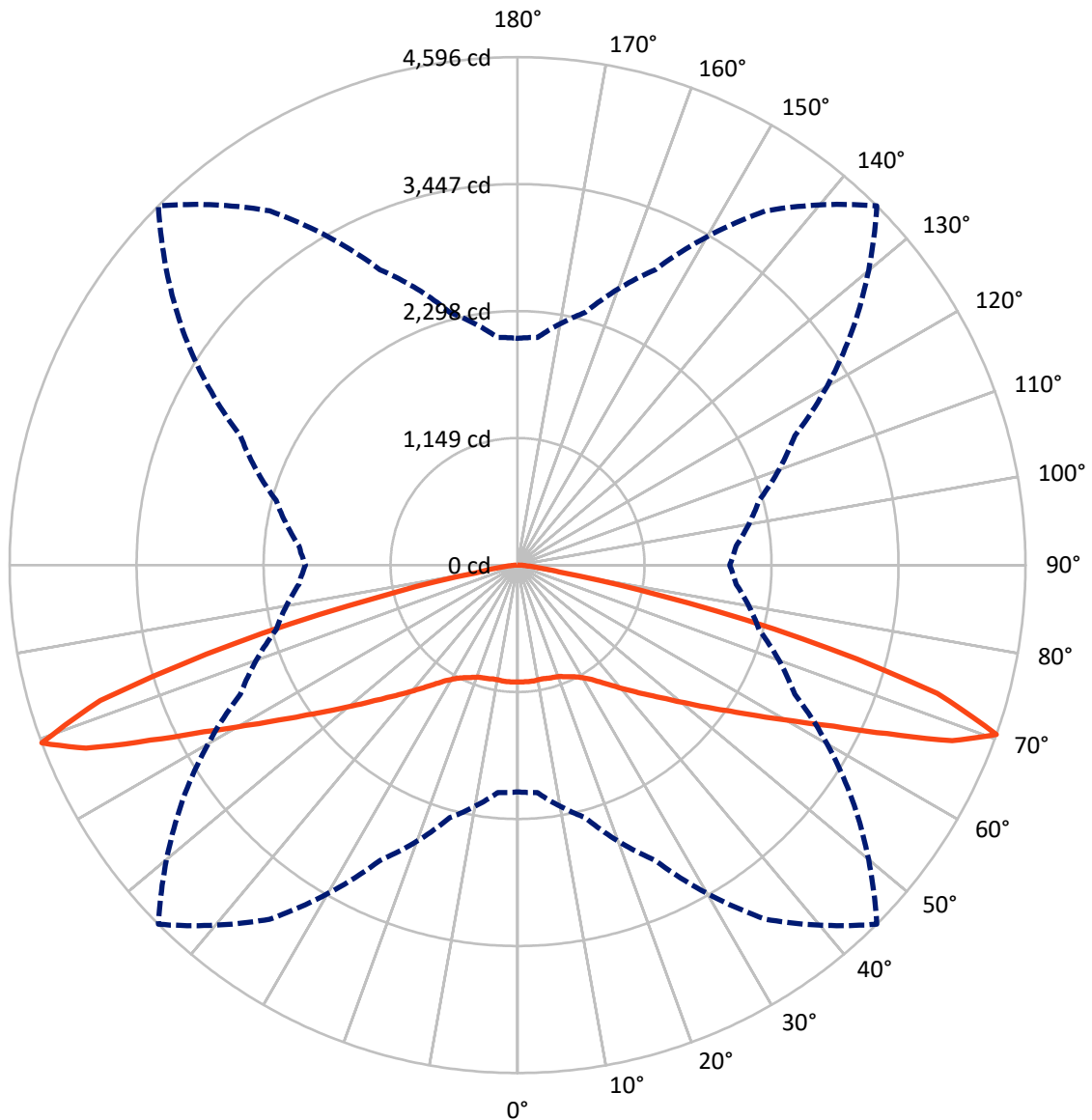
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 4.7 fc
 Type V - Short - N/A

REPORT NUMBER: P672518
CATALOG NUMBER: CCP-SA-2D-727-U-5MQ

Luminous Intensity Polar Plot



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

REPORT NUMBER: P672518
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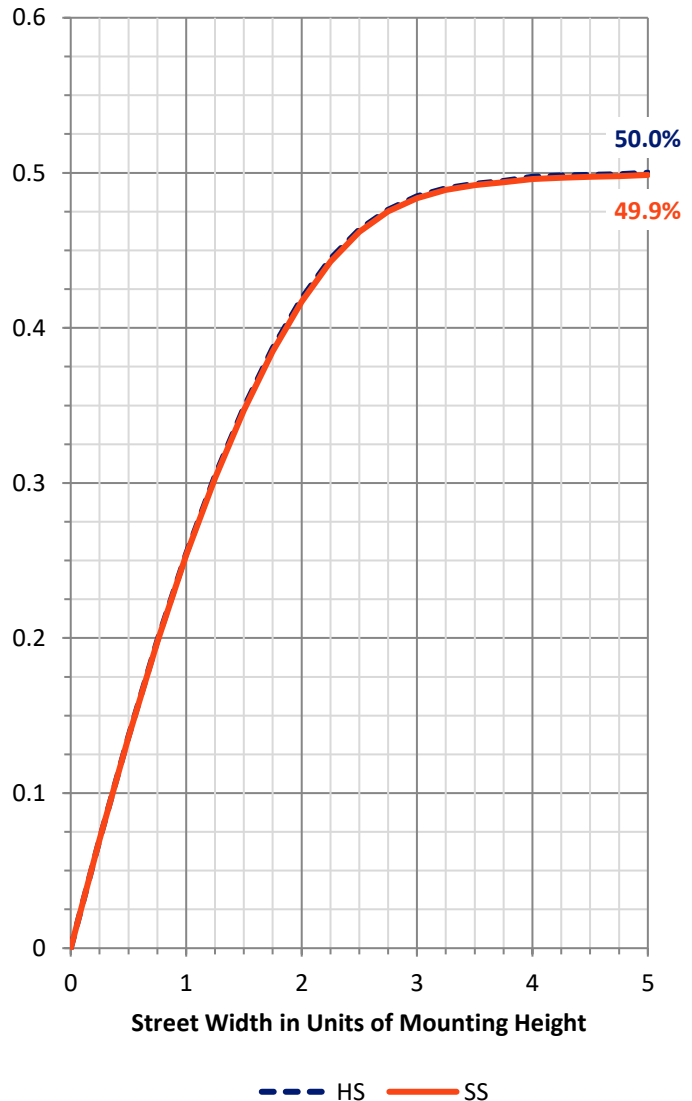
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4813.9	0.0	4813.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4813.9	0.0	4813.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	9627.8	0.0	9627.8
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	100.7	1.0
10°-20°	298.1	3.1
20°-30°	509.0	5.3
30°-40°	812.3	8.4
40°-50°	1310.8	13.6
50°-60°	2098.9	21.8
60°-70°	3072.7	31.9
70°-80°	1351.3	14.0
80°-90°	74.1	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°	9627.8	100.0
0°-180°	9627.8	100.0



REPORT NUMBER: P672518

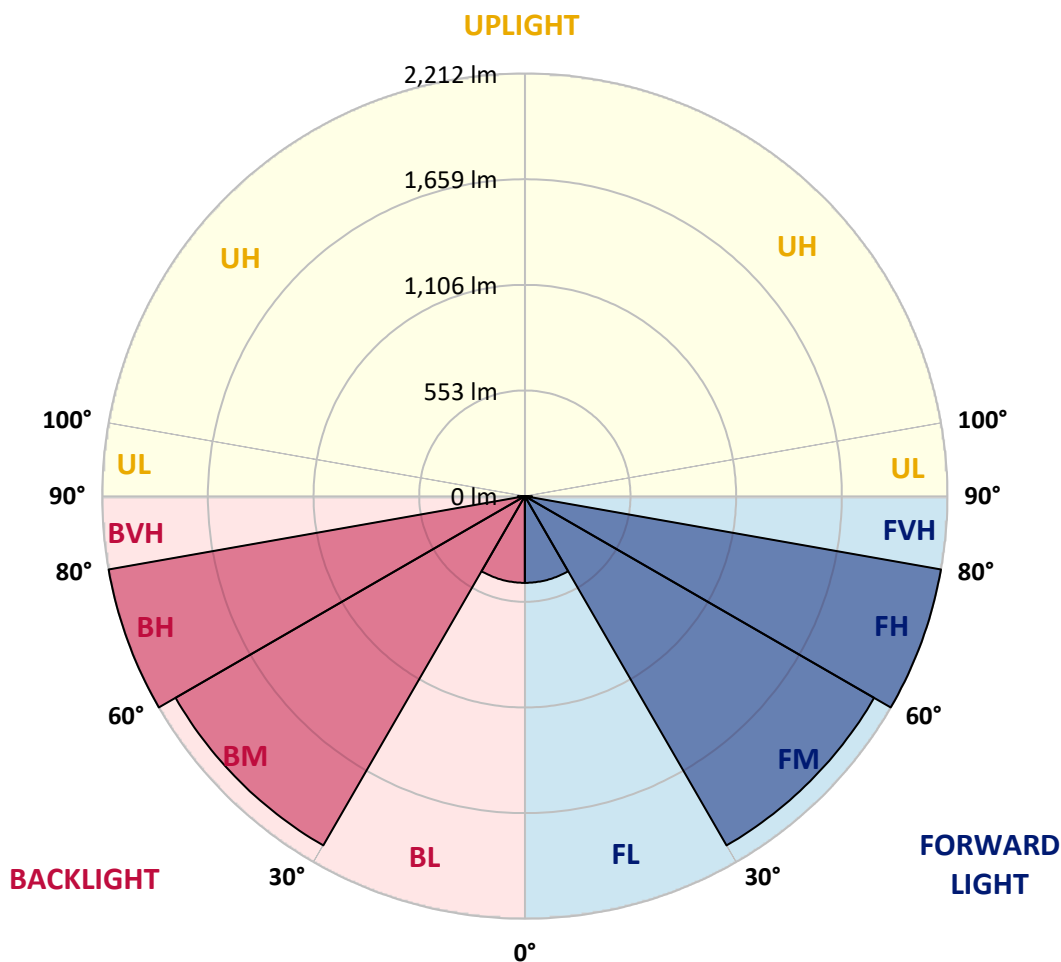
CATALOG NUMBER: CCP-SA-2D-727-U-5MQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	453.9	4.7			
FM (30°-60°)	2111.0	21.9			
FH (60°-80°)	2212.0	23.0			G2/5000
FVH (80°-90°)	37.0	0.4			G1/100
BL (0°-30°)	453.9	4.7	B1/500		
BM (30°-60°)	2111.0	21.9	B2/2500		
BH (60°-80°)	2212.0	23.0	B3/2500		G2/5000
BVH (80°-90°)	37.0	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





REPORT NUMBER: P672518

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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1058.7	1058.7	1058.7	1058.7	1058.7	1058.7	1058.7	1058.7	1058.7	1058.7	1058.7
2.5°	1057.4	1056.7	1058.1	1058.7	1057.4	1058.1	1054.0	1054.0	1056.0	1054.0	1056.7
5°	1062.2	1060.8	1062.2	1062.2	1058.7	1058.7	1054.0	1052.6	1054.0	1050.6	1053.3
7.5°	1062.8	1060.1	1062.2	1061.5	1058.7	1058.7	1051.9	1049.2	1049.9	1046.5	1048.5
10°	1056.0	1054.7	1057.4	1056.0	1054.0	1054.0	1048.5	1044.4	1044.4	1041.0	1043.1
12.5°	1051.9	1050.6	1054.0	1054.7	1053.3	1054.0	1047.1	1041.7	1039.6	1035.5	1036.9
15°	1051.9	1049.2	1054.7	1056.0	1057.4	1062.2	1051.9	1042.4	1038.3	1032.8	1034.2
17.5°	1051.2	1049.9	1056.0	1060.8	1062.2	1067.6	1056.0	1045.8	1041.0	1032.8	1034.2
20°	1051.2	1050.6	1058.1	1066.9	1071.0	1075.8	1063.5	1054.0	1045.8	1036.9	1036.9
22.5°	1054.7	1054.0	1064.2	1077.2	1088.8	1096.9	1082.6	1066.9	1056.0	1044.4	1043.1
25°	1069.0	1067.6	1079.9	1095.6	1111.3	1119.5	1105.1	1089.4	1073.8	1060.8	1059.4
27.5°	1098.3	1097.6	1109.9	1129.0	1139.9	1146.1	1133.8	1120.1	1104.4	1089.4	1088.8
30°	1137.9	1137.9	1153.6	1173.4	1179.5	1184.3	1172.0	1162.4	1146.1	1129.7	1128.3
32.5°	1185.6	1188.4	1206.8	1228.6	1232.7	1235.4	1222.5	1216.3	1198.6	1180.9	1178.1
35°	1248.4	1249.1	1271.6	1293.4	1298.9	1301.6	1286.6	1281.1	1264.8	1245.7	1241.6
37.5°	1328.2	1326.2	1347.3	1371.9	1377.3	1380.7	1368.5	1364.4	1343.9	1324.8	1318.7
40°	1417.6	1418.9	1442.8	1466.0	1469.4	1470.8	1464.6	1458.5	1439.4	1417.6	1410.1
42.5°	1521.3	1521.3	1549.2	1576.5	1576.5	1569.7	1567.0	1565.6	1547.2	1522.6	1514.4
45°	1640.0	1641.3	1676.1	1696.6	1697.9	1679.5	1682.3	1690.4	1672.7	1641.3	1630.4
47.5°	1770.3	1772.3	1813.2	1835.7	1831.7	1807.8	1822.8	1826.9	1806.4	1766.2	1751.8
50°	1907.4	1913.5	1959.2	1998.8	1993.3	1958.5	1978.3	1979.7	1946.3	1899.9	1880.1
52.5°	2055.4	2069.7	2130.4	2172.7	2178.2	2134.5	2151.6	2150.2	2107.3	2043.8	2030.9
55°	2238.9	2247.1	2307.1	2367.2	2387.6	2333.7	2352.8	2343.3	2285.3	2213.0	2191.2
57.5°	2422.4	2434.7	2511.8	2579.3	2620.3	2574.5	2578.6	2554.1	2481.1	2393.8	2382.9
60°	2640.0	2645.5	2730.8	2818.8	2889.7	2862.4	2843.3	2792.2	2706.2	2618.9	2603.2
62.5°	2818.1	2829.0	2955.9	3085.5	3205.6	3210.3	3152.4	3076.0	2938.8	2792.8	2761.5
65°	2867.2	2884.9	3063.0	3318.8	3568.5	3679.7	3520.7	3287.4	2981.1	2760.8	2713.7
67.5°	2638.7	2672.8	2927.2	3352.2	3906.2	4239.8	3814.1	3187.1	2759.4	2502.2	2457.2
70°	2052.0	2067.0	2365.8	2949.1	3911.6	4595.8	3696.1	2767.6	2262.1	1985.8	1919.7
72.5°	1090.1	1097.6	1367.1	1985.8	3183.1	3970.3	3054.1	1936.7	1331.6	1080.6	1004.9
75°	352.0	361.6	470.7	813.2	1755.9	2668.0	1801.0	805.7	459.1	370.4	350.6
77.5°	179.4	178.7	198.5	262.0	590.8	1307.7	624.9	282.4	198.5	178.0	172.6
80°	111.9	109.8	124.8	143.3	206.7	382.0	224.4	158.3	125.5	107.8	107.1
82.5°	63.4	63.4	83.9	92.1	116.7	157.6	131.0	108.5	86.0	64.1	62.1
85°	35.5	31.4	52.5	58.0	66.9	77.8	79.8	70.3	58.0	35.5	36.8
87.5°	13.0	14.3	24.6	23.2	26.6	18.4	32.7	36.8	32.7	17.1	14.3
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)