

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: P531497

Luminaire Tested: **GALN-SA6D-740-U-5MQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P531497
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-3)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA6D-740-U-5MQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 4000K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V
MEDIUM OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 27531 lumens
Efficiency: N/A
Efficacy: 74.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

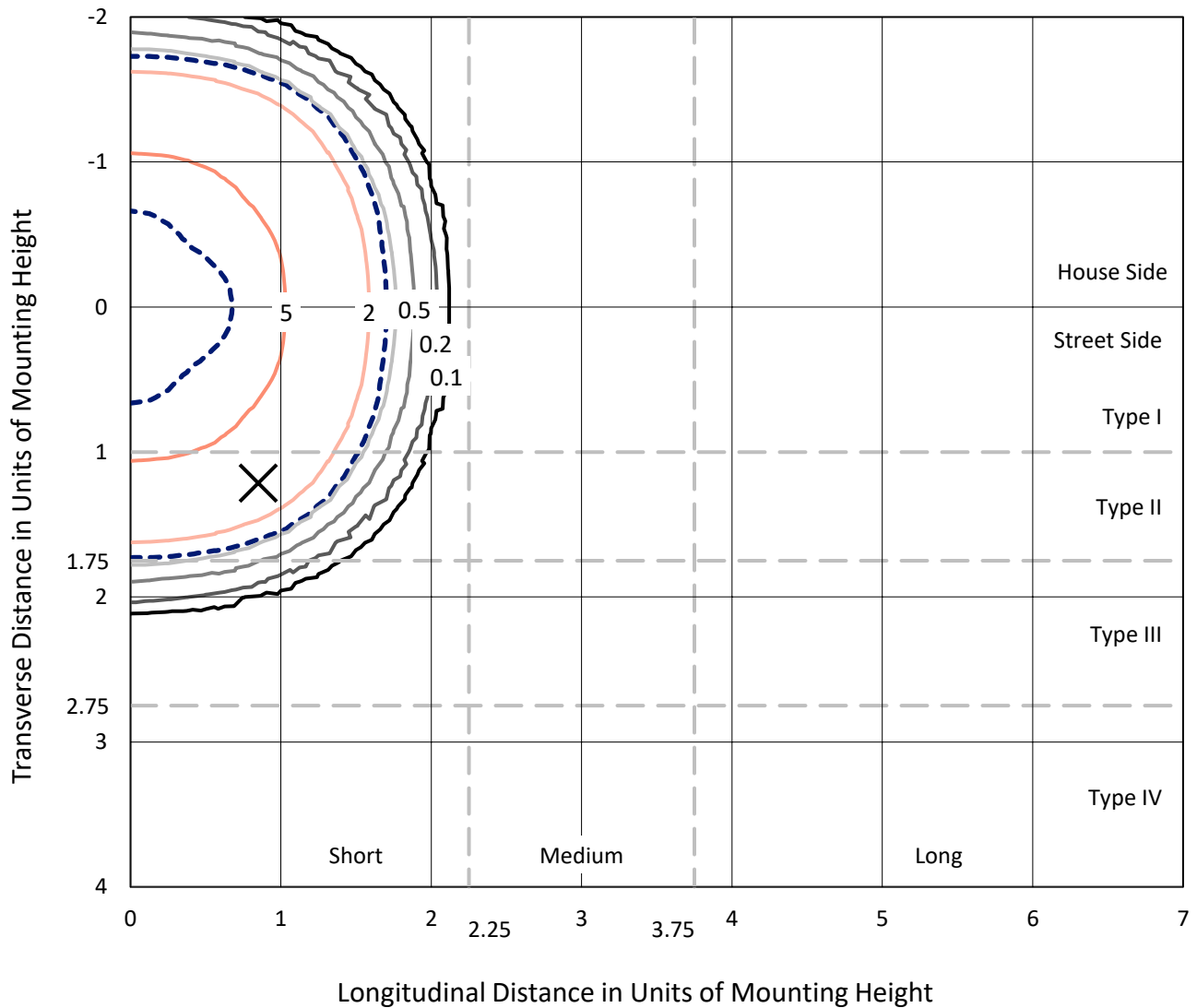
Input Watts (W): 368
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

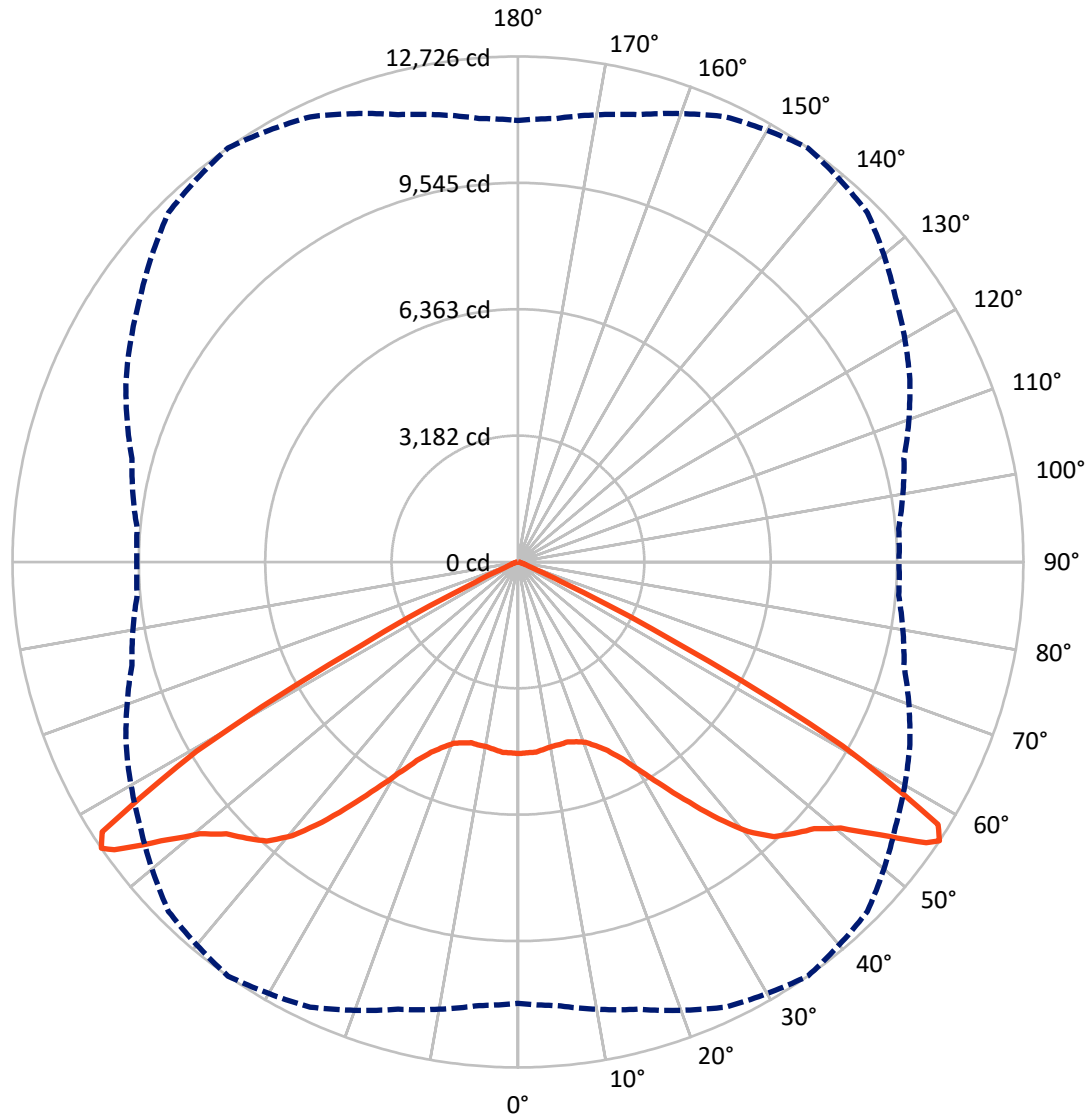
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.7 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 56-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	13765.5	0.0	13765.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	13765.5	0.0	13765.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	27531.0	0.0	27531.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	453.4	1.6
10°-20°	1323.7	4.8
20°-30°	2397.0	8.7
30°-40°	4444.8	16.1
40°-50°	7295.9	26.5
50°-60°	9399.3	34.1
60°-70°	2071.5	7.5
70°-80°	120.2	0.4
80°-90°	25.3	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°	27531.0	100.0
0°-180°	27531.0	100.0

Coefficient of Utilization



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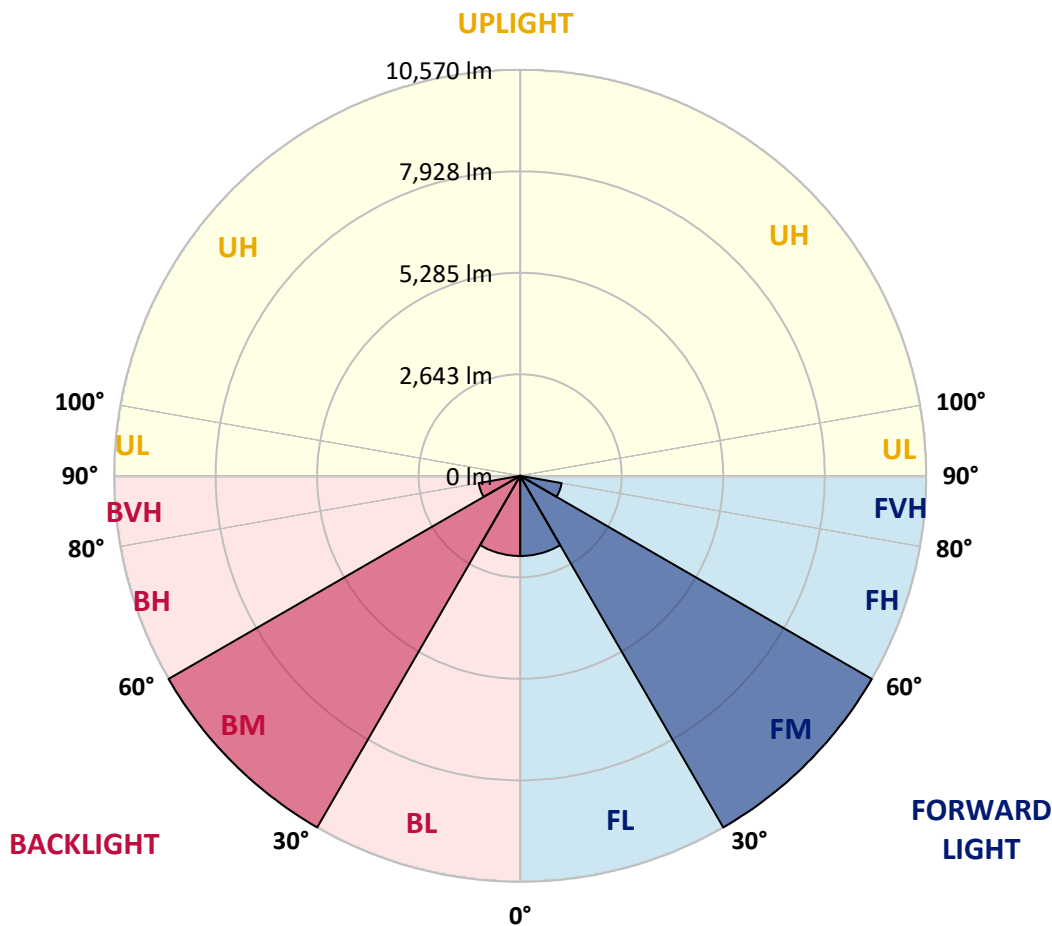
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2087.0	7.6			
FM (30°-60°)	10570.0	38.4			
FH (60°-80°)	1095.8	4.0			G1/1800
FVH (80°-90°)	12.6	0.0			G1/100
BL (0°-30°)	2087.0	7.6	B3/2500		
BM (30°-60°)	10570.0	38.4	B5		
BH (60°-80°)	1095.8	4.0	B3/2500		G1/1800
BVH (80°-90°)	12.6	0.0			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°	4824.0	4824.0	4824.0	4824.0	4824.0	4824.0	4824.0	4824.0	4824.0	4824.0	4824.0
2.5°	4834.0	4834.0	4839.0	4844.0	4809.1	4794.1	4799.1	4789.1	4784.1	4799.1	4799.1
5°	4819.0	4819.0	4804.1	4809.1	4809.1	4764.2	4764.2	4774.1	4774.1	4744.2	4734.2
7.5°	4779.1	4769.1	4749.2	4774.1	4759.2	4759.2	4724.3	4699.3	4689.3	4709.3	4689.3
10°	4694.3	4699.3	4719.3	4729.2	4719.3	4749.2	4689.3	4654.4	4619.5	4604.5	4604.5
12.5°	4654.4	4684.3	4654.4	4679.4	4714.3	4689.3	4654.4	4629.5	4579.6	4559.6	4559.6
15°	4649.4	4669.4	4679.4	4714.3	4699.3	4709.3	4639.4	4609.5	4534.7	4499.8	4484.8
17.5°	4644.4	4669.4	4684.3	4749.2	4759.2	4764.2	4709.3	4619.5	4554.6	4519.7	4484.8
20°	4699.3	4709.3	4739.2	4804.1	4844.0	4913.8	4814.0	4719.3	4579.6	4539.7	4524.7
22.5°	4769.1	4819.0	4849.0	4918.8	5023.6	5083.4	4953.7	4834.0	4689.3	4639.4	4579.6
25°	4993.6	4983.7	5033.5	5178.2	5263.0	5307.9	5203.2	5028.6	4839.0	4779.1	4789.1
27.5°	5273.0	5283.0	5327.9	5487.5	5612.2	5682.1	5557.4	5327.9	5143.3	5043.5	5033.5
30°	5637.2	5627.2	5677.1	5891.6	6116.1	6220.8	6001.3	5732.0	5552.4	5422.7	5452.6
32.5°	6021.3	6026.3	6166.0	6360.5	6724.7	6929.2	6575.0	6245.8	5976.4	5886.6	5841.7
35°	6590.0	6614.9	6724.7	7024.0	7428.1	7692.5	7303.4	6909.3	6600.0	6435.4	6455.3
37.5°	7293.4	7268.5	7453.0	7777.3	8201.3	8395.9	8066.6	7617.7	7303.4	7193.6	7263.5
40°	8041.7	8066.6	8161.4	8455.8	8929.7	9059.4	8570.5	8326.1	8051.7	7996.8	8081.6
42.5°	8790.0	8775.0	8844.9	9109.3	9453.5	9363.7	9074.4	8929.7	8735.1	8625.4	8740.1
45°	9338.8	9313.8	9443.5	9623.1	9747.8	9578.2	9448.5	9398.6	9298.8	9179.1	9283.9
47.5°	9872.5	9852.6	9977.3	10027.2	10037.2	9812.7	9837.6	9927.4	9678.0	9428.5	9548.3
50°	10326.5	10291.6	10446.2	10556.0	10531.0	10171.9	10261.7	10171.9	9782.7	9488.4	9443.5
52.5°	11084.8	11099.7	11264.4	11463.9	11404.1	11104.7	10975.0	10566.0	10067.1	9802.7	9648.0
55°	11563.7	11488.9	11773.2	12406.8	12476.6	12167.3	11593.6	10990.0	10241.7	9917.4	9877.5
56°	11114.7	11209.5	11658.5	12366.9	12726.0	12441.7	11608.6	10885.2	10062.1	9623.1	9593.2
57.5°	9972.3	9922.4	10531.0	11498.8	12476.6	12356.9	11199.5	10136.9	9179.1	8685.2	8625.4
60°	6205.9	6350.5	6884.3	8081.6	9388.6	9448.5	8301.1	7388.2	6270.7	5831.7	5936.5
62.5°	2429.5	2304.8	2639.0	3532.0	4429.9	4629.5	4195.5	3487.1	2863.5	2429.5	2399.5
65°	563.7	548.8	618.6	853.1	1192.3	1381.9	1312.0	942.9	693.4	658.5	608.6
67.5°	319.3	319.3	304.3	304.3	334.2	354.2	339.2	334.2	349.2	364.2	359.2
70°	224.5	219.5	209.5	214.5	204.5	204.5	219.5	244.4	264.4	264.4	269.4
72.5°	134.7	134.7	134.7	149.7	149.7	149.7	164.6	184.6	189.6	184.6	179.6
75°	59.9	59.9	69.8	84.8	94.8	99.8	114.7	124.7	134.7	124.7	114.7
77.5°	15.0	15.0	24.9	34.9	44.9	54.9	74.8	89.8	94.8	89.8	74.8
80°	5.0	5.0	10.0	24.9	44.9	54.9	74.8	79.8	84.8	74.8	59.9
82.5°	5.0	5.0	10.0	24.9	34.9	44.9	59.9	69.8	74.8	64.9	59.9
85°	0.0	5.0	10.0	20.0	29.9	39.9	39.9	29.9	24.9	15.0	20.0
87.5°	0.0	0.0	5.0	5.0	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)