

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: P553662

Luminaire Tested: **ARB-B2-LED-D1-T5-8030**

Issue Date: 7/12/2021

Test Information

Test Method: LM-79-08
Report Number: P553662
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-T5-8030
Description: ARBOR OUTDOOR ARCHITECTURAL POST TOP
80 CRI, 3000K LEDS AND TYPE V OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3783 lumens
Efficiency: N/A
Efficacy: 92.3 lumens/watt
Luminous Opening: Circular (Dia: 1.62' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G2

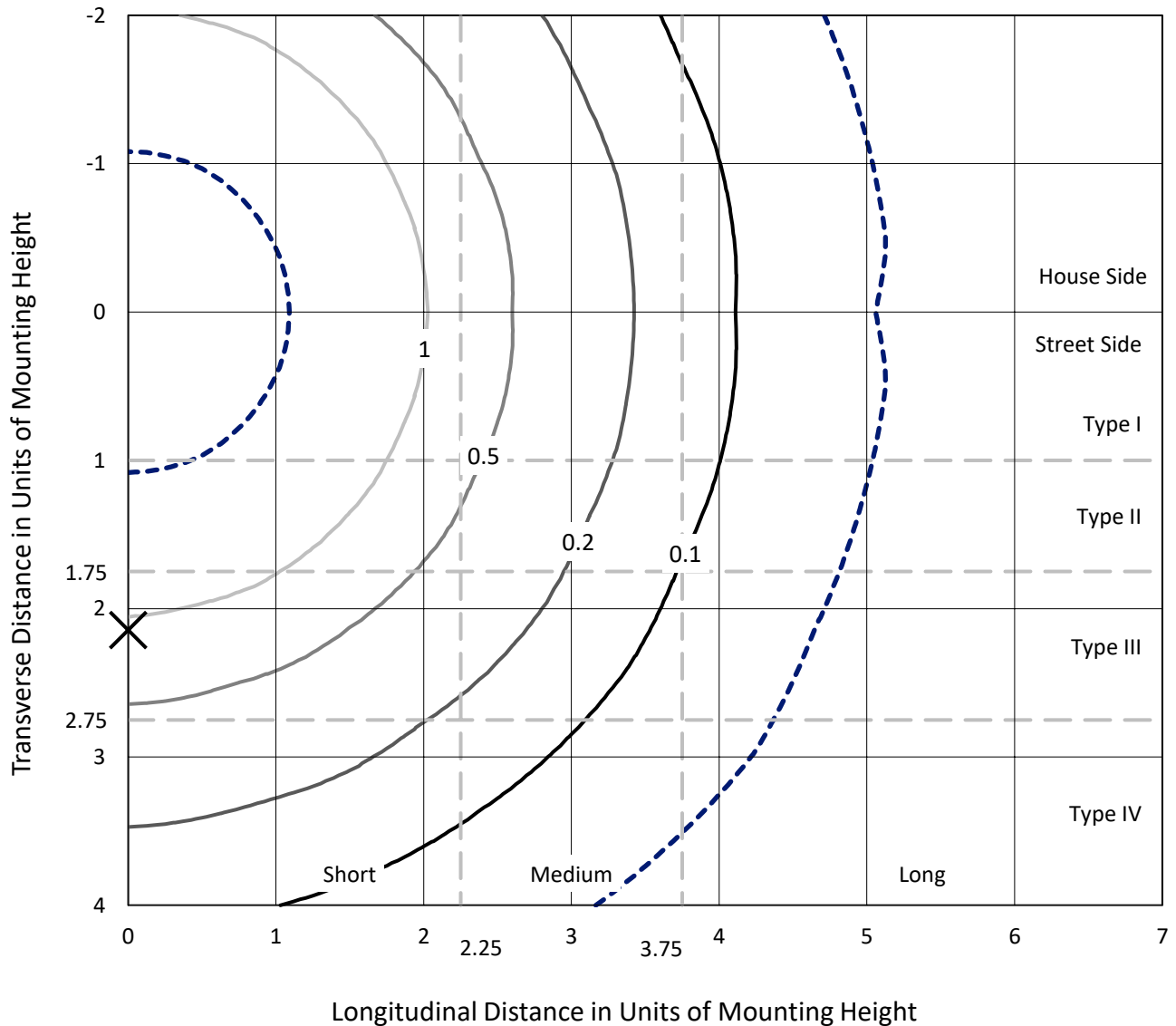
Input Watts (W): 41
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P553662
 CATALOG NUMBER: ARB-B2-LED-D1-T5-8030

Iso-Footcandle Lines of Horizontal Illumination

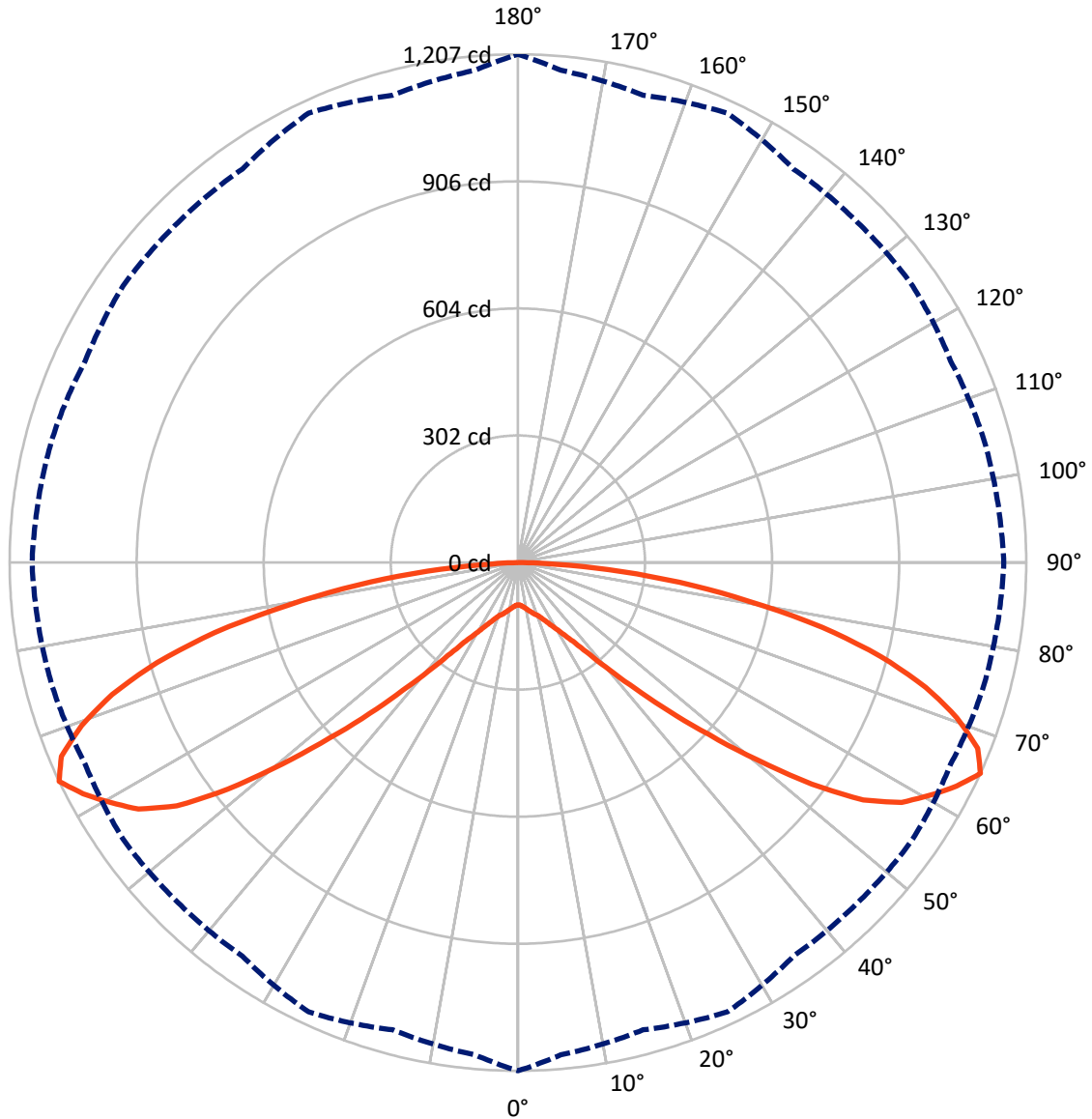
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 2 fc
 Type V - Short - N/A

REPORT NUMBER: P553662
CATALOG NUMBER: ARB-B2-LED-D1-T5-8030

Luminous Intensity Polar Plot



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

REPORT NUMBER: P553662

CATALOG NUMBER: ARB-B2-LED-D1-T5-8030

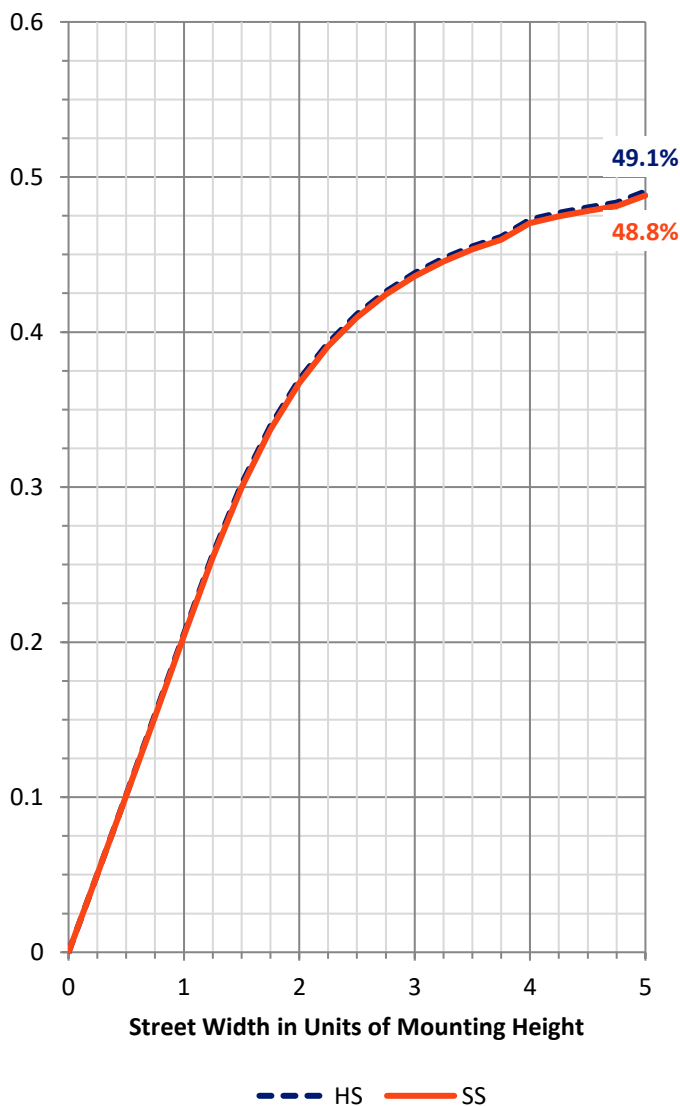
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1891.5	0.0	1891.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1891.5	0.0	1891.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	3783.0	0.0	3783.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10.2	0.3
10°-20°	34.8	0.9
20°-30°	71.7	1.9
30°-40°	154.9	4.1
40°-50°	399.5	10.6
50°-60°	862.0	22.8
60°-70°	1120.8	29.6
70°-80°	878.4	23.2
80°-90°	250.8	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°	3783.0	100.0
0°-180°	3783.0	100.0

Coefficient of Utilization



REPORT NUMBER: P553662

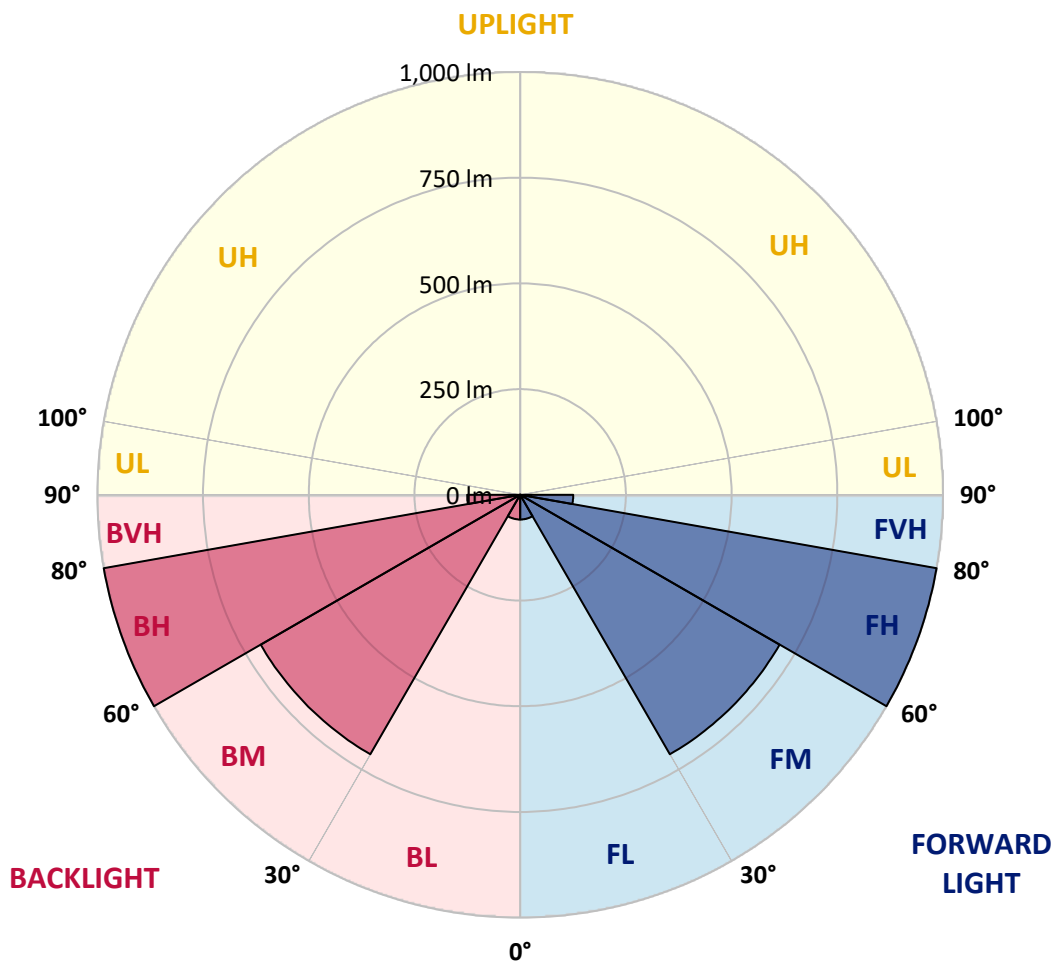
CATALOG NUMBER: ARB-B2-LED-D1-T5-8030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	58.3	1.5			
FM (30°-60°)	708.2	18.7			
FH (60°-80°)	999.6	26.4			G1/1800
FVH (80°-90°)	125.4	3.3			G2/225
BL (0°-30°)	58.3	1.5	B0/110		
BM (30°-60°)	708.2	18.7	B1/1000		
BH (60°-80°)	999.6	26.4	B2/1000		G1/1800
BVH (80°-90°)	125.4	3.3			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type V Short





REPORT NUMBER: P553662
 CATALOG NUMBER: ARB-B2-LED-D1-T5-8030

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	100.4	100.4	100.4	100.4	100.4	100.4	100.4	100.4	100.4	100.4	100.4
2.5°	101.2	101.2	101.2	101.2	101.2	101.2	101.2	101.2	101.2	101.2	101.2
5°	104.0	104.0	104.0	104.0	104.0	104.0	103.6	103.6	103.6	103.6	103.6
7.5°	107.6	107.6	107.6	107.6	107.6	107.2	107.2	107.2	107.2	107.2	107.2
10°	112.1	112.1	112.1	112.1	112.1	111.7	111.7	111.7	111.3	111.7	111.7
12.5°	117.3	116.9	116.9	116.9	116.5	116.5	116.1	115.7	115.7	115.7	116.1
15°	122.9	122.5	122.1	122.1	121.7	121.7	121.3	120.9	120.5	120.9	120.9
17.5°	128.9	128.9	128.1	127.3	128.1	128.1	127.7	126.5	125.7	125.7	125.7
20°	133.8	133.4	131.3	132.2	133.0	133.8	133.0	130.1	128.5	129.7	130.1
22.5°	143.0	143.0	140.6	140.6	142.6	143.8	141.4	139.0	137.0	138.2	138.6
25°	154.6	155.0	152.2	151.0	153.4	155.0	153.4	149.0	147.4	148.6	149.0
27.5°	168.7	168.3	165.5	163.9	166.3	168.7	167.1	162.7	159.9	160.7	160.7
30°	186.0	186.0	182.4	180.4	183.6	185.2	184.4	179.1	176.7	175.5	175.9
32.5°	207.3	206.9	204.0	203.6	205.7	206.9	204.9	200.0	198.0	198.4	199.2
35°	234.2	235.4	236.2	236.2	237.0	239.8	234.6	229.8	231.4	230.2	229.8
37.5°	276.8	276.8	280.4	282.8	284.4	282.0	275.5	275.1	275.5	278.0	276.4
40°	335.0	333.4	335.4	339.0	337.4	336.2	336.2	330.2	331.0	330.2	332.2
42.5°	408.1	409.3	406.5	409.7	405.3	404.9	408.9	406.9	399.7	401.7	398.1
45°	502.5	503.7	501.7	496.9	498.5	502.9	500.9	501.7	494.1	491.6	494.5
47.5°	610.5	610.1	610.5	603.3	606.1	608.1	610.1	604.1	597.7	600.1	600.5
50°	736.7	732.2	732.2	720.6	732.7	732.7	727.0	729.4	721.0	725.8	725.4
52.5°	874.4	874.4	879.3	858.4	872.8	867.2	861.6	863.2	856.8	862.8	867.6
55°	995.7	992.5	992.9	978.5	994.1	984.9	973.7	978.9	973.7	983.7	988.9
57.5°	1074.9	1072.5	1064.8	1062.8	1064.0	1060.0	1044.3	1046.4	1051.2	1065.2	1062.8
60°	1123.1	1129.9	1112.2	1111.0	1114.6	1116.6	1099.8	1085.7	1104.6	1116.6	1111.4
62.5°	1169.7	1170.9	1150.0	1151.2	1158.4	1138.7	1144.8	1125.1	1142.0	1145.2	1154.4
65°	1207.4	1173.7	1149.2	1177.7	1141.2	1142.0	1145.2	1133.9	1144.4	1150.0	1154.0
67.5°	1177.7	1152.4	1117.1	1137.5	1117.9	1137.9	1136.7	1094.6	1127.1	1133.9	1111.8
70°	1106.6	1107.4	1068.4	1079.7	1058.8	1056.4	1074.5	1045.6	1072.1	1066.8	1052.8
72.5°	1013.4	1006.2	968.0	990.1	947.9	970.0	978.5	957.6	973.7	963.2	969.6
75°	889.7	869.2	841.5	845.9	839.1	864.0	866.0	825.4	850.3	843.9	839.1
77.5°	739.5	722.6	706.1	694.9	694.5	694.1	708.1	684.9	701.7	704.9	684.9
80°	554.7	556.3	544.3	548.3	527.4	537.0	539.0	541.1	531.8	535.4	527.8
82.5°	386.8	385.2	378.8	371.9	378.0	389.6	382.4	375.2	369.9	376.8	382.4
85°	215.3	217.7	215.3	210.5	220.9	212.9	214.1	208.1	210.1	206.5	206.9
87.5°	60.7	63.9	62.3	61.1	59.8	57.8	67.5	60.7	55.4	57.4	57.8
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)