

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: P531445

Luminaire Tested: **GALN-SA6D-730-U-5MQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P531445
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-730-U-5MQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 3000K, 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: 25073 lumens
Efficiency: N/A
Efficacy: 68.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

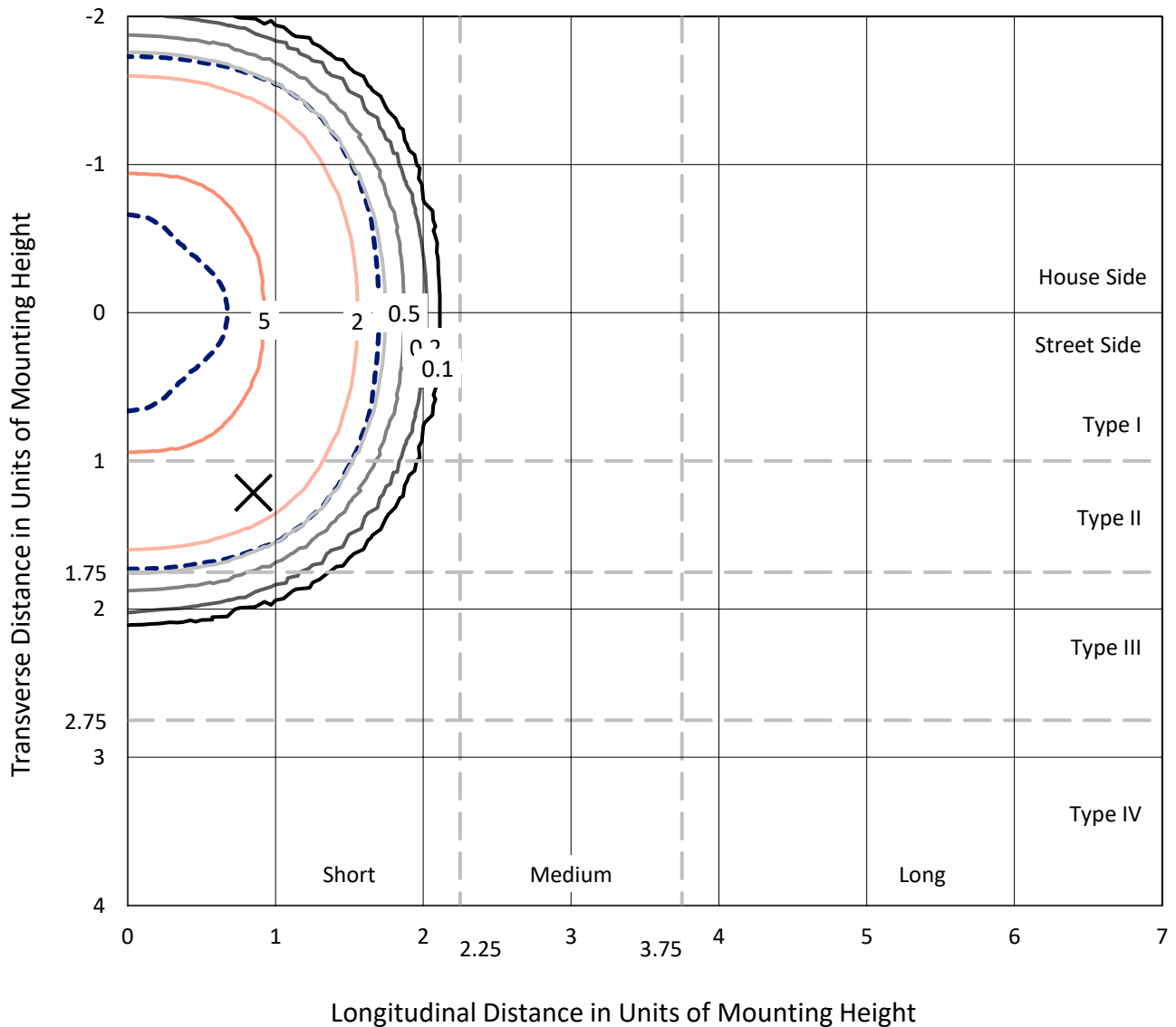
Input Watts (W): 368
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

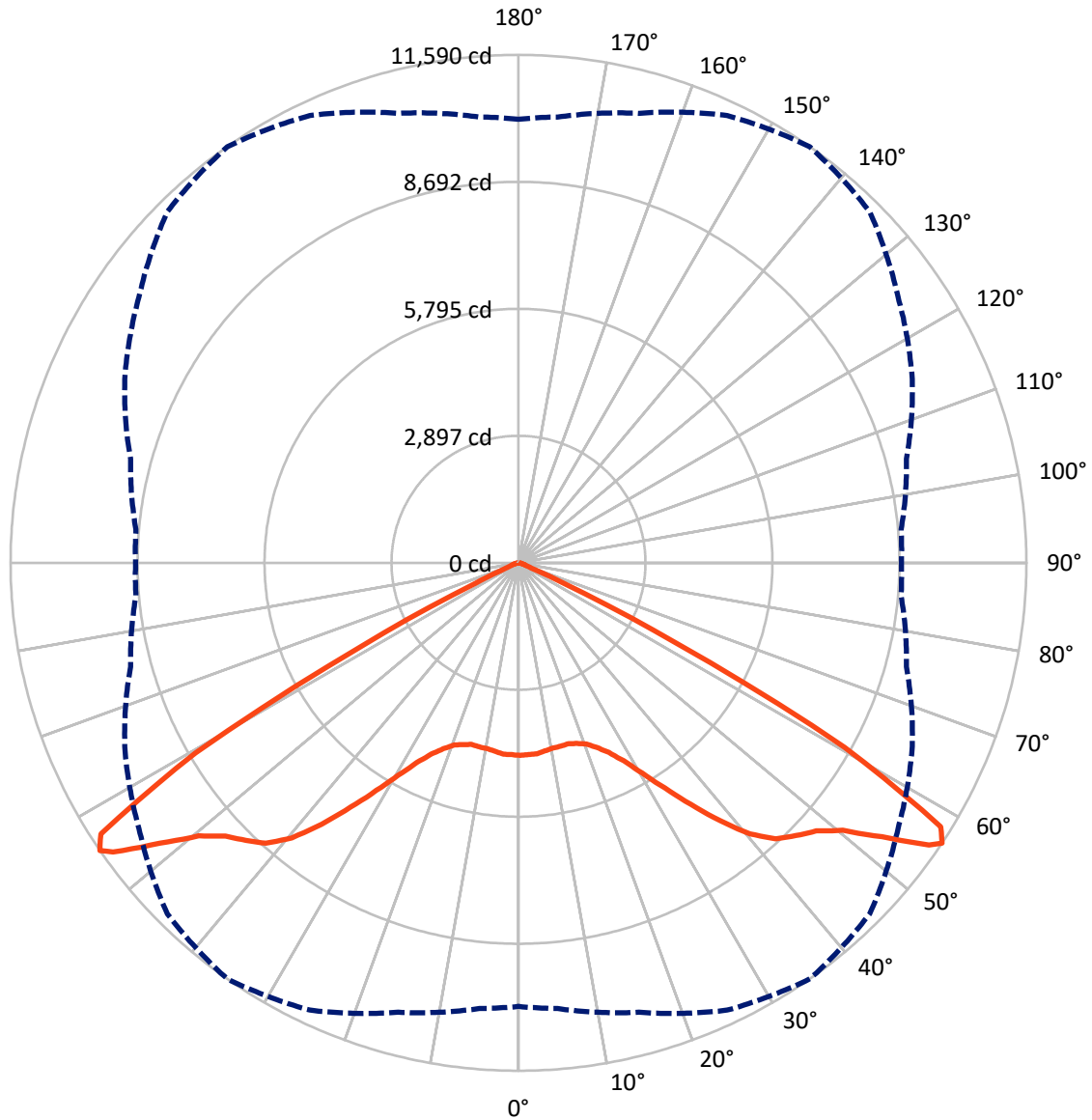
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7 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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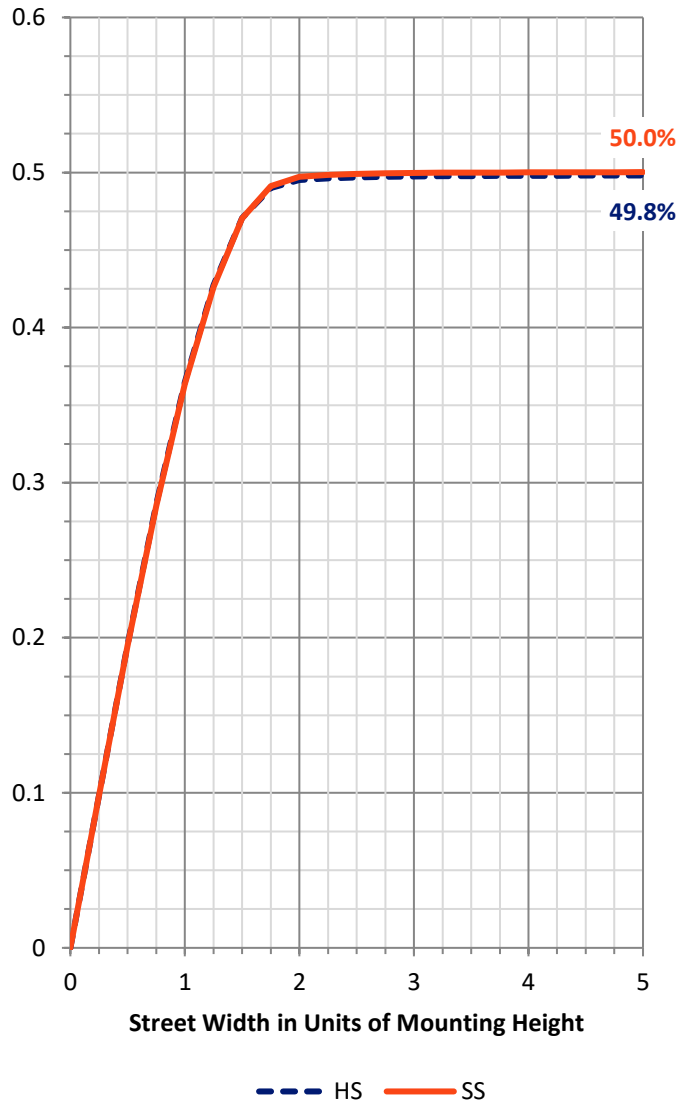
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	12536.5	0.0	12536.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	12536.5	0.0	12536.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	25073.0	0.0	25073.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	412.9	1.6
10°-20°	1205.5	4.8
20°-30°	2183.0	8.7
30°-40°	4048.0	16.1
40°-50°	6644.5	26.5
50°-60°	8560.1	34.1
60°-70°	1886.5	7.5
70°-80°	109.5	0.4
80°-90°	23.0	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°	25073.0	100.0
0°-180°	25073.0	100.0

Coefficient of Utilization



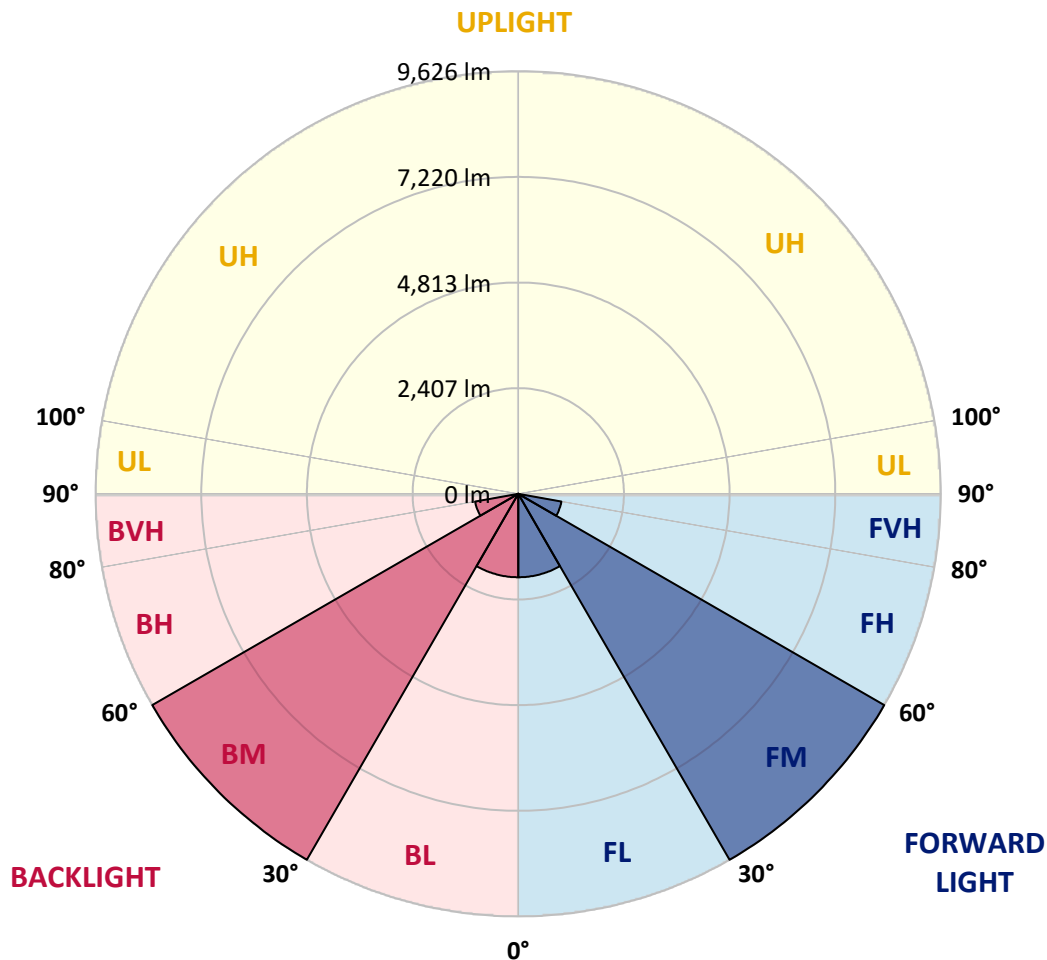
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1900.7	7.6			
FM (30°-60°)	9626.3	38.4			
FH (60°-80°)	998.0	4.0			G1/1800
FVH (80°-90°)	11.5	0.0			G1/100
BL (0°-30°)	1900.7	7.6	B3/2500		
BM (30°-60°)	9626.3	38.4	B5		
BH (60°-80°)	998.0	4.0	B2/1000		G1/1800
BVH (80°-90°)	11.5	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°	4393.3	4393.3	4393.3	4393.3	4393.3	4393.3	4393.3	4393.3	4393.3	4393.3	4393.3
2.5°	4402.4	4402.4	4407.0	4411.5	4379.7	4366.1	4370.6	4361.5	4357.0	4370.6	4370.6
5°	4388.8	4388.8	4375.2	4379.7	4379.7	4338.8	4338.8	4347.9	4347.9	4320.6	4311.6
7.5°	4352.4	4343.4	4325.2	4347.9	4334.3	4334.3	4302.5	4279.7	4270.7	4288.8	4270.7
10°	4275.2	4279.7	4297.9	4307.0	4297.9	4325.2	4270.7	4238.9	4207.1	4193.4	4193.4
12.5°	4238.9	4266.1	4238.9	4261.6	4293.4	4270.7	4238.9	4216.1	4170.7	4152.5	4152.5
15°	4234.3	4252.5	4261.6	4293.4	4279.7	4288.8	4225.2	4198.0	4129.8	4098.0	4084.4
17.5°	4229.8	4252.5	4266.1	4325.2	4334.3	4338.8	4288.8	4207.1	4148.0	4116.2	4084.4
20°	4279.7	4288.8	4316.1	4375.2	4411.5	4475.1	4384.2	4297.9	4170.7	4134.4	4120.7
22.5°	4343.4	4388.8	4416.0	4479.7	4575.1	4629.6	4511.5	4402.4	4270.7	4225.2	4170.7
25°	4547.8	4538.7	4584.1	4715.9	4793.1	4834.0	4738.6	4579.6	4407.0	4352.4	4361.5
27.5°	4802.2	4811.3	4852.2	4997.6	5111.2	5174.8	5061.2	4852.2	4684.1	4593.2	4584.1
30°	5133.9	5124.8	5170.2	5365.6	5570.0	5665.4	5465.5	5220.2	5056.6	4938.5	4965.8
32.5°	5483.7	5488.3	5615.5	5792.7	6124.3	6310.6	5988.0	5688.2	5442.8	5361.0	5320.2
35°	6001.6	6024.4	6124.3	6396.9	6764.9	7005.7	6651.3	6292.4	6010.7	5860.8	5879.0
37.5°	6642.2	6619.5	6787.6	7082.9	7469.1	7646.3	7346.4	6937.6	6651.3	6551.4	6615.0
40°	7323.7	7346.4	7432.8	7700.8	8132.4	8250.6	7805.3	7582.7	7332.8	7282.8	7360.1
42.5°	8005.2	7991.6	8055.2	8296.0	8609.5	8527.7	8264.2	8132.4	7955.2	7855.3	7959.8
45°	8505.0	8482.3	8600.4	8763.9	8877.5	8723.1	8604.9	8559.5	8468.6	8359.6	8455.0
47.5°	8991.1	8972.9	9086.5	9131.9	9141.0	8936.6	8959.3	9041.1	8813.9	8586.8	8695.8
50°	9404.5	9372.7	9513.6	9613.5	9590.8	9263.7	9345.5	9263.7	8909.3	8641.3	8600.4
52.5°	10095.1	10108.7	10258.7	10440.4	10385.9	10113.3	9995.2	9622.6	9168.3	8927.5	8786.7
55°	10531.3	10463.1	10722.1	11299.1	11362.7	11081.0	10558.5	10008.8	9327.3	9032.0	8995.6
56°	10122.4	10208.7	10617.6	11262.7	11589.8	11330.9	10572.2	9913.4	9163.7	8763.9	8736.7
57.5°	9082.0	9036.5	9590.8	10472.2	11362.7	11253.6	10199.6	9231.9	8359.6	7909.8	7855.3
60°	5651.8	5783.6	6269.7	7360.1	8550.4	8604.9	7560.0	6728.6	5710.9	5311.1	5406.5
62.5°	2212.6	2099.0	2403.4	3216.6	4034.4	4216.1	3820.9	3175.7	2607.8	2212.6	2185.3
65°	513.4	499.8	563.4	776.9	1085.8	1258.5	1194.9	858.7	631.5	599.7	554.3
67.5°	290.8	290.8	277.1	277.1	304.4	322.6	308.9	304.4	318.0	331.7	327.1
70°	204.4	199.9	190.8	195.4	186.3	186.3	199.9	222.6	240.8	240.8	245.3
72.5°	122.7	122.7	122.7	136.3	136.3	136.3	149.9	168.1	172.6	168.1	163.6
75°	54.5	54.5	63.6	77.2	86.3	90.9	104.5	113.6	122.7	113.6	104.5
77.5°	13.6	13.6	22.7	31.8	40.9	50.0	68.1	81.8	86.3	81.8	68.1
80°	4.5	4.5	9.1	22.7	40.9	50.0	68.1	72.7	77.2	68.1	54.5
82.5°	4.5	4.5	9.1	22.7	31.8	40.9	54.5	63.6	68.1	59.1	54.5
85°	0.0	4.5	9.1	18.2	27.3	36.3	36.3	27.3	22.7	13.6	18.2
87.5°	0.0	0.0	4.5	4.5	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)