

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: P532852

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

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P532852  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-6)  
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-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(8) 70 CRI, 3000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS WITH WHITE GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 37691 lumens  
Efficiency: N/A  
Efficacy: 116.0 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

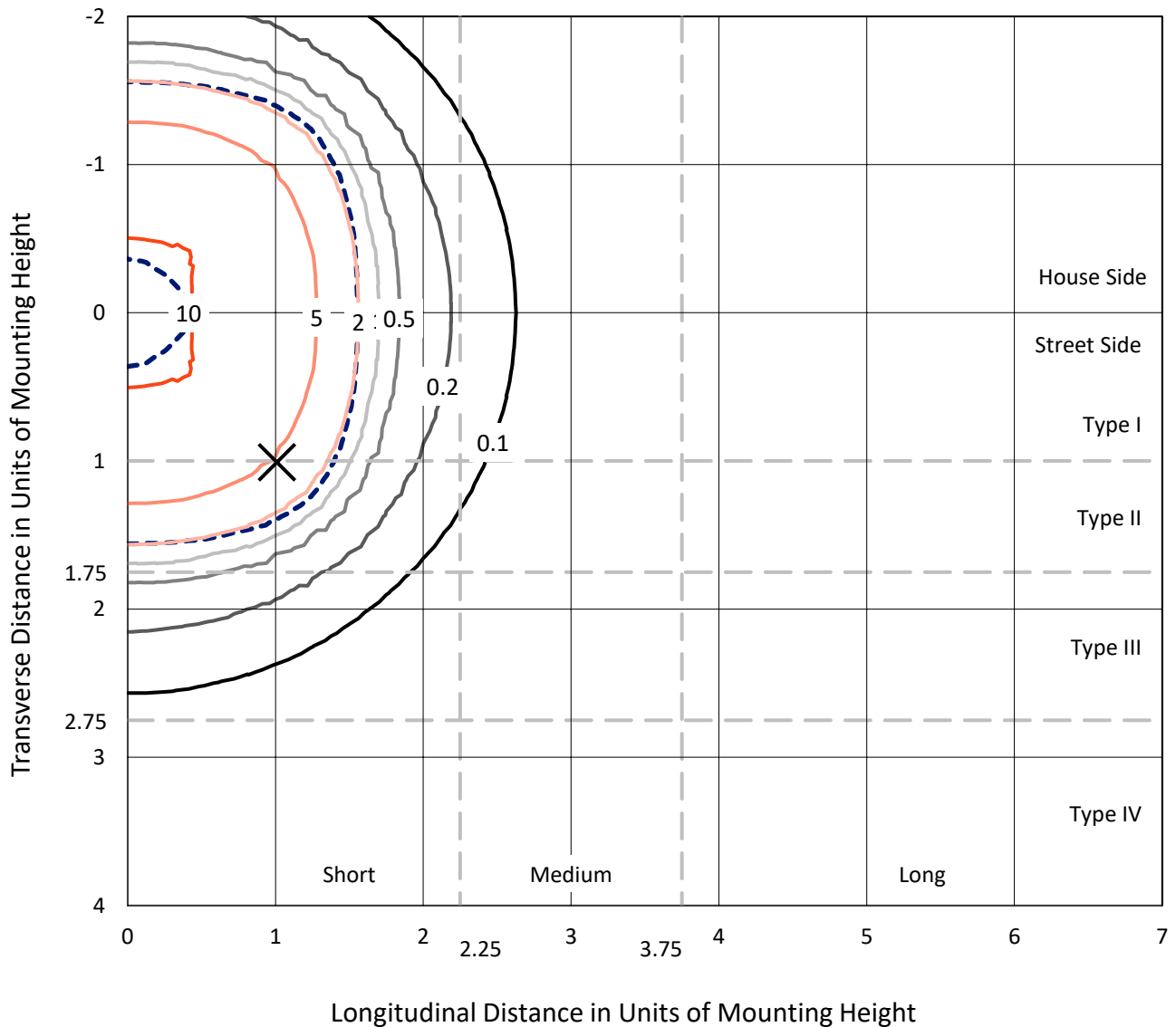
Input Watts (W): 325  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P532852  
 CATALOG NUMBER: GALN-SA8B-730-U-5NQ-GRSWH

### Iso-Footcandle Lines of Horizontal Illumination

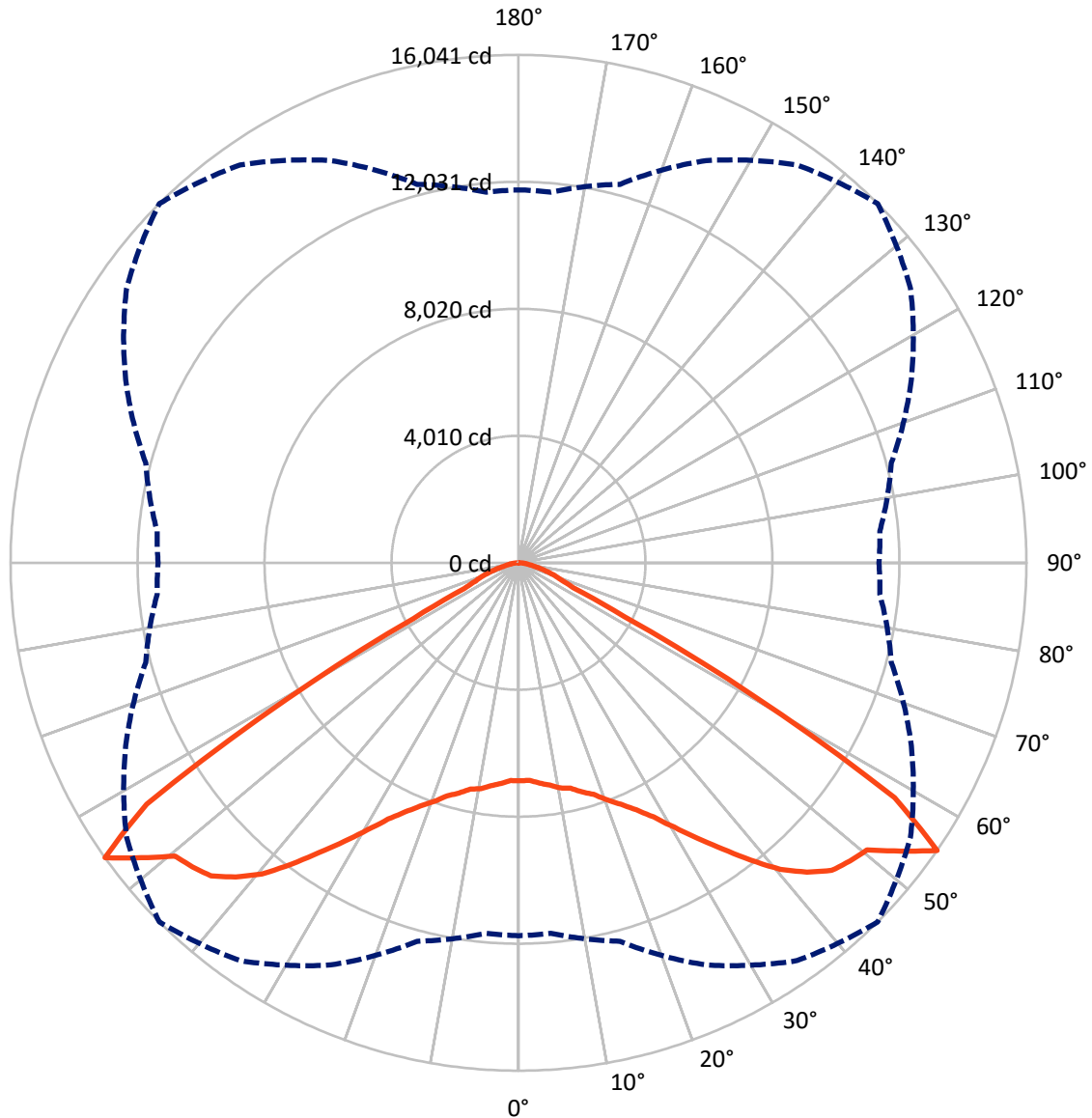
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.1 fc  
 Type V - Short - N/A

REPORT NUMBER: P532852  
CATALOG NUMBER: GALN-SA8B-730-U-5NQ-GRSWH

### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral      - - - Horizontal Cone Through 55-Deg Vertical

REPORT NUMBER: P532852  
 CATALOG NUMBER: GALN-SA8B-730-U-5NQ-GRSWH

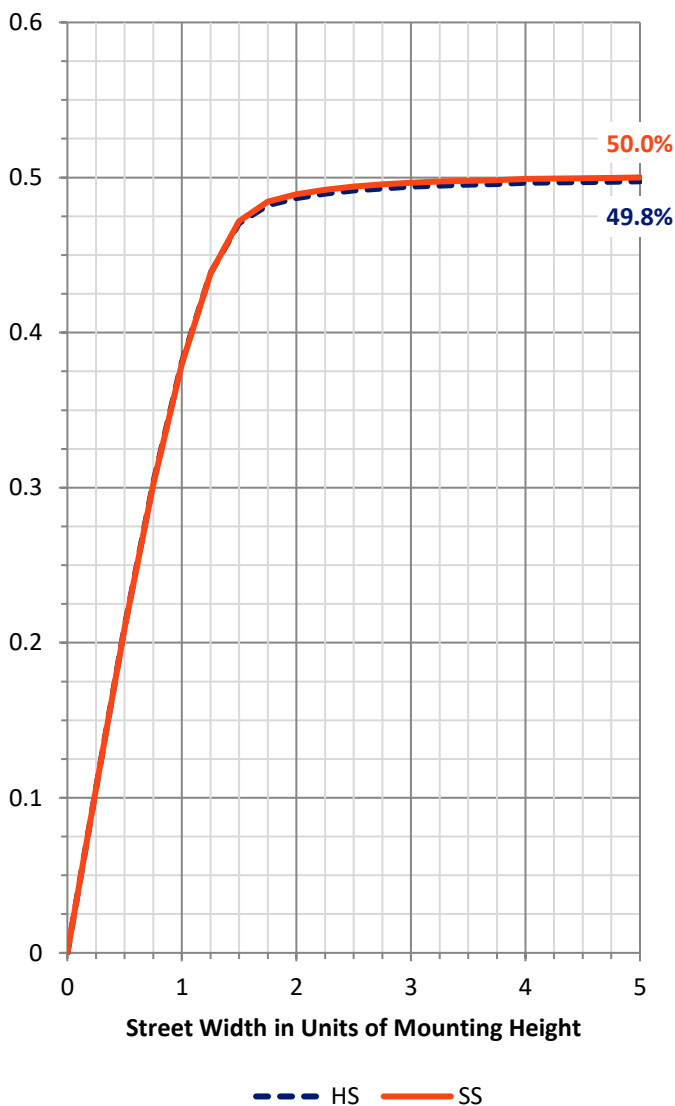
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	18845.5	0.0	18845.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	18845.5	0.0	18845.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	37691.0	0.0	37691.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	672.3	1.8
10°-20°	2130.2	5.7
20°-30°	3972.1	10.5
30°-40°	6650.5	17.6
40°-50°	10348.7	27.5
50°-60°	10745.2	28.5
60°-70°	2278.7	6.0
70°-80°	750.5	2.0
80°-90°	142.9	0.4
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°	37691.0	100.0
0°-180°	37691.0	100.0

**Coefficient of Utilization**



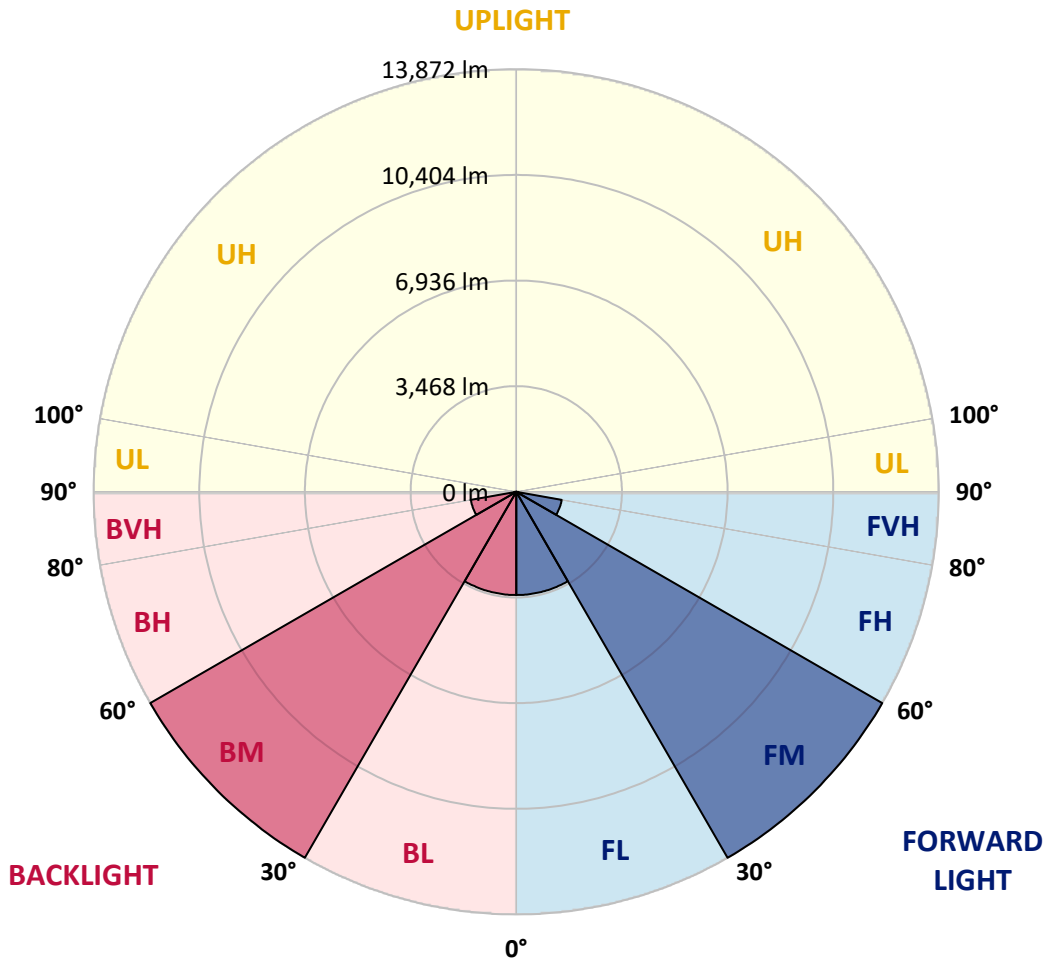
REPORT NUMBER: P532852  
 CATALOG NUMBER: GALN-SA8B-730-U-5NQ-GRSWH

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3387.2	9.0			
FM (30°-60°)	13872.2	36.8			
FH (60°-80°)	1514.6	4.0			G1/1800
FVH (80°-90°)	71.5	0.2			G1/100
BL (0°-30°)	3387.2	9.0	B4/5000		
BM (30°-60°)	13872.2	36.8	B5		
BH (60°-80°)	1514.6	4.0	B3/2500		G1/1800
BVH (80°-90°)	71.5	0.2			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: P532852

CATALOG NUMBER: GALN-SA8B-730-U-5NQ-GRSWH

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	6881.8	6881.8	6881.8	6881.8	6881.8	6881.8	6881.8	6881.8	6881.8	6881.8	6881.8
2.5°	6963.8	6931.9	6877.3	6918.3	6950.1	6881.8	6909.1	6922.8	6913.7	6877.3	6890.9
5°	7064.0	7045.8	7000.2	7032.1	6991.1	6991.1	6963.8	6927.4	6982.0	6972.9	6995.7
7.5°	7064.0	7041.2	7132.3	7073.1	7091.3	7091.3	7045.8	7009.3	7036.7	6995.7	6972.9
10°	7205.2	7237.1	7196.1	7209.7	7200.6	7232.5	7164.2	7141.4	7118.6	7105.0	7077.7
12.5°	7373.7	7350.9	7364.6	7355.5	7387.4	7305.4	7264.4	7214.3	7255.3	7196.1	7237.1
15°	7510.3	7496.7	7510.3	7546.8	7514.9	7510.3	7437.5	7387.4	7323.6	7337.3	7273.5
17.5°	7697.1	7683.4	7688.0	7719.8	7715.3	7692.5	7637.9	7542.2	7519.4	7483.0	7442.0
20°	7974.9	7952.1	7943.0	7956.7	7979.4	7997.7	7888.4	7851.9	7774.5	7715.3	7647.0
22.5°	8211.7	8202.6	8239.0	8179.8	8229.9	8284.6	8179.8	8161.6	7970.3	7938.5	7865.6
25°	8539.6	8526.0	8503.2	8589.7	8649.0	8644.4	8544.2	8444.0	8298.3	8261.8	8261.8
27.5°	8885.8	8808.4	8926.8	8949.5	9054.3	9086.2	8999.6	8853.9	8717.3	8639.8	8658.1
30°	9318.5	9245.6	9272.9	9436.9	9573.5	9691.9	9473.3	9259.3	9068.0	8931.3	8908.6
32.5°	9751.1	9678.3	9760.2	9919.7	10192.9	10370.5	10156.5	9783.0	9559.8	9359.4	9400.4
35°	10101.8	10156.5	10288.6	10530.0	10812.3	11099.3	10757.7	10470.7	10151.9	9928.8	9960.6
37.5°	10666.6	10835.1	10939.9	11217.7	11618.5	11914.5	11559.3	11185.8	10844.2	10552.7	10452.5
40°	11404.4	11518.3	11636.7	11964.6	12438.3	12734.3	12397.3	11910.0	11572.9	11272.3	11258.7
42.5°	12215.1	12324.4	12447.4	12848.2	13130.6	13353.7	13044.0	12784.4	12410.9	12174.1	12160.5
45°	13157.9	13080.5	13217.1	13481.3	13718.1	13863.8	13663.4	13535.9	13267.2	13048.6	13025.8
47.5°	13786.4	13718.1	13964.0	14200.9	14237.3	14077.9	14118.9	14237.3	13954.9	13595.1	13709.0
50°	14150.8	14150.8	14314.7	14533.3	14465.0	14260.1	14583.4	14592.5	14310.2	13991.4	13991.4
52.5°	13517.7	13658.9	14123.4	14838.5	15066.2	15125.4	15052.5	14742.8	14005.0	13353.7	13321.8
55°	11777.9	11746.0	12374.5	14014.1	15339.5	16040.9	15111.8	13686.2	12187.8	11454.5	11381.6
57.5°	7660.6	7697.1	8635.3	10306.8	12697.9	14005.0	12438.3	10434.3	8635.3	7624.2	7719.8
60°	3447.7	3570.7	4140.0	5387.9	7442.0	8507.8	7460.2	5661.2	4345.0	3771.1	3821.2
62.5°	1981.2	2004.0	2026.7	2404.8	3169.9	3748.3	3292.9	2541.4	2240.8	2140.6	2140.6
65°	1671.5	1657.8	1662.4	1694.3	1776.2	1894.7	1844.6	1776.2	1785.4	1776.2	1762.6
67.5°	1421.0	1439.2	1425.6	1448.3	1452.9	1471.1	1503.0	1530.3	1534.9	1544.0	1534.9
70°	1165.9	1170.5	1179.6	1197.8	1202.4	1216.0	1261.6	1284.4	1298.0	1298.0	1316.2
72.5°	892.7	888.1	897.2	915.4	938.2	942.8	983.8	1015.6	1033.9	1011.1	1015.6
75°	587.5	592.1	605.7	619.4	651.3	683.2	696.8	728.7	733.3	742.4	719.6
77.5°	350.7	359.8	373.5	400.8	428.1	455.4	487.3	510.1	519.2	510.1	482.8
80°	227.7	227.7	245.9	268.7	300.6	323.4	341.6	359.8	373.5	359.8	350.7
82.5°	141.2	141.2	164.0	191.3	214.1	227.7	255.1	277.8	291.5	282.4	268.7
85°	72.9	77.4	95.6	118.4	136.6	145.7	141.2	127.5	113.9	109.3	100.2
87.5°	22.8	22.8	27.3	27.3	22.8	22.8	27.3	22.8	27.3	27.3	27.3
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)