

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-A4-830-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-A4-830-U-T5-XX-BK
Description: BOLLARD 6INCH ROUND BASE, 4000LM, TYPE V SYMMETRICAL, BLACK FINISH
Light Source: (20) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3497 lumens
Efficiency: N/A
Efficacy: 83.5 lumens/watt
Luminous Opening: Circular (Dia: 0.5' x H: 0')
IES Classification: Type V - Short - Full Cutoff
BUG Rating: B2 - U0 - G1

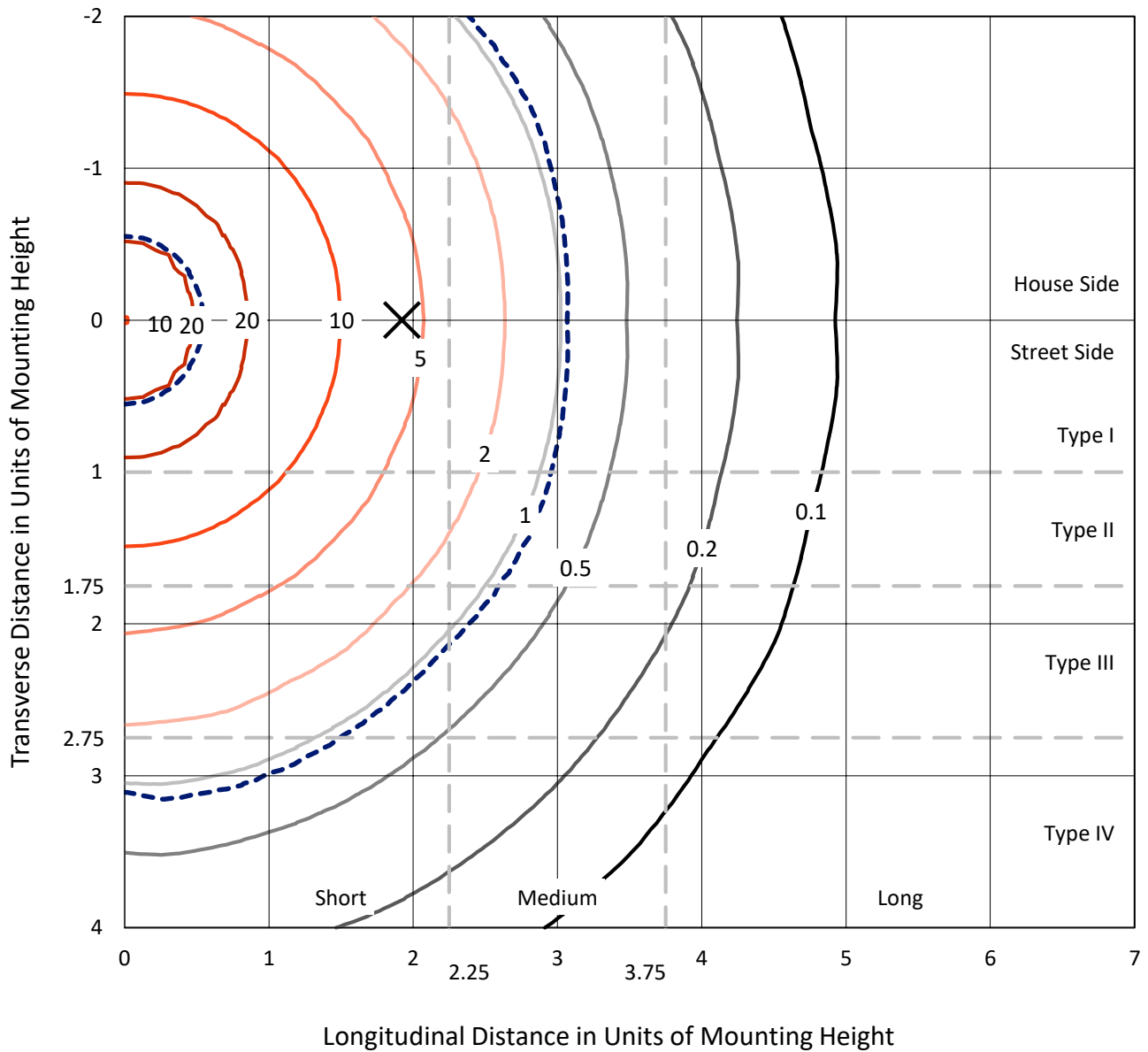
Input Watts (W): 41.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

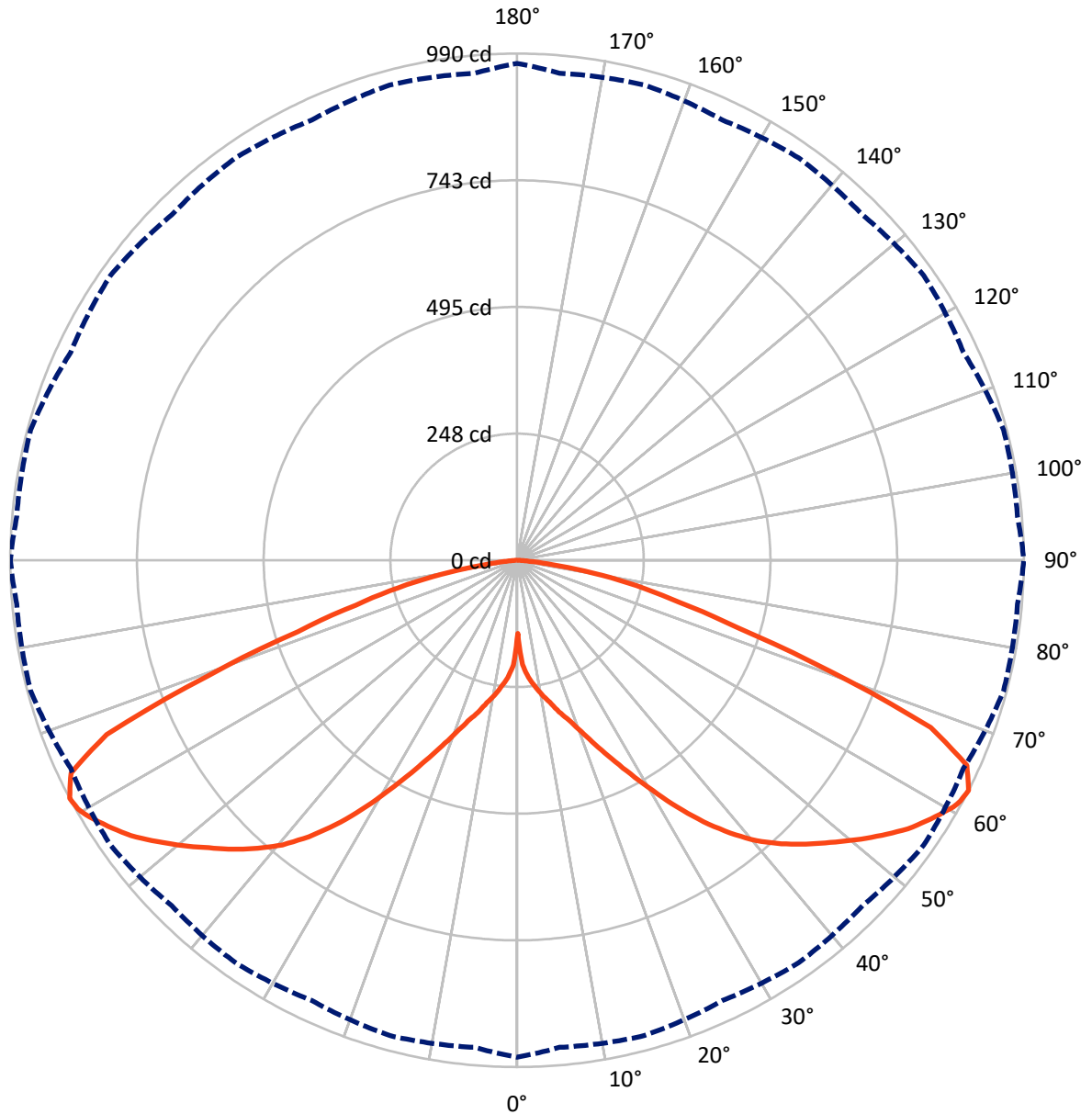
✕ Max cd
 - - - 1/2 Max cd



Based on 4 foot mounting height. Maximum calculated value = 22 fc
 Type V - Short - Full Cutoff

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Luminous Intensity Polar Plot



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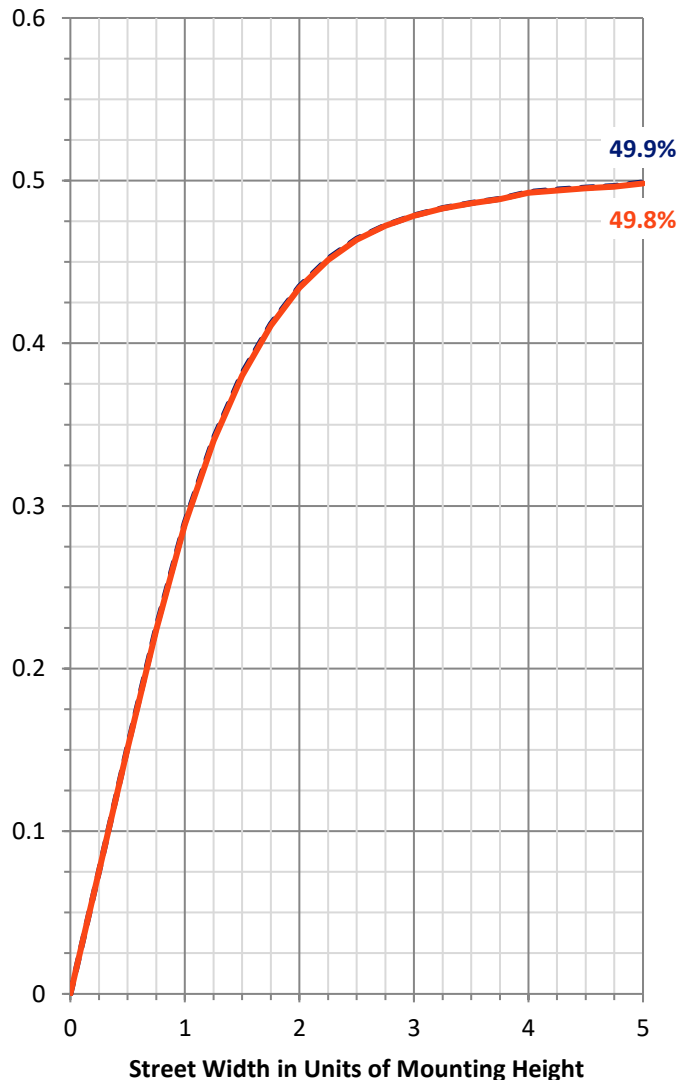
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1748.5	0.0	1748.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1748.5	0.0	1748.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	3497.0	0.0	3497.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	22.8	0.7
10°-20°	87.6	2.5
20°-30°	198.9	5.7
30°-40°	399.9	11.4
40°-50°	632.5	18.1
50°-60°	826.0	23.6
60°-70°	890.1	25.5
70°-80°	387.8	11.1
80°-90°	51.5	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°	3497.0	100.0
0°-180°	3497.0	100.0

Coefficient of Utilization



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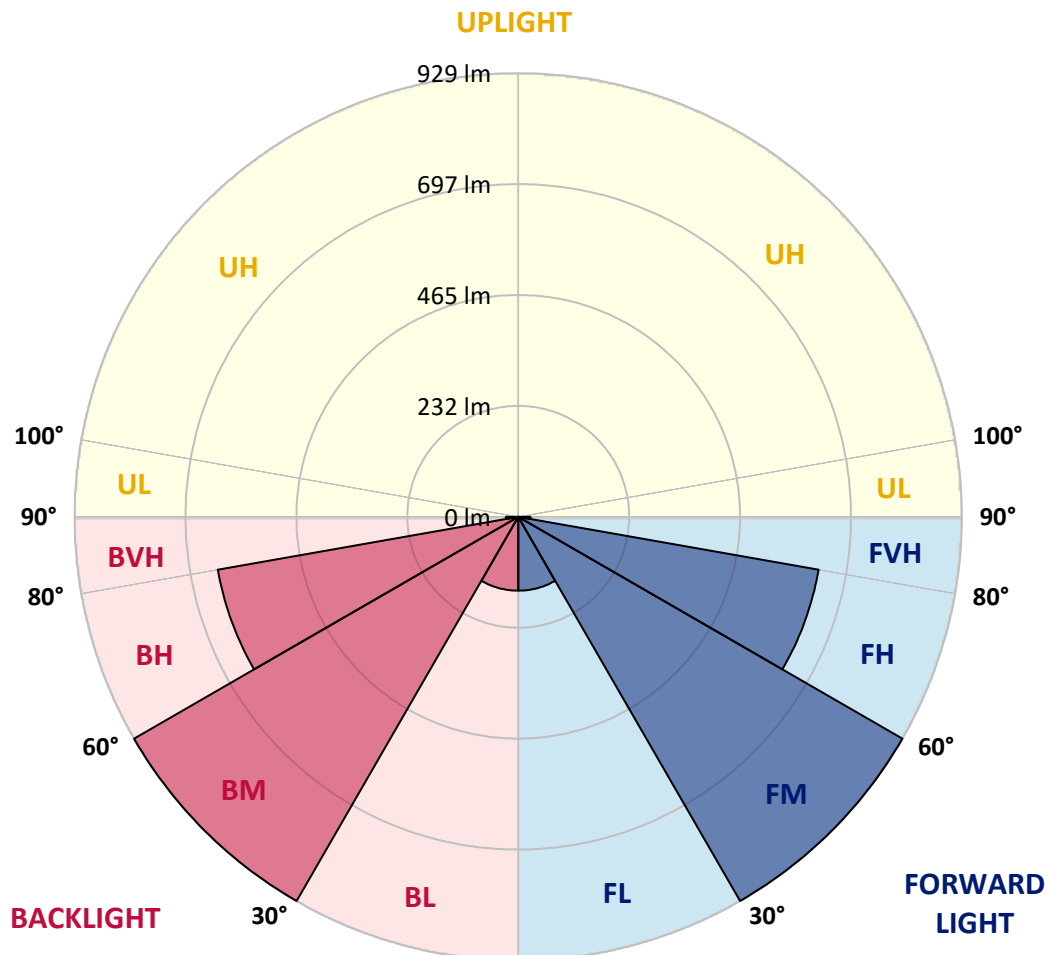
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	154.7	4.4			
FM (30°-60°)	929.2	26.6			
FH (60°-80°)	638.9	18.3			G0/660
FVH (80°-90°)	25.7	0.7			G1/100
BL (0°-30°)	154.7	4.4	B1/500		
BM (30°-60°)	929.2	26.6	B1/1000		
BH (60°-80°)	638.9	18.3	B2/1000		G0/660
BVH (80°-90°)	25.7	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°	143.1	143.1	143.1	143.1	143.1	143.1	143.1	143.1	143.1	143.1	143.1
2.5°	200.7	200.7	199.0	203.3	201.6	204.2	203.3	207.7	205.9	205.9	204.2
5°	230.4	228.6	227.8	226.9	228.6	229.5	228.6	230.4	231.2	231.2	229.5
7.5°	246.9	246.9	245.2	249.6	245.2	250.4	247.8	251.3	248.7	249.6	247.8
10°	262.7	265.3	263.5	267.0	262.7	269.6	265.3	269.6	266.1	267.9	267.0
12.5°	277.5	281.9	280.1	284.5	278.4	288.0	282.7	289.7	284.5	287.1	284.5
15°	294.9	299.3	298.4	301.9	296.7	306.3	301.1	309.8	304.5	308.0	307.2
17.5°	315.9	320.2	317.6	323.7	317.6	329.0	322.9	334.2	328.1	331.6	328.1
20°	337.7	342.9	341.2	348.2	342.1	352.5	348.2	360.4	355.2	361.3	356.9
22.5°	370.9	373.5	370.9	377.8	371.7	384.0	380.5	390.9	385.7	392.7	390.9
25°	411.0	413.6	411.0	416.2	411.0	423.2	418.9	429.3	425.0	431.9	429.3
27.5°	459.0	463.4	457.2	463.4	455.5	467.7	460.7	473.8	468.6	475.6	473.0
30°	518.3	521.0	514.0	519.2	510.5	521.8	513.1	524.4	518.3	522.7	521.8
32.5°	579.4	581.2	575.9	579.4	569.8	579.4	568.9	576.8	572.4	574.2	575.1
35°	637.0	644.9	636.1	642.2	631.8	640.5	624.8	632.6	624.8	628.3	627.4
37.5°	700.7	705.1	696.3	703.3	690.2	695.5	680.6	685.9	677.1	678.9	676.3
40°	752.2	757.4	750.4	756.6	744.3	746.1	732.1	735.6	725.1	722.5	720.8
42.5°	793.2	797.6	793.2	798.4	789.7	790.6	779.2	777.5	766.2	759.2	757.4
45°	822.9	825.5	825.5	834.2	828.1	828.1	816.8	815.9	801.1	798.4	791.5
47.5°	849.9	850.8	851.7	861.3	857.8	859.5	847.3	848.2	835.1	831.6	823.7
50°	872.6	872.6	874.4	884.8	878.7	887.4	874.4	877.0	866.5	863.9	858.7
52.5°	890.9	894.4	895.3	905.8	898.8	910.1	898.8	902.3	893.6	891.8	892.7
55°	911.0	915.4	917.1	925.8	918.0	931.1	923.2	925.0	921.5	918.9	926.7
57.5°	936.3	935.4	936.3	938.9	935.4	945.0	945.9	942.4	949.4	942.4	953.8
60°	959.0	952.0	952.9	947.7	952.0	954.6	964.2	957.3	973.8	967.7	979.1
61°	966.0	955.5	958.1	950.3	956.4	955.5	967.7	961.6	979.9	974.7	986.1
62.5°	971.2	955.5	961.6	949.4	959.9	954.6	970.3	962.5	984.3	981.7	990.4
65°	956.4	939.8	952.0	929.3	945.0	931.1	952.9	936.3	962.5	952.9	966.0
67.5°	886.6	874.4	889.2	852.5	875.2	851.7	867.4	856.0	875.2	861.3	871.7
70°	690.2	681.5	700.7	658.8	677.1	644.9	675.4	675.4	660.6	650.1	646.6
72.5°	464.2	491.3	487.8	480.8	468.6	466.0	474.7	481.7	467.7	457.2	450.3
75°	342.1	350.8	337.7	342.1	342.1	342.9	349.9	349.0	339.4	338.6	327.2
77.5°	253.9	252.2	235.6	243.5	242.6	245.2	240.8	248.7	237.4	244.3	238.2
80°	158.8	163.2	149.2	157.9	156.2	159.7	152.7	163.2	151.0	158.8	151.0
82.5°	77.7	80.3	73.3	82.0	73.3	81.2	73.3	82.0	71.6	76.8	68.9
85°	23.6	24.4	23.6	24.4	23.6	23.6	23.6	26.2	22.7	25.3	24.4
87.5°	12.2	11.3	10.5	10.5	10.5	9.6	9.6	10.5	9.6	9.6	9.6
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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Peachtree City, GA 30269

Scaled Data Report



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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)