

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: P533143

Luminaire Tested: **GALN-SA8C-740-U-RW-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P533143
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-7)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA8C-740-U-RW-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 70 CRI, 4000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR
WIDE OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 36688 lumens
Efficiency: N/A
Efficacy: 85.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

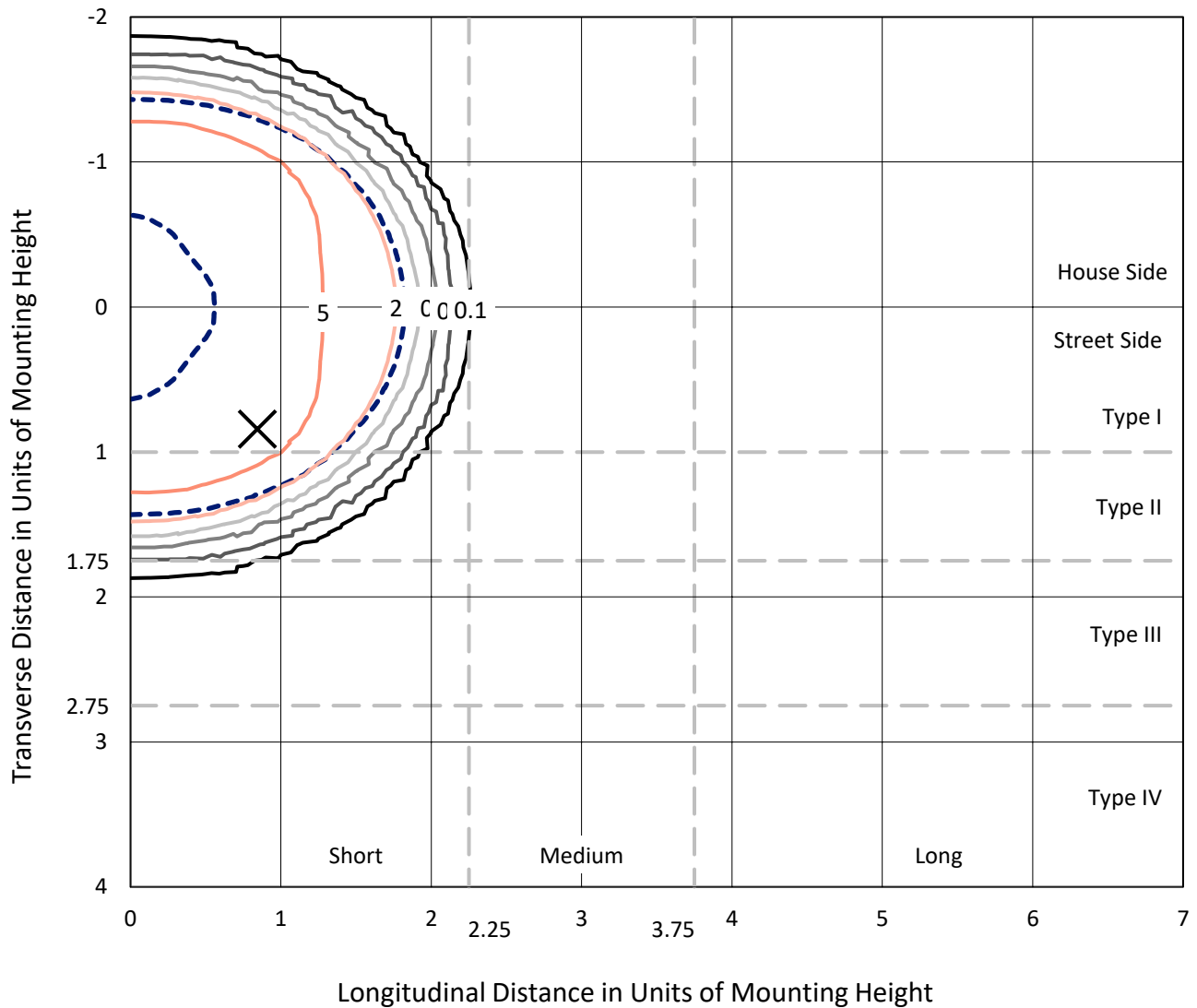
Input Watts (W): 429
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

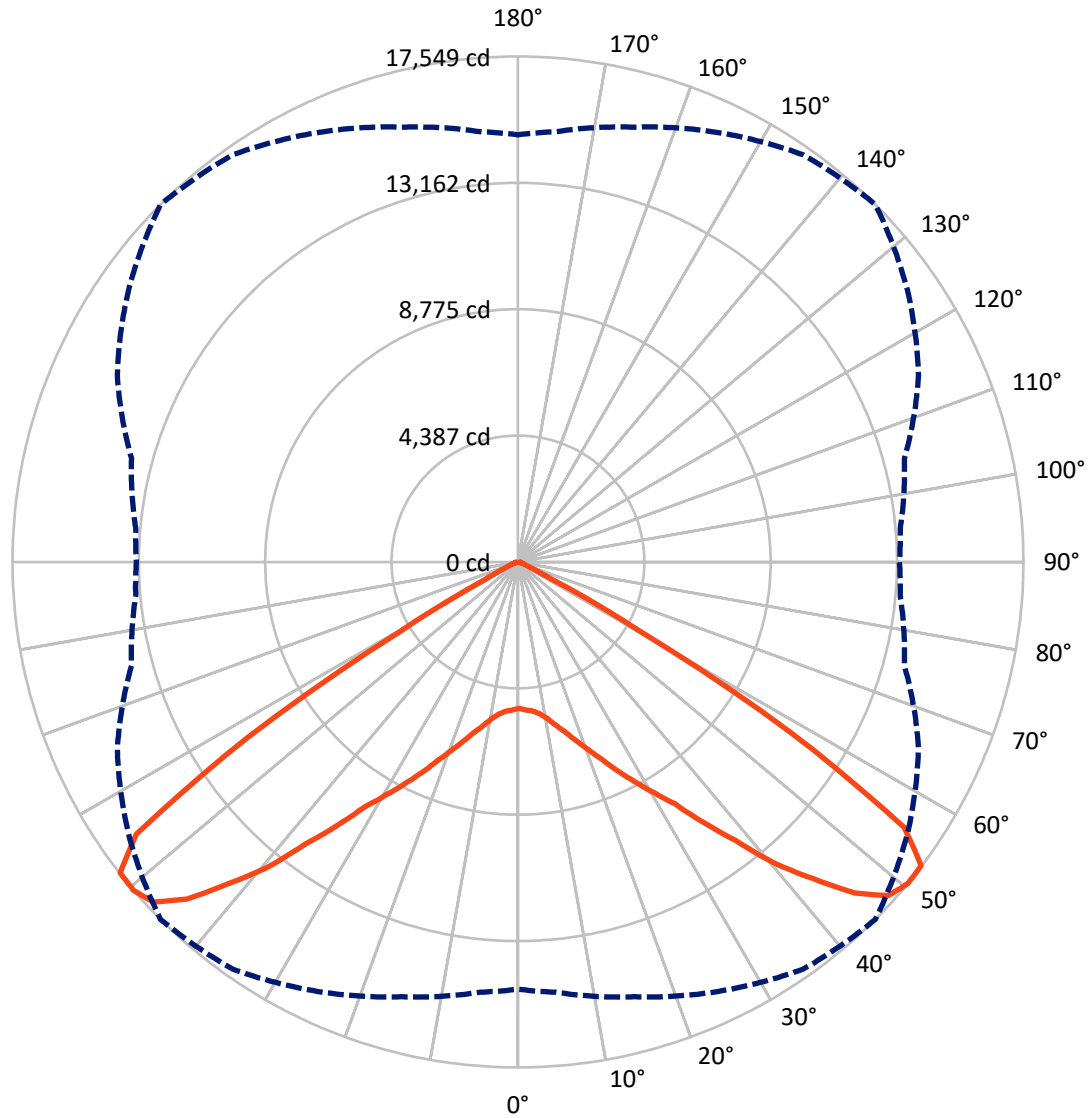
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.8 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 50-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	18344.0	0.0	18344.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	18344.0	0.0	18344.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	36688.0	0.0	36688.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	506.0	1.4
10°-20°	1744.0	4.8
20°-30°	3562.0	9.7
30°-40°	6792.7	18.5
40°-50°	11446.7	31.2
50°-60°	10916.5	29.8
60°-70°	1523.9	4.2
70°-80°	145.7	0.4
80°-90°	50.4	0.1
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°	36688.0	100.0
0°-180°	36688.0	100.0

Coefficient of Utilization

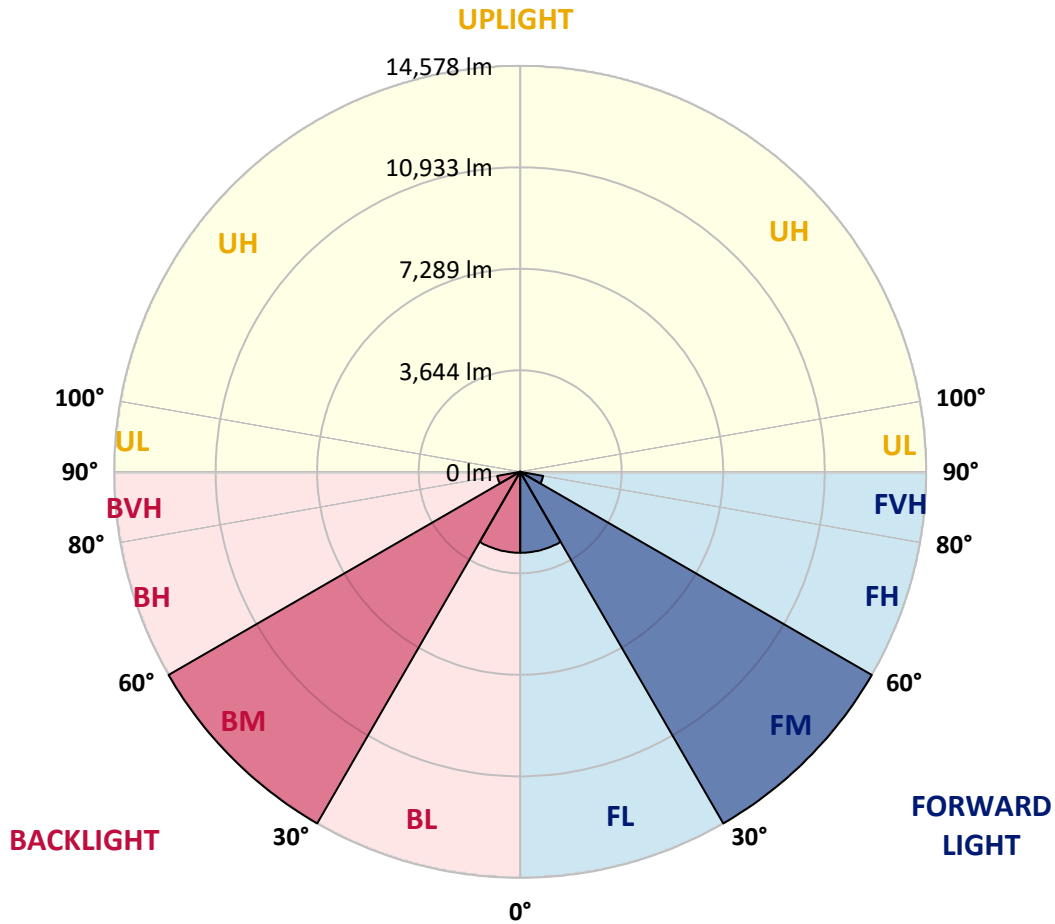


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2906.0	7.9			
FM (30°-60°)	14578.0	39.7			
FH (60°-80°)	834.8	2.3			G1/1800
FVH (80°-90°)	25.2	0.1			G1/100
BL (0°-30°)	2906.0	7.9	B4/5000		
BM (30°-60°)	14578.0	39.7	B5		
BH (60°-80°)	834.8	2.3	B2/1000		G1/1800
BVH (80°-90°)	25.2	0.1			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°	5086.4	5086.4	5086.4	5086.4	5086.4	5086.4	5086.4	5086.4	5086.4	5086.4	5086.4
2.5°	5067.9	5067.9	5061.7	5111.1	5086.4	5141.9	5135.8	5154.3	5172.8	5166.6	5216.0
5°	5024.7	5018.5	5018.5	5074.0	5129.6	5191.3	5246.9	5283.9	5345.6	5345.6	5407.4
7.5°	5067.9	5037.0	5080.2	5104.9	5209.8	5314.8	5407.4	5481.4	5623.4	5672.8	5654.3
10°	5080.2	5117.3	5148.1	5222.2	5351.8	5512.3	5592.6	5777.7	5938.2	6049.3	6074.0
12.5°	5160.5	5216.0	5302.4	5481.4	5598.7	5808.6	5919.7	6098.7	6320.9	6444.4	6530.8
15°	5314.8	5333.3	5444.4	5672.8	5925.9	6117.2	6290.1	6419.7	6635.8	6777.7	6783.9
17.5°	5512.3	5592.6	5746.9	5962.9	6228.4	6512.3	6648.1	6790.1	6870.3	7061.7	7104.9
20°	5907.4	5919.7	6067.9	6351.8	6685.1	6944.4	7043.2	7117.2	7086.4	7283.9	7320.9
22.5°	6277.7	6290.1	6475.3	6858.0	7216.0	7438.2	7481.4	7438.2	7345.6	7487.6	7500.0
25°	6654.3	6765.4	6901.2	7283.9	7728.3	8024.6	8030.8	7913.5	7722.2	7746.9	7808.6
27.5°	7240.7	7320.9	7462.9	7814.8	8302.4	8635.7	8580.2	8438.2	8191.3	8209.8	8191.3
30°	7925.9	7999.9	8117.2	8567.8	8925.9	9290.1	9370.3	9234.5	8864.1	8783.9	8876.5
32.5°	8753.0	8858.0	9074.0	9487.6	9790.1	10012.3	10067.8	10018.5	9672.8	9641.9	9703.6
35°	9759.2	9901.2	10098.7	10462.9	10709.8	11111.0	11111.0	10944.4	10629.6	10666.6	10660.4
37.5°	10820.9	11030.8	11339.4	11709.8	12043.1	12259.2	12191.3	12049.3	11734.5	11654.2	11734.5
40°	12154.2	12259.2	12648.1	13129.5	13537.0	13783.9	13493.7	13185.1	12432.0	12549.3	12765.4
42.5°	13370.3	13537.0	13833.2	14364.1	14827.1	15030.8	14685.1	14074.0	13166.6	13074.0	13234.5
45°	14407.3	14586.3	14975.2	15734.5	16222.1	16401.1	15635.7	14648.1	13611.0	13376.5	13444.4
47.5°	15098.7	15191.3	15734.5	16456.7	16901.1	17308.5	16209.8	15043.1	13820.9	13376.5	13351.8
50°	14833.2	14993.7	15629.5	16450.5	17259.2	17549.3	16499.9	15345.6	13888.8	13320.9	13246.8
52.5°	13172.8	13450.5	14160.4	15265.3	16487.6	17524.6	16901.1	15246.8	13864.1	13376.5	13487.6
55°	9166.6	9172.8	10037.0	11666.6	13827.1	16271.5	16314.7	15357.9	14024.6	13722.1	13728.3
57.5°	3685.2	3870.3	4530.8	6166.6	8160.4	11172.8	13283.9	14246.8	14043.1	13969.0	14160.4
60°	932.1	938.3	1142.0	1740.7	2870.4	4790.1	6956.7	9413.5	10839.4	11327.1	11395.0
62.5°	475.3	481.5	530.9	617.3	783.9	1283.9	2283.9	3623.4	5154.3	5932.1	6135.8
65°	388.9	388.9	419.8	463.0	469.1	493.8	592.6	845.7	1228.4	1395.1	1413.6
67.5°	296.3	296.3	321.0	345.7	358.0	351.8	339.5	351.8	425.9	407.4	395.1
70°	185.2	191.4	203.7	228.4	240.7	246.9	253.1	265.4	302.5	314.8	302.5
72.5°	111.1	111.1	117.3	135.8	154.3	166.7	185.2	197.5	216.0	246.9	240.7
75°	49.4	49.4	61.7	80.2	98.8	117.3	135.8	154.3	166.7	185.2	191.4
77.5°	12.3	18.5	30.9	55.6	74.1	98.8	123.5	142.0	154.3	154.3	148.1
80°	6.2	6.2	24.7	43.2	80.2	104.9	135.8	148.1	166.7	154.3	135.8
82.5°	6.2	6.2	24.7	43.2	74.1	104.9	142.0	160.5	172.8	154.3	129.6
85°	0.0	6.2	18.5	37.0	61.7	74.1	61.7	43.2	24.7	24.7	18.5
87.5°	0.0	0.0	6.2	6.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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)