

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: P#

Luminaire Tested: **BRT6-A2-727-U-T5-XX-BK**

Issue Date: 1/14/2021

Test Information

Test Method: LM-79-08
Report Number: P#
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2004-745-4)
Test Lab: INNOVATION CENTER
Issue Date: 1/14/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: BRT6-A2-727-U-T5-XX-BK
Description: BOLLARD 6INCH ROUND BASE, 2000LM, TYPE V SYMMETRICAL, BLACK FINISH
Light Source: (20) 2700K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1848 lumens
Efficiency: N/A
Efficacy: 100.4 lumens/watt
Luminous Opening: Circular (Dia: 0.5' x H: 0')
IES Classification: Type V - Short - Full Cutoff
BUG Rating: B1 - U0 - G1

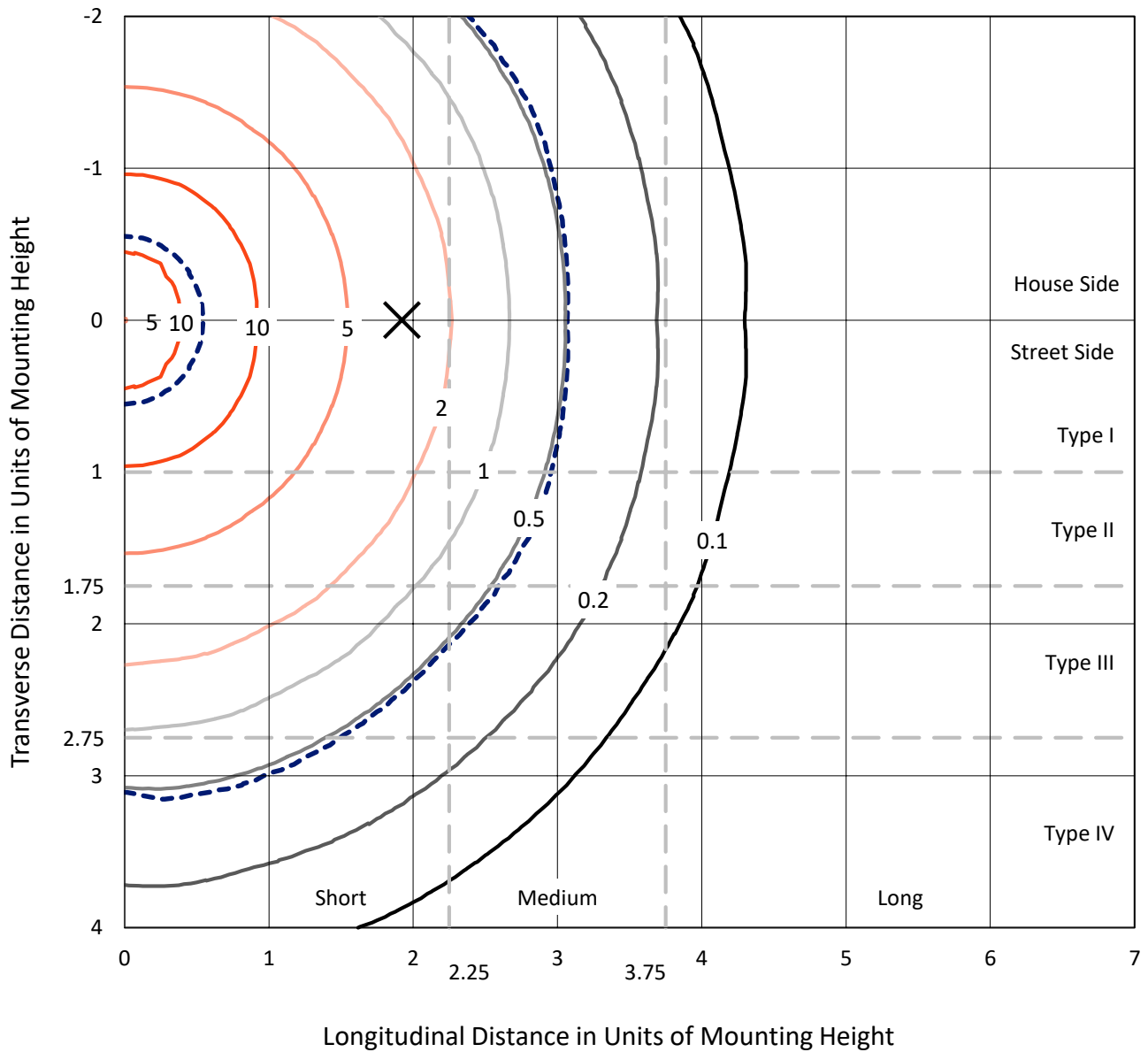
Input Watts (W): 18.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

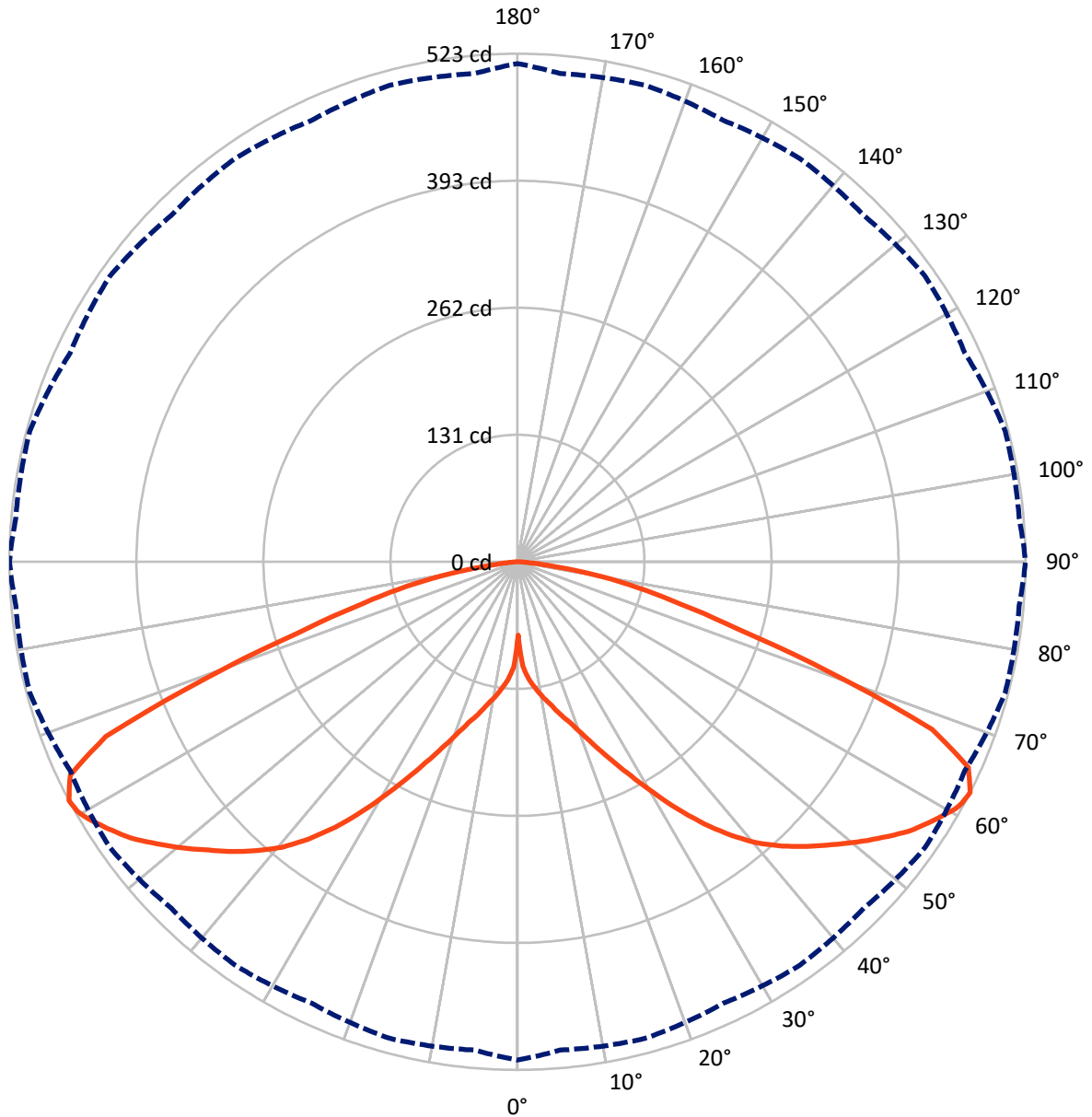
✕ Max cd
 - - - 1/2 Max cd



Based on 4 foot mounting height. Maximum calculated value = 11.6 fc
 Type V - Short - Full Cutoff

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Luminous Intensity Polar Plot



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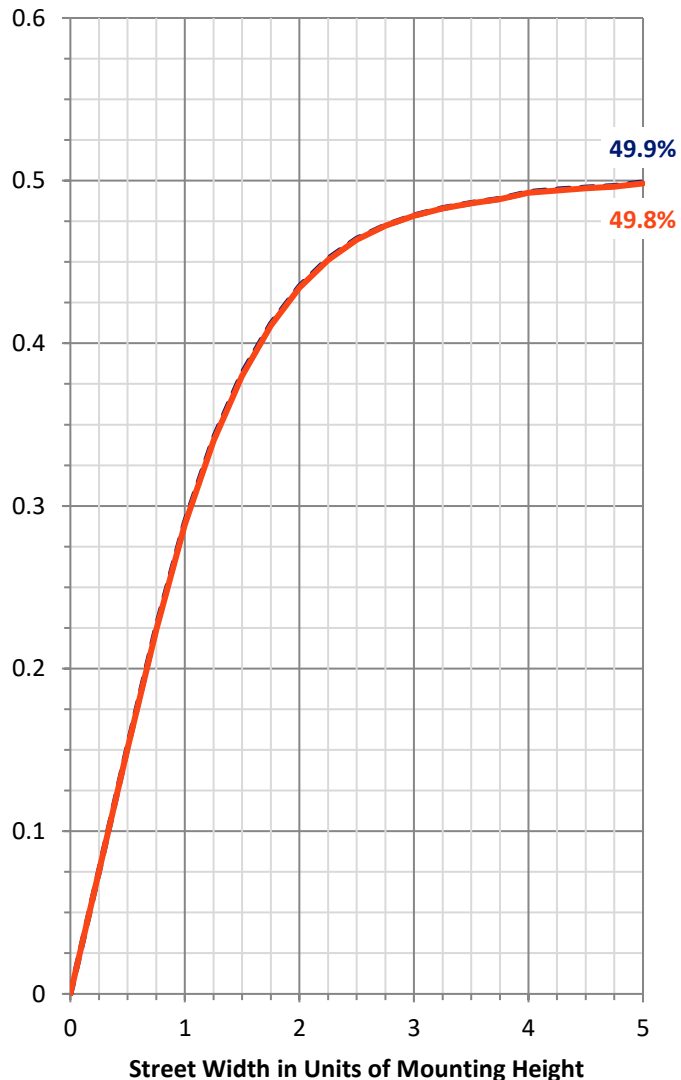
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	924.0	0.0	924.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	924.0	0.0	924.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	1848.0	0.0	1848.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	12.0	0.7
10°-20°	46.3	2.5
20°-30°	105.1	5.7
30°-40°	211.3	11.4
40°-50°	334.2	18.1
50°-60°	436.5	23.6
60°-70°	470.4	25.5
70°-80°	204.9	11.1
80°-90°	27.2	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°	1848.0	100.0
0°-180°	1848.0	100.0

Coefficient of Utilization



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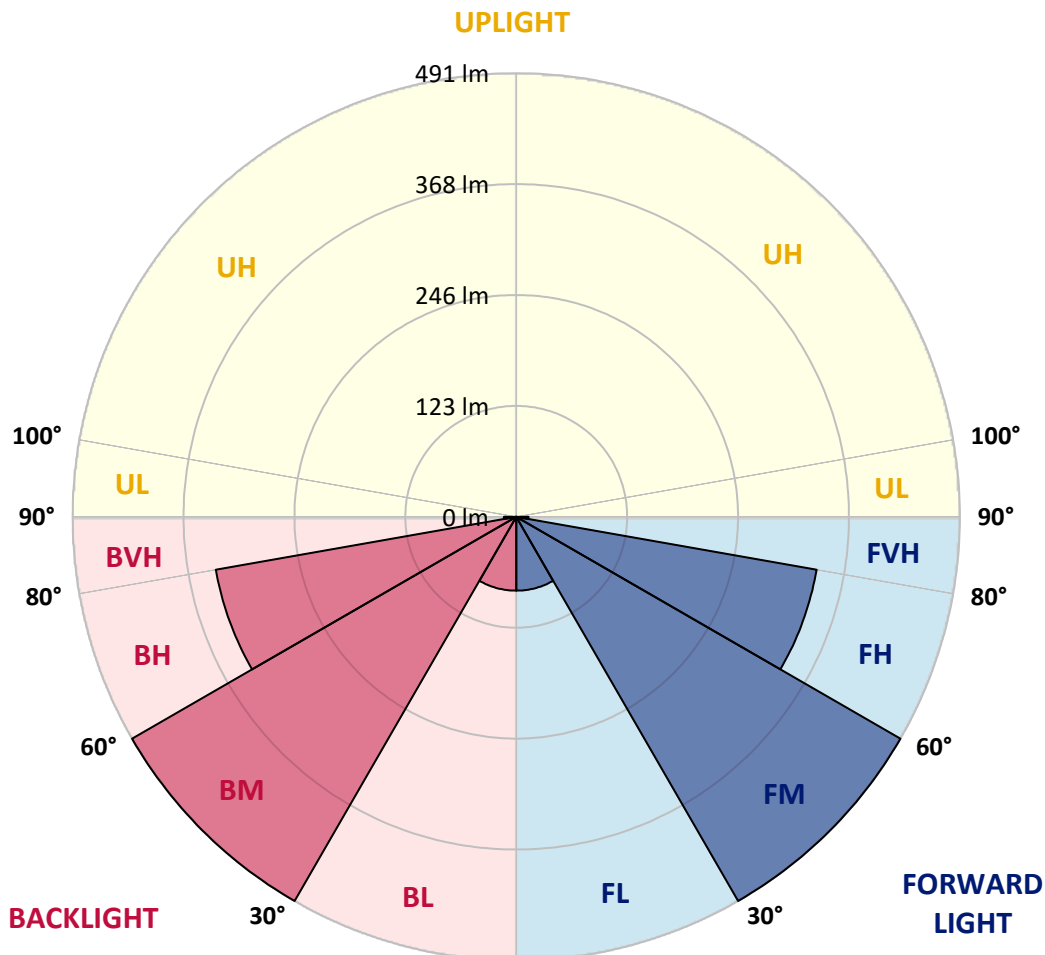
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	81.7	4.4			
FM (30°-60°)	491.0	26.6			
FH (60°-80°)	337.6	18.3			G0/660
FVH (80°-90°)	13.6	0.7			G1/100
BL (0°-30°)	81.7	4.4	B0/110		
BM (30°-60°)	491.0	26.6	B1/1000		
BH (60°-80°)	337.6	18.3	B1/500		G0/660
BVH (80°-90°)	13.6	0.7			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
2.5°	106.1	106.1	105.1	107.4	106.5	107.9	107.4	109.8	108.8	108.8	107.9
5°	121.7	120.8	120.4	119.9	120.8	121.3	120.8	121.7	122.2	122.2	121.3
7.5°	130.5	130.5	129.6	131.9	129.6	132.3	131.0	132.8	131.4	131.9	131.0
10°	138.8	140.2	139.3	141.1	138.8	142.5	140.2	142.5	140.6	141.6	141.1
12.5°	146.6	148.9	148.0	150.3	147.1	152.2	149.4	153.1	150.3	151.7	150.3
15°	155.9	158.2	157.7	159.6	156.8	161.9	159.1	163.7	160.9	162.8	162.3
17.5°	166.9	169.2	167.9	171.1	167.9	173.8	170.6	176.6	173.4	175.2	173.4
20°	178.5	181.2	180.3	184.0	180.8	186.3	184.0	190.4	187.7	190.9	188.6
22.5°	196.0	197.4	196.0	199.7	196.4	202.9	201.1	206.6	203.8	207.5	206.6
25°	217.2	218.6	217.2	220.0	217.2	223.7	221.3	226.9	224.6	228.3	226.9
27.5°	242.6	244.9	241.6	244.9	240.7	247.2	243.5	250.4	247.6	251.3	249.9
30°	273.9	275.3	271.6	274.4	269.8	275.8	271.1	277.1	273.9	276.2	275.8
32.5°	306.2	307.1	304.3	306.2	301.1	306.2	300.7	304.8	302.5	303.4	303.9
35°	336.6	340.8	336.2	339.4	333.9	338.5	330.2	334.3	330.2	332.0	331.6
37.5°	370.3	372.6	368.0	371.7	364.8	367.5	359.7	362.5	357.8	358.8	357.4
40°	397.5	400.3	396.6	399.8	393.3	394.3	386.9	388.7	383.2	381.8	380.9
42.5°	419.2	421.5	419.2	421.9	417.3	417.8	411.8	410.9	404.9	401.2	400.3
45°	434.9	436.2	436.2	440.8	437.6	437.6	431.6	431.2	423.3	421.9	418.3
47.5°	449.1	449.6	450.1	455.1	453.3	454.2	447.8	448.2	441.3	439.5	435.3
50°	461.1	461.1	462.1	467.6	464.4	469.0	462.1	463.4	457.9	456.5	453.8
52.5°	470.8	472.7	473.1	478.7	475.0	481.0	475.0	476.8	472.2	471.3	471.7
55°	481.4	483.7	484.7	489.3	485.1	492.0	487.9	488.8	487.0	485.6	489.7
57.5°	494.8	494.3	494.8	496.2	494.3	499.4	499.9	498.0	501.7	498.0	504.0
60°	506.8	503.1	503.6	500.8	503.1	504.5	509.6	505.9	514.6	511.4	517.4
61°	510.5	504.9	506.3	502.2	505.4	504.9	511.4	508.2	517.9	515.1	521.1
62.5°	513.2	504.9	508.2	501.7	507.2	504.5	512.8	508.6	520.2	518.8	523.4
65°	505.4	496.6	503.1	491.1	499.4	492.0	503.6	494.8	508.6	503.6	510.5
67.5°	468.5	462.1	469.9	450.5	462.5	450.1	458.4	452.4	462.5	455.1	460.7
70°	364.8	360.1	370.3	348.2	357.8	340.8	356.9	356.9	349.1	343.5	341.7
72.5°	245.3	259.6	257.8	254.1	247.6	246.2	250.9	254.5	247.2	241.6	237.9
75°	180.8	185.4	178.5	180.8	180.8	181.2	184.9	184.5	179.4	178.9	172.9
77.5°	134.2	133.3	124.5	128.7	128.2	129.6	127.3	131.4	125.4	129.1	125.9
80°	83.9	86.2	78.9	83.5	82.5	84.4	80.7	86.2	79.8	83.9	79.8
82.5°	41.0	42.4	38.7	43.3	38.7	42.9	38.7	43.3	37.8	40.6	36.4
85°	12.5	12.9	12.5	12.9	12.5	12.5	12.5	13.8	12.0	13.4	12.9
87.5°	6.5	6.0	5.5	5.5	5.5	5.1	5.1	5.5	5.1	5.1	5.1
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°

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1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



(END OF REPORT)