

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: P532851

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

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P532851
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-5)
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-5NQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 70 CRI, 3000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 28747 lumens
Efficiency: N/A
Efficacy: 88.5 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

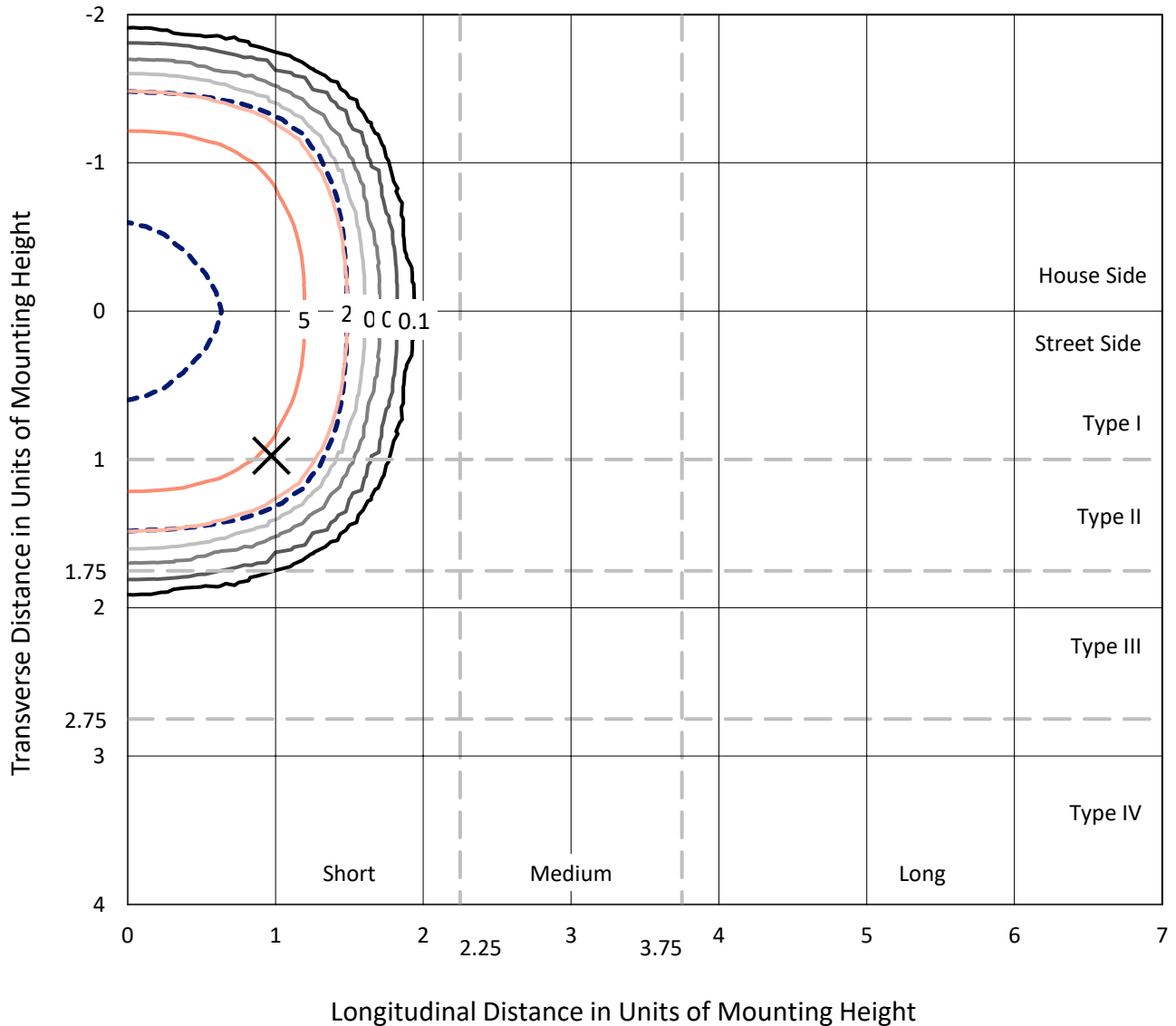
Input Watts (W): 325
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P532851
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Iso-Footcandle Lines of Horizontal Illumination

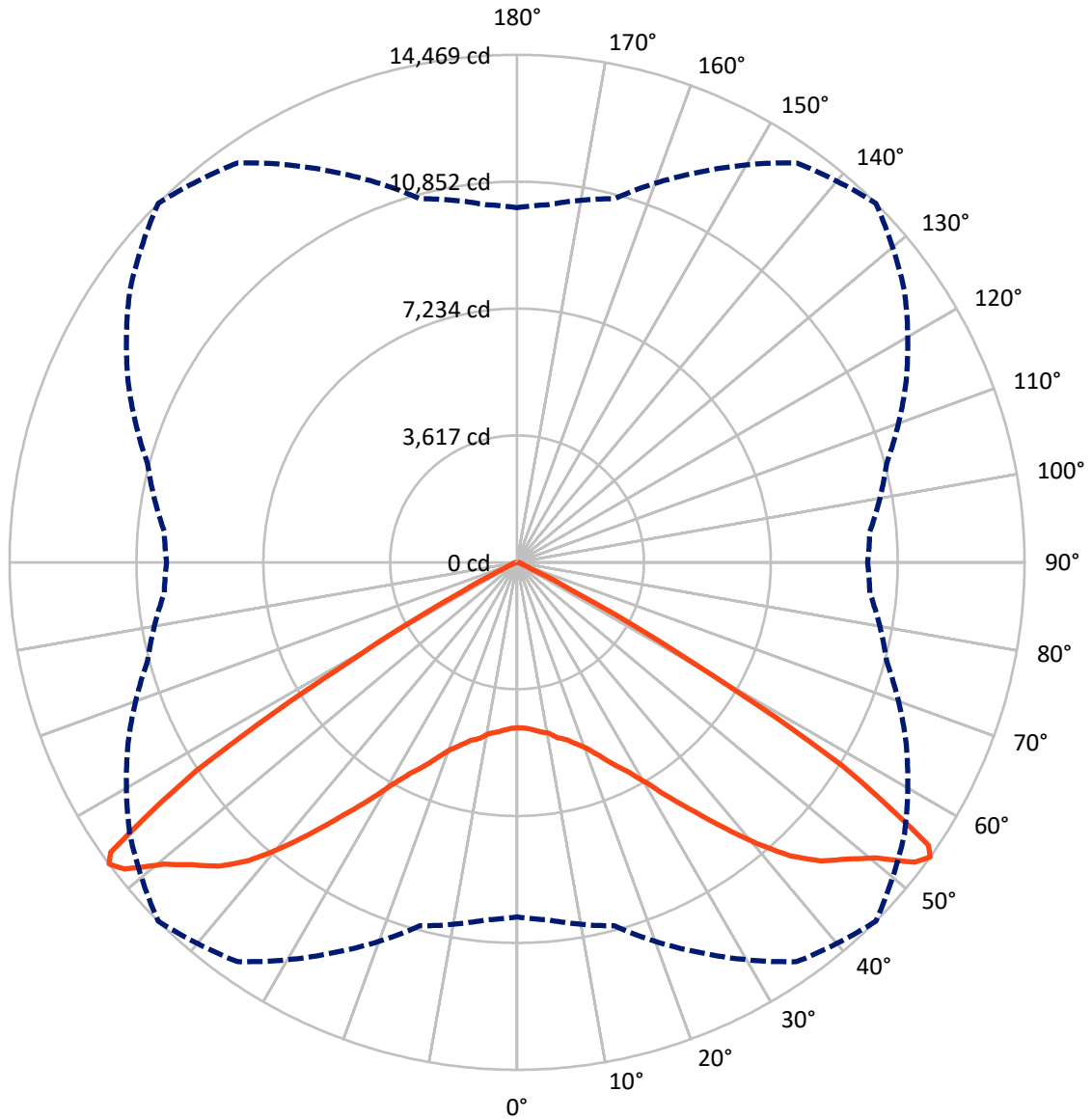
✕ Max cd
 - - - 1/2 Max cd



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

REPORT NUMBER: P532851
CATALOG NUMBER: GALN-SA8B-730-U-5NQ-GRSBK

Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 54-Deg Vertical

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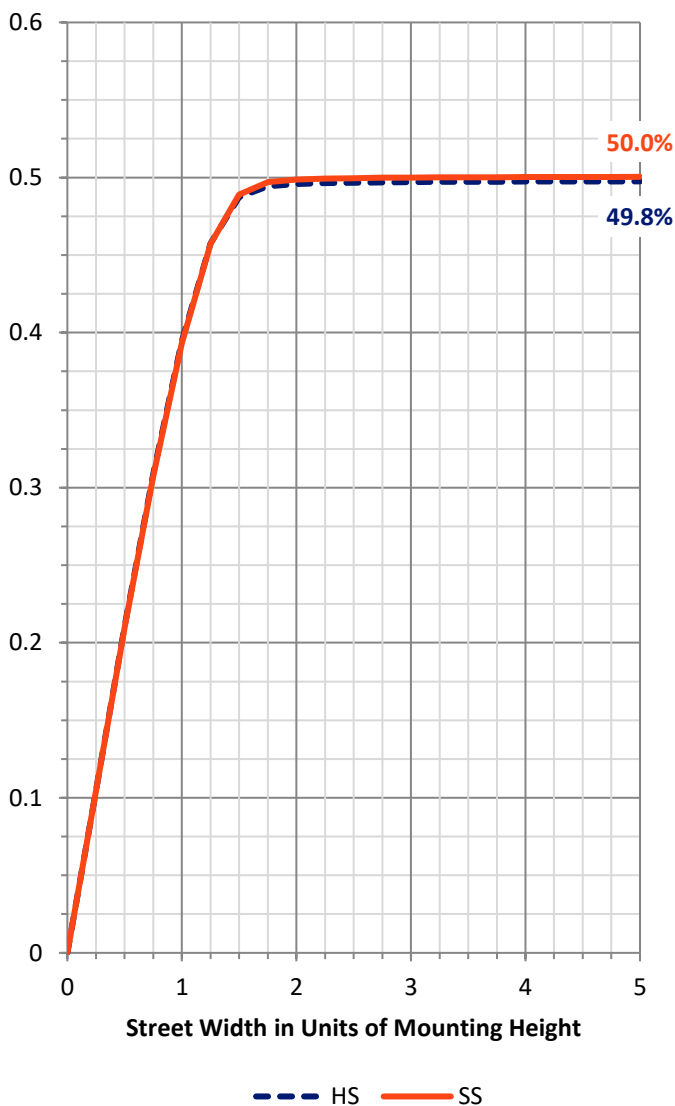
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	14373.5	0.0	14373.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	14373.5	0.0	14373.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	28747.0	0.0	28747.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	461.3	1.6
10°-20°	1494.0	5.2
20°-30°	2928.2	10.2
30°-40°	5265.5	18.3
40°-50°	9013.6	31.4
50°-60°	8721.5	30.3
60°-70°	746.6	2.6
70°-80°	88.5	0.3
80°-90°	27.8	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°	28747.0	100.0
0°-180°	28747.0	100.0

Coefficient of Utilization

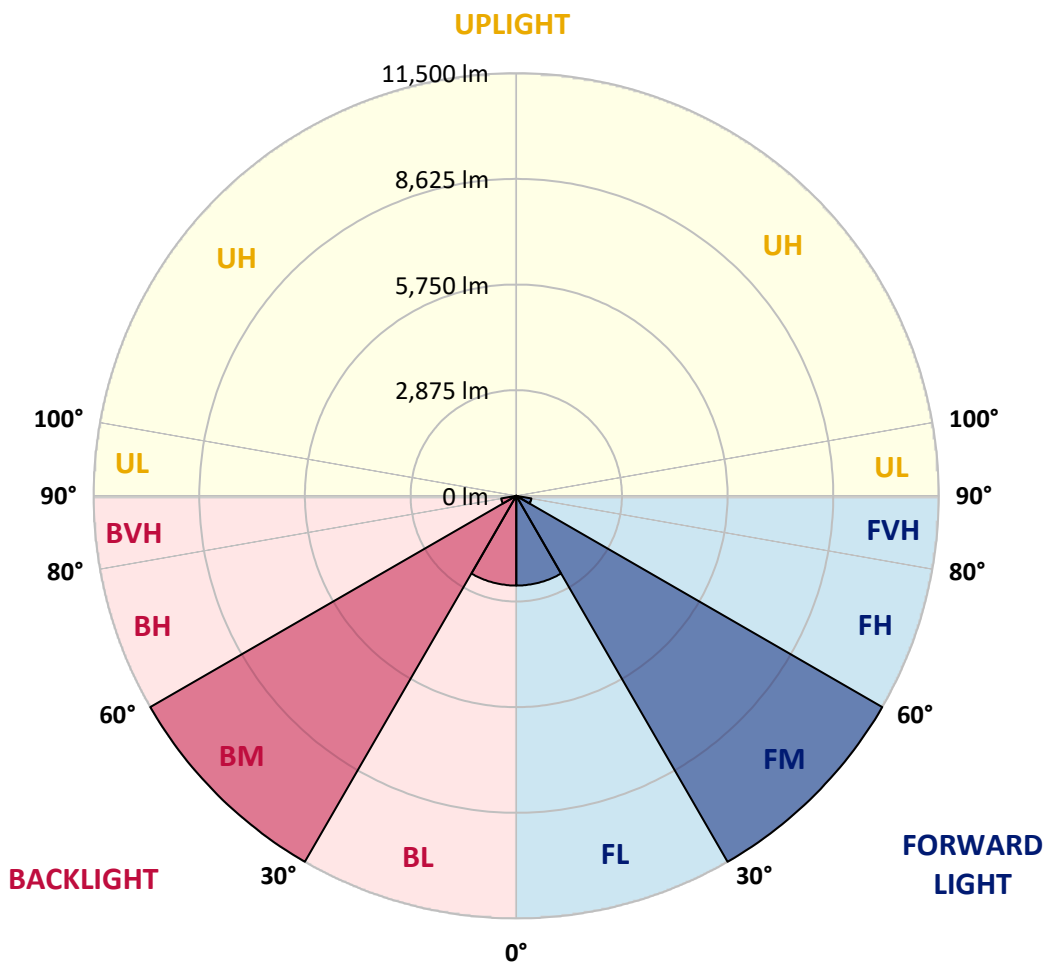


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2441.8	8.5			
FM (30°-60°)	11500.3	40.0			
FH (60°-80°)	417.5	1.5			G0/660
FVH (80°-90°)	13.9	0.0			G1/100
BL (0°-30°)	2441.8	8.5	B3/2500		
BM (30°-60°)	11500.3	40.0	B5		
BH (60°-80°)	417.5	1.5	B1/500		G0/660
BVH (80°-90°)	13.9	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°	4713.6	4713.6	4713.6	4713.6	4713.6	4713.6	4713.6	4713.6	4713.6	4713.6	4713.6
2.5°	4736.4	4763.7	4745.5	4759.2	4759.2	4736.4	4750.0	4695.4	4731.8	4704.5	4709.1
5°	4809.3	4804.7	4804.7	4809.3	4791.0	4800.1	4781.9	4763.7	4750.0	4731.8	4786.5
7.5°	4900.3	4900.3	4868.5	4877.6	4868.5	4882.1	4845.7	4809.3	4795.6	4781.9	4772.8
10°	4986.9	4977.8	4964.1	5005.1	4973.2	4955.0	4936.8	4914.0	4863.9	4845.7	4827.5
12.5°	5114.4	5109.8	5091.6	5132.6	5114.4	5132.6	5064.3	5005.1	4996.0	4936.8	4968.6
15°	5264.7	5305.7	5273.8	5273.8	5264.7	5241.9	5214.6	5187.3	5105.3	5082.5	5087.1
17.5°	5460.5	5446.8	5451.4	5451.4	5496.9	5437.7	5383.1	5314.8	5273.8	5260.1	5214.6
20°	5647.2	5665.4	5660.9	5692.8	5720.1	5656.3	5597.1	5588.0	5474.2	5492.4	5428.6
22.5°	5975.1	5961.5	5984.2	6007.0	5988.8	5979.7	5925.0	5856.7	5756.5	5711.0	5701.9
25°	6321.3	6298.5	6257.5	6312.1	6339.5	6380.5	6275.7	6239.3	6084.4	6016.1	6020.7
27.5°	6617.3	6649.2	6694.7	6717.5	6785.8	6772.1	6699.3	6580.8	6462.4	6385.0	6334.9
30°	7022.6	7040.8	7118.2	7150.1	7268.5	7300.4	7186.6	7049.9	6840.4	6740.2	6681.0
32.5°	7396.0	7523.6	7519.0	7678.4	7869.7	8001.8	7796.8	7587.3	7377.8	7259.4	7154.7
35°	8001.8	7979.0	8111.1	8279.6	8589.2	8739.5	8516.4	8275.0	7956.2	7764.9	7683.0
37.5°	8566.5	8575.6	8753.2	9021.9	9377.1	9609.4	9413.6	9017.3	8689.4	8443.5	8329.7
40°	9386.2	9404.5	9586.6	9891.8	10292.5	10543.0	10315.3	9914.5	9477.3	9286.0	9286.0
42.5°	10347.2	10424.6	10543.0	10807.2	11166.9	11444.7	11239.8	10925.6	10483.8	10237.9	10274.3
45°	11335.4	11371.9	11449.3	11841.0	12009.5	12146.1	11954.8	11809.1	11513.1	11212.5	11162.4
47.5°	12259.9	12273.6	12501.3	12624.3	12756.4	12642.5	12765.5	12574.2	12241.7	11950.3	11891.1
50°	12669.8	12647.1	12970.4	13343.8	13444.0	13243.7	13138.9	13011.4	12505.9	12155.2	12000.4
52.5°	11476.6	11608.7	12209.9	13248.2	14031.5	14200.0	13589.8	13002.3	12059.6	11376.4	11271.7
54°	10110.4	10233.3	10729.7	12269.1	13899.5	14468.7	13485.0	12237.2	10907.3	10096.7	9991.9
55°	8757.8	8621.1	9522.9	11094.1	13280.1	14231.9	13070.6	11248.9	9727.8	8985.5	8839.7
57.5°	4740.9	4763.7	5524.3	7008.9	9331.6	10911.9	9636.7	7610.1	5747.4	4914.0	4841.1
60°	1502.9	1539.3	1871.8	2832.7	4458.6	5323.9	4563.3	3055.9	2113.2	1694.2	1625.9
62.5°	469.1	487.3	532.8	792.4	1220.5	1744.3	1366.3	819.8	610.3	560.2	569.3
65°	286.9	286.9	291.5	309.7	364.3	423.5	409.9	359.8	346.1	337.0	332.5
67.5°	186.7	182.2	191.3	204.9	214.0	218.6	232.3	245.9	241.4	232.3	232.3
70°	113.9	109.3	118.4	136.6	141.2	150.3	164.0	182.2	177.6	168.5	173.1
72.5°	63.8	63.8	68.3	82.0	95.6	104.7	118.4	132.1	136.6	132.1	132.1
75°	22.8	27.3	36.4	50.1	59.2	72.9	86.5	100.2	113.9	104.7	100.2
77.5°	9.1	9.1	18.2	31.9	45.5	59.2	82.0	95.6	104.7	95.6	86.5
80°	4.6	4.6	13.7	27.3	41.0	54.7	68.3	82.0	86.5	77.4	68.3
82.5°	4.6	4.6	13.7	27.3	41.0	50.1	72.9	82.0	91.1	82.0	68.3
85°	0.0	4.6	13.7	27.3	36.4	41.0	41.0	27.3	22.8	13.7	13.7
87.5°	0.0	0.0	4.6	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)