

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-A3-830-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-A3-830-U-T5-XX-BK
Description: BOLLARD 6INCH ROUND BASE, 3000LM, 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: 2578 lumens
Efficiency: N/A
Efficacy: 88.3 lumens/watt
Luminous Opening: Circular (Dia: 0.5' x H: 0')
IES Classification: Type V - Short - Full Cutoff
BUG Rating: B1 - U0 - G1

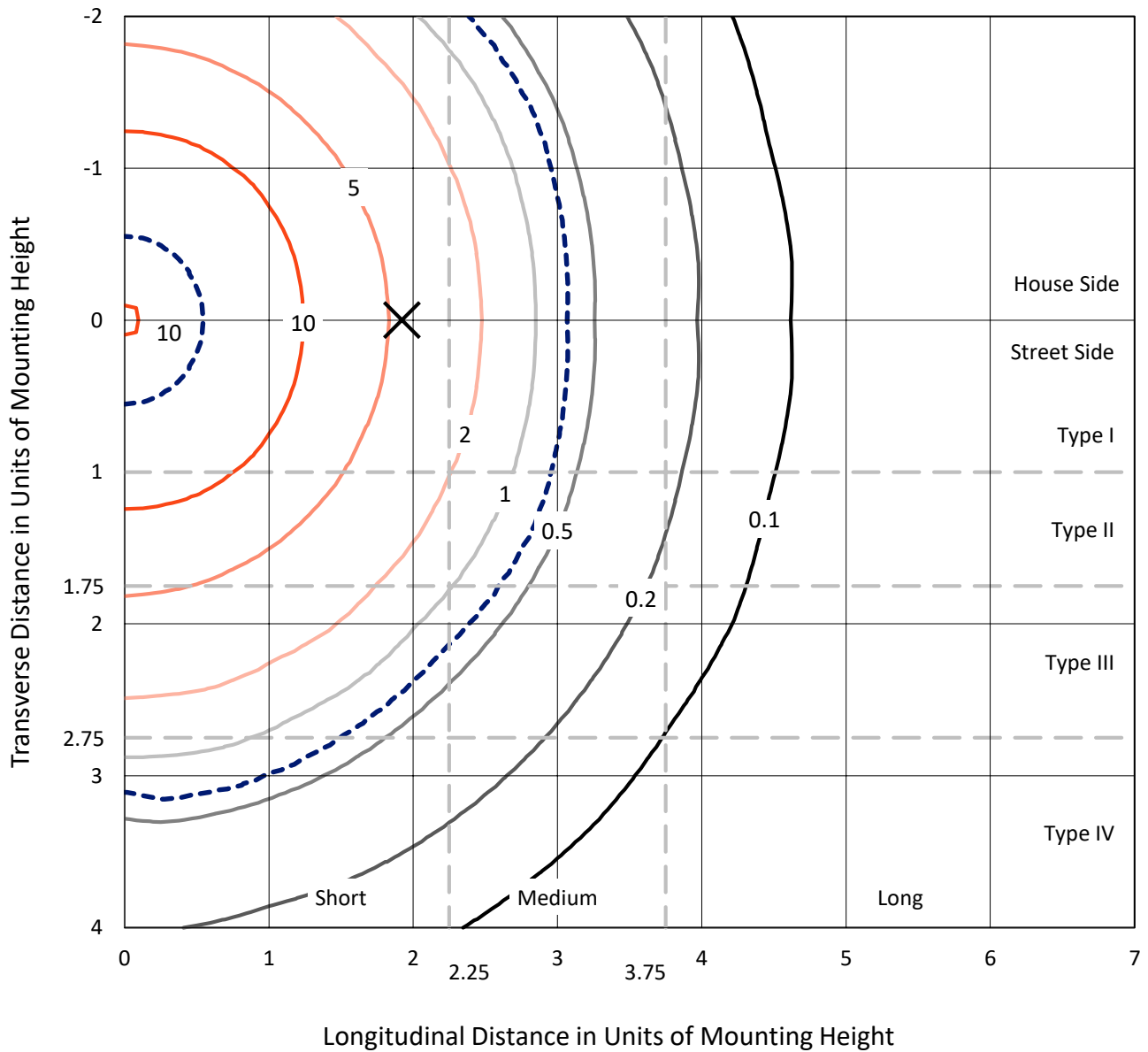
Input Watts (W): 29.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

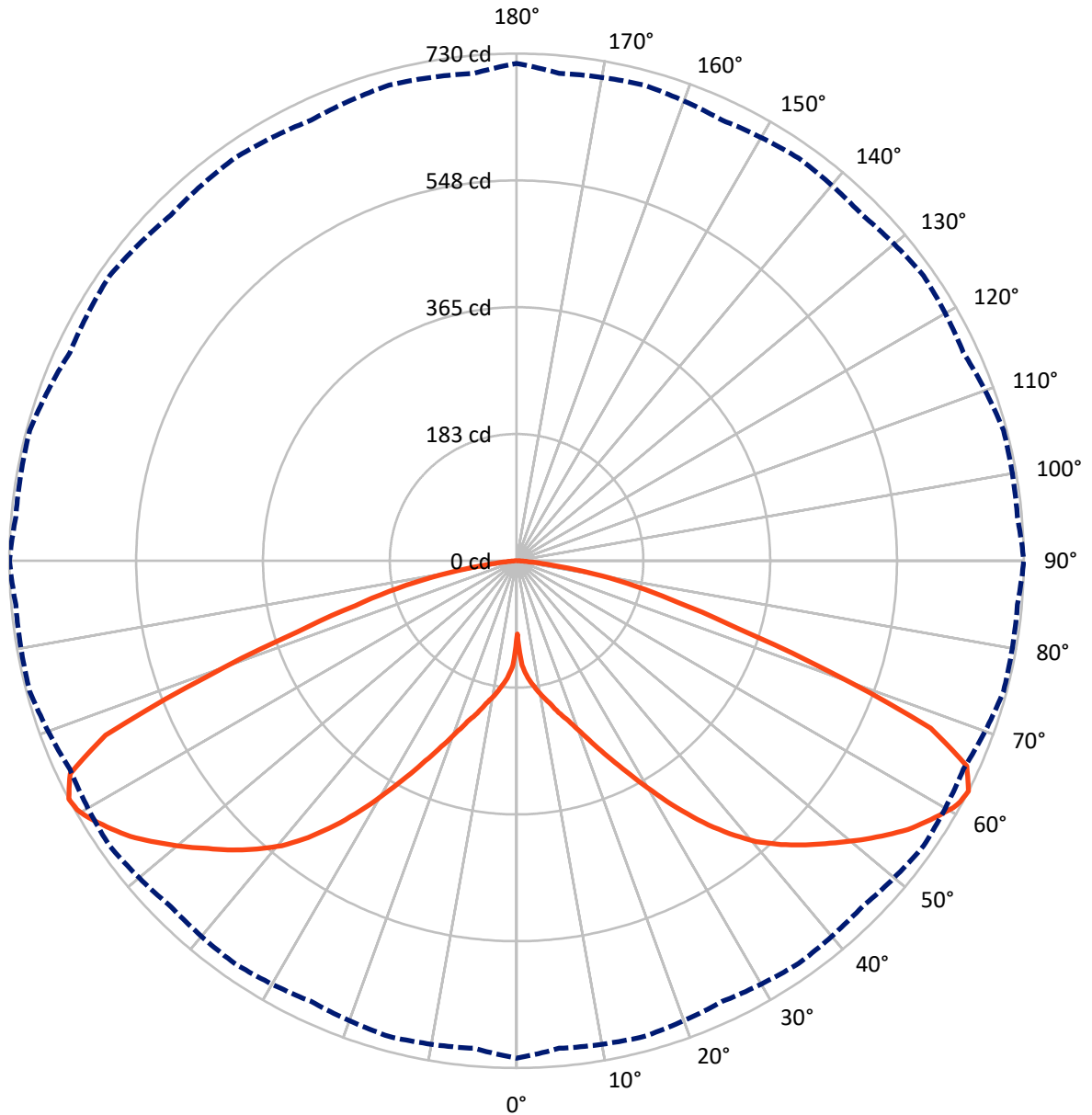
✕ Max cd
 - - - 1/2 Max cd



Based on 4 foot mounting height. Maximum calculated value = 16.2 fc
 Type V - Short - Full Cutoff

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Luminous Intensity Polar Plot



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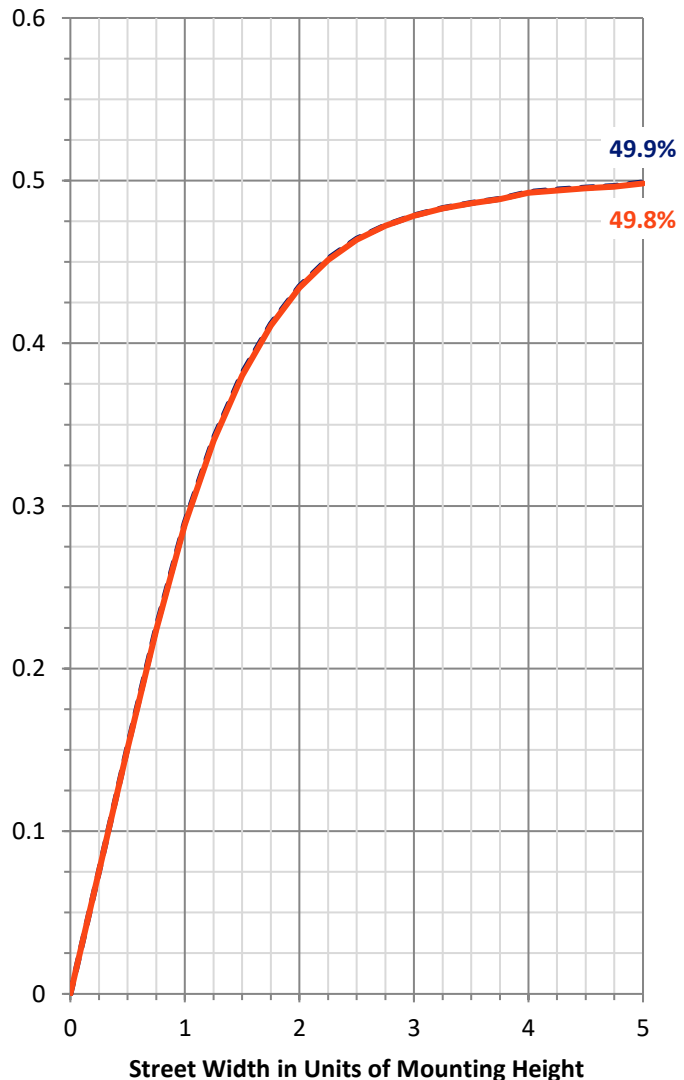
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1289.0	0.0	1289.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1289.0	0.0	1289.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	2578.0	0.0	2578.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	16.8	0.7
10°-20°	64.6	2.5
20°-30°	146.7	5.7
30°-40°	294.8	11.4
40°-50°	466.3	18.1
50°-60°	608.9	23.6
60°-70°	656.2	25.5
70°-80°	285.9	11.1
80°-90°	37.9	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°	2578.0	100.0
0°-180°	2578.0	100.0

Coefficient of Utilization



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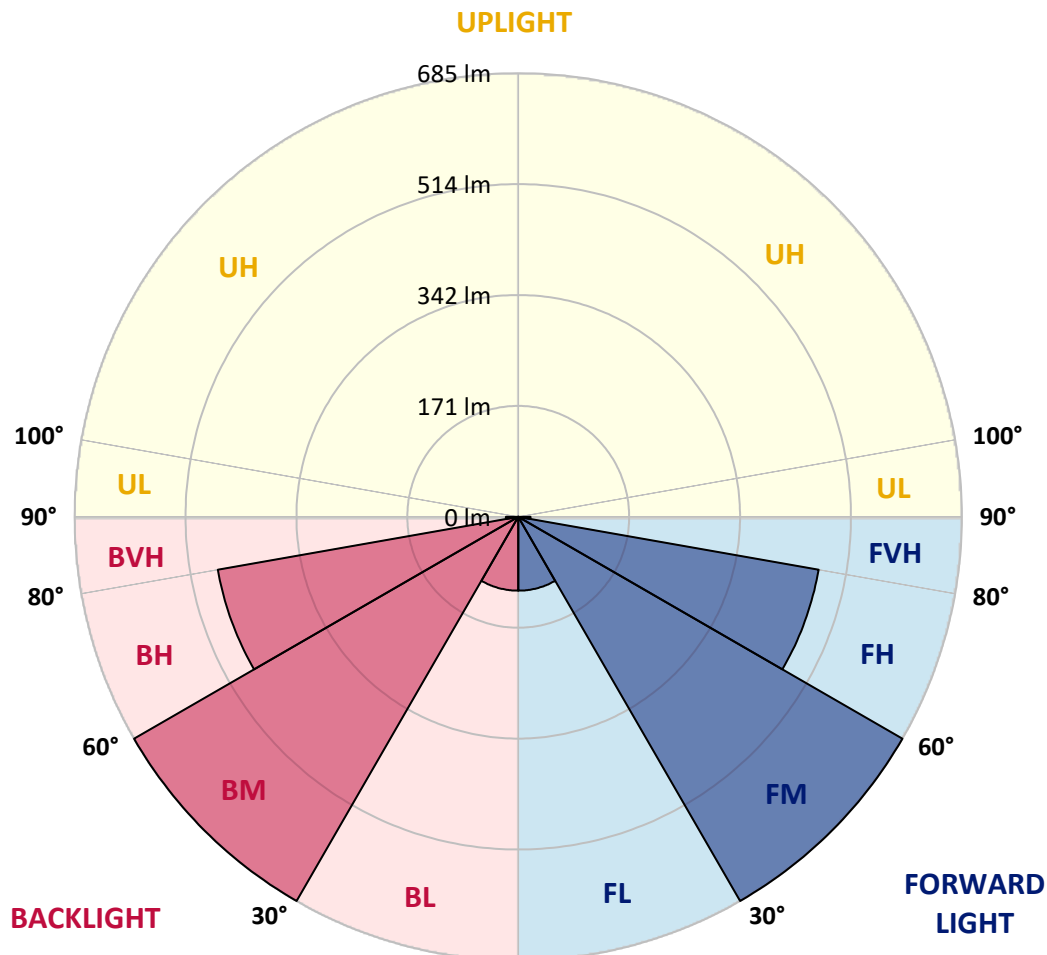
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	114.0	4.4			
FM	(30°-60°)	685.0	26.6			
FH	(60°-80°)	471.0	18.3			G0/660
FVH	(80°-90°)	19.0	0.7			G1/100
BL	(0°-30°)	114.0	4.4	B1/500		
BM	(30°-60°)	685.0	26.6	B1/1000		
BH	(60°-80°)	471.0	18.3	B1/500		G0/660
BVH	(80°-90°)	19.0	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°	105.5	105.5	105.5	105.5	105.5	105.5	105.5	105.5	105.5	105.5	105.5
2.5°	148.0	148.0	146.7	149.9	148.6	150.5	149.9	153.1	151.8	151.8	150.5
5°	169.8	168.5	167.9	167.3	168.5	169.2	168.5	169.8	170.5	170.5	169.2
7.5°	182.1	182.1	180.8	184.0	180.8	184.6	182.7	185.3	183.3	184.0	182.7
10°	193.6	195.6	194.3	196.8	193.6	198.8	195.6	198.8	196.2	197.5	196.8
12.5°	204.6	207.8	206.5	209.7	205.2	212.3	208.4	213.6	209.7	211.6	209.7
15°	217.4	220.6	220.0	222.6	218.7	225.8	221.9	228.4	224.5	227.1	226.4
17.5°	232.9	236.1	234.2	238.7	234.2	242.5	238.0	246.4	241.9	244.5	241.9
20°	249.0	252.8	251.5	256.7	252.2	259.9	256.7	265.7	261.8	266.3	263.1
22.5°	273.4	275.3	273.4	278.5	274.0	283.0	280.5	288.2	284.3	289.5	288.2
25°	303.0	304.9	303.0	306.9	303.0	312.0	308.8	316.5	313.3	318.4	316.5
27.5°	338.4	341.6	337.1	341.6	335.8	344.8	339.7	349.3	345.4	350.6	348.7
30°	382.1	384.0	378.9	382.8	376.3	384.7	378.3	386.6	382.1	385.3	384.7
32.5°	427.1	428.4	424.6	427.1	420.1	427.1	419.4	425.2	422.0	423.3	423.9
35°	469.6	475.4	469.0	473.5	465.7	472.2	460.6	466.4	460.6	463.2	462.5
37.5°	516.6	519.8	513.3	518.5	508.8	512.7	501.8	505.6	499.2	500.5	498.6
40°	554.5	558.4	553.2	557.7	548.7	550.0	539.7	542.3	534.6	532.6	531.4
42.5°	584.8	588.0	584.8	588.6	582.2	582.8	574.5	573.2	564.8	559.7	558.4
45°	606.6	608.6	608.6	615.0	610.5	610.5	602.1	601.5	590.5	588.6	583.5
47.5°	626.6	627.2	627.9	634.9	632.4	633.6	624.6	625.3	615.6	613.1	607.3
50°	643.3	643.3	644.6	652.3	647.8	654.2	644.6	646.5	638.8	636.9	633.0
52.5°	656.8	659.4	660.0	667.7	662.6	671.0	662.6	665.2	658.7	657.4	658.1
55°	671.6	674.8	676.1	682.5	676.7	686.4	680.6	681.9	679.3	677.4	683.2
57.5°	690.3	689.6	690.3	692.2	689.6	696.7	697.3	694.8	699.9	694.8	703.1
60°	707.0	701.8	702.5	698.6	701.8	703.8	710.8	705.7	717.9	713.4	721.8
61°	712.1	704.4	706.3	700.5	705.1	704.4	713.4	708.9	722.4	718.6	726.9
62.5°	716.0	704.4	708.9	699.9	707.6	703.8	715.3	709.6	725.6	723.7	730.1
65°	705.1	692.8	701.8	685.1	696.7	686.4	702.5	690.3	709.6	702.5	712.1
67.5°	653.6	644.6	655.5	628.5	645.2	627.9	639.4	631.1	645.2	634.9	642.7
70°	508.8	502.4	516.6	485.7	499.2	475.4	497.9	497.9	487.0	479.3	476.7
72.5°	342.2	362.2	359.6	354.5	345.4	343.5	350.0	355.1	344.8	337.1	331.9
75°	252.2	258.6	249.0	252.2	252.2	252.8	258.0	257.3	250.2	249.6	241.2
77.5°	187.2	185.9	173.7	179.5	178.8	180.8	177.5	183.3	175.0	180.1	175.6
80°	117.1	120.3	110.0	116.4	115.1	117.7	112.6	120.3	111.3	117.1	111.3
82.5°	57.3	59.2	54.0	60.5	54.0	59.8	54.0	60.5	52.8	56.6	50.8
85°	17.4	18.0	17.4	18.0	17.4	17.4	17.4	19.3	16.7	18.7	18.0
87.5°	9.0	8.4	7.7	7.7	7.7	7.1	7.1	7.7	7.1	7.1	7.1
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)