

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: P532849

Luminaire Tested: **GALN-SA8B-730-U-5MQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P532849
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-SA8B-730-U-5MQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 70 CRI, 3000K, 800mA 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: 25114 lumens
Efficiency: N/A
Efficacy: 77.3 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

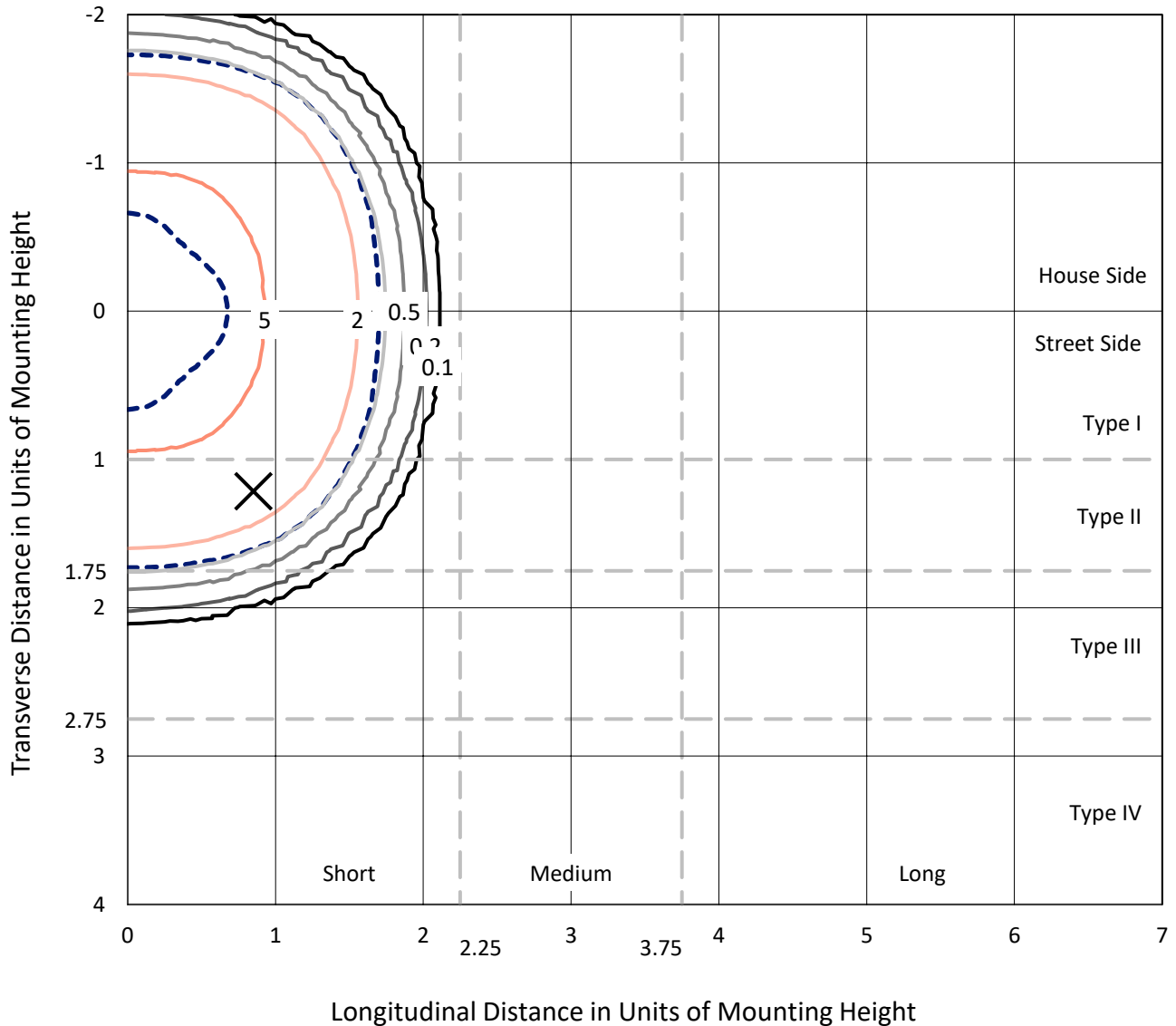
Input Watts (W): 325
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P532849
 CATALOG NUMBER: GALN-SA8B-730-U-5MQ-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

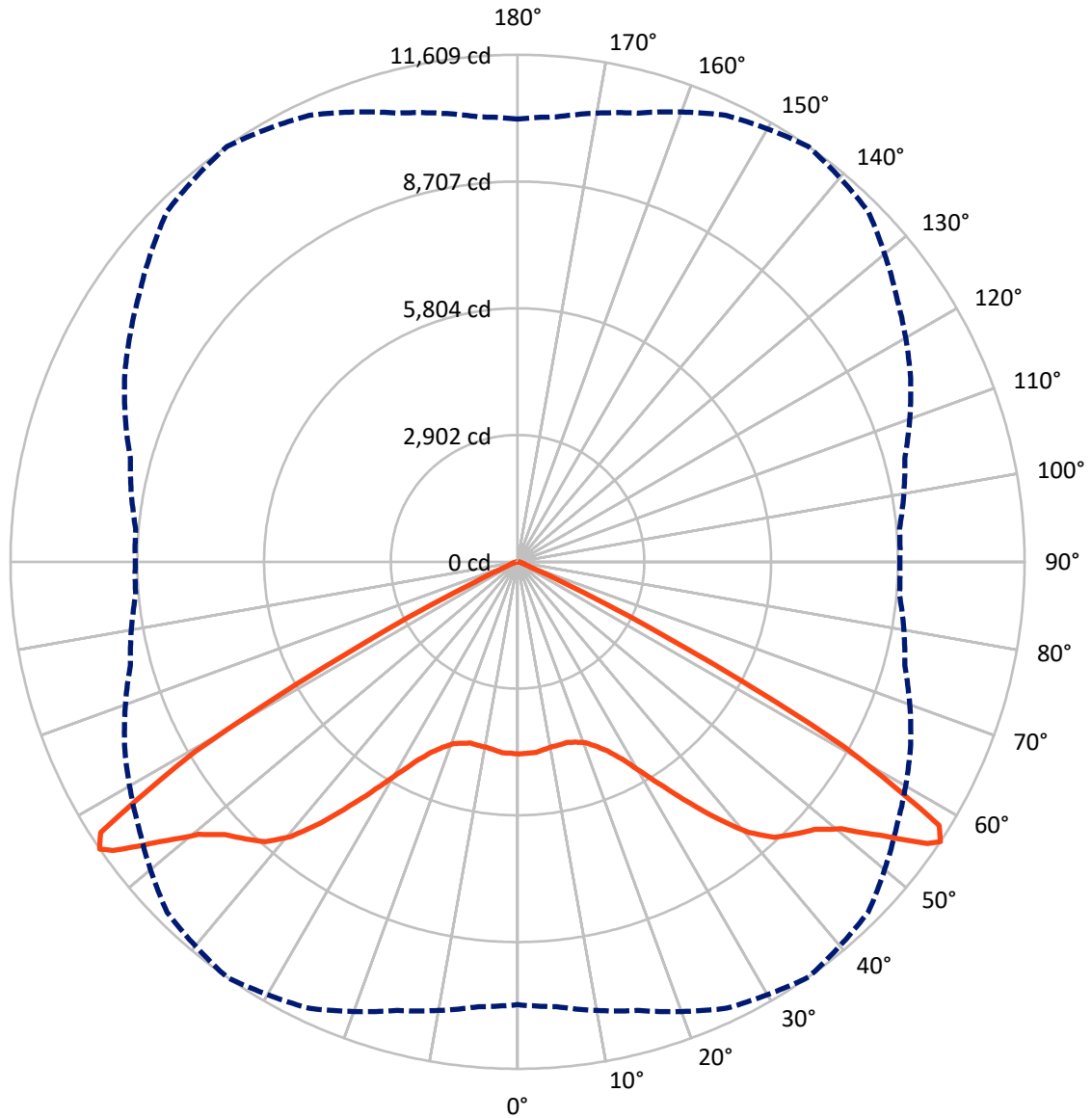
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7 fc
 Type V - Short - N/A

REPORT NUMBER: P532849
CATALOG NUMBER: GALN-SA8B-730-U-5MQ-GRSBK

Luminous Intensity Polar Plot



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

REPORT NUMBER: P532849
 CATALOG NUMBER: GALN-SA8B-730-U-5MQ-GRSBK

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	12557.0	0.0	12557.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	12557.0	0.0	12557.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	25114.0	0.0	25114.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	413.6	1.6
10°-20°	1207.5	4.8
20°-30°	2186.5	8.7
30°-40°	4054.6	16.1
40°-50°	6655.4	26.5
50°-60°	8574.1	34.1
60°-70°	1889.6	7.5
70°-80°	109.7	0.4
80°-90°	23.1	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°	25114.0	100.0
0°-180°	25114.0	100.0

Coefficient of Utilization



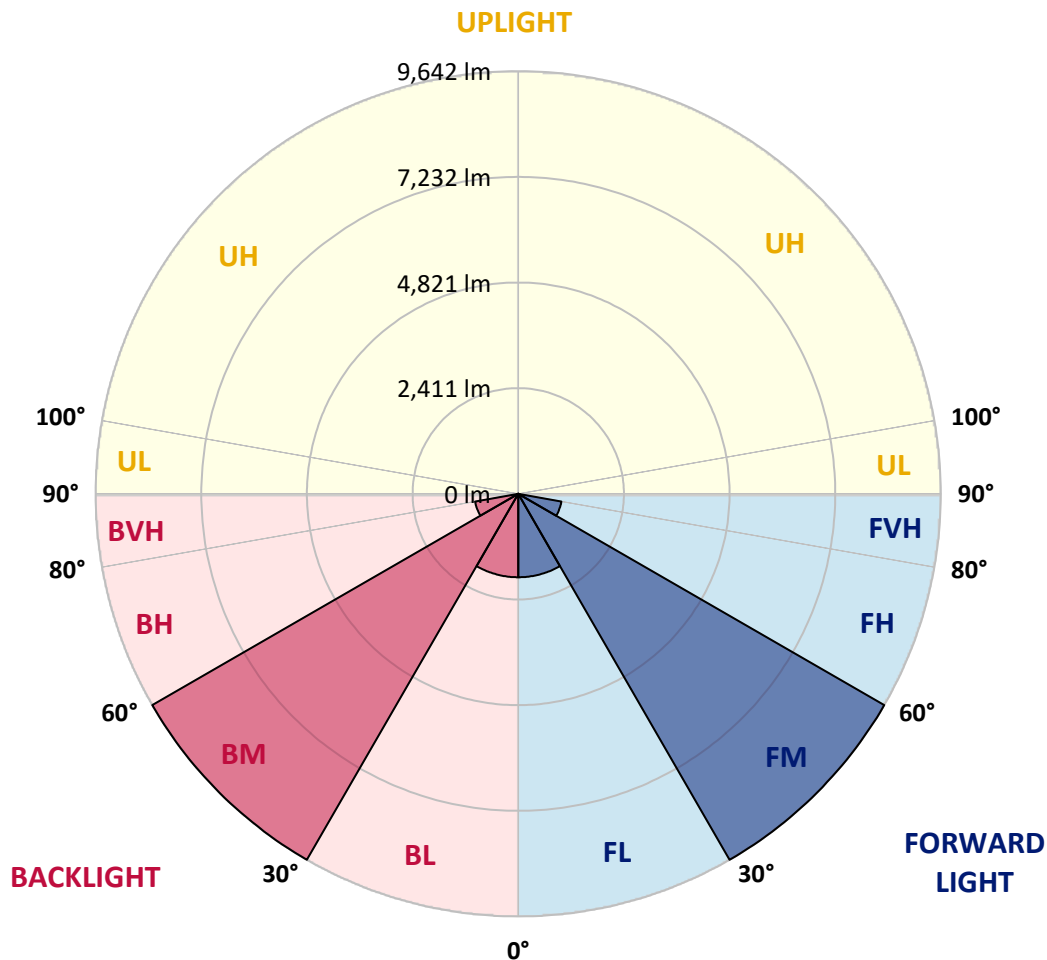
REPORT NUMBER: P532849
 CATALOG NUMBER: GALN-SA8B-730-U-5MQ-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1903.8	7.6			
FM (30°-60°)	9642.0	38.4			
FH (60°-80°)	999.6	4.0			G1/1800
FVH (80°-90°)	11.5	0.0			G1/100
BL (0°-30°)	1903.8	7.6	B3/2500		
BM (30°-60°)	9642.0	38.4	B5		
BH (60°-80°)	999.6	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





REPORT NUMBER: P532849

CATALOG NUMBER: GALN-SA8B-730-U-5MQ-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4400.5	4400.5	4400.5	4400.5	4400.5	4400.5	4400.5	4400.5	4400.5	4400.5	4400.5
2.5°	4409.6	4409.6	4414.2	4418.7	4386.9	4373.2	4377.8	4368.7	4364.1	4377.8	4377.8
5°	4396.0	4396.0	4382.3	4386.9	4386.9	4345.9	4345.9	4355.0	4355.0	4327.7	4318.6
7.5°	4359.6	4350.5	4332.3	4355.0	4341.4	4341.4	4309.5	4286.7	4277.6	4295.8	4277.6
10°	4282.2	4286.7	4304.9	4314.0	4304.9	4332.3	4277.6	4245.8	4213.9	4200.3	4200.3
12.5°	4245.8	4273.1	4245.8	4268.5	4300.4	4277.6	4245.8	4223.0	4177.5	4159.3	4159.3
15°	4241.2	4259.4	4268.5	4300.4	4286.7	4295.8	4232.1	4204.8	4136.6	4104.7	4091.1
17.5°	4236.7	4259.4	4273.1	4332.3	4341.4	4345.9	4295.8	4213.9	4154.8	4122.9	4091.1
20°	4286.7	4295.8	4323.2	4382.3	4418.7	4482.4	4391.4	4304.9	4177.5	4141.1	4127.5
22.5°	4350.5	4396.0	4423.3	4487.0	4582.5	4637.1	4518.8	4409.6	4277.6	4232.1	4177.5
25°	4555.2	4546.1	4591.6	4723.6	4801.0	4841.9	4746.4	4587.1	4414.2	4359.6	4368.7
27.5°	4810.1	4819.2	4860.1	5005.8	5119.5	5183.2	5069.5	4860.1	4691.8	4600.7	4591.6
30°	5142.3	5133.2	5178.7	5374.4	5579.1	5674.7	5474.5	5228.7	5064.9	4946.6	4973.9
32.5°	5492.7	5497.2	5624.6	5802.1	6134.3	6320.9	5997.8	5697.5	5451.7	5369.8	5328.9
35°	6011.5	6034.2	6134.3	6407.4	6776.0	7017.2	6662.2	6302.7	6020.6	5870.4	5888.6
37.5°	6653.1	6630.3	6798.7	7094.5	7481.3	7658.8	7358.5	6948.9	6662.2	6562.1	6625.8
40°	7335.7	7358.5	7444.9	7713.4	8145.7	8264.0	7818.1	7595.1	7344.8	7294.7	7372.1
42.5°	8018.3	8004.7	8068.4	8309.6	8623.5	8541.6	8277.7	8145.7	7968.3	7868.1	7972.8
45°	8518.9	8496.1	8614.4	8778.3	8892.0	8737.3	8619.0	8573.5	8482.5	8373.3	8468.8
47.5°	9005.8	8987.6	9101.4	9146.9	9156.0	8951.2	8974.0	9055.9	8828.3	8600.8	8710.0
50°	9419.9	9388.1	9529.1	9629.3	9606.5	9278.8	9360.8	9278.8	8923.9	8655.4	8614.4
52.5°	10111.6	10125.3	10275.4	10457.5	10402.9	10129.8	10011.5	9638.4	9183.3	8942.1	8801.0
55°	10548.5	10480.2	10739.6	11317.6	11381.3	11099.1	10575.8	10025.2	9342.6	9046.8	9010.4
56°	10138.9	10225.4	10635.0	11281.1	11608.8	11349.4	10589.4	9929.6	9178.7	8778.3	8751.0
57.5°	9096.8	9051.3	9606.5	10489.3	11381.3	11272.0	10216.3	9247.0	8373.3	7922.7	7868.1
60°	5661.1	5793.0	6279.9	7372.1	8564.4	8619.0	7572.3	6739.6	5720.2	5319.8	5415.3
62.5°	2216.2	2102.4	2407.3	3221.9	4041.0	4223.0	3827.1	3180.9	2612.1	2216.2	2188.9
65°	514.2	500.6	564.3	778.2	1087.6	1260.5	1196.8	860.1	632.5	600.7	555.2
67.5°	291.2	291.2	277.6	277.6	304.9	323.1	309.4	304.9	318.5	332.2	327.6
70°	204.8	200.2	191.1	195.7	186.6	186.6	200.2	223.0	241.2	241.2	245.7
72.5°	122.9	122.9	122.9	136.5	136.5	136.5	150.2	168.4	172.9	168.4	163.8
75°	54.6	54.6	63.7	77.4	86.5	91.0	104.7	113.8	122.9	113.8	104.7
77.5°	13.7	13.7	22.8	31.9	41.0	50.1	68.3	81.9	86.5	81.9	68.3
80°	4.6	4.6	9.1	22.8	41.0	50.1	68.3	72.8	77.4	68.3	54.6
82.5°	4.6	4.6	9.1	22.8	31.9	41.0	54.6	63.7	68.3	59.2	54.6
85°	0.0	4.6	9.1	18.2	27.3	36.4	36.4	27.3	22.8	13.7	18.2
87.5°	0.0	0.0	4.6	4.6	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)