

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: P531064

Luminaire Tested: **GALN-SA6B-750-U-RW-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P531064
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-8)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA6B-750-U-RW-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 5000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR
WIDE OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 29566 lumens
Efficiency: N/A
Efficacy: 121.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

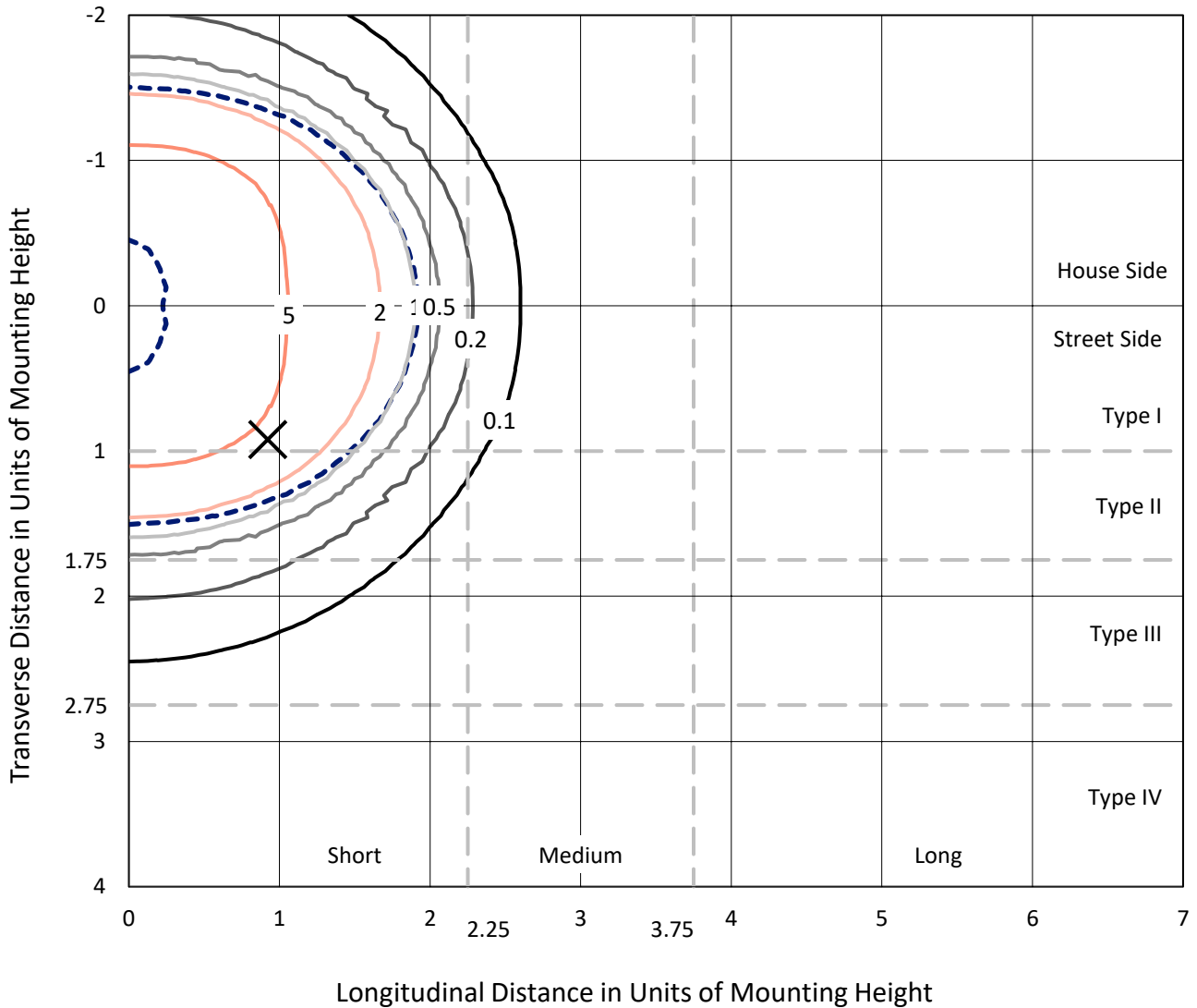
Input Watts (W): 243
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

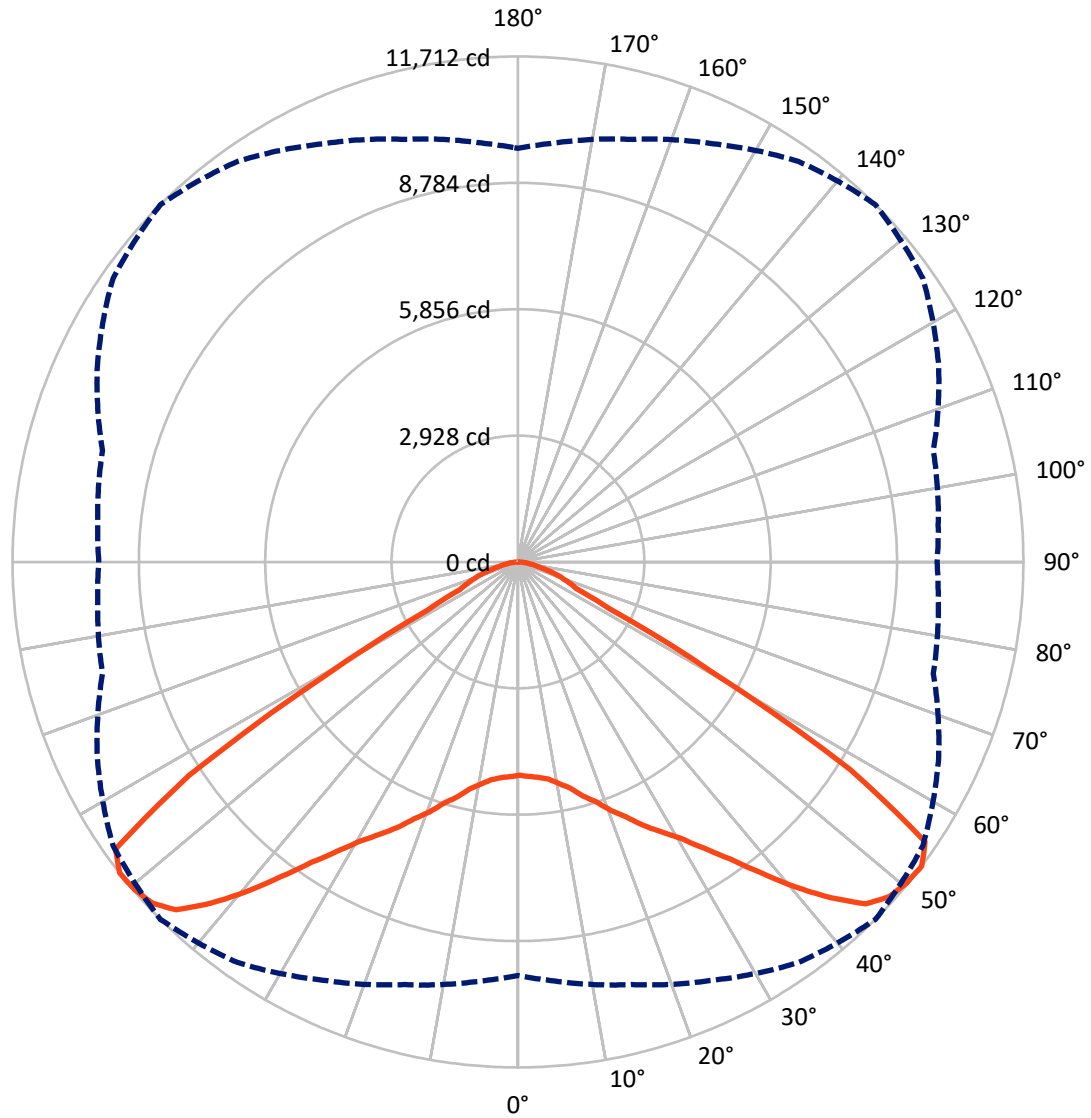
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.7 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 52.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	14783.0	0.0	14783.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	14783.0	0.0	14783.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	29566.0	0.0	29566.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	485.6	1.6
10°-20°	1595.6	5.4
20°-30°	3037.7	10.3
30°-40°	5216.0	17.6
40°-50°	8017.1	27.1
50°-60°	8141.2	27.5
60°-70°	2268.8	7.7
70°-80°	669.3	2.3
80°-90°	134.8	0.5
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°	29566.0	100.0
0°-180°	29566.0	100.0



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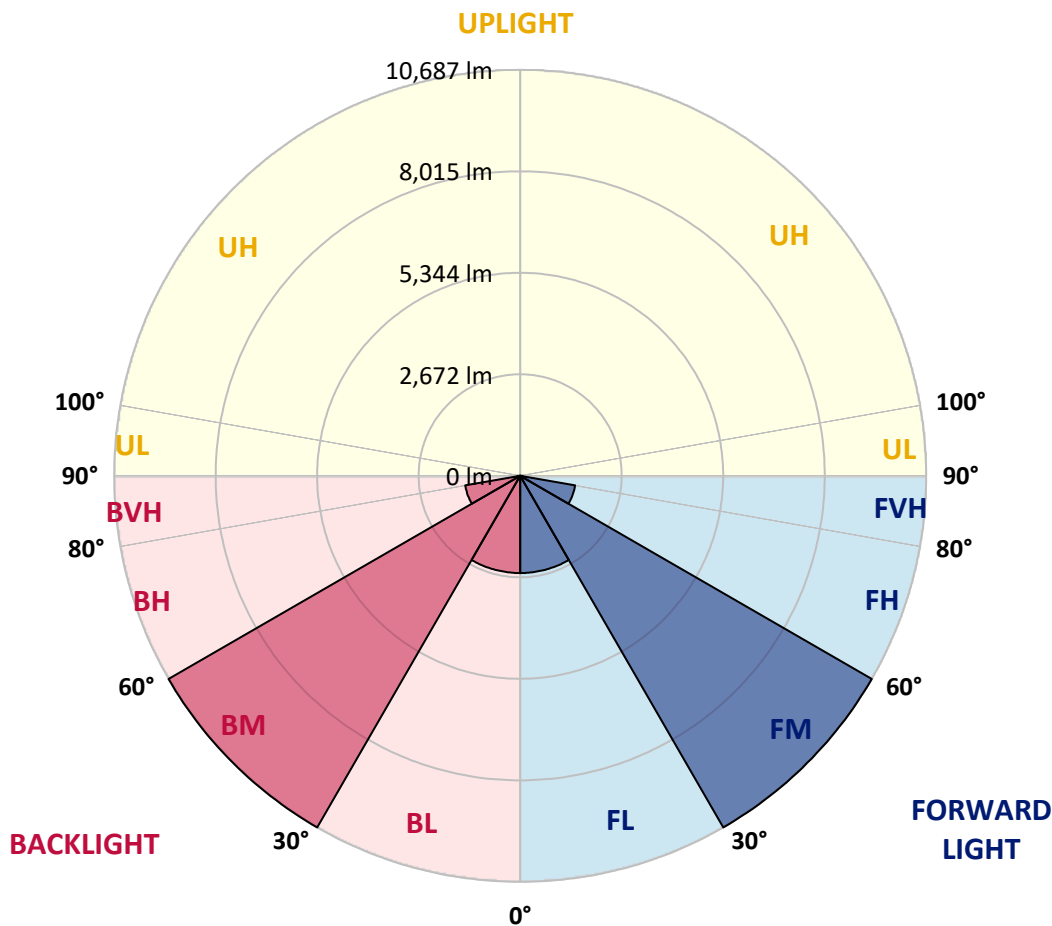
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2559.4	8.7			
FM (30°-60°)	10687.1	36.1			
FH (60°-80°)	1469.1	5.0			G1/1800
FVH (80°-90°)	67.4	0.2			G1/100
BL (0°-30°)	2559.4	8.7	B4/5000		
BM (30°-60°)	10687.1	36.1	B5		
BH (60°-80°)	1469.1	5.0	B3/2500		G1/1800
BVH (80°-90°)	67.4	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4942.3	4942.3	4942.3	4942.3	4942.3	4942.3	4942.3	4942.3	4942.3	4942.3	4942.3
2.5°	4953.4	4902.0	4920.3	4931.3	4979.0	4975.4	4964.4	4979.0	4993.7	4997.4	4990.0
5°	4949.7	4913.0	4927.7	4938.7	4986.4	5012.1	5004.7	5067.1	5111.1	5100.1	5155.2
7.5°	4920.3	4942.3	4924.0	4979.0	5019.4	5081.8	5147.8	5206.5	5261.6	5323.9	5334.9
10°	4986.4	4986.4	5019.4	5063.4	5169.8	5217.5	5312.9	5397.3	5503.7	5577.1	5547.8
12.5°	5056.1	5067.1	5067.1	5180.8	5268.9	5375.3	5463.4	5577.1	5727.5	5815.6	5859.6
15°	5125.8	5133.1	5169.8	5323.9	5456.0	5624.8	5705.5	5808.3	5892.7	6057.8	6061.4
17.5°	5188.2	5228.5	5338.6	5511.1	5676.2	5837.6	5966.0	6072.4	6145.8	6211.9	6197.2
20°	5423.0	5452.4	5566.1	5738.6	5984.4	6142.2	6186.2	6204.5	6252.2	6384.3	6344.0
22.5°	5650.5	5661.5	5767.9	6032.1	6204.5	6413.7	6461.4	6450.4	6468.7	6501.7	6560.4
25°	5885.3	5903.7	6050.4	6274.2	6516.4	6765.9	6806.3	6721.9	6696.2	6732.9	6736.6
27.5°	6186.2	6189.9	6377.0	6571.4	6846.6	7081.5	7143.8	7077.8	6956.7	6986.1	7033.8
30°	6567.8	6542.1	6729.2	7008.1	7297.9	7430.0	7536.4	7503.4	7371.3	7345.6	7305.3
32.5°	7008.1	7015.4	7184.2	7488.7	7679.5	7899.7	8013.4	7958.4	7874.0	7830.0	7855.7
35°	7628.2	7661.2	7774.9	8028.1	8336.3	8446.4	8626.2	8508.8	8288.6	8343.6	8391.3
37.5°	8138.2	8233.6	8446.4	8747.3	8930.7	9132.5	9198.6	9040.8	8879.3	8813.3	8971.1
40°	8919.7	8890.4	9125.2	9426.0	9697.6	9899.4	9815.0	9657.2	9257.3	9260.9	9305.0
42.5°	9591.2	9605.8	9785.6	10145.2	10515.8	10640.5	10372.7	9987.4	9543.5	9495.8	9591.2
45°	10156.2	10214.9	10317.7	10798.3	11161.6	11297.3	10802.0	10347.0	9752.6	9554.5	9712.2
47.5°	10358.0	10453.4	10677.2	11117.5	11477.1	11587.2	11190.9	10537.8	9947.1	9624.2	9708.6
50°	10387.4	10354.3	10721.3	11124.9	11440.4	11678.9	11330.3	10677.2	9899.4	9730.6	9704.9
52.5°	9583.8	9745.3	10137.9	10691.9	11330.3	11711.9	11455.1	10754.3	9965.4	9774.6	9712.2
55°	7756.6	7565.8	8281.3	9213.2	10387.4	11447.8	11411.1	10794.6	10005.8	9848.0	9763.6
57.5°	4329.6	4384.6	4788.2	5800.9	7316.3	9077.5	10145.2	10369.0	9987.4	9895.7	9939.7
60°	2003.4	2021.7	2194.2	2667.5	3606.8	5147.8	6553.1	7980.4	8637.2	8769.3	8769.3
62.5°	1493.3	1486.0	1530.0	1614.4	1812.6	2366.6	3159.1	4292.9	5195.5	5826.6	5991.7
65°	1350.2	1346.6	1368.6	1397.9	1412.6	1489.7	1665.8	2014.4	2307.9	2476.7	2447.3
67.5°	1181.5	1177.8	1185.1	1203.5	1229.2	1269.5	1313.6	1386.9	1489.7	1482.3	1464.0
70°	954.0	954.0	965.0	979.7	1009.0	1056.7	1108.1	1159.5	1247.5	1265.9	1262.2
72.5°	704.5	693.5	715.5	744.8	774.2	832.9	887.9	935.6	998.0	1016.4	1009.0
75°	447.6	455.0	469.7	502.7	554.0	594.4	653.1	693.5	733.8	748.5	752.2
77.5°	249.5	256.8	282.5	322.9	374.3	418.3	469.7	502.7	528.4	532.0	535.7
80°	150.4	154.1	179.8	216.5	260.5	308.2	348.6	381.6	403.6	392.6	388.9
82.5°	91.7	95.4	117.4	150.4	187.1	223.8	267.8	297.2	319.2	304.5	289.9
85°	47.7	51.4	69.7	91.7	121.1	139.4	139.4	124.8	121.1	113.7	110.1
87.5°	14.7	14.7	18.3	22.0	18.3	22.0	25.7	29.4	29.4	33.0	29.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)