

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: McGRAW-EDISON

Report Number: P413354

Luminaire Tested: **BRT6-AX-AMB-U-T5-XX-BK**

Issue Date: 8/18/2020

Test Information

Test Method: LM-79-08
Report Number: P413354
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2004-745-4,
Test Lab: INNOVATION CENTER
Issue Date: 8/18/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: BRT6-AX-AMB-U-T5-XX-BK
Description: BOLLARD 6INCH ROUND BASE, TYPE V SYMMETRICAL, AMBER, BLACK FINISH
Light Source: (20) 1620K CCT, 0 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 575 lumens
Efficiency: N/A
Efficacy: 27.8 lumens/watt
Luminous Opening: Circular (Dia: 0.5' x H: 0')
IES Classification: Type V - Short - Full Cutoff
BUG Rating: B0 - U0 - G0

Input Watts (W): 20.7
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



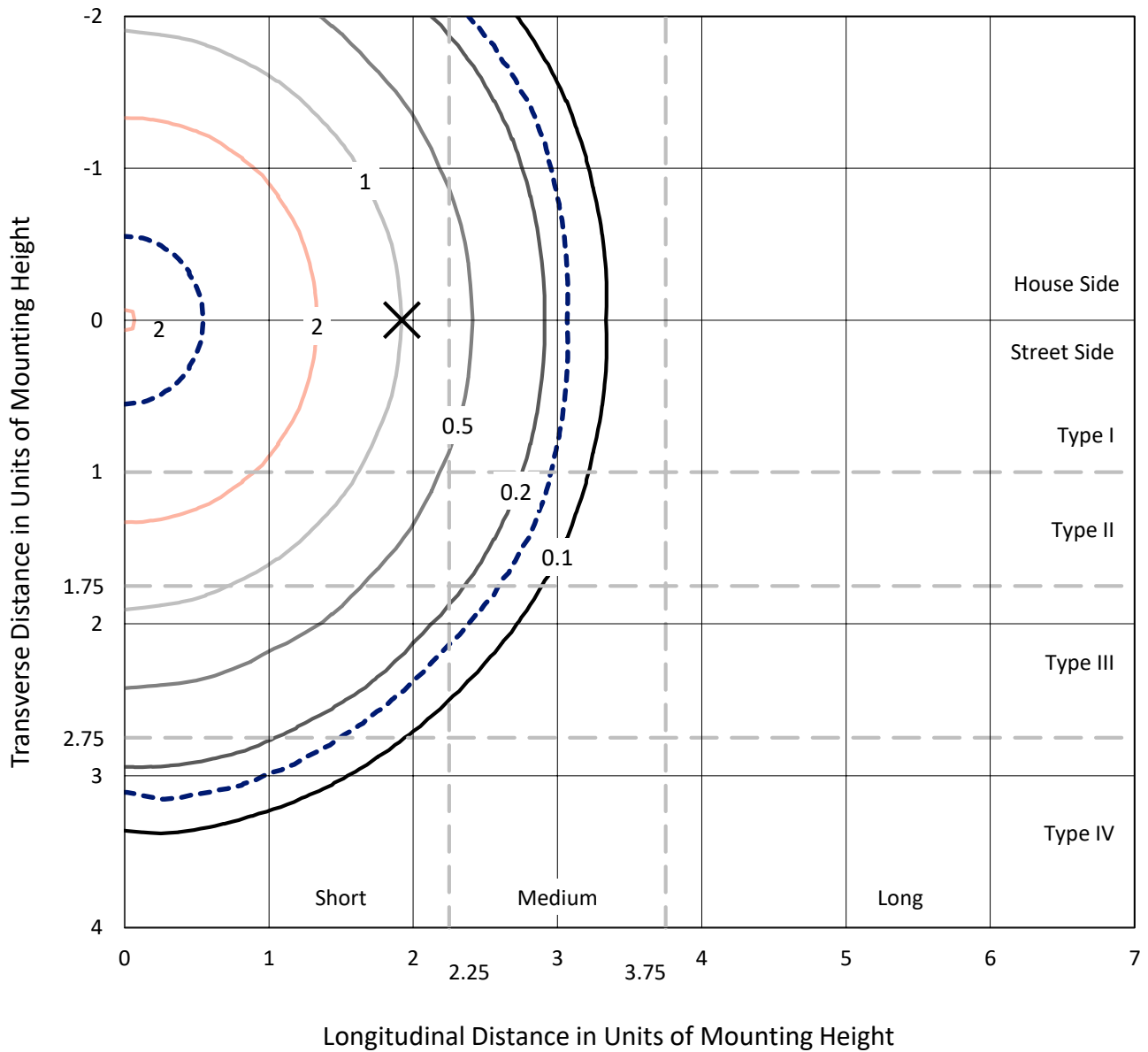
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

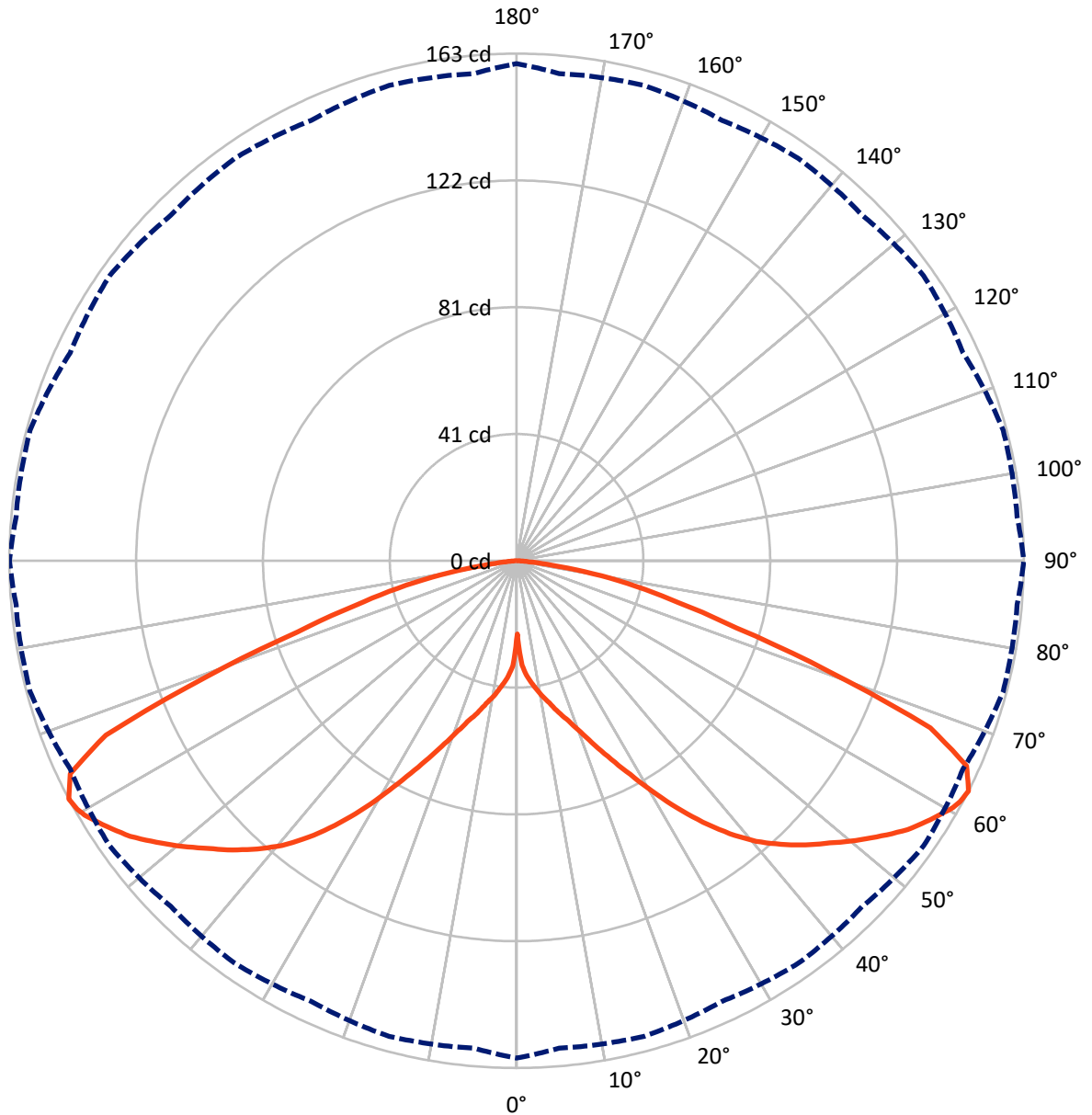


Based on 4 foot mounting height. Maximum calculated value = 3.6 fc
 Type V - Short - Full Cutoff

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Luminous Intensity Polar Plot



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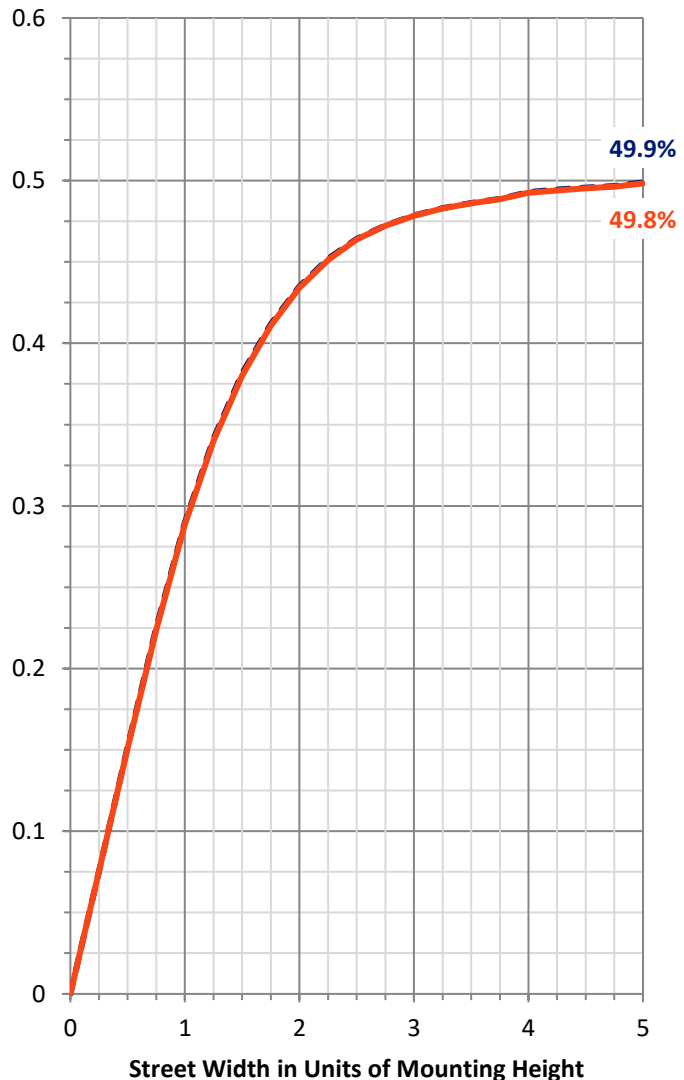
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	287.5	0.0	287.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	287.5	0.0	287.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	575.0	0.0	575.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.7	0.7
10°-20°	14.4	2.5
20°-30°	32.7	5.7
30°-40°	65.8	11.4
40°-50°	104.0	18.1
50°-60°	135.8	23.6
60°-70°	146.3	25.5
70°-80°	63.8	11.1
80°-90°	8.5	1.5
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°	575.0	100.0
0°-180°	575.0	100.0

Coefficient of Utilization



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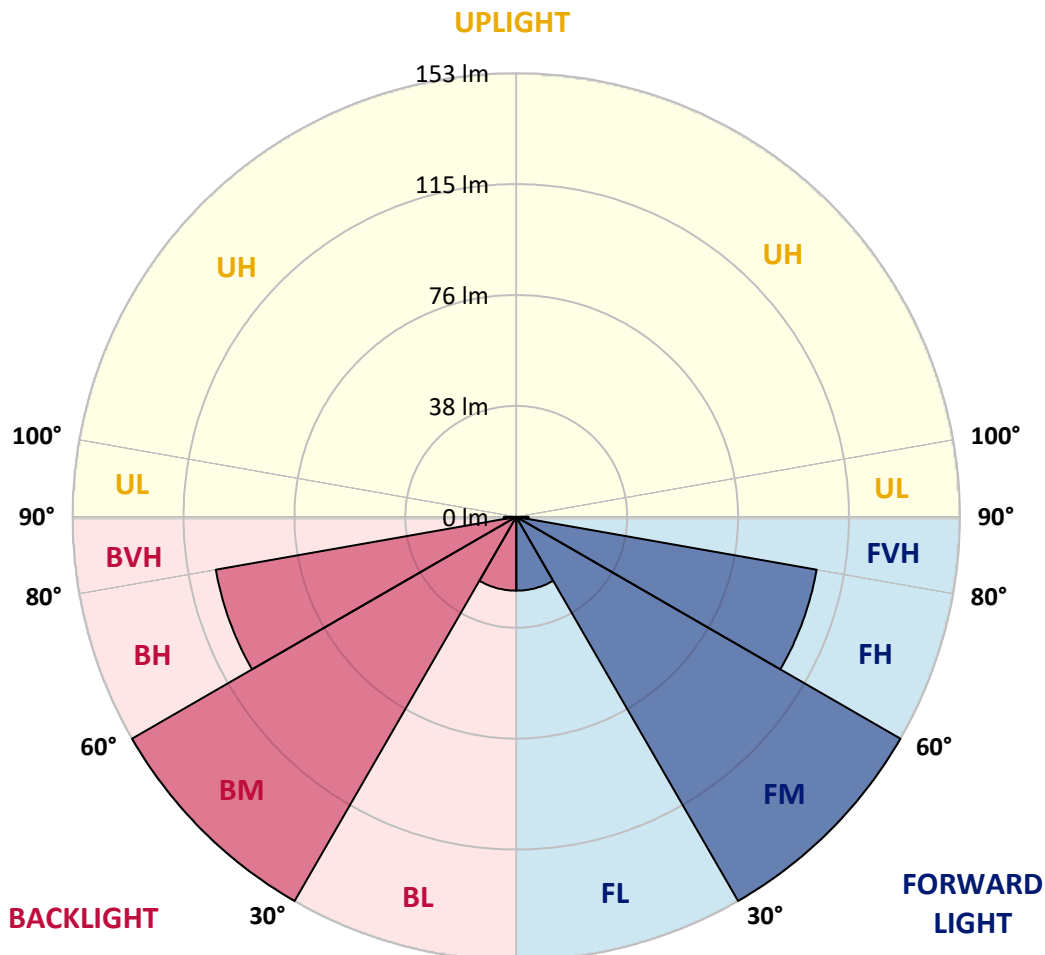
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	25.4	4.4			
FM	(30°-60°)	152.8	26.6			
FH	(60°-80°)	105.1	18.3			G0/660
FVH	(80°-90°)	4.2	0.7			G0/10
BL	(0°-30°)	25.4	4.4	B0/110		
BM	(30°-60°)	152.8	26.6	B0/220		
BH	(60°-80°)	105.1	18.3	B0/110		G0/660
BVH	(80°-90°)	4.2	0.7			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G0

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	23.5	23.5	23.5	23.5	23.5	23.5	23.5	23.5	23.5	23.5	23.5
2.5°	33.0	33.0	32.7	33.4	33.1	33.6	33.4	34.1	33.8	33.8	33.6
5°	37.9	37.6	37.4	37.3	37.6	37.7	37.6	37.9	38.0	38.0	37.7
7.5°	40.6	40.6	40.3	41.0	40.3	41.2	40.7	41.3	40.9	41.0	40.7
10°	43.2	43.6	43.3	43.9	43.2	44.3	43.6	44.3	43.8	44.0	43.9
12.5°	45.6	46.4	46.1	46.8	45.8	47.4	46.5	47.6	46.8	47.2	46.8
15°	48.5	49.2	49.1	49.7	48.8	50.4	49.5	50.9	50.1	50.7	50.5
17.5°	51.9	52.6	52.2	53.2	52.2	54.1	53.1	54.9	54.0	54.5	54.0
20°	55.5	56.4	56.1	57.3	56.2	58.0	57.3	59.2	58.4	59.4	58.7
22.5°	61.0	61.4	61.0	62.1	61.1	63.1	62.5	64.3	63.4	64.6	64.3
25°	67.6	68.0	67.6	68.5	67.6	69.6	68.9	70.6	69.9	71.0	70.6
27.5°	75.5	76.2	75.2	76.2	74.9	76.9	75.8	77.9	77.0	78.2	77.7
30°	85.2	85.7	84.5	85.4	83.9	85.8	84.4	86.2	85.2	86.0	85.8
32.5°	95.3	95.5	94.7	95.3	93.7	95.3	93.6	94.8	94.1	94.4	94.6
35°	104.8	106.0	104.6	105.6	103.9	105.3	102.7	104.0	102.7	103.3	103.1
37.5°	115.2	116.0	114.5	115.7	113.5	114.3	111.9	112.8	111.3	111.6	111.2
40°	123.7	124.5	123.4	124.4	122.4	122.7	120.4	120.9	119.3	118.8	118.5
42.5°	130.5	131.1	130.5	131.3	129.9	130.0	128.1	127.8	126.0	124.8	124.5
45°	135.3	135.7	135.7	137.2	136.1	136.1	134.3	134.2	131.7	131.3	130.2
47.5°	139.7	139.9	140.0	141.6	141.1	141.4	139.3	139.4	137.3	136.7	135.4
50°	143.5	143.5	143.8	145.5	144.5	145.9	143.8	144.2	142.5	142.1	141.2
52.5°	146.5	147.0	147.2	149.0	147.8	149.7	147.8	148.4	146.9	146.6	146.8
55°	149.8	150.5	150.8	152.3	150.9	153.1	151.8	152.1	151.5	151.1	152.4
57.5°	153.9	153.8	153.9	154.4	153.8	155.4	155.5	155.0	156.1	155.0	156.8
60°	157.7	156.6	156.7	155.8	156.6	157.0	158.5	157.4	160.1	159.1	161.0
61°	158.8	157.1	157.5	156.3	157.2	157.1	159.1	158.1	161.1	160.3	162.1
62.5°	159.7	157.1	158.1	156.1	157.8	157.0	159.6	158.2	161.8	161.4	162.9
65°	157.2	154.5	156.6	152.8	155.4	153.1	156.7	153.9	158.2	156.7	158.8
67.5°	145.8	143.8	146.2	140.2	143.9	140.0	142.6	140.8	143.9	141.6	143.3
70°	113.5	112.1	115.2	108.4	111.3	106.0	111.0	111.0	108.6	106.9	106.3
72.5°	76.3	80.8	80.2	79.1	77.0	76.6	78.0	79.2	76.9	75.2	74.0
75°	56.2	57.7	55.5	56.2	56.2	56.4	57.6	57.4	55.8	55.6	53.8
77.5°	41.7	41.4	38.8	40.0	39.9	40.3	39.6	40.9	39.1	40.2	39.2
80°	26.1	26.8	24.6	26.0	25.7	26.2	25.1	26.8	24.8	26.1	24.8
82.5°	12.8	13.2	12.0	13.5	12.0	13.4	12.0	13.5	11.7	12.6	11.3
85°	3.9	4.0	3.9	4.0	3.9	3.9	3.9	4.3	3.7	4.1	4.0
87.5°	2.0	1.9	1.7	1.7	1.7	1.6	1.6	1.7	1.6	1.6	1.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



Report Generated By E9970913

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Scaled Data Report





— Vertical Plane Through 90-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical



--- HS — SS



0°



(END OF REPORT)