

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: P533551

Luminaire Tested: **GALN-SA9A-730-U-5MQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P533551
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-SA9A-730-U-5MQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(9) 70 CRI, 3000K, 615mA 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: 22659 lumens
Efficiency: N/A
Efficacy: 82.7 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

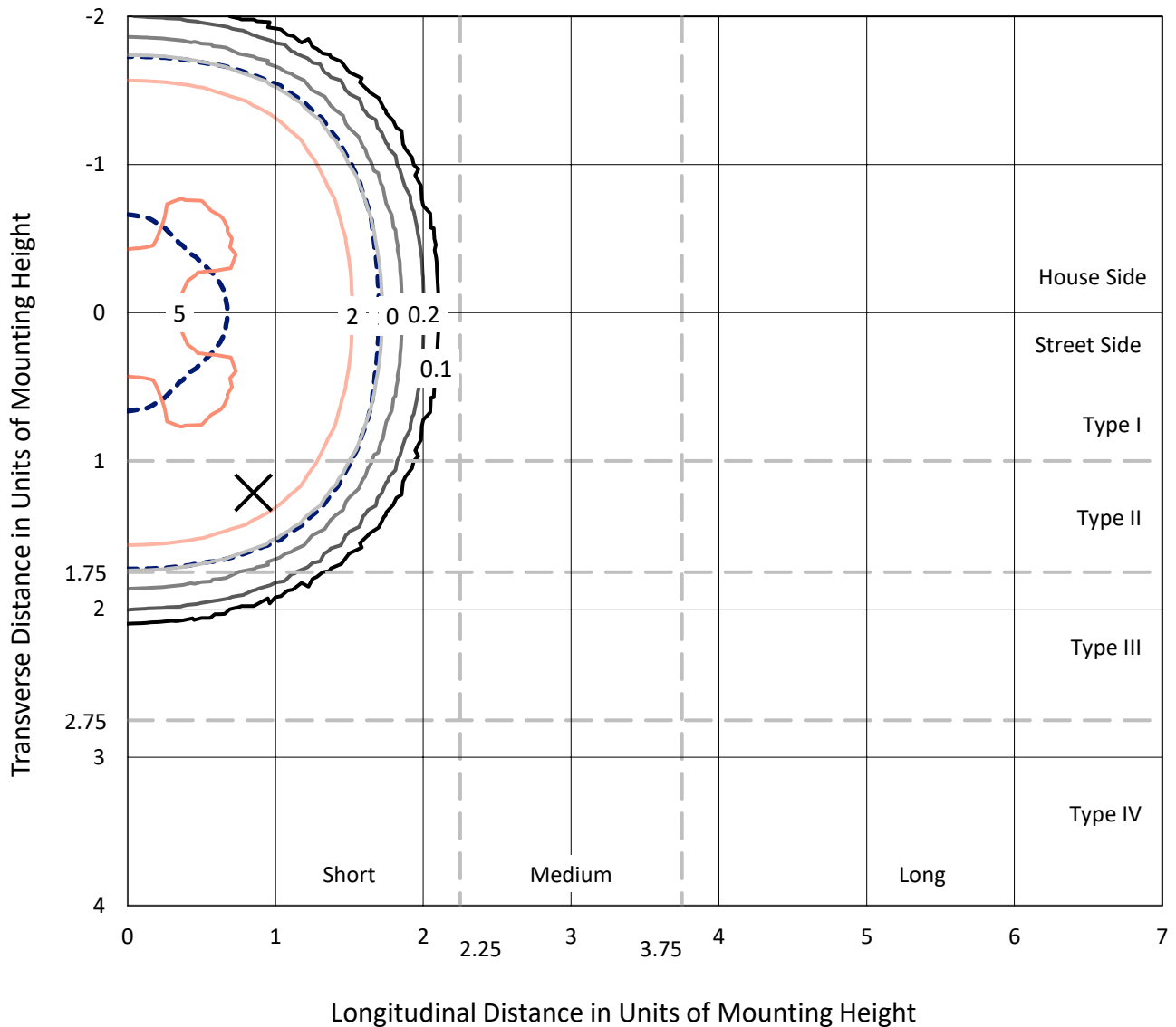
Input Watts (W): 274
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P533551
 CATALOG NUMBER: GALN-SA9A-730-U-5MQ-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

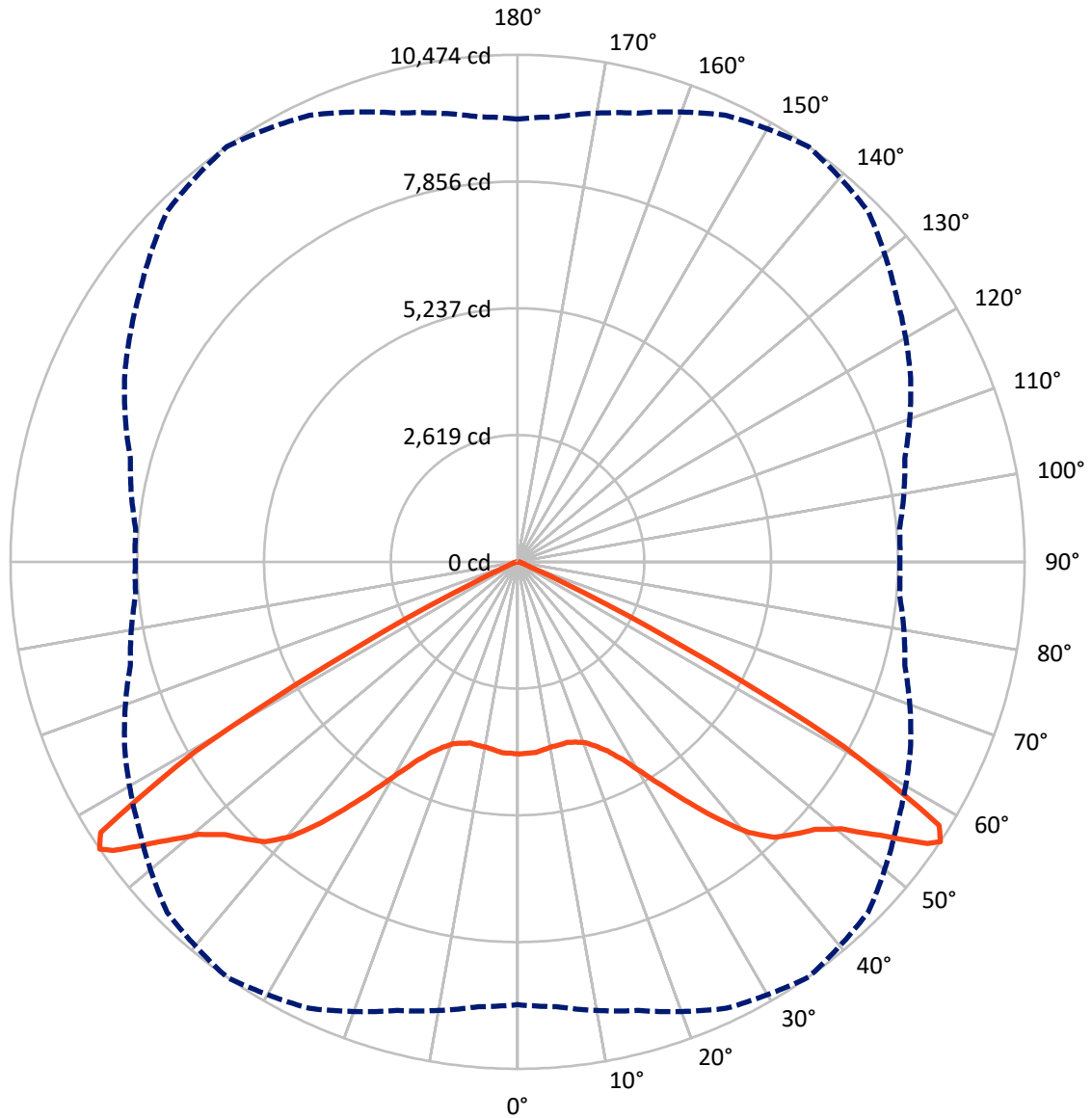
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.4 fc
 Type V - Short - N/A

REPORT NUMBER: P533551
CATALOG NUMBER: GALN-SA9A-730-U-5MQ-GRSBK

Luminous Intensity Polar Plot



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

REPORT NUMBER: P533551
 CATALOG NUMBER: GALN-SA9A-730-U-5MQ-GRSBK

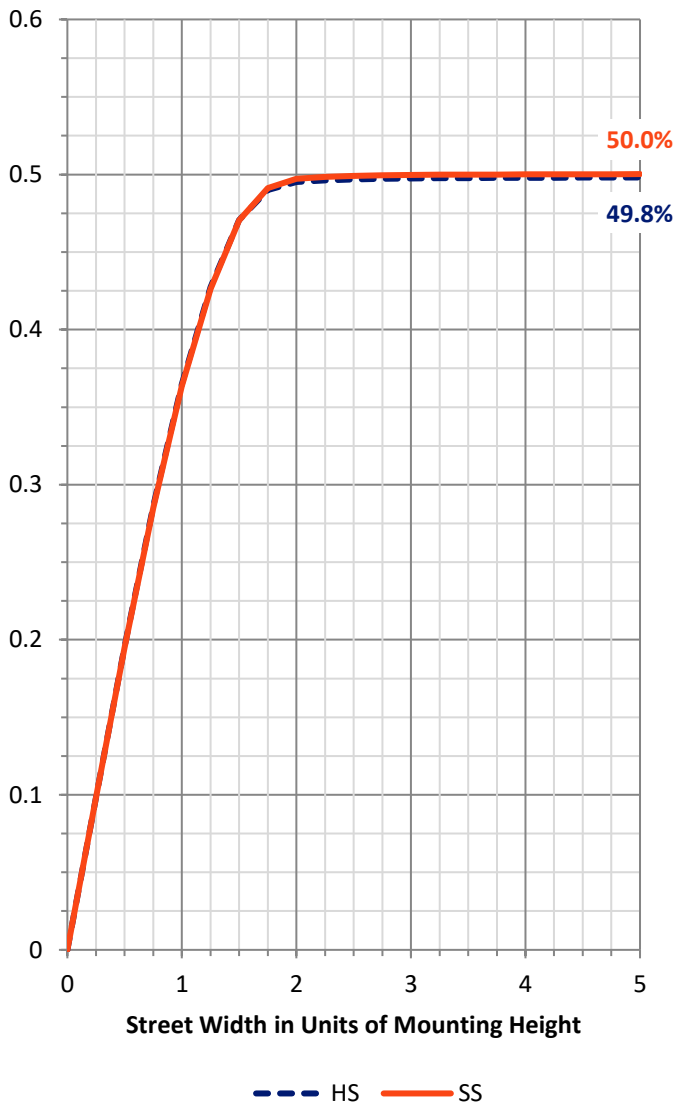
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	11329.5	0.0	11329.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	11329.5	0.0	11329.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	22659.0	0.0	22659.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	373.2	1.6
10°-20°	1089.4	4.8
20°-30°	1972.8	8.7
30°-40°	3658.3	16.1
40°-50°	6004.8	26.5
50°-60°	7735.9	34.1
60°-70°	1704.9	7.5
70°-80°	98.9	0.4
80°-90°	20.8	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°	22659.0	100.0
0°-180°	22659.0	100.0

Coefficient of Utilization



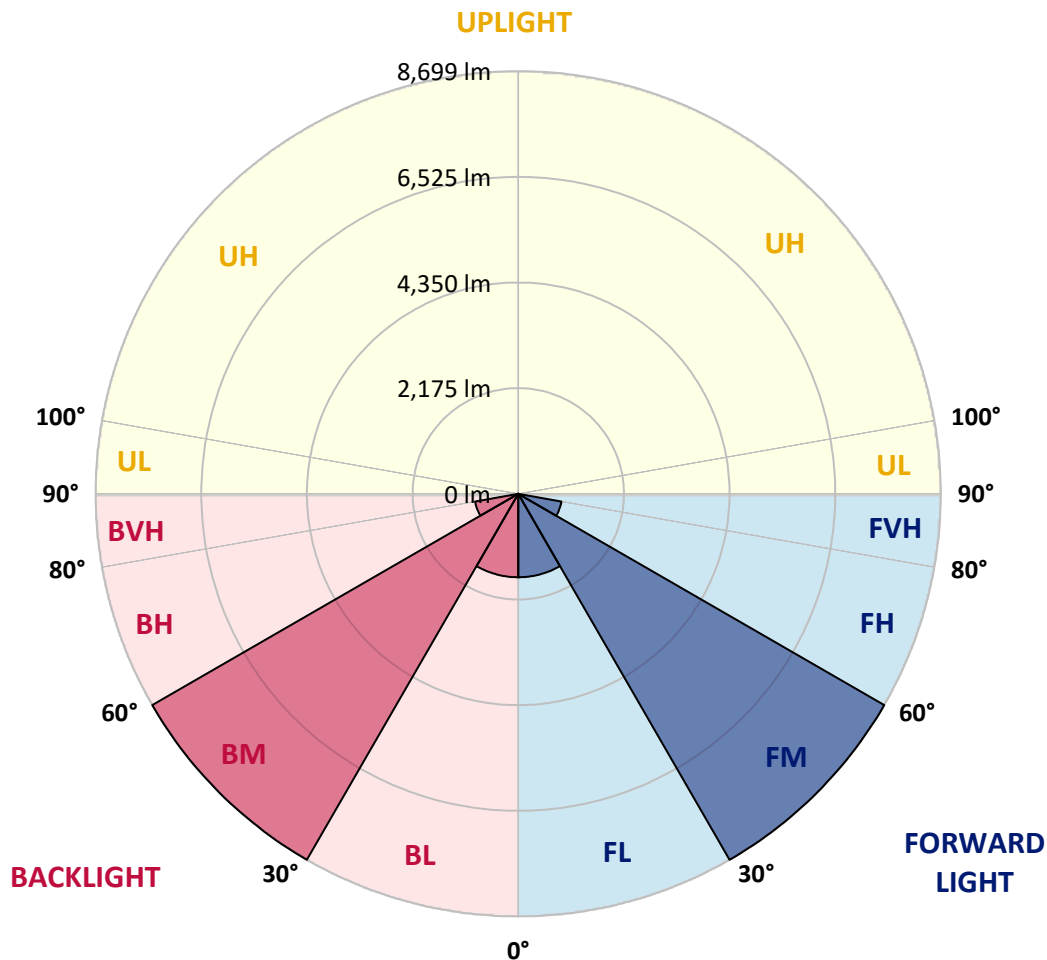
REPORT NUMBER: P533551
 CATALOG NUMBER: GALN-SA9A-730-U-5MQ-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1717.7	7.6			
FM (30°-60°)	8699.5	38.4			
FH (60°-80°)	901.9	4.0			G1/1800
FVH (80°-90°)	10.4	0.0			G1/100
BL (0°-30°)	1717.7	7.6	B3/2500		
BM (30°-60°)	8699.5	38.4	B5		
BH (60°-80°)	901.9	4.0	B2/1000		G1/1800
BVH (80°-90°)	10.4	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





REPORT NUMBER: P533551

CATALOG NUMBER: GALN-SA9A-730-U-5MQ-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3970.3	3970.3	3970.3	3970.3	3970.3	3970.3	3970.3	3970.3	3970.3	3970.3	3970.3
2.5°	3978.6	3978.6	3982.7	3986.8	3958.0	3945.7	3949.8	3941.6	3937.5	3949.8	3949.8
5°	3966.2	3966.2	3953.9	3958.0	3958.0	3921.1	3921.1	3929.3	3929.3	3904.7	3896.4
7.5°	3933.4	3925.2	3908.8	3929.3	3917.0	3917.0	3888.2	3867.7	3859.5	3875.9	3859.5
10°	3863.6	3867.7	3884.1	3892.3	3884.1	3908.8	3859.5	3830.7	3802.0	3789.7	3789.7
12.5°	3830.7	3855.4	3830.7	3851.3	3880.0	3859.5	3830.7	3810.2	3769.2	3752.7	3752.7
15°	3826.6	3843.1	3851.3	3880.0	3867.7	3875.9	3818.4	3793.8	3732.2	3703.5	3691.1
17.5°	3822.5	3843.1	3855.4	3908.8	3917.0	3921.1	3875.9	3802.0	3748.6	3719.9	3691.1
20°	3867.7	3875.9	3900.5	3953.9	3986.8	4044.2	3962.1	3884.1	3769.2	3736.3	3724.0
22.5°	3925.2	3966.2	3990.9	4048.4	4134.6	4183.8	4077.1	3978.6	3859.5	3818.4	3769.2
25°	4109.9	4101.7	4142.8	4261.9	4331.7	4368.6	4282.4	4138.7	3982.7	3933.4	3941.6
27.5°	4339.9	4348.1	4385.0	4516.4	4619.1	4676.5	4573.9	4385.0	4233.1	4151.0	4142.8
30°	4639.6	4631.4	4672.4	4849.0	5033.8	5120.0	4939.3	4717.6	4569.8	4463.0	4487.7
32.5°	4955.7	4959.9	5074.8	5234.9	5534.7	5703.0	5411.5	5140.5	4918.8	4844.9	4807.9
35°	5423.8	5444.3	5534.7	5781.0	6113.6	6331.2	6010.9	5686.6	5432.0	5296.5	5313.0
37.5°	6002.7	5982.2	6134.1	6401.0	6750.0	6910.1	6639.1	6269.6	6010.9	5920.6	5978.1
40°	6618.6	6639.1	6717.1	6959.4	7349.4	7456.2	7053.8	6852.6	6626.8	6581.7	6651.5
42.5°	7234.5	7222.2	7279.6	7497.3	7780.6	7706.7	7468.5	7349.4	7189.3	7099.0	7193.4
45°	7686.1	7665.6	7772.3	7920.2	8022.8	7883.2	7776.5	7735.4	7653.3	7554.7	7641.0
47.5°	8125.5	8109.0	8211.7	8252.7	8260.9	8076.2	8096.7	8170.6	7965.3	7760.0	7858.6
50°	8499.1	8470.3	8597.6	8688.0	8667.4	8371.8	8445.7	8371.8	8051.5	7809.3	7772.3
52.5°	9123.2	9135.5	9271.0	9435.2	9385.9	9139.6	9032.8	8696.2	8285.6	8068.0	7940.7
55°	9517.3	9455.7	9689.8	10211.2	10268.7	10014.1	9542.0	9045.2	8429.3	8162.4	8129.6
56°	9147.8	9225.8	9595.3	10178.4	10474.0	10240.0	9554.3	8958.9	8281.5	7920.2	7895.5
57.5°	8207.6	8166.5	8667.4	9464.0	10268.7	10170.2	9217.6	8343.1	7554.7	7148.3	7099.0
60°	5107.7	5226.7	5666.1	6651.5	7727.2	7776.5	6832.1	6080.7	5161.0	4799.7	4885.9
62.5°	1999.5	1896.9	2172.0	2906.9	3646.0	3810.2	3453.0	2870.0	2356.8	1999.5	1974.9
65°	464.0	451.6	509.1	702.1	981.3	1137.3	1079.8	776.0	570.7	542.0	500.9
67.5°	262.8	262.8	250.5	250.5	275.1	291.5	279.2	275.1	287.4	299.7	295.6
70°	184.8	180.7	172.4	176.6	168.3	168.3	180.7	201.2	217.6	217.6	221.7
72.5°	110.9	110.9	110.9	123.2	123.2	123.2	135.5	151.9	156.0	151.9	147.8
75°	49.3	49.3	57.5	69.8	78.0	82.1	94.4	102.6	110.9	102.6	94.4
77.5°	12.3	12.3	20.5	28.7	37.0	45.2	61.6	73.9	78.0	73.9	61.6
80°	4.1	4.1	8.2	20.5	37.0	45.2	61.6	65.7	69.8	61.6	49.3
82.5°	4.1	4.1	8.2	20.5	28.7	37.0	49.3	57.5	61.6	53.4	49.3
85°	0.0	4.1	8.2	16.4	24.6	32.8	32.8	24.6	20.5	12.3	16.4
87.5°	0.0	0.0	4.1	4.1	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)