

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: P531916

Luminaire Tested: **GALN-SA7B-730-U-5NQ-GRSWH**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P531916  
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-SA7B-730-U-5NQ-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(7) 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: 32511 lumens  
Efficiency: N/A  
Efficacy: 113.7 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

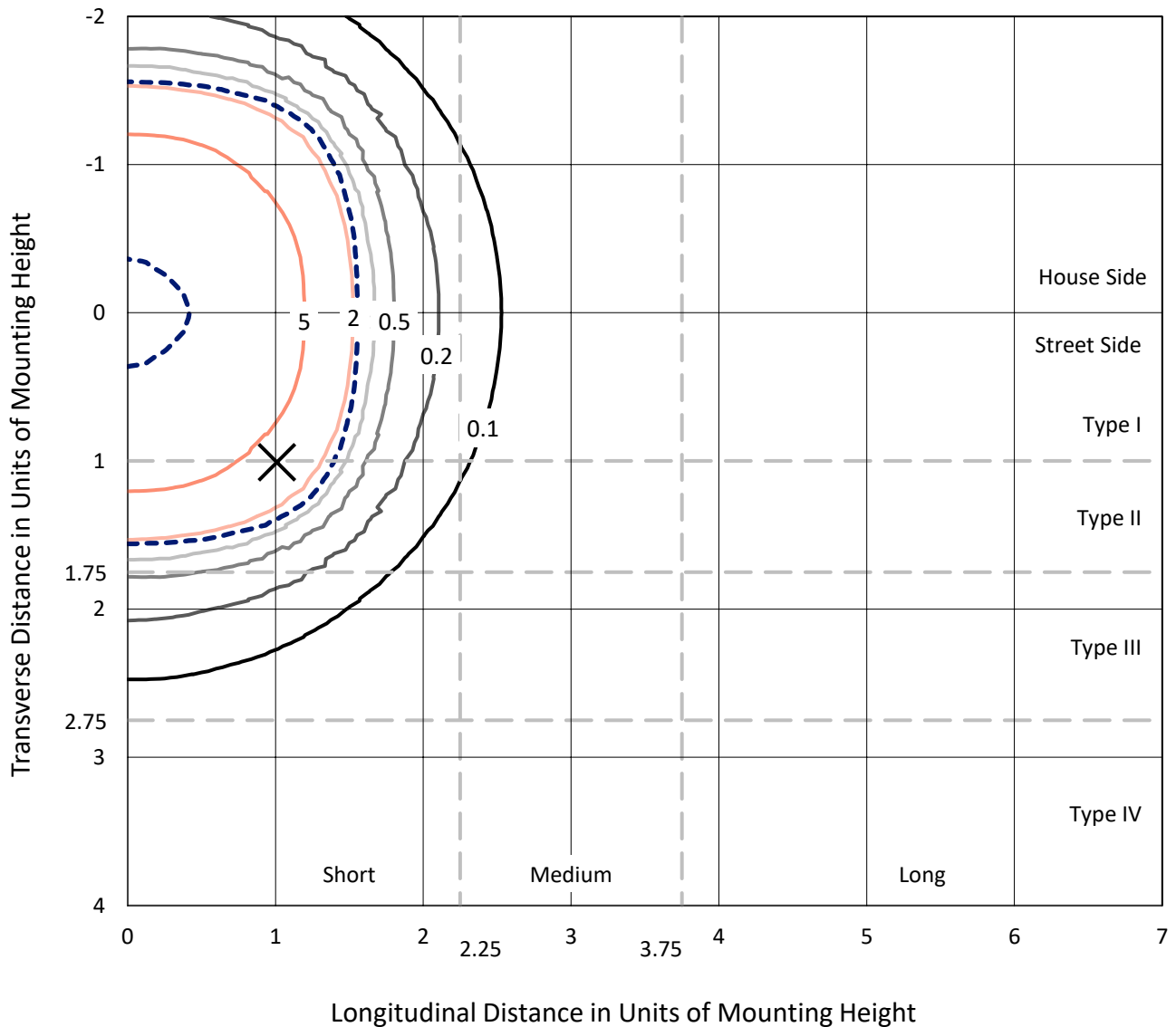
Input Watts (W): 286  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P531916  
 CATALOG NUMBER: GALN-SA7B-730-U-5NQ-GRSWH

### Iso-Footcandle Lines of Horizontal Illumination

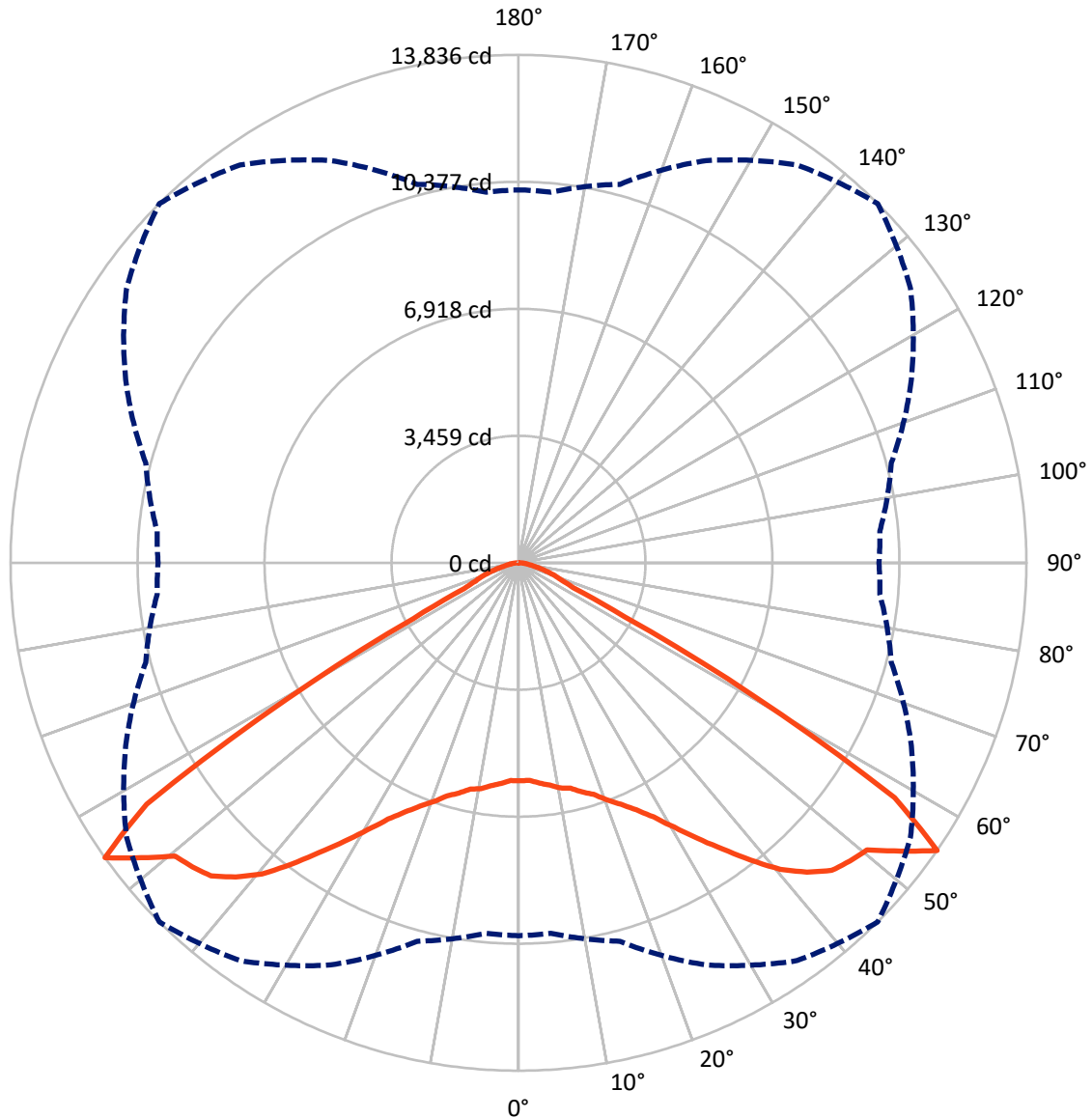
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.5 fc  
 Type V - Short - N/A

REPORT NUMBER: P531916  
CATALOG NUMBER: GALN-SA7B-730-U-5NQ-GRSWH

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P531916  
 CATALOG NUMBER: GALN-SA7B-730-U-5NQ-GRSWH

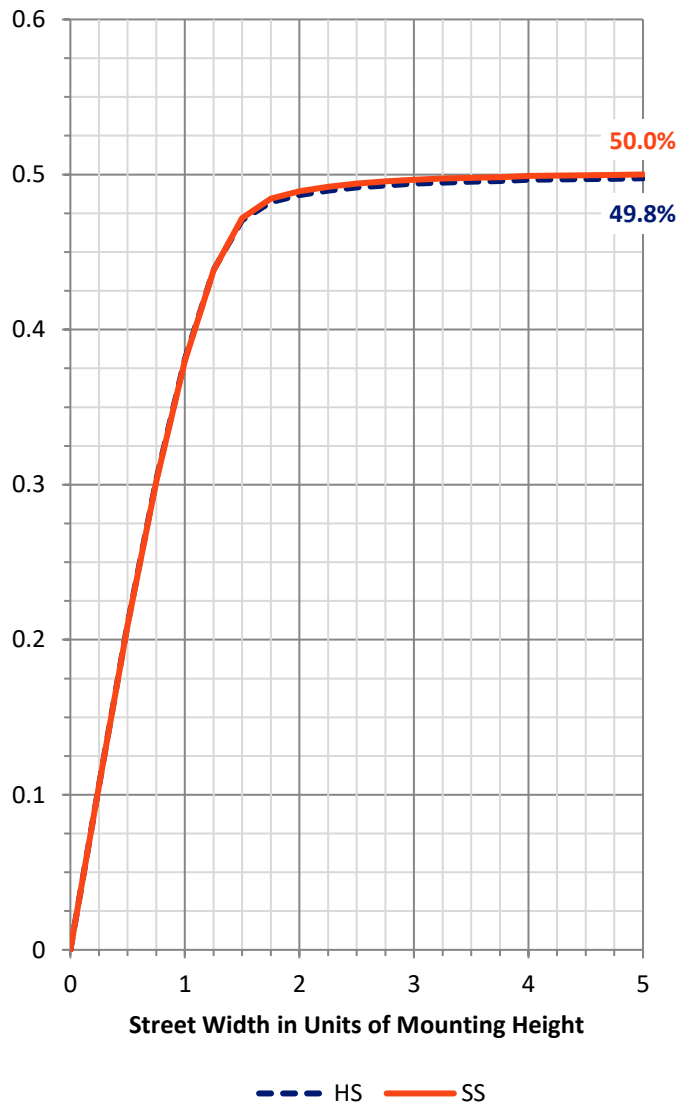
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	16255.5	0.0	16255.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	16255.5	0.0	16255.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	32511.0	0.0	32511.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	579.9	1.8
10°-20°	1837.4	5.7
20°-30°	3426.2	10.5
30°-40°	5736.5	17.6
40°-50°	8926.5	27.5
50°-60°	9268.5	28.5
60°-70°	1965.5	6.0
70°-80°	647.3	2.0
80°-90°	123.3	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°	32511.0	100.0
0°-180°	32511.0	100.0

**Coefficient of Utilization**



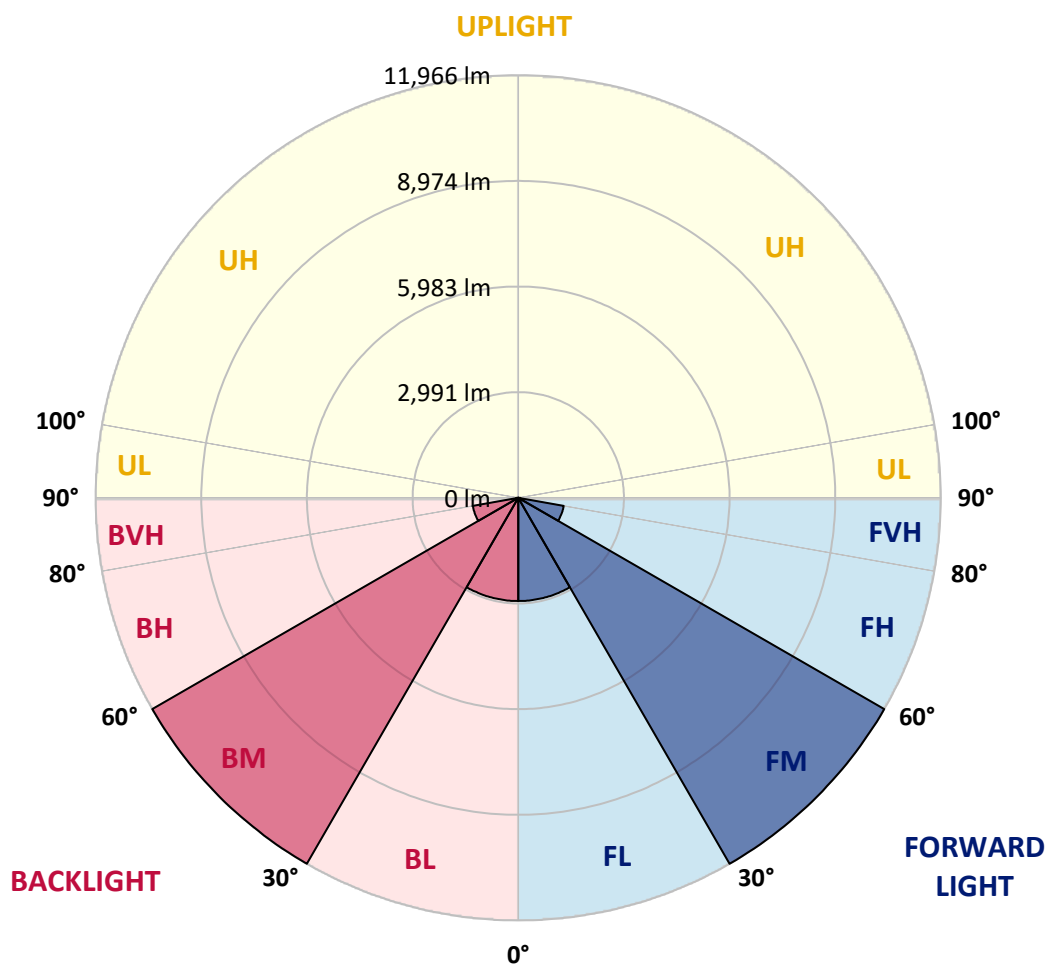
REPORT NUMBER: P531916  
 CATALOG NUMBER: GALN-SA7B-730-U-5NQ-GRSWH

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2921.7	9.0			
FM (30°-60°)	11965.7	36.8			
FH (60°-80°)	1306.4	4.0			G1/1800
FVH (80°-90°)	61.6	0.2			G1/100
BL (0°-30°)	2921.7	9.0	B4/5000		
BM (30°-60°)	11965.7	36.8	B5		
BH (60°-80°)	1306.4	4.0	B3/2500		G1/1800
BVH (80°-90°)	61.6	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: P531916

CATALOG NUMBER: GALN-SA7B-730-U-5NQ-GRSWH

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	5936.0	5936.0	5936.0	5936.0	5936.0	5936.0	5936.0	5936.0	5936.0	5936.0	5936.0
2.5°	6006.7	5979.2	5932.1	5967.5	5995.0	5936.0	5959.6	5971.4	5963.5	5932.1	5943.9
5°	6093.2	6077.5	6038.2	6065.7	6030.3	6030.3	6006.7	5975.3	6022.5	6014.6	6034.2
7.5°	6093.2	6073.5	6152.1	6101.0	6116.7	6116.7	6077.5	6046.0	6069.6	6034.2	6014.6
10°	6215.0	6242.4	6207.1	6218.9	6211.0	6238.5	6179.6	6160.0	6140.3	6128.5	6105.0
12.5°	6360.3	6340.7	6352.4	6344.6	6372.1	6301.4	6266.0	6222.8	6258.2	6207.1	6242.4
15°	6478.2	6466.4	6478.2	6509.6	6482.1	6478.2	6415.3	6372.1	6317.1	6328.9	6273.9
17.5°	6639.2	6627.4	6631.4	6658.9	6654.9	6635.3	6588.2	6505.7	6486.0	6454.6	6419.2
20°	6878.9	6859.2	6851.4	6863.2	6882.8	6898.5	6804.2	6772.8	6706.0	6654.9	6596.0
22.5°	7083.2	7075.3	7106.7	7055.7	7098.9	7146.0	7055.7	7039.9	6874.9	6847.4	6784.6
25°	7366.0	7354.2	7334.6	7409.2	7460.3	7456.4	7369.9	7283.5	7157.8	7126.4	7126.4
27.5°	7664.6	7597.8	7699.9	7719.6	7809.9	7837.4	7762.8	7637.1	7519.2	7452.4	7468.2
30°	8037.8	7974.9	7998.5	8139.9	8257.8	8359.9	8171.4	7986.7	7821.7	7703.9	7684.2
32.5°	8411.0	8348.1	8418.9	8556.4	8792.1	8945.3	8760.6	8438.5	8246.0	8073.1	8108.5
35°	8713.5	8760.6	8874.6	9082.8	9326.4	9573.9	9279.2	9031.7	8756.7	8564.2	8591.7
37.5°	9200.6	9346.0	9436.4	9676.0	10021.7	10277.1	9970.6	9648.5	9353.9	9102.4	9016.0
40°	9837.1	9935.3	10037.4	10320.3	10728.8	10984.2	10693.5	10273.1	9982.4	9723.1	9711.4
42.5°	10536.3	10630.6	10736.7	11082.4	11326.0	11518.5	11251.3	11027.4	10705.3	10501.0	10489.2
45°	11349.6	11282.8	11400.6	11628.5	11832.8	11958.5	11785.6	11675.6	11443.8	11255.3	11235.6
47.5°	11891.7	11832.8	12044.9	12249.2	12280.6	12143.1	12178.5	12280.6	12037.0	11726.7	11824.9
50°	12206.0	12206.0	12347.4	12536.0	12477.0	12300.3	12579.2	12587.0	12343.5	12068.5	12068.5
52.5°	11659.9	11781.7	12182.4	12799.2	12995.6	13046.7	12983.8	12716.7	12080.3	11518.5	11491.0
55°	10159.2	10131.7	10673.8	12088.1	13231.3	13836.3	13034.9	11805.3	10512.8	9880.3	9817.4
57.5°	6607.8	6639.2	7448.5	8890.3	10952.8	12080.3	10728.8	9000.3	7448.5	6576.4	6658.9
60°	2973.9	3080.0	3571.0	4647.5	6419.2	7338.5	6434.9	4883.2	3747.8	3252.8	3296.0
62.5°	1708.9	1728.6	1748.2	2074.3	2734.3	3233.2	2840.3	2192.1	1932.8	1846.4	1846.4
65°	1441.8	1430.0	1433.9	1461.4	1532.1	1634.3	1591.1	1532.1	1540.0	1532.1	1520.3
67.5°	1225.7	1241.4	1229.6	1249.3	1253.2	1268.9	1296.4	1320.0	1323.9	1331.8	1323.9
70°	1005.7	1009.6	1017.5	1033.2	1037.1	1048.9	1088.2	1107.8	1119.6	1119.6	1135.3
72.5°	770.0	766.1	773.9	789.6	809.3	813.2	848.6	876.1	891.8	872.1	876.1
75°	506.8	510.7	522.5	534.3	561.8	589.3	601.1	628.6	632.5	640.4	620.7
77.5°	302.5	310.4	322.1	345.7	369.3	392.9	420.4	440.0	447.9	440.0	416.4
80°	196.4	196.4	212.1	231.8	259.3	278.9	294.6	310.4	322.1	310.4	302.5
82.5°	121.8	121.8	141.4	165.0	184.6	196.4	220.0	239.6	251.4	243.6	231.8
85°	62.9	66.8	82.5	102.1	117.9	125.7	121.8	110.0	98.2	94.3	86.4
87.5°	19.6	19.6	23.6	23.6	19.6	19.6	23.6	19.6	23.6	23.6	23.6
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)