

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: P553661

Luminaire Tested: **ARB-B2-LED-D1-T5-7030**

Issue Date: 7/12/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P553661  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P34659)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/12/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: ARB-B2-LED-D1-T5-7030  
Description: ARBOR OUTDOOR ARCHITECTURAL POST TOP  
70 CRI, 3000K LEDS AND TYPE V OPTIC  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4192 lumens  
Efficiency: N/A  
Efficacy: 102.2 lumens/watt  
Luminous Opening: Circular (Dia: 1.62' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G2

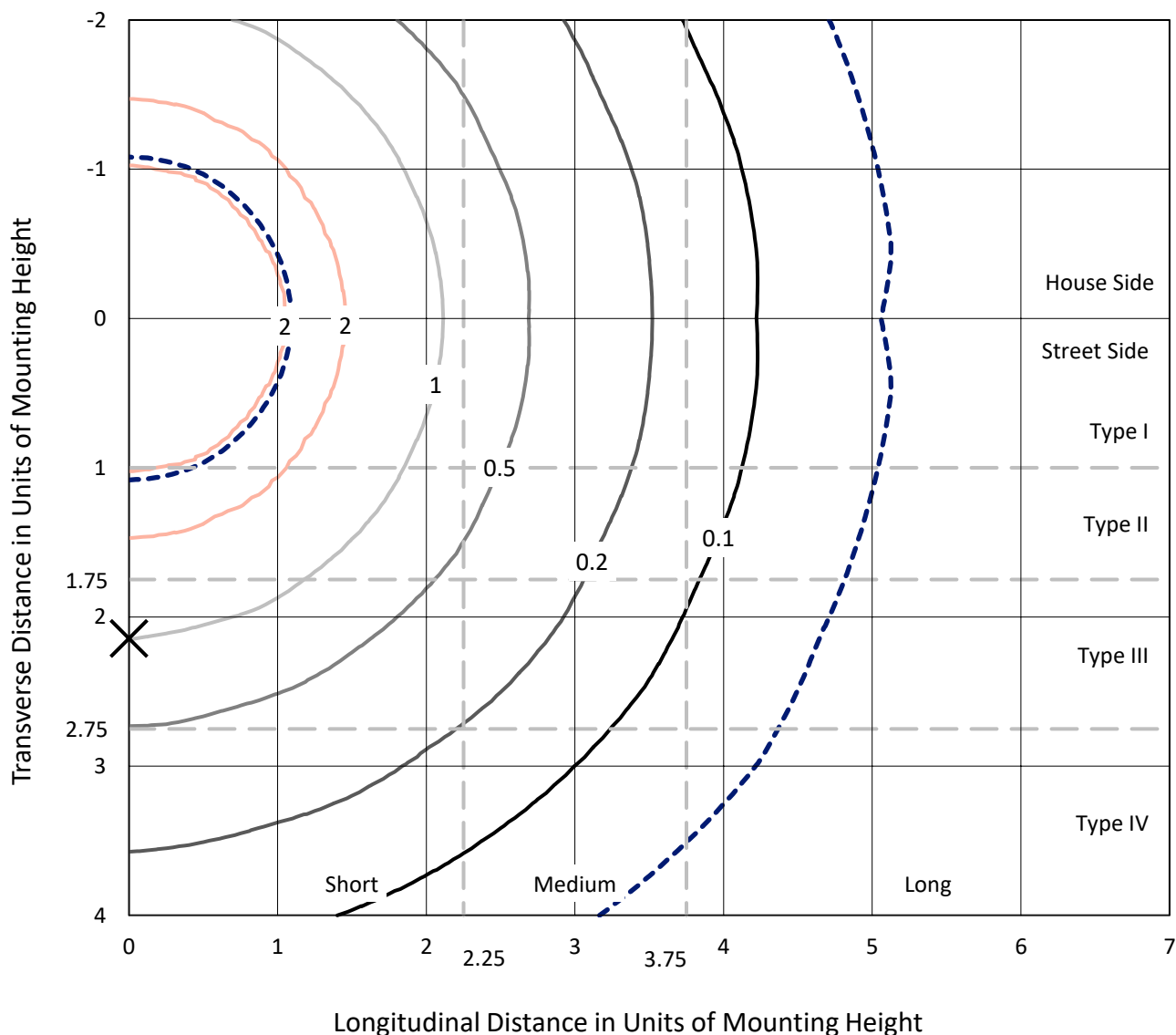
Input Watts (W): 41  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

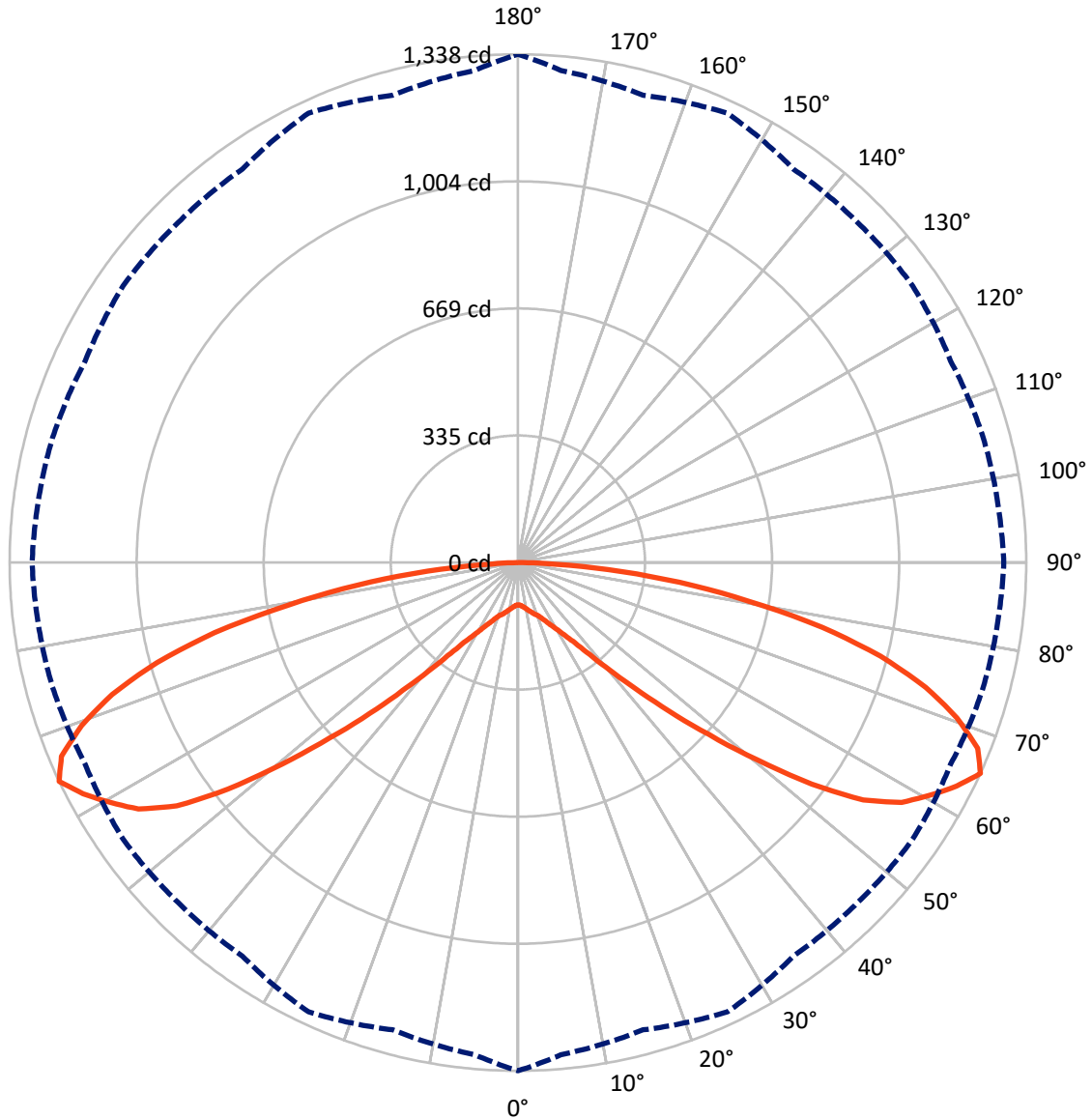
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 2.2 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 0-Deg Lateral      - - - Horizontal Cone Through 65-Deg Vertical

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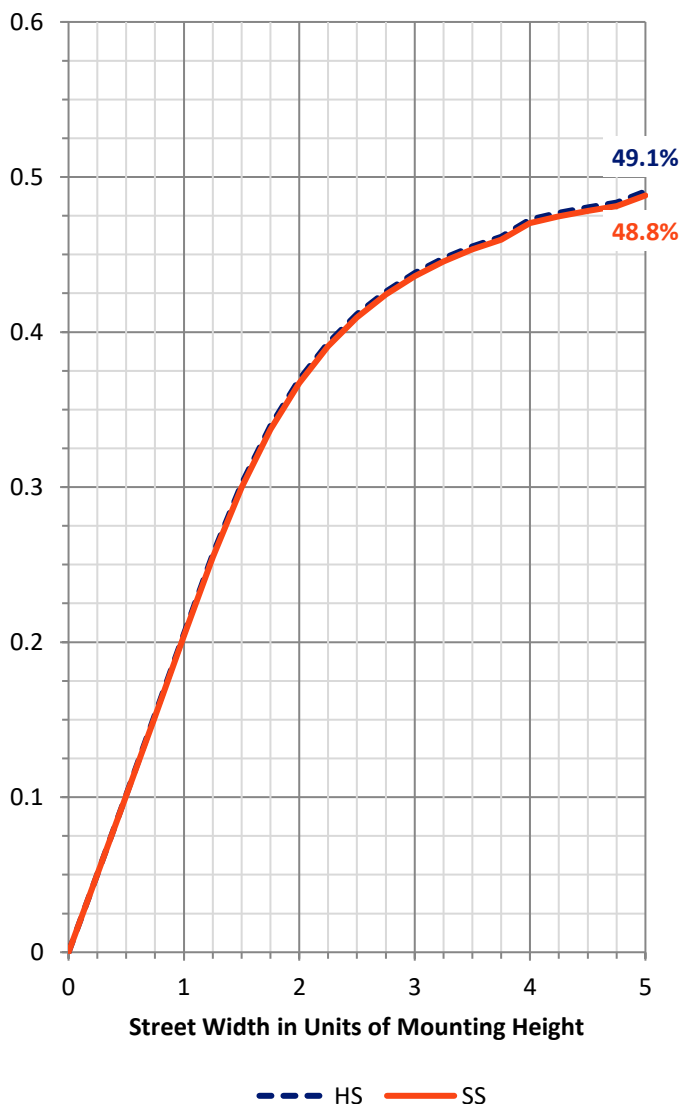
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2096.0	0.0	2096.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	2096.0	0.0	2096.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	4192.0	0.0	4192.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	11.3	0.3
10°-20°	38.6	0.9
20°-30°	79.4	1.9
30°-40°	171.6	4.1
40°-50°	442.7	10.6
50°-60°	955.2	22.8
60°-70°	1242.0	29.6
70°-80°	973.4	23.2
80°-90°	277.9	6.6
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°	4192.0	100.0
0°-180°	4192.0	100.0

**Coefficient of Utilization**



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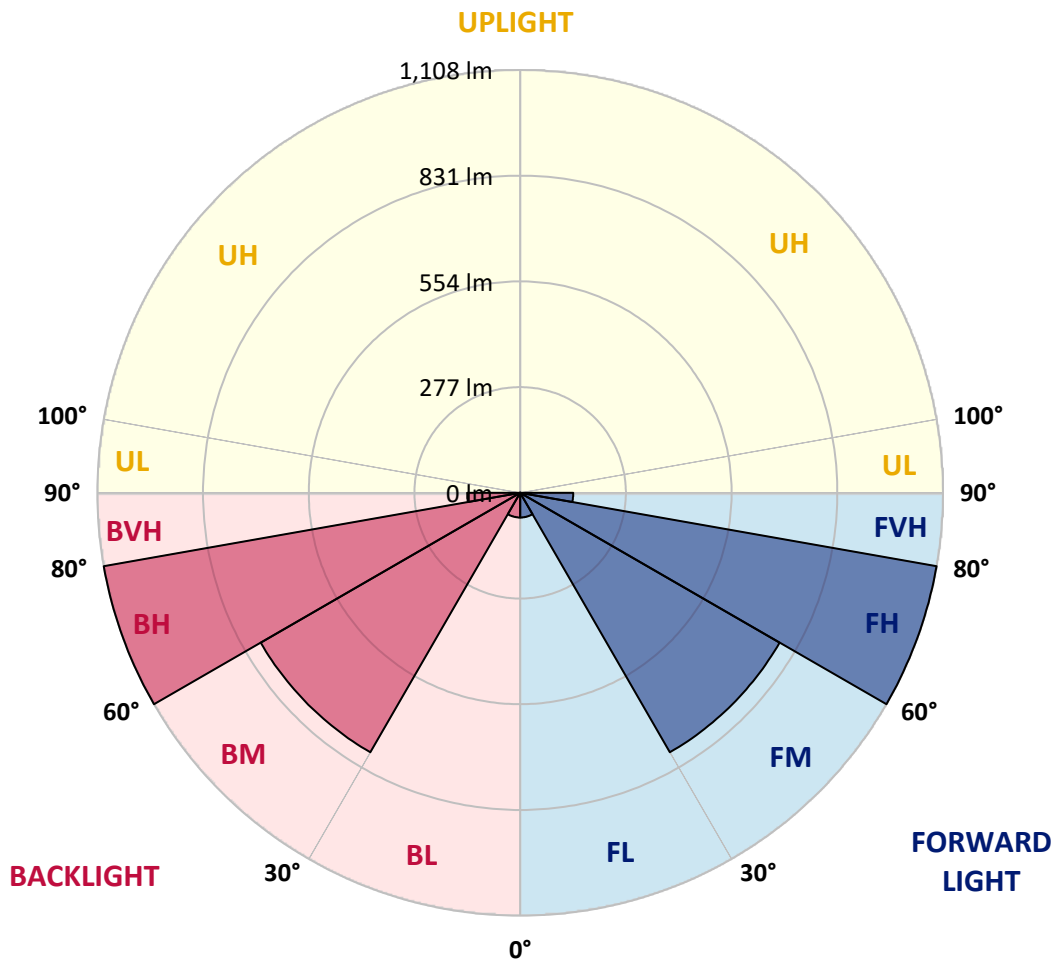
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	64.6	1.5			
FM (30°-60°)	784.8	18.7			
FH (60°-80°)	1107.7	26.4			G1/1800
FVH (80°-90°)	138.9	3.3			G2/225
BL (0°-30°)	64.6	1.5	B0/110		
BM (30°-60°)	784.8	18.7	B1/1000		
BH (60°-80°)	1107.7	26.4	B3/2500		G1/1800
BVH (80°-90°)	138.9	3.3			G2/225
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°	111.3	111.3	111.3	111.3	111.3	111.3	111.3	111.3	111.3	111.3	111.3
2.5°	112.2	112.2	112.2	112.2	112.2	112.2	112.2	112.2	112.2	112.2	112.2
5°	115.3	115.3	115.3	115.3	115.3	115.3	114.8	114.8	114.8	114.8	114.8
7.5°	119.3	119.3	119.3	119.3	119.3	118.8	118.8	118.8	118.8	118.8	118.8
10°	124.2	124.2	124.2	124.2	124.2	123.7	123.7	123.7	123.3	123.7	123.7
12.5°	130.0	129.5	129.5	129.5	129.1	129.1	128.6	128.2	128.2	128.2	128.6
15°	136.2	135.8	135.3	135.3	134.9	134.9	134.4	134.0	133.5	134.0	134.0
17.5°	142.9	142.9	142.0	141.1	142.0	142.0	141.5	140.2	139.3	139.3	139.3
20°	148.2	147.8	145.5	146.4	147.3	148.2	147.3	144.2	142.4	143.8	144.2
22.5°	158.5	158.5	155.8	155.8	158.0	159.3	156.7	154.0	151.8	153.1	153.6
25°	171.4	171.8	168.7	167.4	170.0	171.8	170.0	165.1	163.4	164.7	165.1
27.5°	186.9	186.5	183.4	181.6	184.3	186.9	185.2	180.3	177.1	178.0	178.0
30°	206.1	206.1	202.1	199.8	203.4	205.2	204.3	198.5	195.8	194.5	195.0
32.5°	229.7	229.2	226.1	225.7	227.9	229.2	227.0	221.7	219.4	219.9	220.8
35°	259.5	260.8	261.7	261.7	262.6	265.7	259.9	254.6	256.4	255.0	254.6
37.5°	306.7	306.7	310.7	313.3	315.1	312.5	305.3	304.9	305.3	308.0	306.2
40°	371.2	369.4	371.7	375.7	373.9	372.5	372.5	365.9	366.8	365.9	368.1
42.5°	452.2	453.6	450.4	454.0	449.1	448.7	453.1	450.9	442.9	445.1	441.1
45°	556.8	558.2	555.9	550.6	552.4	557.3	555.0	555.9	547.5	544.8	547.9
47.5°	676.6	676.1	676.6	668.5	671.7	673.9	676.1	669.4	662.3	665.0	665.4
50°	816.3	811.4	811.4	798.5	811.9	811.9	805.6	808.3	799.0	804.3	803.8
52.5°	969.0	969.0	974.3	951.2	967.2	961.0	954.7	956.5	949.4	956.1	961.4
55°	1103.4	1099.8	1100.3	1084.3	1101.6	1091.4	1078.9	1084.7	1078.9	1090.0	1095.8
57.5°	1191.1	1188.4	1180.0	1177.7	1179.1	1174.6	1157.3	1159.5	1164.8	1180.4	1177.7
60°	1244.5	1252.1	1232.5	1231.1	1235.1	1237.4	1218.7	1203.1	1224.0	1237.4	1231.6
62.5°	1296.1	1297.5	1274.3	1275.7	1283.7	1261.9	1268.5	1246.7	1265.4	1269.0	1279.2
65°	1338.0	1300.6	1273.4	1305.0	1264.5	1265.4	1269.0	1256.5	1268.1	1274.3	1278.8
67.5°	1305.0	1277.0	1237.8	1260.5	1238.7	1261.0	1259.6	1212.9	1248.9	1256.5	1232.0
70°	1226.2	1227.1	1184.0	1196.4	1173.3	1170.6	1190.6	1158.6	1188.0	1182.2	1166.6
72.5°	1123.0	1115.0	1072.7	1097.2	1050.4	1074.9	1084.3	1061.1	1078.9	1067.3	1074.5
75°	985.9	963.2	932.5	937.4	929.8	957.4	959.6	914.7	942.3	935.2	929.8
77.5°	819.4	800.7	782.5	770.0	769.6	769.1	784.7	758.9	777.6	781.1	758.9
80°	614.7	616.5	603.1	607.6	584.4	595.1	597.3	599.5	589.3	593.3	584.9
82.5°	428.6	426.9	419.7	412.2	418.8	431.7	423.7	415.7	409.9	417.5	423.7
85°	238.6	241.2	238.6	233.2	244.8	235.9	237.2	230.6	232.8	228.8	229.2
87.5°	67.2	70.8	69.0	67.7	66.3	64.1	74.8	67.2	61.4	63.6	64.1
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)