

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: P672514

Luminaire Tested: **CCP-SA-1F-727-U-5MQ**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P672514
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1F-727-U-5MQ
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @1200mA w/ 5MQ distribution lens
Light Source: (16) 2700K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

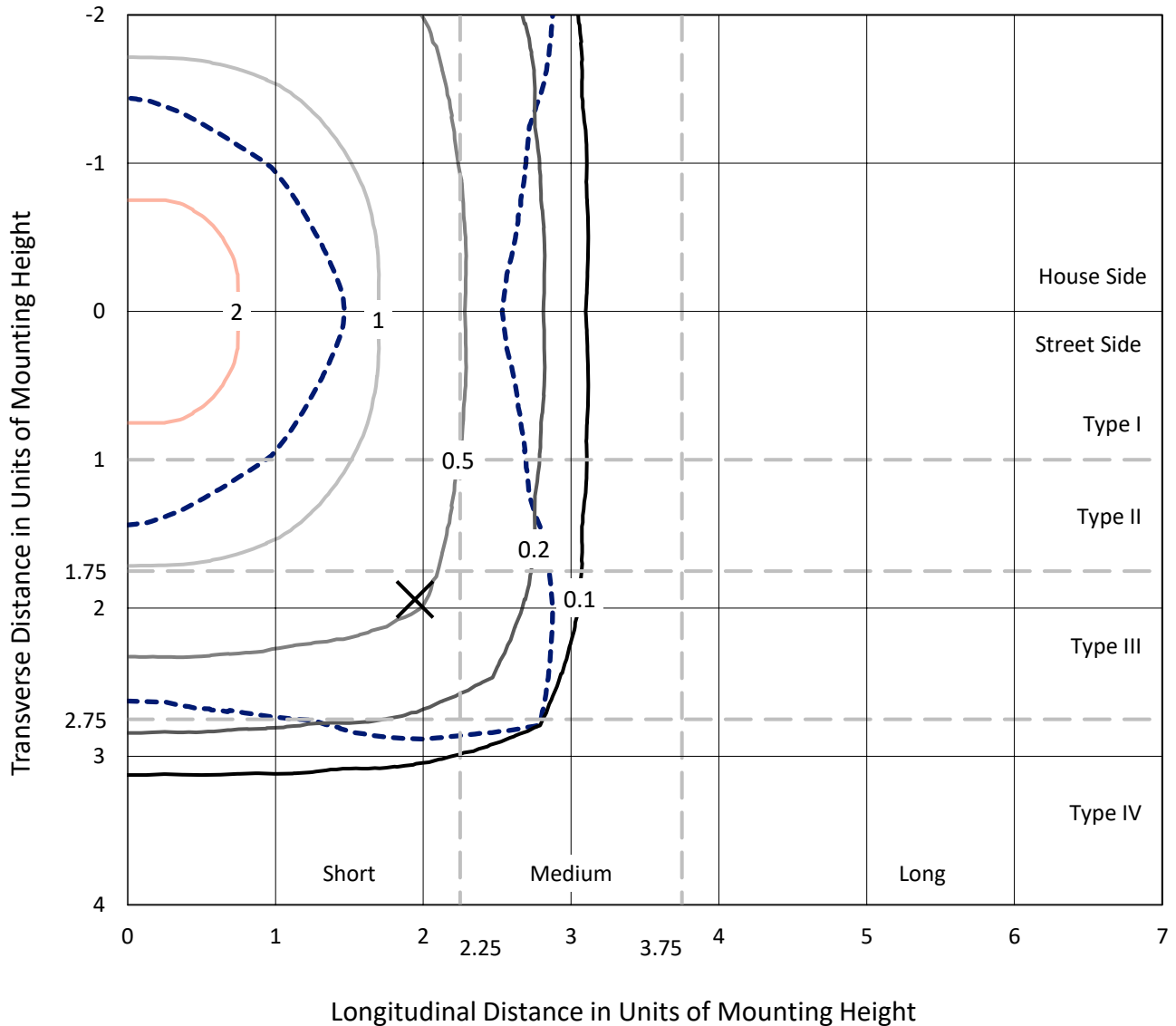
Lumens per Lamp: N/A
Luminaire Lumens: 6472.5 lumens
Efficiency: N/A
Efficacy: 96.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

Input Watts (W): 67
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

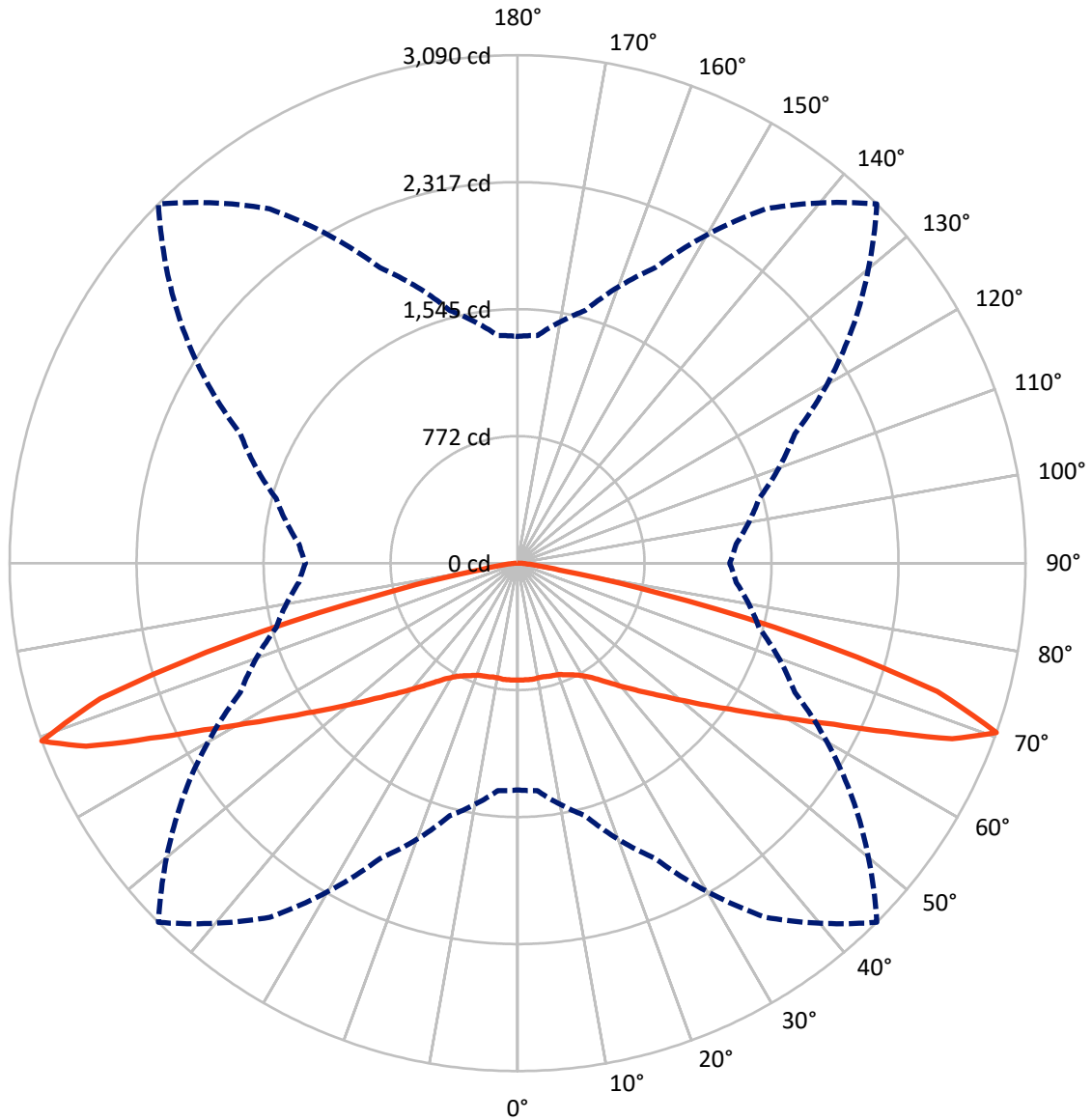
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 3.2 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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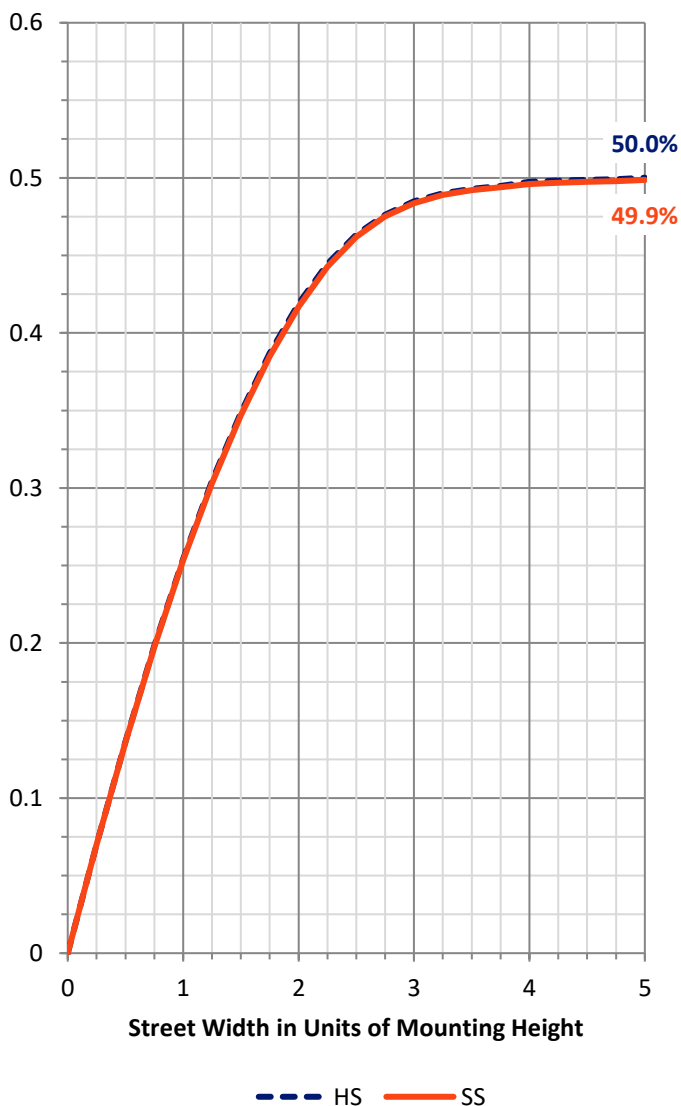
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3236.2	0.0	3236.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3236.2	0.0	3236.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	6472.5	0.0	6472.5
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	67.7	1.0
10°-20°	200.4	3.1
20°-30°	342.2	5.3
30°-40°	546.1	8.4
40°-50°	881.2	13.6
50°-60°	1411.0	21.8
60°-70°	2065.7	31.9
70°-80°	908.5	14.0
80°-90°	49.8	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°	6472.5	100.0
0°-180°	6472.5	100.0



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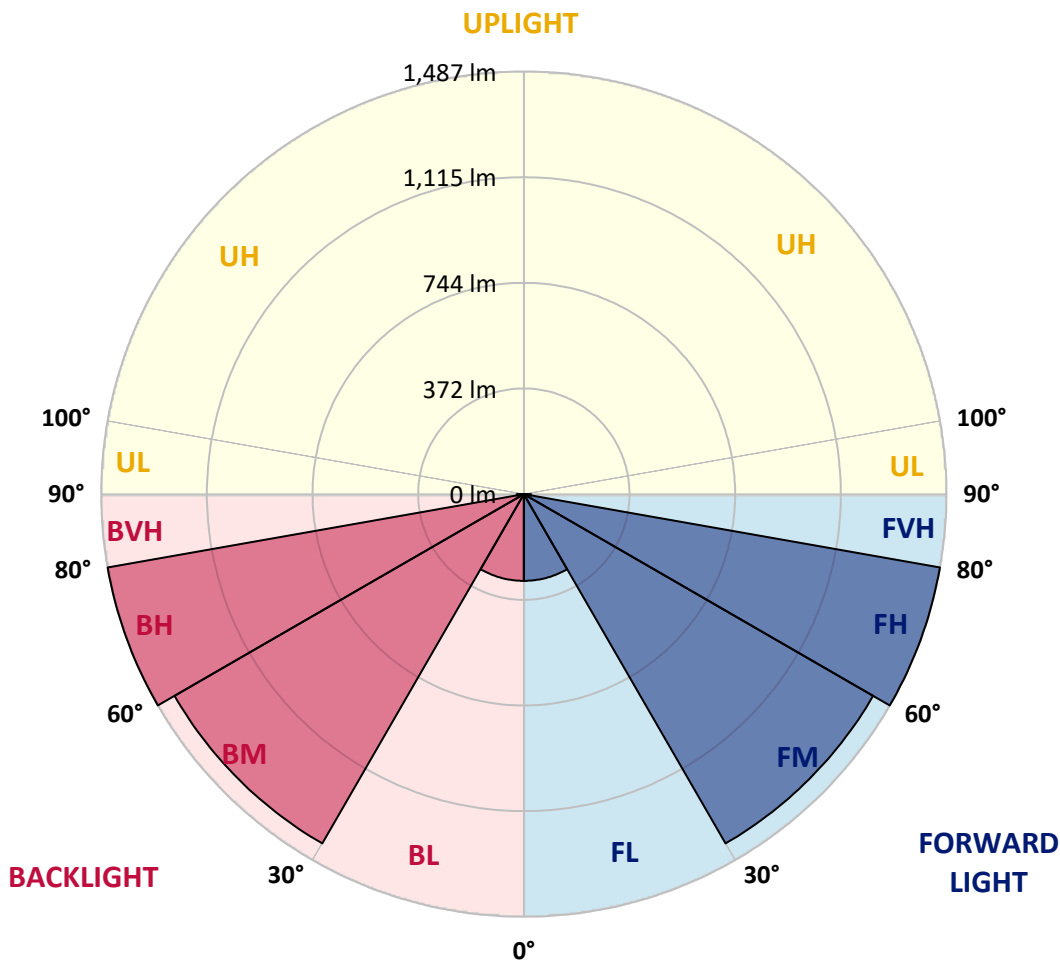
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	305.1	4.7			
FM (30°-60°)	1419.1	21.9			
FH (60°-80°)	1487.1	23.0			G1/1800
FVH (80°-90°)	24.9	0.4			G1/100
BL (0°-30°)	305.1	4.7	B1/500		
BM (30°-60°)	1419.1	21.9	B2/2500		
BH (60°-80°)	1487.1	23.0	B3/2500		G1/1800
BVH (80°-90°)	24.9	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-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	711.8	711.8	711.8	711.8	711.8	711.8	711.8	711.8	711.8	711.8	711.8
2.5°	710.8	710.4	711.3	711.8	710.8	711.3	708.6	708.6	709.9	708.6	710.4
5°	714.1	713.1	714.1	714.1	711.8	711.8	708.6	707.6	708.6	706.3	708.1
7.5°	714.5	712.7	714.1	713.6	711.8	711.8	707.2	705.3	705.8	703.5	704.9
10°	709.9	709.0	710.8	709.9	708.6	708.6	704.9	702.1	702.1	699.8	701.2
12.5°	707.2	706.3	708.6	709.0	708.1	708.6	704.0	700.3	698.9	696.2	697.1
15°	707.2	705.3	709.0	709.9	710.8	714.1	707.2	700.8	698.0	694.3	695.3
17.5°	706.7	705.8	709.9	713.1	714.1	717.7	709.9	703.0	699.8	694.3	695.3
20°	706.7	706.3	711.3	717.3	720.0	723.2	715.0	708.6	703.0	697.1	697.1
22.5°	709.0	708.6	715.4	724.1	731.9	737.4	727.8	717.3	709.9	702.1	701.2
25°	718.6	717.7	726.0	736.5	747.1	752.6	742.9	732.4	721.9	713.1	712.2
27.5°	738.4	737.9	746.2	759.0	766.3	770.5	762.2	753.0	742.5	732.4	731.9
30°	765.0	765.0	775.5	788.8	792.9	796.1	787.9	781.5	770.5	759.5	758.5
32.5°	797.1	798.9	811.3	826.0	828.7	830.5	821.8	817.7	805.8	793.9	792.0
35°	839.3	839.7	854.8	869.5	873.2	875.0	864.9	861.3	850.3	837.4	834.7
37.5°	892.9	891.5	905.8	922.3	925.9	928.2	920.0	917.2	903.5	890.6	886.5
40°	953.0	953.9	970.0	985.6	987.8	988.8	984.6	980.5	967.7	953.0	947.9
42.5°	1022.7	1022.7	1041.5	1059.8	1059.8	1055.3	1053.4	1052.5	1040.1	1023.6	1018.1
45°	1102.5	1103.4	1126.8	1140.6	1141.5	1129.1	1130.9	1136.4	1124.5	1103.4	1096.1
47.5°	1190.1	1191.5	1219.0	1234.1	1231.4	1215.3	1225.4	1228.2	1214.4	1187.3	1177.7
50°	1282.3	1286.4	1317.1	1343.7	1340.1	1316.7	1330.0	1330.9	1308.4	1277.2	1263.9
52.5°	1381.8	1391.4	1432.2	1460.7	1464.3	1435.0	1446.5	1445.5	1416.6	1374.0	1365.3
55°	1505.2	1510.7	1551.0	1591.4	1605.1	1568.9	1581.7	1575.3	1536.3	1487.7	1473.1
57.5°	1628.5	1636.8	1688.6	1734.0	1761.5	1730.8	1733.5	1717.0	1668.0	1609.3	1601.9
60°	1774.8	1778.5	1835.8	1895.0	1942.7	1924.3	1911.5	1877.1	1819.3	1760.6	1750.1
62.5°	1894.5	1901.9	1987.2	2074.3	2155.0	2158.2	2119.2	2067.9	1975.7	1877.5	1856.4
65°	1927.5	1939.5	2059.2	2231.1	2399.0	2473.7	2366.9	2210.0	2004.1	1856.0	1824.3
67.5°	1773.9	1796.8	1967.9	2253.6	2626.0	2850.3	2564.1	2142.6	1855.1	1682.2	1651.9
70°	1379.5	1389.6	1590.5	1982.6	2629.7	3089.6	2484.7	1860.6	1520.7	1335.0	1290.5
72.5°	732.9	737.9	919.1	1335.0	2139.9	2669.1	2053.2	1302.0	895.2	726.4	675.5
75°	236.6	243.1	316.4	546.7	1180.5	1793.6	1210.7	541.6	308.6	249.0	235.7
77.5°	120.6	120.2	133.5	176.1	397.2	879.2	420.1	189.9	133.5	119.7	116.0
80°	75.2	73.8	83.9	96.3	139.0	256.8	150.9	106.4	84.4	72.5	72.0
82.5°	42.7	42.7	56.4	61.9	78.4	105.9	88.1	72.9	57.8	43.1	41.7
85°	23.8	21.1	35.3	39.0	44.9	52.3	53.7	47.2	39.0	23.8	24.8
87.5°	8.7	9.6	16.5	15.6	17.9	12.4	22.0	24.8	22.0	11.5	9.6
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)