

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: P672725

Luminaire Tested: **CCP-SA-2A-827-U-5NQ**

Issue Date: 04/16/2023

Test Information

Test Method: LM-79-08
Report Number: P672725
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2A-827-U-5NQ
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @350mA w/ 5NQ
distribution lens
Light Source: (32) 2700K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

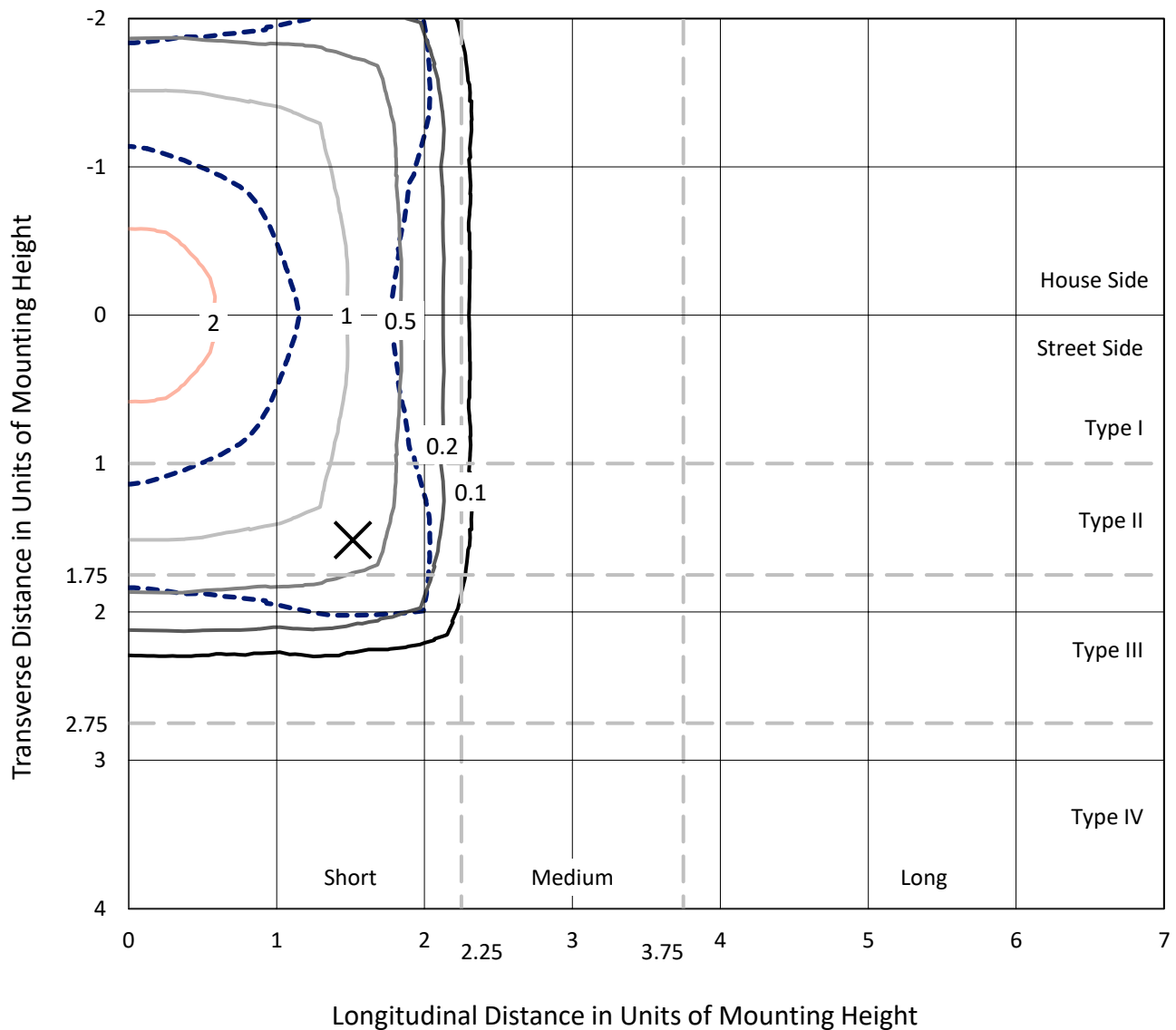
Lumens per Lamp: N/A
Luminaire Lumens: 4185.6 lumens
Efficiency: N/A
Efficacy: 115.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G0

Input Watts (W): 36.2
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

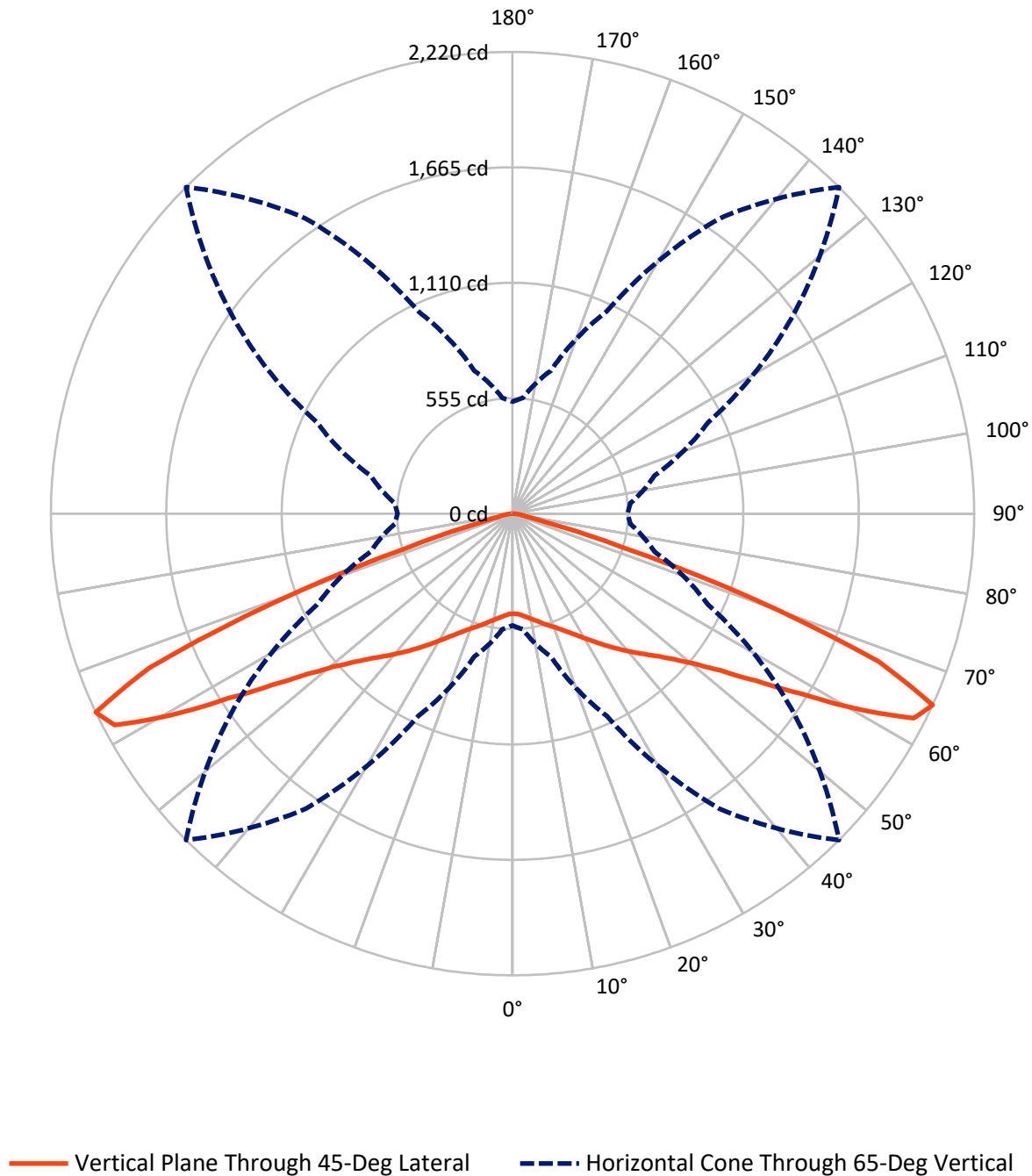


Based on 15 foot mounting height. Maximum calculated value = 2.2 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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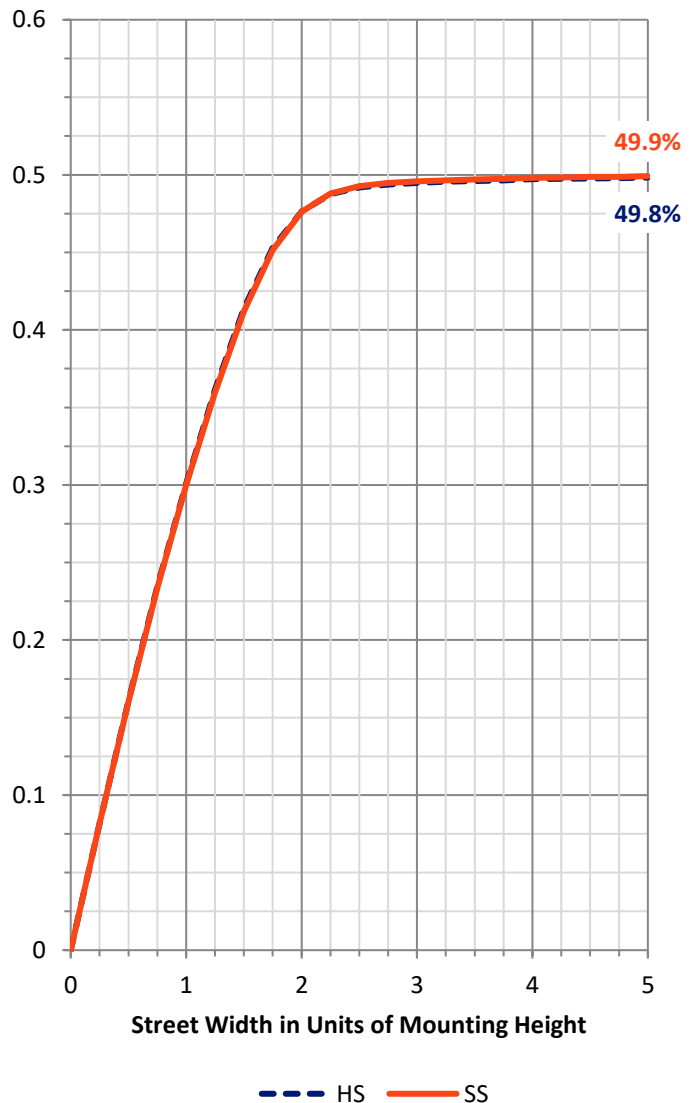
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2092.8	0.0	2092.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2092.8	0.0	2092.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	4185.6	0.0	4185.6
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	47.7	1.1
10°-20°	155.6	3.7
20°-30°	295.1	7.1
30°-40°	494.9	11.8
40°-50°	783.2	18.7
50°-60°	1230.4	29.4
60°-70°	1039.6	24.8
70°-80°	121.0	2.9
80°-90°	18.0	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°	4185.6	100.0
0°-180°	4185.6	100.0



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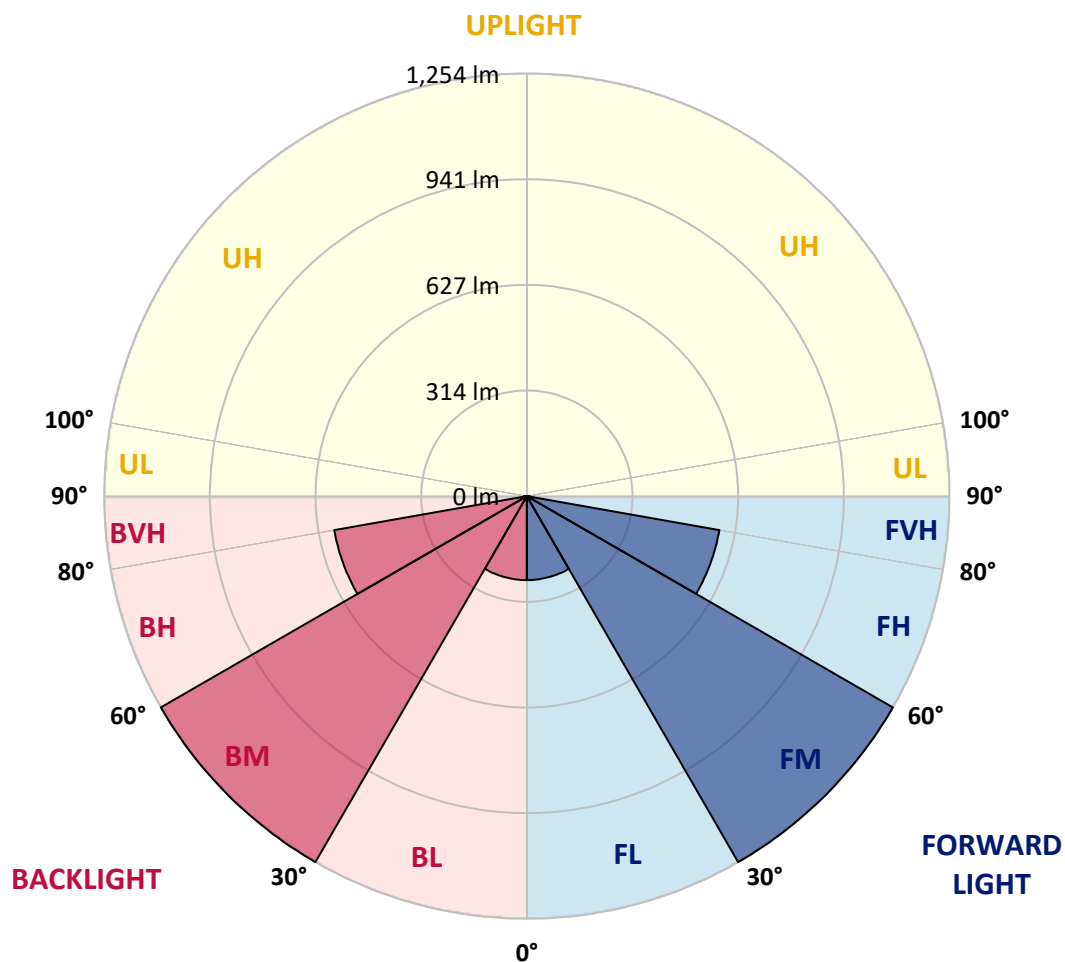
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	249.2	6.0			
FM	(30°-60°)	1254.3	30.0			
FH	(60°-80°)	580.3	13.9			G0/660
FVH	(80°-90°)	9.0	0.2			G0/10
BL	(0°-30°)	249.2	6.0	B1/500		
BM	(30°-60°)	1254.3	30.0	B2/2500		
BH	(60°-80°)	580.3	13.9	B2/1000		G0/660
BVH	(80°-90°)	9.0	0.2			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G0

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	481.3	481.3	481.3	481.3	481.3	481.3	481.3	481.3	481.3	481.3	481.3
2.5°	483.9	482.4	483.9	483.9	483.0	483.3	482.2	481.9	483.3	482.2	481.9
5°	493.9	492.7	493.9	493.0	491.6	491.9	490.1	489.5	491.3	489.5	489.8
7.5°	505.4	503.3	503.9	504.8	503.3	503.3	501.9	501.0	501.9	500.1	501.3
10°	515.1	513.3	514.2	515.4	515.1	516.0	514.5	513.9	513.0	511.0	512.7
12.5°	527.7	527.2	528.3	529.8	529.2	530.4	527.2	526.3	526.0	523.6	525.7
15°	544.2	542.8	544.8	546.6	545.7	547.8	545.1	543.9	542.5	539.5	541.3
17.5°	560.7	559.5	562.5	563.3	563.6	565.4	563.3	561.6	561.0	558.9	557.8
20°	580.4	578.9	581.3	583.1	581.6	583.6	582.8	581.6	581.0	577.8	577.5
22.5°	602.5	600.4	603.9	606.0	603.9	606.0	604.2	603.9	604.2	599.5	600.1
25°	627.2	627.5	631.0	632.5	631.3	632.5	629.8	631.6	630.7	625.7	623.9
27.5°	658.9	657.8	661.6	666.0	663.1	663.1	661.9	663.7	663.4	658.7	657.5
30°	696.0	695.7	701.3	704.0	699.8	698.1	697.8	702.2	702.5	697.5	695.4
32.5°	734.8	734.8	741.6	744.8	739.0	737.8	736.6	742.5	741.6	734.8	730.4
35°	777.5	775.7	784.9	789.6	783.7	780.1	779.6	784.9	783.7	774.3	769.0
37.5°	819.6	820.7	831.3	836.6	829.6	825.2	826.6	830.2	830.5	820.2	814.6
40°	871.0	871.3	884.6	888.7	879.6	872.8	874.9	882.8	882.2	869.6	862.5
42.5°	928.7	927.5	944.0	947.5	935.2	922.2	928.4	940.8	943.7	929.6	922.2
45°	990.5	992.2	1009.3	1013.1	993.7	977.2	990.5	1009.0	1012.8	997.5	988.4
47.5°	1065.5	1067.6	1088.1	1089.6	1067.6	1046.1	1063.7	1087.9	1089.3	1068.1	1057.6
50°	1151.1	1158.2	1181.1	1184.0	1162.3	1134.6	1159.9	1181.4	1175.8	1147.6	1137.9
52.5°	1248.2	1253.8	1289.7	1302.0	1282.9	1253.2	1273.5	1286.7	1268.8	1231.7	1216.7
55°	1330.8	1340.3	1387.9	1425.6	1440.0	1417.6	1415.3	1395.9	1345.8	1289.4	1273.8
57.5°	1354.1	1363.2	1437.0	1534.1	1619.7	1630.9	1579.1	1481.8	1374.1	1287.0	1271.1
60°	1259.7	1272.0	1380.0	1563.8	1809.5	1910.7	1723.6	1489.1	1300.8	1184.0	1164.0
62.5°	989.3	1012.3	1151.7	1440.0	1885.9	2165.4	1783.0	1362.3	1079.9	941.9	915.5
65°	538.0	557.8	711.6	1073.1	1730.9	2219.8	1637.4	1037.3	706.3	567.8	553.3
67.5°	201.8	216.2	286.8	530.4	1223.8	1897.7	1242.9	593.9	320.6	230.0	209.7
70°	85.9	87.7	103.8	184.7	556.3	1234.6	636.3	201.8	107.1	86.5	84.1
72.5°	61.8	62.1	66.5	81.8	169.4	541.6	192.4	84.7	65.3	58.8	58.8
75°	49.4	49.7	52.4	59.1	80.0	159.4	83.0	59.4	50.6	46.2	45.6
77.5°	38.8	39.4	42.1	46.2	53.5	73.0	56.2	46.8	40.6	36.5	35.9
80°	28.8	29.7	33.2	35.3	37.7	48.5	40.9	36.5	32.4	27.9	27.1
82.5°	19.1	20.0	24.7	26.2	25.9	30.6	28.2	27.9	24.7	18.5	17.7
85°	11.5	12.1	15.9	17.1	15.9	15.0	17.9	19.4	17.4	12.1	11.2
87.5°	5.0	5.0	7.1	7.4	7.1	5.6	8.5	10.0	10.3	6.2	5.6
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)