

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-A4-727-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-A4-727-U-T5-XX-BK
Description: BOLLARD 6INCH ROUND BASE, 4000LM, 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: 3680 lumens
Efficiency: N/A
Efficacy: 87.8 lumens/watt
Luminous Opening: Circular (Dia: 0.5' x H: 0')
IES Classification: Type V - Short - Full Cutoff
BUG Rating: B2 - U0 - G1

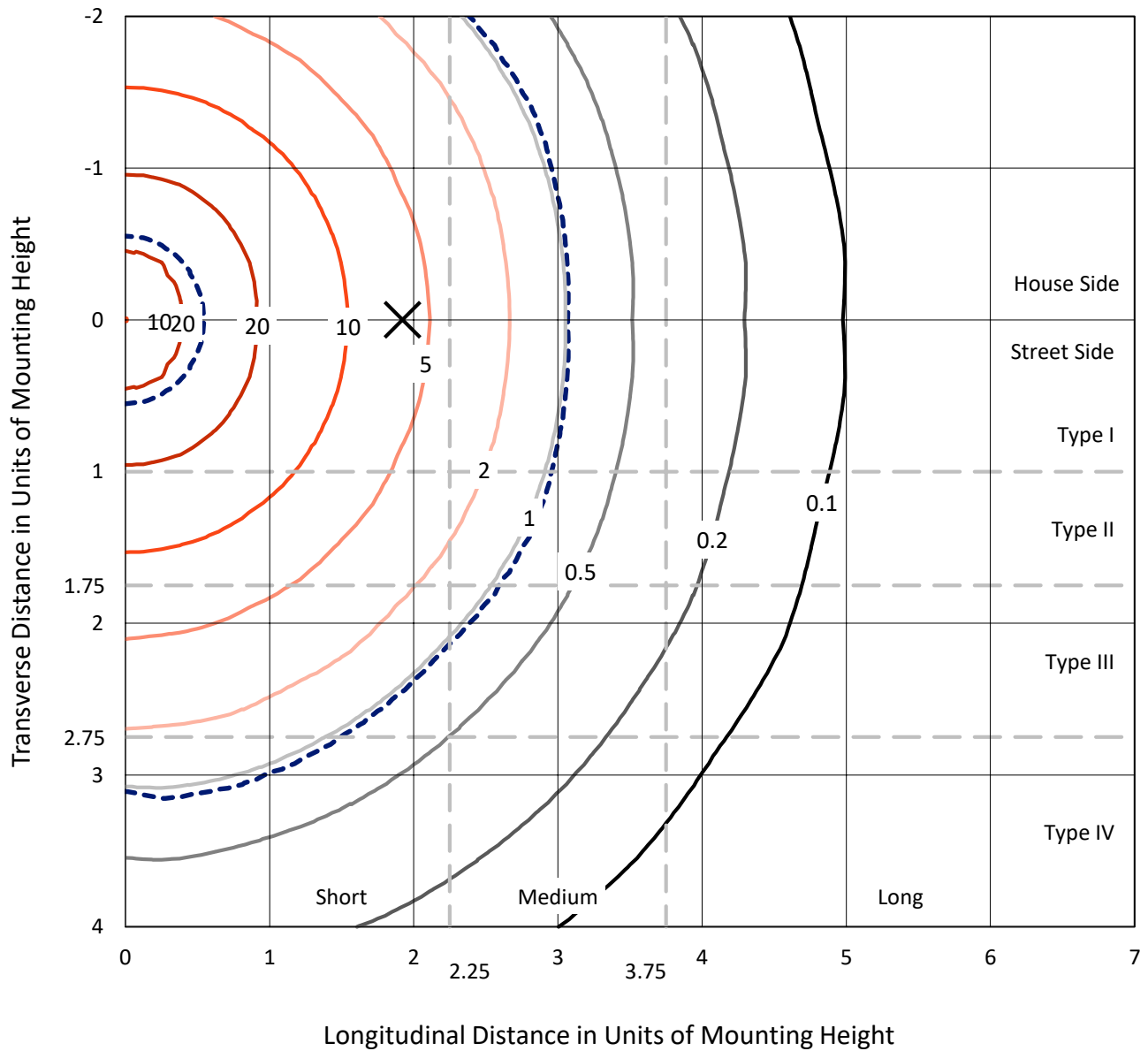
Input Watts (W): 41.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

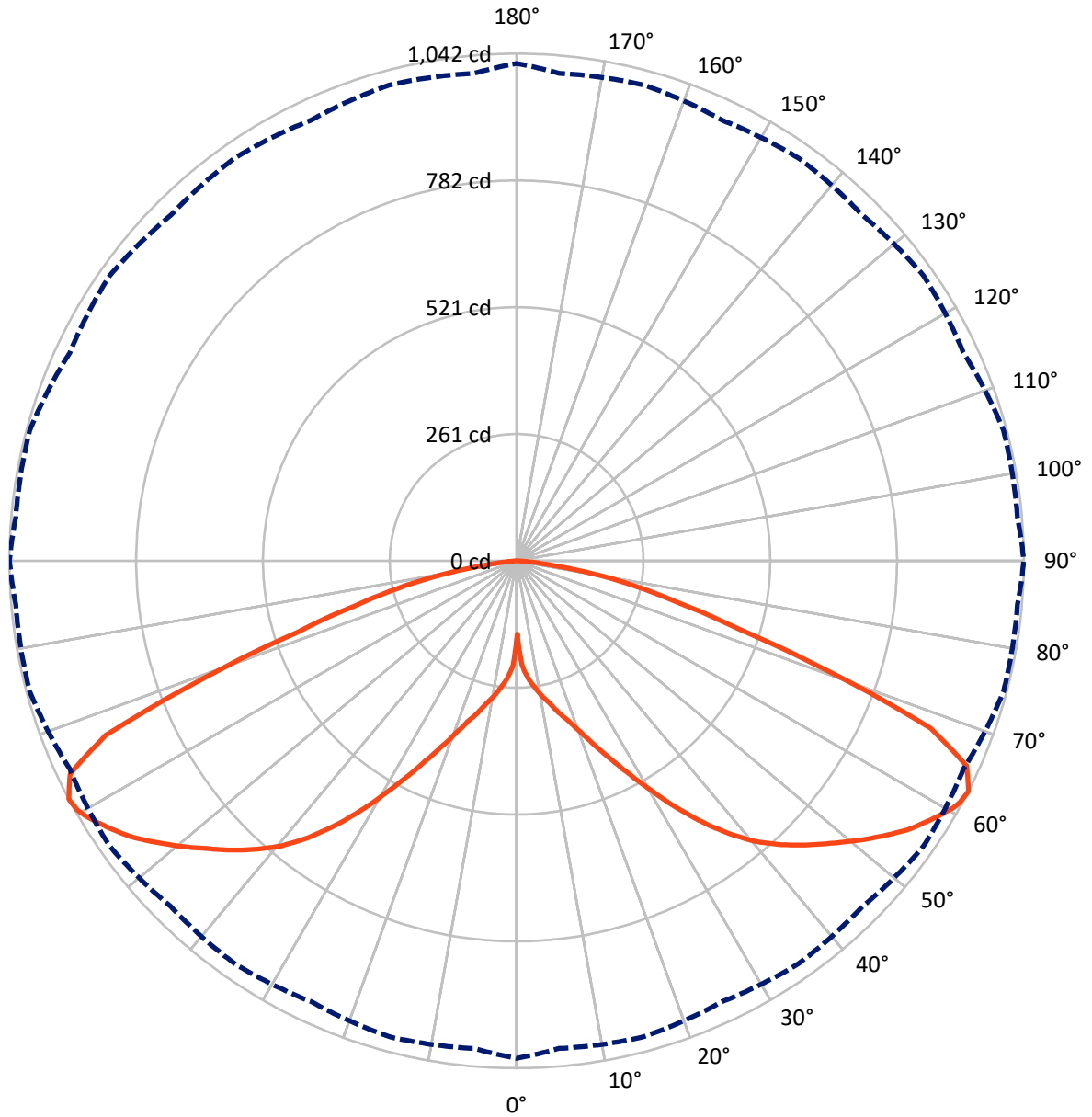
✕ Max cd
 - - - 1/2 Max cd



Based on 4 foot mounting height. Maximum calculated value = 23.1 fc
 Type V - Short - Full Cutoff

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Luminous Intensity Polar Plot



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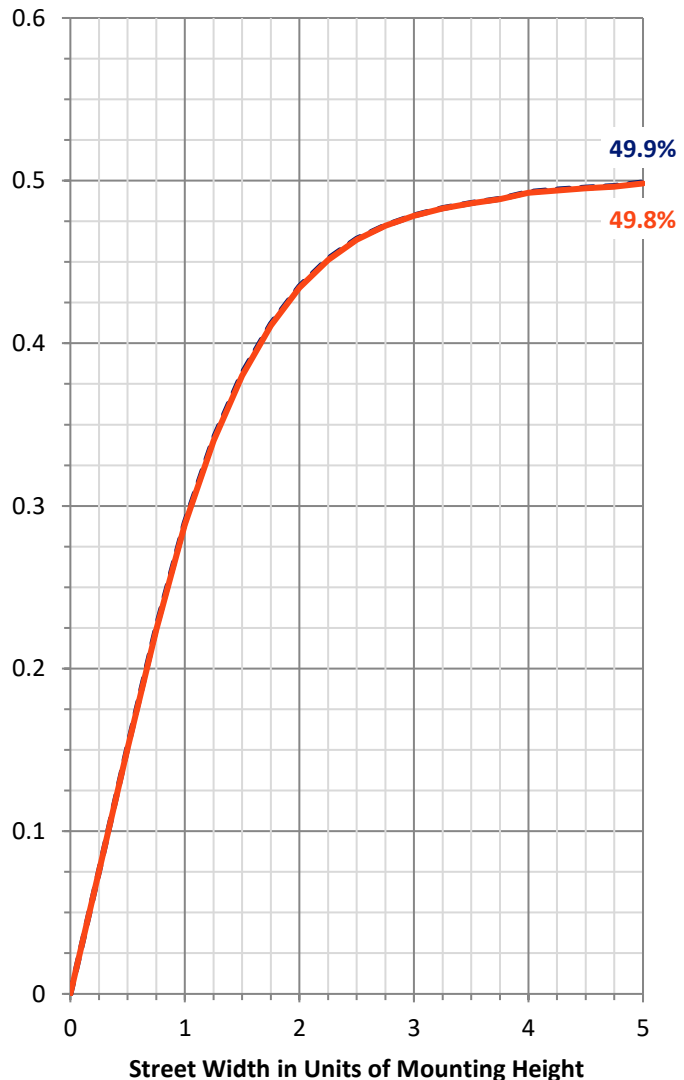
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1840.0	0.0	1840.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1840.0	0.0	1840.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	3680.0	0.0	3680.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	24.0	0.7
10°-20°	92.2	2.5
20°-30°	209.4	5.7
30°-40°	420.8	11.4
40°-50°	665.6	18.1
50°-60°	869.2	23.6
60°-70°	936.6	25.5
70°-80°	408.1	11.1
80°-90°	54.1	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°	3680.0	100.0
0°-180°	3680.0	100.0

Coefficient of Utilization



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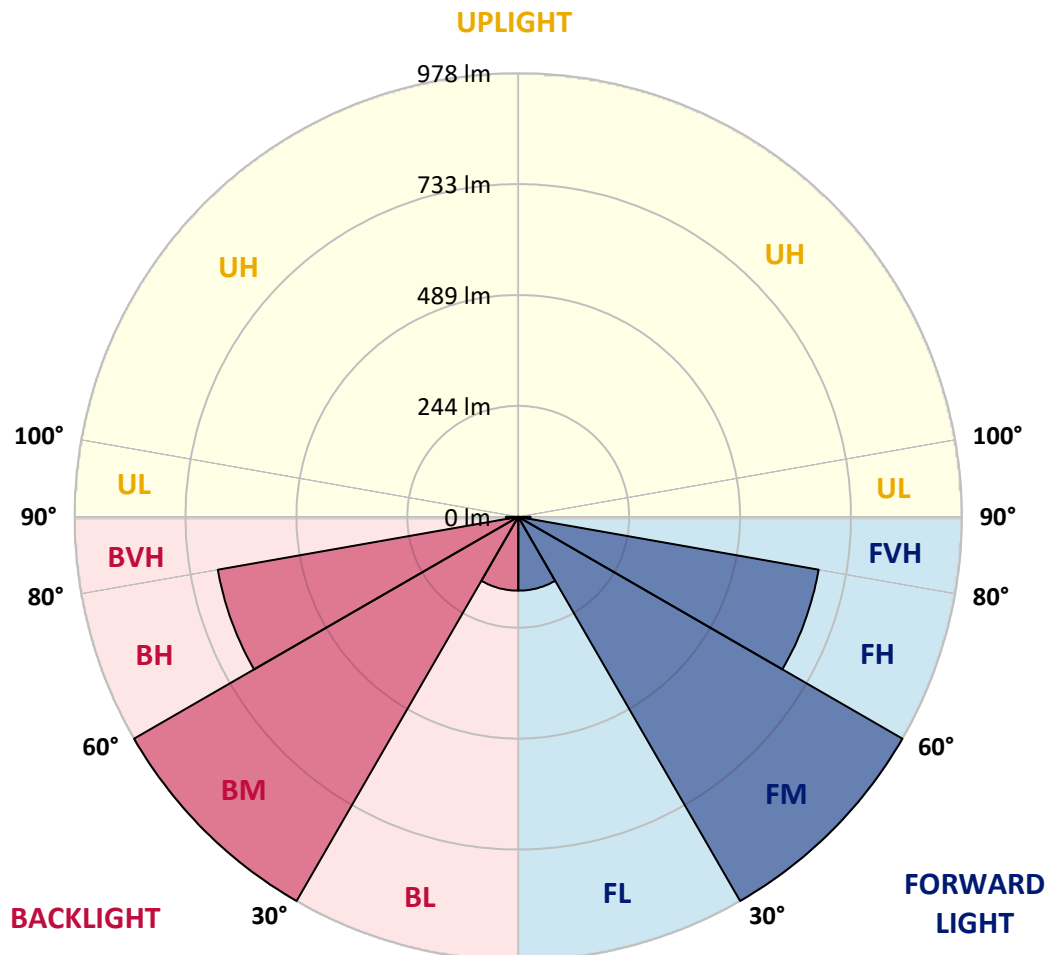
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	162.8	4.4			
FM	(30°-60°)	977.8	26.6			
FH	(60°-80°)	672.4	18.3			G1/1800
FVH	(80°-90°)	27.1	0.7			G1/100
BL	(0°-30°)	162.8	4.4	B1/500		
BM	(30°-60°)	977.8	26.6	B1/1000		
BH	(60°-80°)	672.4	18.3	B2/1000		G1/1800
BVH	(80°-90°)	27.1	0.7			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	150.6	150.6	150.6	150.6	150.6	150.6	150.6	150.6	150.6	150.6	150.6
2.5°	211.2	211.2	209.4	214.0	212.1	214.9	214.0	218.6	216.7	216.7	214.9
5°	242.4	240.6	239.7	238.8	240.6	241.5	240.6	242.4	243.3	243.3	241.5
7.5°	259.9	259.9	258.0	262.6	258.0	263.5	260.8	264.5	261.7	262.6	260.8
10°	276.4	279.2	277.3	281.0	276.4	283.7	279.2	283.7	280.1	281.9	281.0
12.5°	292.0	296.6	294.8	299.4	292.9	303.0	297.5	304.9	299.4	302.1	299.4
15°	310.4	315.0	314.1	317.7	312.2	322.3	316.8	326.0	320.5	324.2	323.2
17.5°	332.4	337.0	334.3	340.7	334.3	346.2	339.8	351.7	345.3	348.9	345.3
20°	355.4	360.9	359.0	366.4	360.0	371.0	366.4	379.2	373.7	380.2	375.6
22.5°	390.3	393.0	390.3	397.6	391.2	404.0	400.4	411.4	405.9	413.2	411.4
25°	432.5	435.3	432.5	438.0	432.5	445.4	440.8	451.8	447.2	454.5	451.8
27.5°	483.0	487.6	481.2	487.6	479.3	492.2	484.9	498.6	493.1	500.5	497.7
30°	545.5	548.2	540.9	546.4	537.2	549.1	539.9	551.9	545.5	550.0	549.1
32.5°	609.7	611.6	606.1	609.7	599.6	609.7	598.7	607.0	602.4	604.2	605.1
35°	670.3	678.6	669.4	675.9	664.8	674.0	657.5	665.8	657.5	661.2	660.2
37.5°	737.4	742.0	732.8	740.1	726.4	731.9	716.3	721.8	712.6	714.4	711.7
40°	791.6	797.1	789.7	796.1	783.3	785.1	770.4	774.1	763.1	760.3	758.5
42.5°	834.7	839.3	834.7	840.2	831.0	832.0	820.0	818.2	806.2	798.9	797.1
45°	865.9	868.7	868.7	877.9	871.4	871.4	859.5	858.6	843.0	840.2	832.9
47.5°	894.4	895.3	896.2	906.3	902.7	904.5	891.6	892.6	878.8	875.1	866.9
50°	918.3	918.3	920.1	931.1	924.7	933.9	920.1	922.9	911.9	909.1	903.6
52.5°	937.6	941.2	942.2	953.2	945.8	957.8	945.8	949.5	940.3	938.5	939.4
55°	958.7	963.3	965.1	974.3	966.0	979.8	971.5	973.4	969.7	966.9	975.2
57.5°	985.3	984.4	985.3	988.1	984.4	994.5	995.4	991.7	999.1	991.7	1003.7
60°	1009.2	1001.8	1002.8	997.3	1001.8	1004.6	1014.7	1007.4	1024.8	1018.4	1030.3
61°	1016.5	1005.5	1008.3	1000.0	1006.4	1005.5	1018.4	1011.9	1031.2	1025.7	1037.7
62.5°	1022.0	1005.5	1011.9	999.1	1010.1	1004.6	1021.1	1012.9	1035.8	1033.1	1042.2
65°	1006.4	989.0	1001.8	978.0	994.5	979.8	1002.8	985.3	1012.9	1002.8	1016.5
67.5°	933.0	920.1	935.7	897.2	921.0	896.2	912.8	900.8	921.0	906.3	917.4
70°	726.4	717.2	737.4	693.3	712.6	678.6	710.7	710.7	695.1	684.1	680.4
72.5°	488.5	517.0	513.3	506.0	493.1	490.4	499.5	506.9	492.2	481.2	473.8
75°	360.0	369.1	355.4	360.0	360.0	360.9	368.2	367.3	357.2	356.3	344.4
77.5°	267.2	265.4	247.9	256.2	255.3	258.0	253.4	261.7	249.8	257.1	250.7
80°	167.1	171.7	157.0	166.2	164.4	168.0	160.7	171.7	158.9	167.1	158.9
82.5°	81.7	84.5	77.1	86.3	77.1	85.4	77.1	86.3	75.3	80.8	72.5
85°	24.8	25.7	24.8	25.7	24.8	24.8	24.8	27.5	23.9	26.6	25.7
87.5°	12.9	11.9	11.0	11.0	11.0	10.1	10.1	11.0	10.1	10.1	10.1
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°



(END OF REPORT)