

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-A4-730-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-A4-730-U-T5-XX-BK
Description: BOLLARD 6INCH ROUND BASE, 4000LM, TYPE V SYMMETRICAL, BLACK FINISH
Light Source: (20) 3000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4007.9 lumens
Efficiency: N/A
Efficacy: 95.7 lumens/watt
Luminous Opening: Circular (Dia: 0.5' x H: 0')
IES Classification: Type V - Short - Full Cutoff
BUG Rating: B2 - U0 - G1

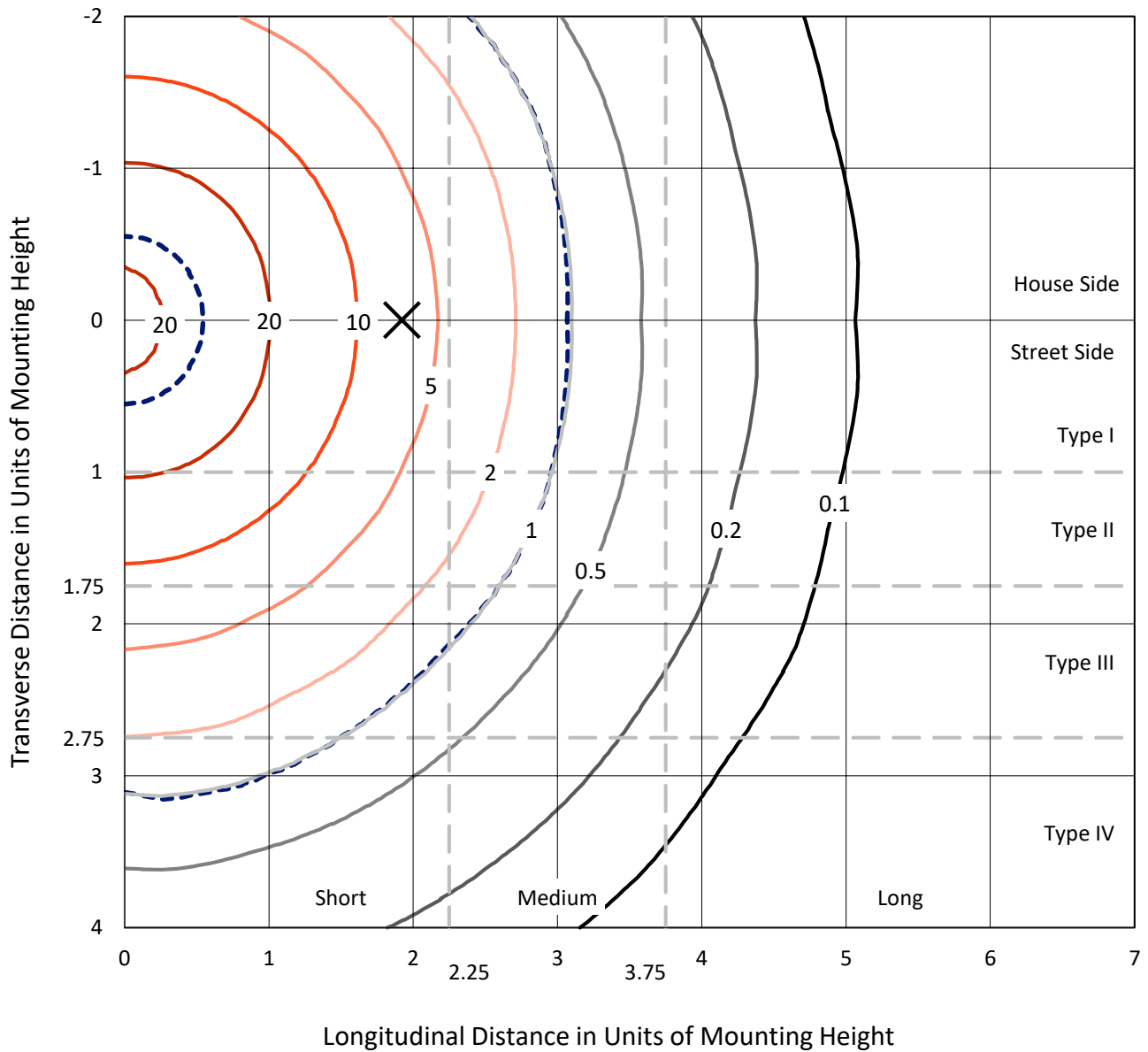
Input Watts (W): 41.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P#
 CATALOG NUMBER: BRT6-A4-730-U-T5-XX-BK

Iso-Footcandle Lines of Horizontal Illumination

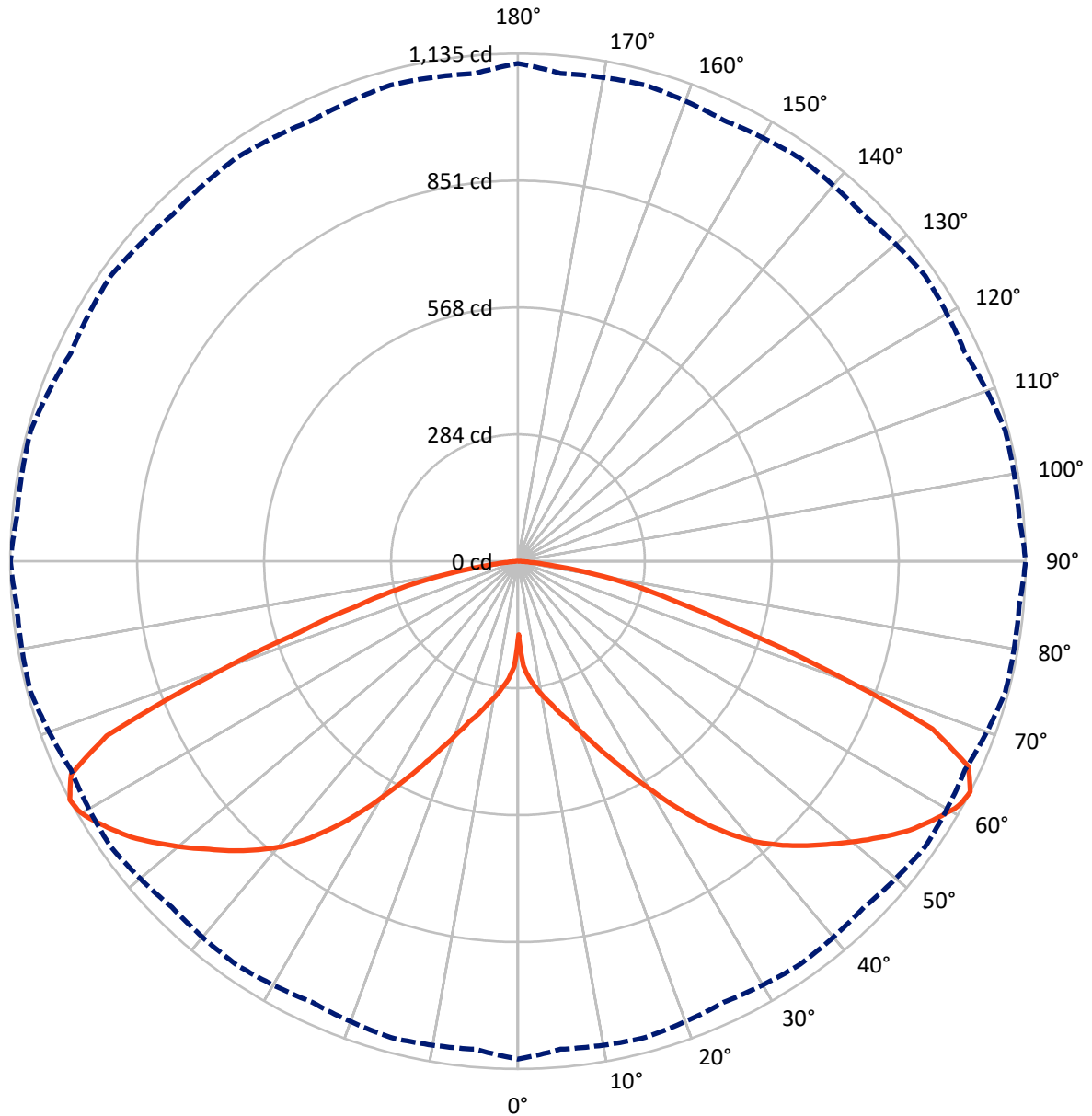
✕ Max cd
 - - - 1/2 Max cd



Based on 4 foot mounting height. Maximum calculated value = 25.2 fc
 Type V - Short - Full Cutoff

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Luminous Intensity Polar Plot



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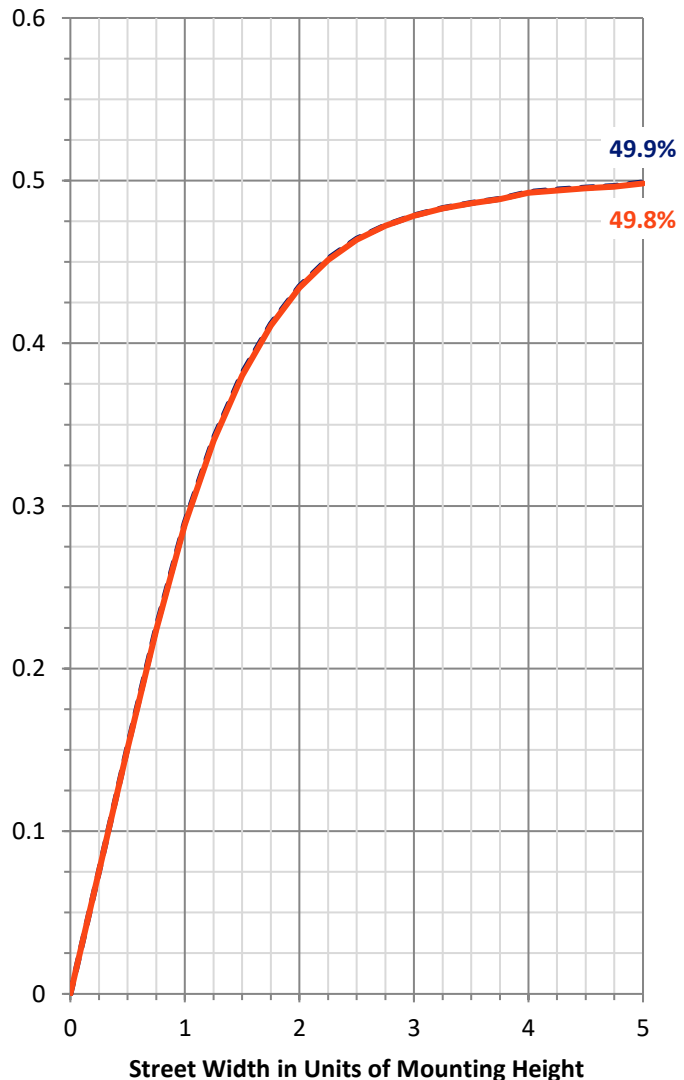
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2004.0	0.0	2004.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2004.0	0.0	2004.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	4007.9	0.0	4007.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	26.1	0.7
10°-20°	100.4	2.5
20°-30°	228.0	5.7
30°-40°	458.4	11.4
40°-50°	724.9	18.1
50°-60°	946.6	23.6
60°-70°	1020.1	25.5
70°-80°	444.4	11.1
80°-90°	59.0	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°	4007.9	100.0
0°-180°	4007.9	100.0

Coefficient of Utilization



REPORT NUMBER: P#

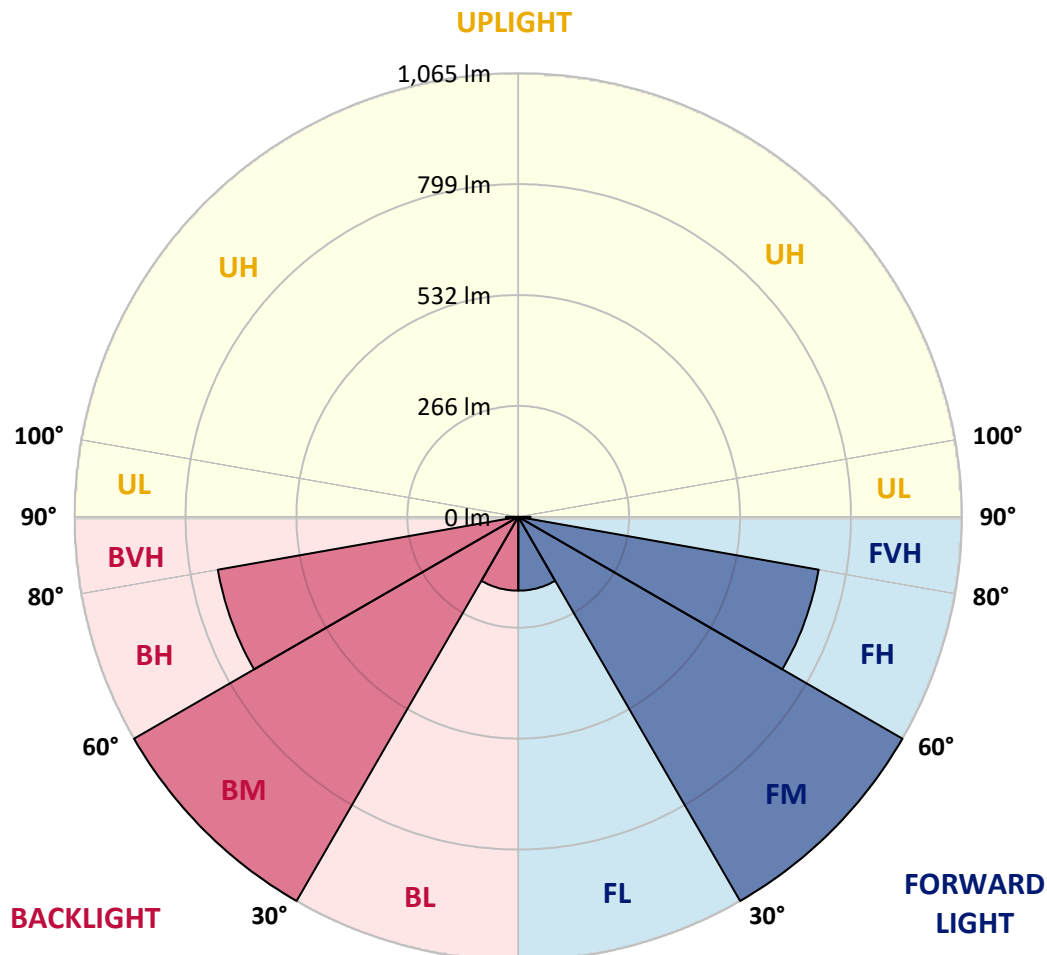
CATALOG NUMBER: BRT6-A4-730-U-T5-XX-BK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	177.3	4.4			
FM (30°-60°)	1064.9	26.6			
FH (60°-80°)	732.3	18.3			G1/1800
FVH (80°-90°)	29.5	0.7			G1/100
BL (0°-30°)	177.3	4.4	B1/500		
BM (30°-60°)	1064.9	26.6	B2/2500		
BH (60°-80°)	732.3	18.3	B2/1000		G1/1800
BVH (80°-90°)	29.5	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°	164.0	164.0	164.0	164.0	164.0	164.0	164.0	164.0	164.0	164.0	164.0
2.5°	230.0	230.0	228.0	233.0	231.0	234.0	233.0	238.0	236.0	236.0	234.0
5°	264.0	262.0	261.0	260.0	262.0	263.0	262.0	264.0	265.0	265.0	263.0
7.5°	283.0	283.0	281.0	286.0	281.0	287.0	284.0	288.0	285.0	286.0	284.0
10°	301.0	304.0	302.0	306.0	301.0	309.0	304.0	309.0	305.0	307.0	306.0
12.5°	318.0	323.0	321.0	326.0	319.0	330.0	324.0	332.0	326.0	329.0	326.0
15°	338.0	343.0	342.0	346.0	340.0	351.0	345.0	355.0	349.0	353.0	352.0
17.5°	362.0	367.0	364.0	371.0	364.0	377.0	370.0	383.0	376.0	380.0	376.0
20°	387.0	393.0	391.0	399.1	392.0	404.1	399.1	413.1	407.1	414.1	409.1
22.5°	425.1	428.1	425.1	433.1	426.1	440.1	436.1	448.1	442.1	450.1	448.1
25°	471.1	474.1	471.1	477.1	471.1	485.1	480.1	492.1	487.1	495.1	492.1
27.5°	526.1	531.1	524.1	531.1	522.1	536.1	528.1	543.1	537.1	545.1	542.1
30°	594.1	597.1	589.1	595.1	585.1	598.1	588.1	601.1	594.1	599.1	598.1
32.5°	664.1	666.1	660.1	664.1	653.1	664.1	652.1	661.1	656.1	658.1	659.1
35°	730.1	739.1	729.1	736.1	724.1	734.1	716.1	725.1	716.1	720.1	719.1
37.5°	803.1	808.1	798.1	806.1	791.1	797.1	780.1	786.1	776.1	778.1	775.1
40°	862.1	868.1	860.1	867.1	853.1	855.1	839.1	843.1	831.1	828.1	826.1
42.5°	909.1	914.1	909.1	915.1	905.1	906.1	893.1	891.1	878.1	870.1	868.1
45°	943.1	946.1	946.1	956.1	949.1	949.1	936.1	935.1	918.1	915.1	907.1
47.5°	974.1	975.1	976.1	987.1	983.1	985.1	971.1	972.1	957.1	953.1	944.1
50°	1000.1	1000.1	1002.1	1014.1	1007.1	1017.1	1002.1	1005.1	993.1	990.1	984.1
52.5°	1021.1	1025.1	1026.1	1038.1	1030.1	1043.1	1030.1	1034.1	1024.1	1022.1	1023.1
55°	1044.1	1049.1	1051.1	1061.1	1052.1	1067.1	1058.1	1060.1	1056.1	1053.1	1062.1
57.5°	1073.1	1072.1	1073.1	1076.1	1072.1	1083.1	1084.1	1080.1	1088.1	1080.1	1093.1
60°	1099.1	1091.1	1092.1	1086.1	1091.1	1094.1	1105.1	1097.1	1116.1	1109.1	1122.1
61°	1107.1	1095.1	1098.1	1089.1	1096.1	1095.1	1109.1	1102.1	1123.1	1117.1	1130.1
62.5°	1113.1	1095.1	1102.1	1088.1	1100.1	1094.1	1112.1	1103.1	1128.1	1125.1	1135.1
65°	1096.1	1077.1	1091.1	1065.1	1083.1	1067.1	1092.1	1073.1	1103.1	1092.1	1107.1
67.5°	1016.1	1002.1	1019.1	977.1	1003.1	976.1	994.1	981.1	1003.1	987.1	999.1
70°	791.1	781.1	803.1	755.1	776.1	739.1	774.1	774.1	757.1	745.1	741.1
72.5°	532.1	563.1	559.1	551.1	537.1	534.1	544.1	552.1	536.1	524.1	516.1
75°	392.0	402.1	387.0	392.0	392.0	393.0	401.1	400.1	389.0	388.0	375.0
77.5°	291.0	289.0	270.0	279.0	278.0	281.0	276.0	285.0	272.0	280.0	273.0
80°	182.0	187.0	171.0	181.0	179.0	183.0	175.0	187.0	173.0	182.0	173.0
82.5°	89.0	92.0	84.0	94.0	84.0	93.0	84.0	94.0	82.0	88.0	79.0
85°	27.0	28.0	27.0	28.0	27.0	27.0	27.0	30.0	26.0	29.0	28.0
87.5°	14.0	13.0	12.0	12.0	12.0	11.0	11.0	12.0	11.0	11.0	11.0
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)