

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: P672657

Luminaire Tested: **CCP-SA-1E-727-U-5NQ**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P672657
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1E-727-U-5NQ
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @1050mA w/ 5NQ
distribution lens
Light Source: (16) 2700K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5950 lumens
Efficiency: N/A
Efficacy: 106.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G1

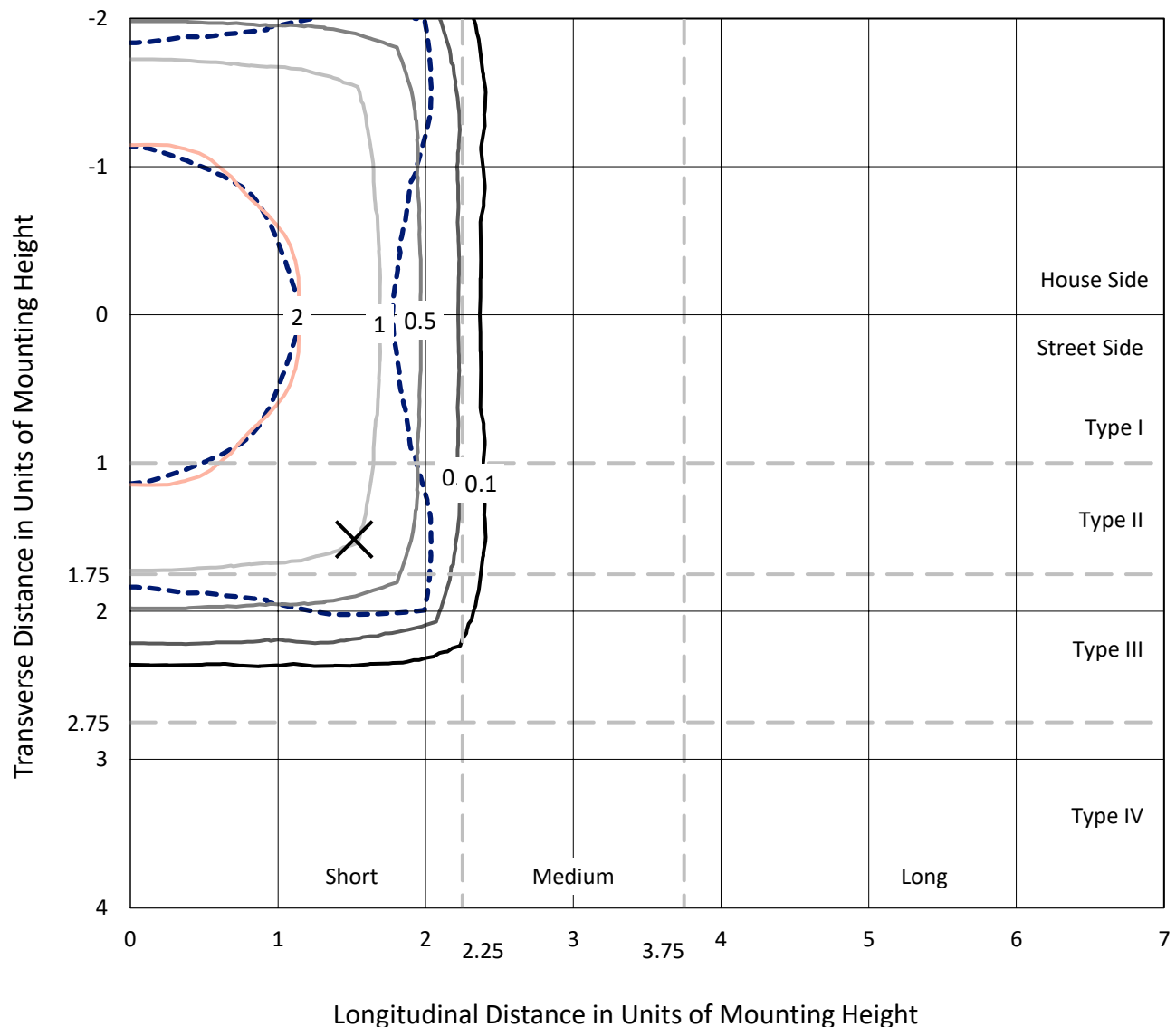
Input Watts (W): 56.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Iso-Footcandle Lines of Horizontal Illumination

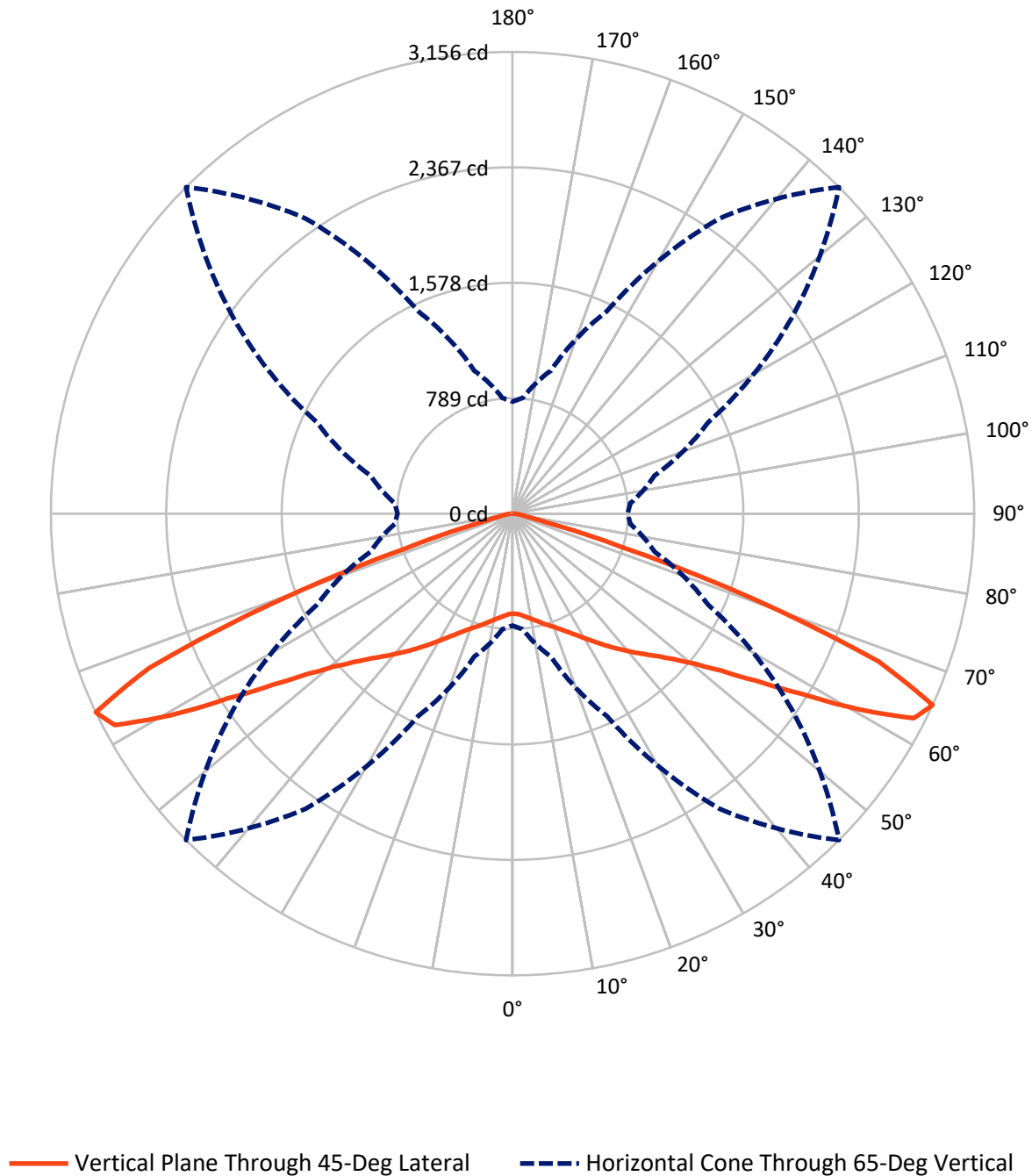
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 3.1 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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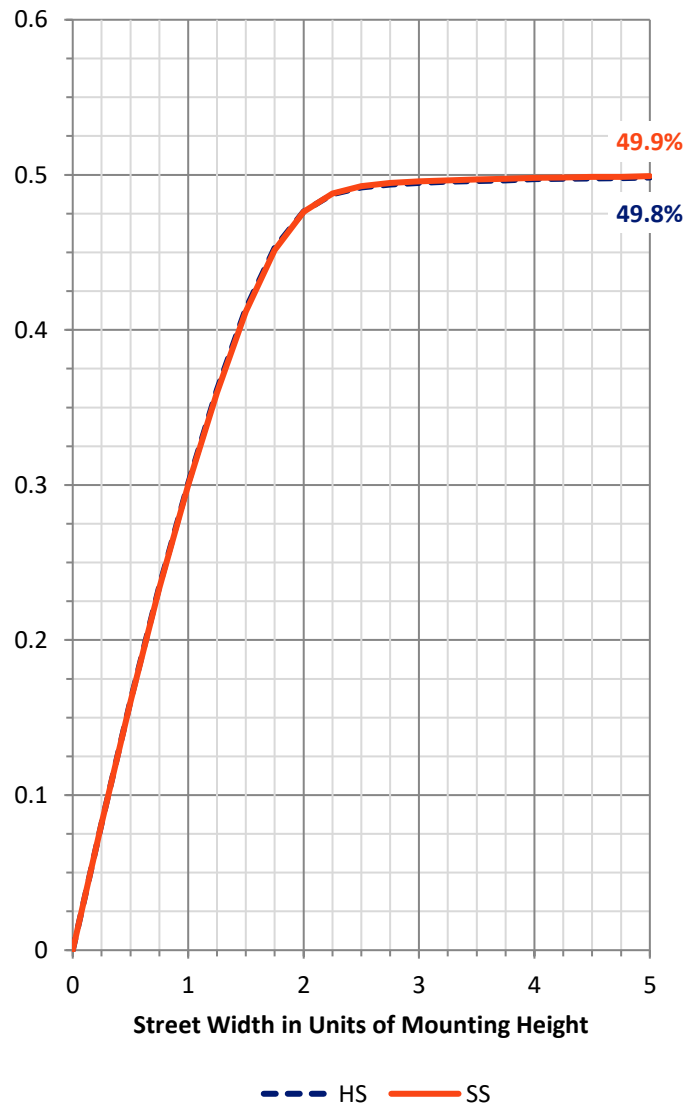
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2975.0	0.0	2975.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2975.0	0.0	2975.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	5950.0	0.0	5950.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	67.7	1.1
10°-20°	221.2	3.7
20°-30°	419.5	7.1
30°-40°	703.6	11.8
40°-50°	1113.4	18.7
50°-60°	1749.1	29.4
60°-70°	1477.8	24.8
70°-80°	172.1	2.9
80°-90°	25.6	0.4
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°	5950.0	100.0
0°-180°	5950.0	100.0

Coefficient of Utilization



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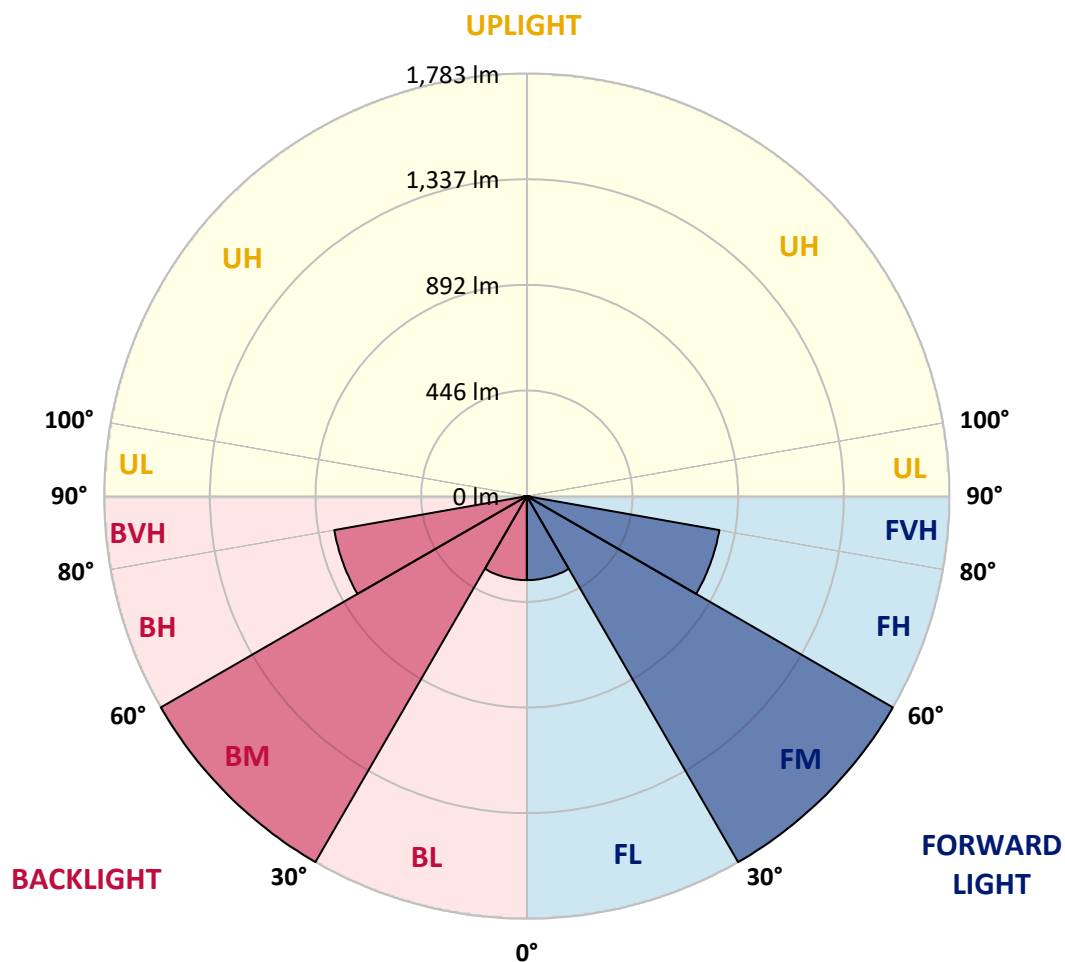
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	354.2	6.0			
FM	(30°-60°)	1783.0	30.0			
FH	(60°-80°)	825.0	13.9			G1/1800
FVH	(80°-90°)	12.8	0.2			G1/100
BL	(0°-30°)	354.2	6.0	B1/500		
BM	(30°-60°)	1783.0	30.0	B2/2500		
BH	(60°-80°)	825.0	13.9	B2/1000		G1/1800
BVH	(80°-90°)	12.8	0.2			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	684.2	684.2	684.2	684.2	684.2	684.2	684.2	684.2	684.2	684.2	684.2
2.5°	687.9	685.8	687.9	687.9	686.7	687.1	685.4	685.0	687.1	685.4	685.0
5°	702.1	700.5	702.1	700.9	698.8	699.2	696.7	695.9	698.4	695.9	696.3
7.5°	718.4	715.5	716.4	717.6	715.5	715.5	713.4	712.2	713.4	710.9	712.6
10°	732.2	729.7	731.0	732.7	732.2	733.5	731.4	730.6	729.3	726.4	728.9
12.5°	750.2	749.4	751.1	753.2	752.3	754.0	749.4	748.1	747.7	744.4	747.3
15°	773.6	771.6	774.5	777.0	775.7	778.7	774.9	773.2	771.1	767.0	769.5
17.5°	797.1	795.4	799.6	800.8	801.2	803.8	800.8	798.3	797.5	794.6	792.9
20°	825.1	823.0	826.3	828.8	826.8	829.7	828.4	826.8	825.9	821.3	820.9
22.5°	856.4	853.5	858.5	861.5	858.5	861.5	859.0	858.5	859.0	852.3	853.1
25°	891.6	892.0	897.0	899.1	897.4	899.1	895.3	897.8	896.6	889.5	887.0
27.5°	936.7	935.1	940.5	946.8	942.6	942.6	940.9	943.4	943.0	936.3	934.6
30°	989.4	989.0	997.0	1000.7	994.9	992.4	991.9	998.2	998.6	991.5	988.6
32.5°	1044.6	1044.6	1054.2	1058.8	1050.5	1048.8	1047.1	1055.5	1054.2	1044.6	1038.4
35°	1105.3	1102.8	1115.7	1122.4	1114.0	1109.0	1108.2	1115.7	1114.0	1100.7	1093.1
37.5°	1165.1	1166.7	1181.8	1189.3	1179.3	1173.0	1175.1	1180.1	1180.5	1165.9	1158.0
40°	1238.3	1238.7	1257.5	1263.3	1250.4	1240.8	1243.7	1255.0	1254.1	1236.2	1226.1
42.5°	1320.2	1318.5	1342.0	1347.0	1329.4	1311.0	1319.8	1337.4	1341.5	1321.5	1311.0
45°	1408.0	1410.5	1434.8	1440.2	1412.6	1389.2	1408.0	1434.4	1439.8	1418.1	1405.1
47.5°	1514.7	1517.6	1546.9	1549.0	1517.6	1487.1	1512.2	1546.5	1548.5	1518.4	1503.4
50°	1636.4	1646.4	1679.0	1683.2	1652.3	1612.9	1648.9	1679.4	1671.5	1631.3	1617.5
52.5°	1774.4	1782.3	1833.3	1850.9	1823.7	1781.5	1810.3	1829.1	1803.6	1750.9	1729.6
55°	1891.9	1905.3	1973.0	2026.5	2047.0	2015.2	2011.9	1984.3	1913.2	1832.9	1810.7
57.5°	1924.9	1937.9	2042.8	2180.8	2302.5	2318.4	2244.8	2106.4	1953.3	1829.6	1807.0
60°	1790.7	1808.2	1961.7	2223.1	2572.3	2716.1	2450.2	2116.9	1849.2	1683.2	1654.8
62.5°	1406.4	1439.0	1637.2	2047.0	2681.0	3078.3	2534.6	1936.6	1535.2	1339.0	1301.4
65°	764.9	792.9	1011.6	1525.5	2460.6	3155.6	2327.6	1474.5	1004.1	807.1	786.6
67.5°	286.9	307.4	407.7	754.0	1739.7	2697.7	1766.8	844.3	455.8	327.0	298.2
70°	122.1	124.6	147.6	262.6	790.8	1755.1	904.5	286.9	152.2	122.9	119.6
72.5°	87.8	88.2	94.5	116.3	240.9	769.9	273.5	120.4	92.8	83.6	83.6
75°	70.3	70.7	74.4	84.1	113.7	226.7	117.9	84.5	71.9	65.7	64.8
77.5°	55.2	56.0	59.8	65.7	76.1	103.7	79.9	66.5	57.7	51.9	51.0
80°	41.0	42.2	47.3	50.2	53.5	69.0	58.1	51.9	46.0	39.7	38.5
82.5°	27.2	28.4	35.1	37.2	36.8	43.5	40.1	39.7	35.1	26.3	25.1
85°	16.3	17.1	22.6	24.3	22.6	21.3	25.5	27.6	24.7	17.1	15.9
87.5°	7.1	7.1	10.0	10.5	10.0	7.9	12.1	14.2	14.6	8.8	7.9
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)