

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: P553673

Luminaire Tested: **ARB-B3-LED-D1-T5-7030**

Issue Date: 7/12/2021

Test Information

Test Method: LM-79-08
Report Number: P553673
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-B3-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: 7878 lumens
Efficiency: N/A
Efficacy: 91.6 lumens/watt
Luminous Opening: Circular (Dia: 1.62' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G3

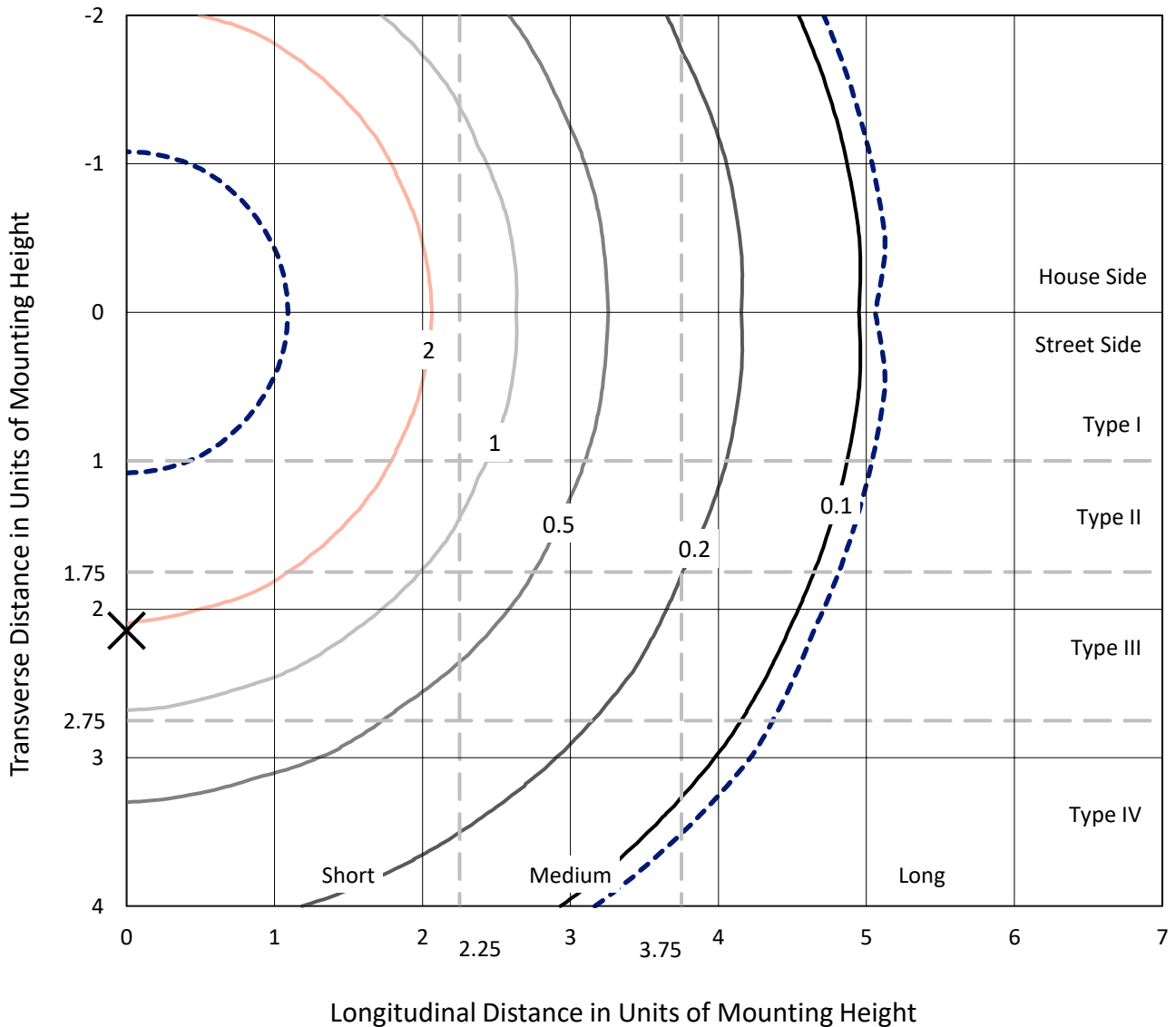
Input Watts (W): 86
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

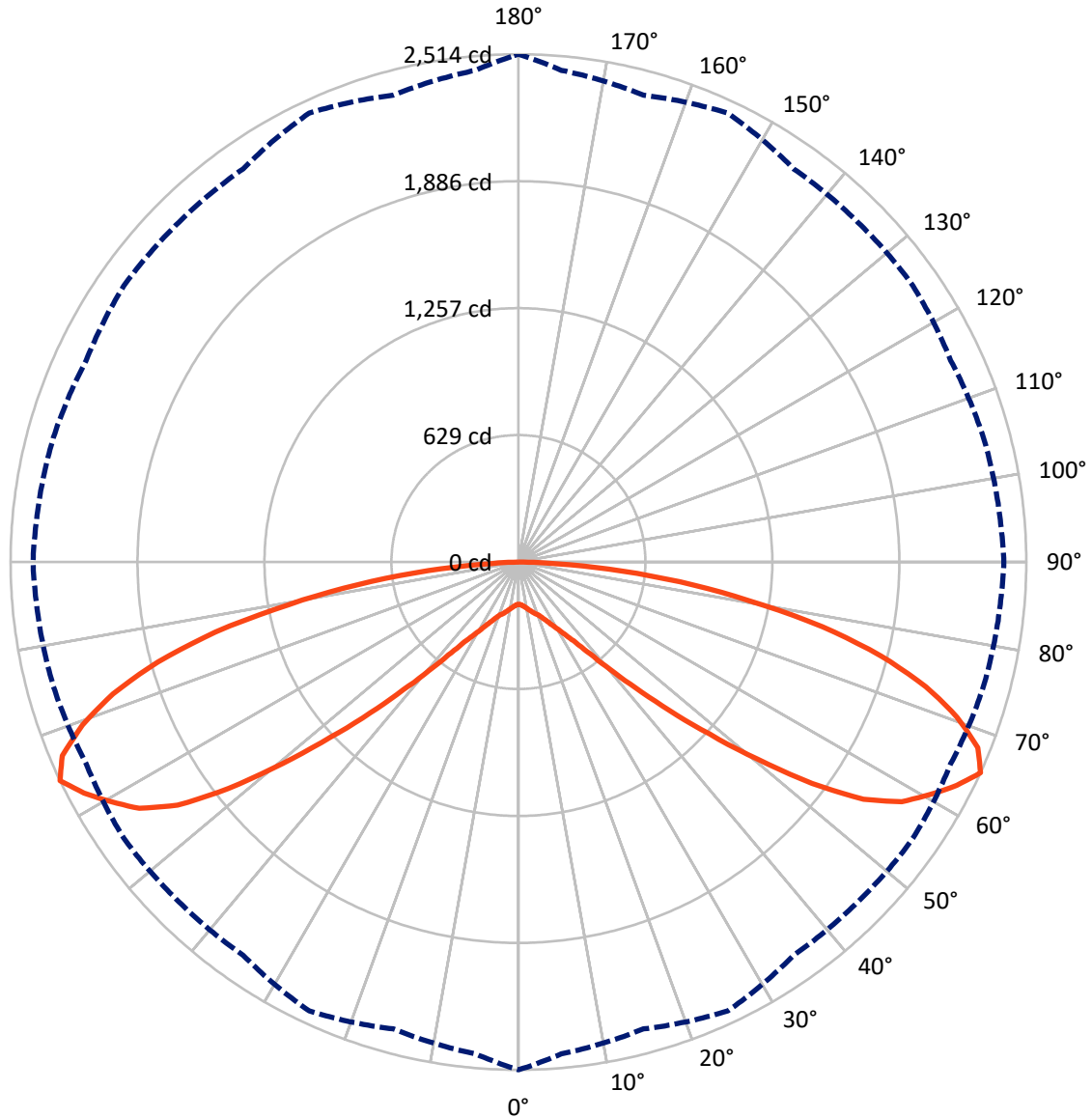
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 4.1 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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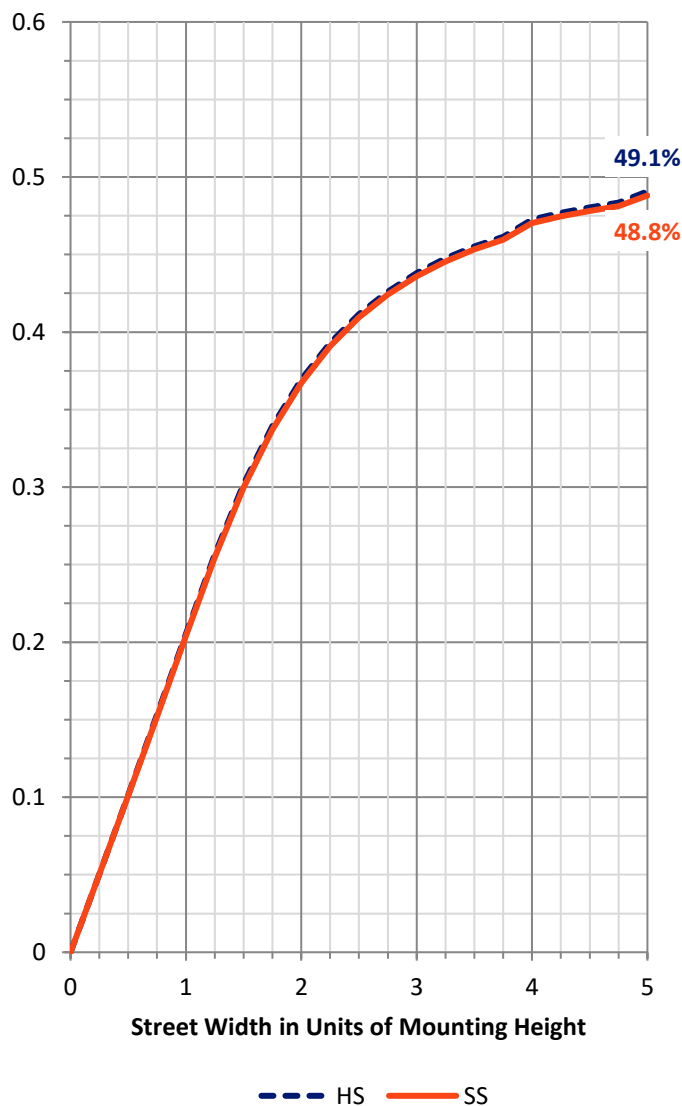
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3939.0	0.0	3939.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3939.0	0.0	3939.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	7878.0	0.0	7878.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	21.2	0.3
10°-20°	72.5	0.9
20°-30°	149.3	1.9
30°-40°	322.6	4.1
40°-50°	832.0	10.6
50°-60°	1795.0	22.8
60°-70°	2334.0	29.6
70°-80°	1829.2	23.2
80°-90°	522.2	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°	7878.0	100.0
0°-180°	7878.0	100.0

Coefficient of Utilization



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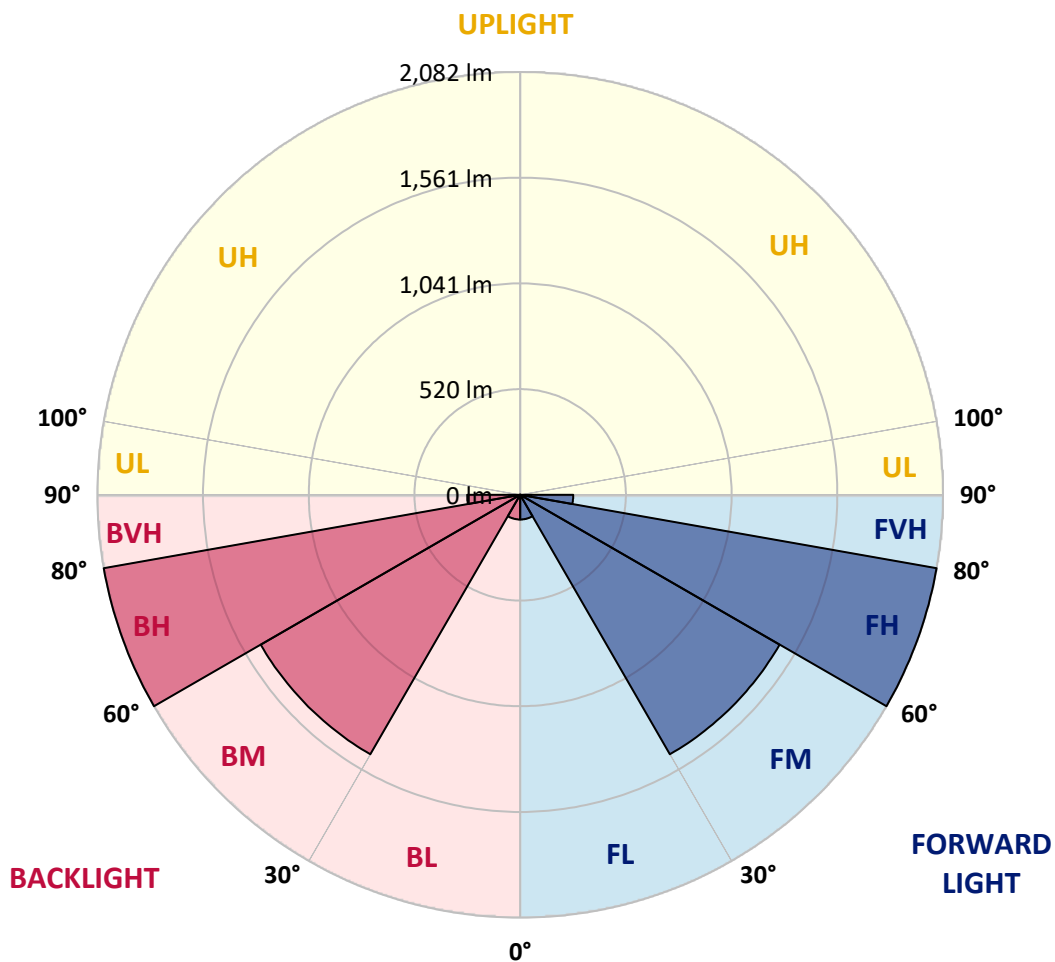
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	121.5	1.5			
FM (30°-60°)	1474.8	18.7			
FH (60°-80°)	2081.6	26.4			G2/5000
FVH (80°-90°)	261.1	3.3			G3/500
BL (0°-30°)	121.5	1.5	B1/500		
BM (30°-60°)	1474.8	18.7	B2/2500		
BH (60°-80°)	2081.6	26.4	B3/2500		G2/5000
BVH (80°-90°)	261.1	3.3			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	209.1	209.1	209.1	209.1	209.1	209.1	209.1	209.1	209.1	209.1	209.1
2.5°	210.8	210.8	210.8	210.8	210.8	210.8	210.8	210.8	210.8	210.8	210.8
5°	216.6	216.6	216.6	216.6	216.6	216.6	215.8	215.8	215.8	215.8	215.8
7.5°	224.2	224.2	224.2	224.2	224.2	223.3	223.3	223.3	223.3	223.3	223.3
10°	233.4	233.4	233.4	233.4	233.4	232.5	232.5	232.5	231.7	232.5	232.5
12.5°	244.2	243.4	243.4	243.4	242.6	242.6	241.7	240.9	240.9	240.9	241.7
15°	256.0	255.1	254.3	254.3	253.5	253.5	252.6	251.8	250.9	251.8	251.8
17.5°	268.5	268.5	266.8	265.2	266.8	266.8	266.0	263.5	261.8	261.8	261.8
20°	278.5	277.7	273.5	275.2	276.9	278.5	276.9	271.0	267.7	270.2	271.0
22.5°	297.8	297.8	292.8	292.8	296.9	299.5	294.4	289.4	285.2	287.7	288.6
25°	322.0	322.9	317.0	314.5	319.5	322.9	319.5	310.3	307.0	309.5	310.3
27.5°	351.3	350.5	344.6	341.3	346.3	351.3	348.0	338.8	332.9	334.6	334.6
30°	387.3	387.3	379.8	375.6	382.3	385.6	383.9	373.1	368.0	365.5	366.4
32.5°	431.6	430.8	424.9	424.1	428.3	430.8	426.6	416.6	412.4	413.2	414.9
35°	487.7	490.2	491.8	491.8	493.5	499.4	488.5	478.5	481.8	479.3	478.5
37.5°	576.3	576.3	583.9	588.9	592.2	587.2	573.8	573.0	573.8	578.8	575.5
40°	697.6	694.3	698.5	706.0	702.6	700.1	700.1	687.6	689.3	687.6	691.8
42.5°	849.9	852.4	846.5	853.2	844.0	843.2	851.5	847.3	832.3	836.5	828.9
45°	1046.4	1048.9	1044.8	1034.7	1038.1	1047.3	1043.1	1044.8	1028.9	1023.8	1029.7
47.5°	1271.4	1270.6	1271.4	1256.4	1262.2	1266.4	1270.6	1258.1	1244.7	1249.7	1250.5
50°	1534.1	1524.9	1524.9	1500.6	1525.7	1525.7	1514.0	1519.0	1501.5	1511.5	1510.7
52.5°	1821.0	1821.0	1831.0	1787.5	1817.7	1805.9	1794.2	1797.6	1784.2	1796.7	1806.8
55°	2073.6	2066.9	2067.8	2037.6	2070.3	2051.0	2027.6	2038.5	2027.6	2048.5	2059.4
57.5°	2238.4	2233.4	2217.5	2213.3	2215.8	2207.4	2174.8	2179.0	2189.0	2218.3	2213.3
60°	2338.8	2353.0	2316.2	2313.7	2321.2	2325.4	2290.3	2261.0	2300.3	2325.4	2314.5
62.5°	2435.8	2438.3	2394.8	2397.3	2412.4	2371.4	2383.9	2343.0	2378.1	2384.8	2404.0
65°	2514.4	2444.2	2393.1	2452.5	2376.4	2378.1	2384.8	2361.4	2383.1	2394.8	2403.2
67.5°	2452.5	2399.8	2326.2	2368.9	2327.9	2369.7	2367.2	2279.4	2347.1	2361.4	2315.4
70°	2304.5	2306.2	2225.0	2248.4	2204.9	2199.9	2237.6	2177.3	2232.5	2221.7	2192.4
72.5°	2110.4	2095.4	2015.9	2061.9	1974.1	2020.1	2037.6	1994.1	2027.6	2005.9	2019.2
75°	1852.8	1810.1	1752.4	1761.6	1747.4	1799.3	1803.4	1718.9	1770.8	1757.4	1747.4
77.5°	1539.9	1504.8	1470.5	1447.1	1446.3	1445.4	1474.7	1426.2	1461.3	1468.0	1426.2
80°	1155.2	1158.5	1133.4	1141.8	1098.3	1118.4	1122.5	1126.7	1107.5	1115.0	1099.1
82.5°	805.5	802.2	788.8	774.6	787.1	811.4	796.3	781.3	770.4	784.6	796.3
85°	448.3	453.4	448.3	438.3	460.1	443.3	445.8	433.3	437.5	429.9	430.8
87.5°	126.3	133.0	129.7	127.1	124.6	120.5	140.5	126.3	115.4	119.6	120.5
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)