

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: P532203

Luminaire Tested: **GALN-SA7C-740-U-5WQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P532203
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-1)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA7C-740-U-5WQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 70 CRI, 4000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 25542 lumens
Efficiency: N/A
Efficacy: 67.8 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

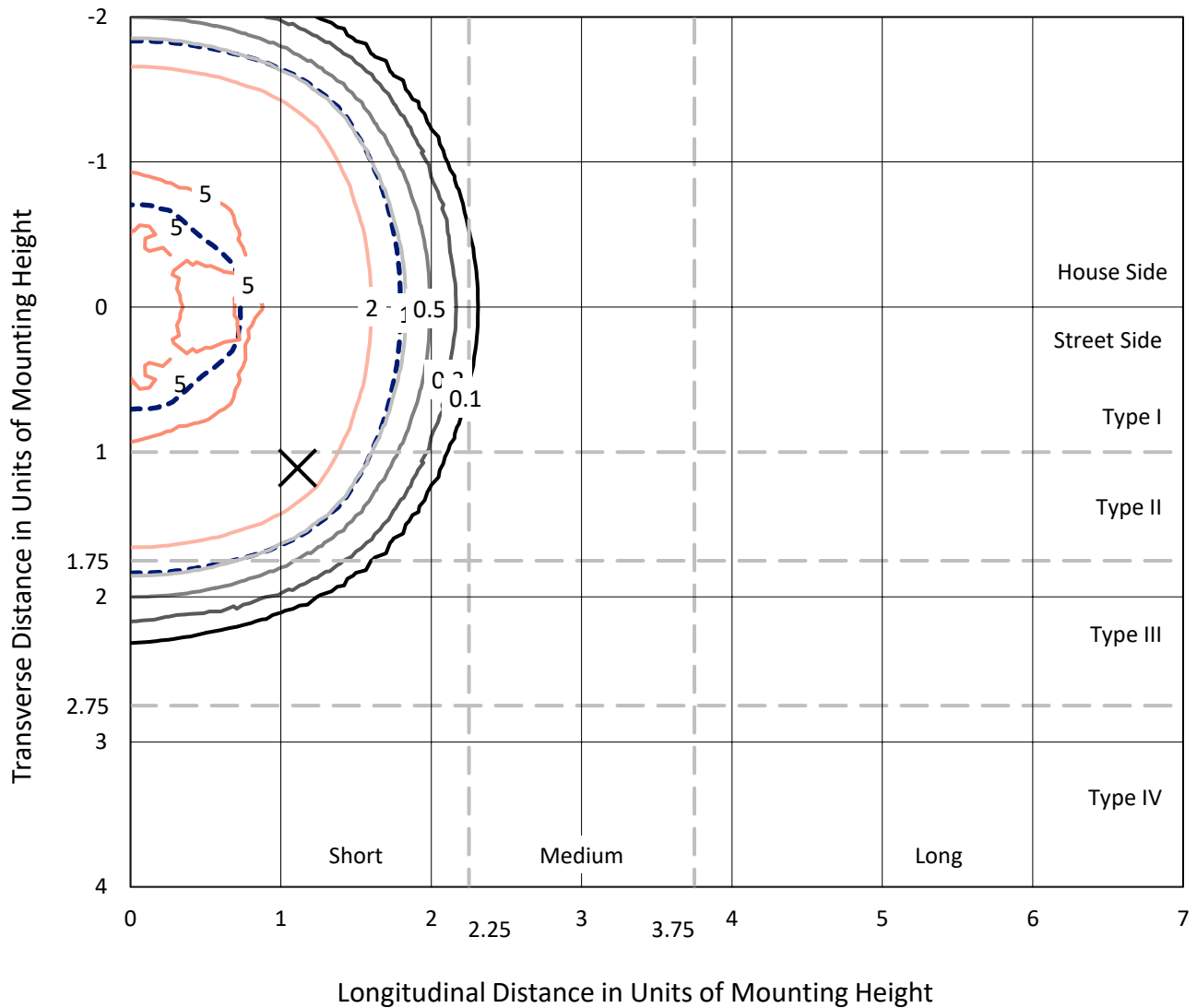
Input Watts (W): 377
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

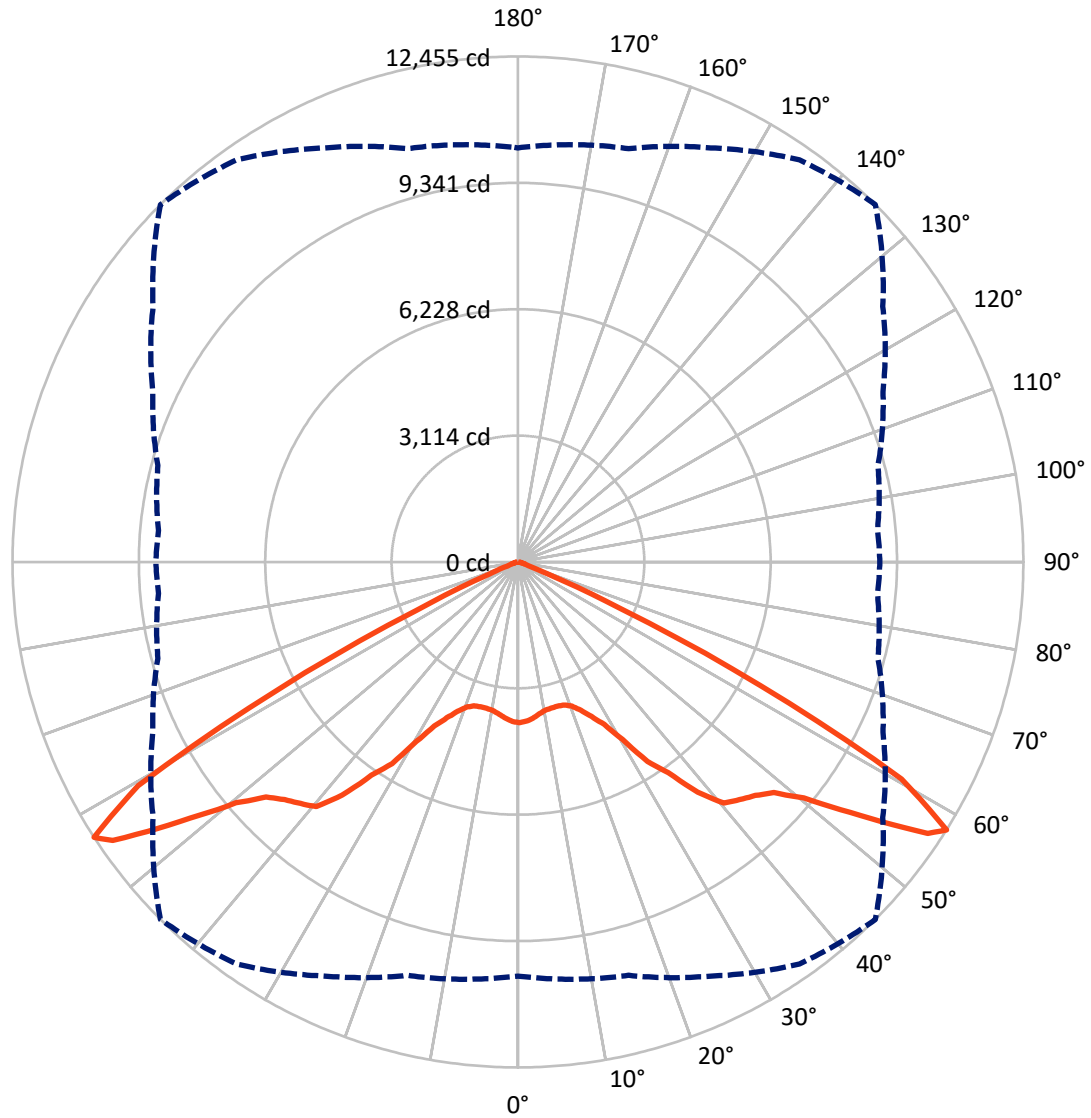
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.3 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	12771.0	0.0	12771.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	12771.0	0.0	12771.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	25542.0	0.0	25542.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	364.1	1.4
10°-20°	1052.3	4.1
20°-30°	1942.5	7.6
30°-40°	3820.1	15.0
40°-50°	6221.9	24.4
50°-60°	8873.2	34.7
60°-70°	3072.1	12.0
70°-80°	164.8	0.6
80°-90°	31.0	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°	25542.0	100.0
0°-180°	25542.0	100.0

Coefficient of Utilization



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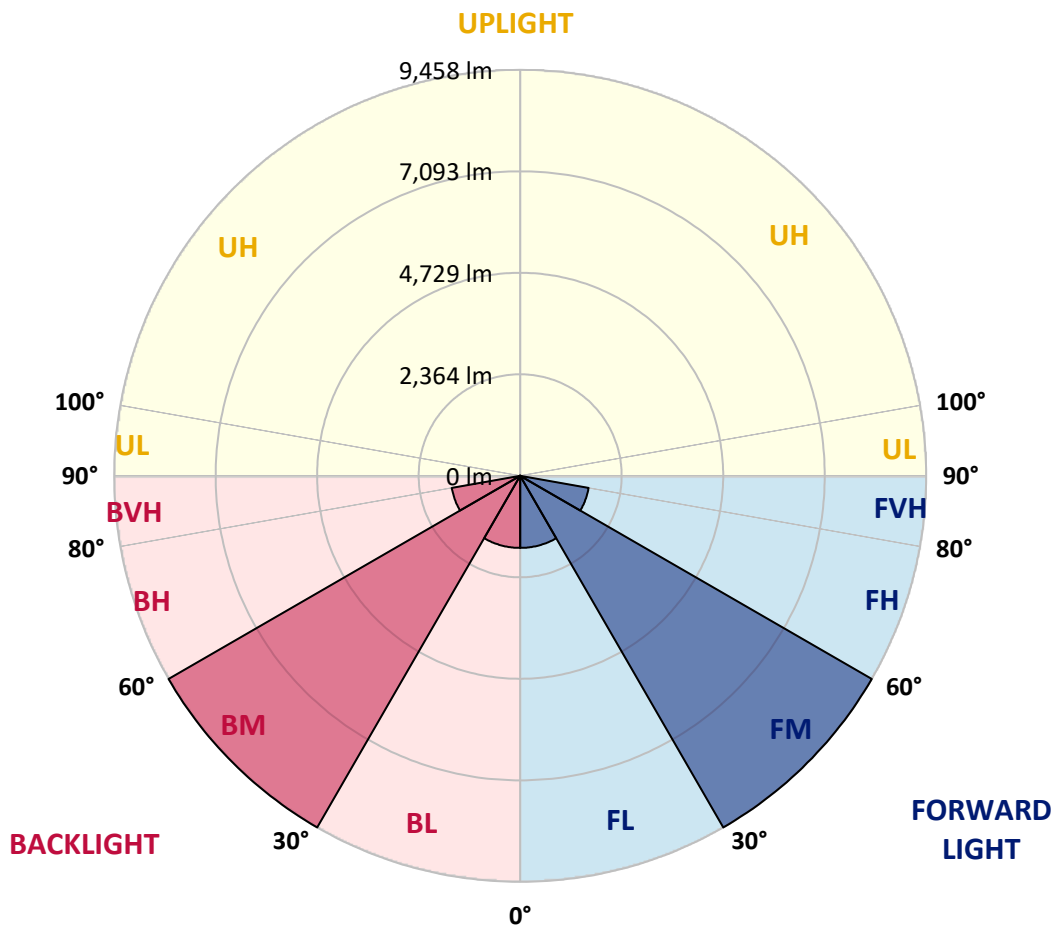
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1679.4	6.6			
FM (30°-60°)	9457.6	37.0			
FH (60°-80°)	1618.5	6.3			G1/1800
FVH (80°-90°)	15.5	0.1			G1/100
BL (0°-30°)	1679.4	6.6	B3/2500		
BM (30°-60°)	9457.6	37.0	B5		
BH (60°-80°)	1618.5	6.3	B3/2500		G1/1800
BVH (80°-90°)	15.5	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°	3961.8	3961.8	3961.8	3961.8	3961.8	3961.8	3961.8	3961.8	3961.8	3961.8	3961.8
2.5°	3951.2	3972.5	3945.9	3935.2	3929.9	3929.9	3913.9	3913.9	3908.6	3913.9	3892.6
5°	3887.3	3908.6	3908.6	3903.3	3871.3	3866.0	3850.0	3839.4	3844.7	3823.4	3839.4
7.5°	3823.4	3839.4	3818.1	3812.7	3802.1	3780.8	3775.5	3727.5	3732.9	3732.9	3743.5
10°	3812.7	3807.4	3775.5	3748.8	3716.9	3711.6	3695.6	3684.9	3684.9	3679.6	3695.6
12.5°	3812.7	3786.1	3780.8	3722.2	3669.0	3690.3	3647.7	3621.0	3658.3	3669.0	3690.3
15°	3807.4	3834.0	3743.5	3716.9	3679.6	3684.9	3647.7	3621.0	3642.3	3653.0	3669.0
17.5°	3839.4	3823.4	3796.8	3743.5	3727.5	3706.2	3658.3	3637.0	3637.0	3663.6	3669.0
20°	3924.6	3882.0	3828.7	3802.1	3818.1	3791.4	3732.9	3653.0	3674.3	3695.6	3711.6
22.5°	4004.4	3972.5	3935.2	3919.2	4009.8	3967.2	3866.0	3775.5	3743.5	3780.8	3807.4
25°	4158.9	4158.9	4089.6	4110.9	4212.1	4217.4	4100.3	3940.5	3919.2	3935.2	3945.9
27.5°	4473.0	4489.0	4430.4	4451.7	4494.3	4531.6	4430.4	4297.3	4249.4	4244.1	4260.0
30°	4813.8	4845.8	4840.5	4931.0	5053.5	5074.8	4925.7	4707.3	4563.6	4536.9	4558.2
32.5°	5261.1	5277.1	5266.5	5373.0	5703.1	5857.5	5468.8	5160.0	4968.3	5016.2	4968.3
35°	6102.5	6086.5	5969.4	5990.7	6262.3	6374.1	6001.3	5804.3	5713.8	5809.6	5788.3
37.5°	6826.7	6768.1	6672.3	6810.7	7093.0	7194.1	6805.4	6459.3	6294.2	6454.0	6523.2
40°	7439.1	7290.0	7156.9	7295.3	7673.4	7811.8	7242.1	6959.8	6895.9	7013.1	7162.2
42.5°	7955.6	7859.8	7684.0	7694.7	7945.0	8008.9	7550.9	7385.8	7321.9	7508.3	7582.9
45°	8323.0	8232.5	8067.4	8056.8	8248.5	8205.9	7795.9	7684.0	7721.3	7843.8	7881.1
47.5°	8509.4	8557.3	8461.5	8488.1	8589.3	8488.1	8163.3	8163.3	8078.1	8152.6	8115.4
50°	9047.2	8898.1	9020.6	9020.6	9127.1	9137.8	8812.9	8695.8	8466.8	8339.0	8339.0
52.5°	9675.6	9686.3	9734.2	9909.9	10091.0	10245.4	9782.1	9281.5	8898.1	8733.1	8711.8
55°	10192.1	10298.6	10490.3	10820.5	11342.3	11555.3	10756.6	9862.0	9393.4	9137.8	9084.5
56°	10474.4	10373.2	10703.3	11156.0	11837.6	12114.5	10916.3	9979.1	9462.6	9175.0	9169.7
57.5°	10202.8	10314.6	10543.6	11257.1	12093.2	12455.3	10974.9	9925.9	9185.7	8892.8	8919.4
60°	8056.8	8163.3	8472.1	9270.9	10580.9	10863.1	9286.9	8184.6	7524.3	7103.6	7108.9
62.5°	4558.2	4638.1	4877.7	5617.9	6432.7	6704.2	5788.3	5053.5	4595.5	4361.2	4286.7
65°	1677.4	1645.4	1682.7	2060.8	2561.3	2790.3	2406.9	2034.2	1794.5	1709.3	1677.4
67.5°	628.4	580.4	543.2	580.4	729.5	772.1	708.2	591.1	553.8	569.8	580.4
70°	388.7	367.4	292.9	276.9	271.6	266.3	282.2	298.2	340.8	399.4	410.0
72.5°	271.6	255.6	207.7	197.0	186.4	181.1	207.7	229.0	266.3	308.9	314.2
75°	106.5	111.8	106.5	117.2	122.5	127.8	149.1	165.1	181.1	181.1	175.7
77.5°	21.3	21.3	32.0	42.6	53.3	69.2	101.2	117.2	122.5	117.2	101.2
80°	0.0	0.0	10.7	21.3	42.6	58.6	90.5	101.2	111.8	101.2	79.9
82.5°	0.0	0.0	10.7	26.6	42.6	53.3	85.2	106.5	122.5	111.8	85.2
85°	0.0	0.0	10.7	21.3	32.0	37.3	37.3	26.6	26.6	16.0	10.7
87.5°	0.0	0.0	0.0	0.0	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)