

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: P532150

Luminaire Tested: **GALN-SA7C-730-U-5NQ-GRSWH**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P532150  
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-SA7C-730-U-5NQ-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(7) 70 CRI, 3000K, 1050mA 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: 40168 lumens  
Efficiency: N/A  
Efficacy: 106.5 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

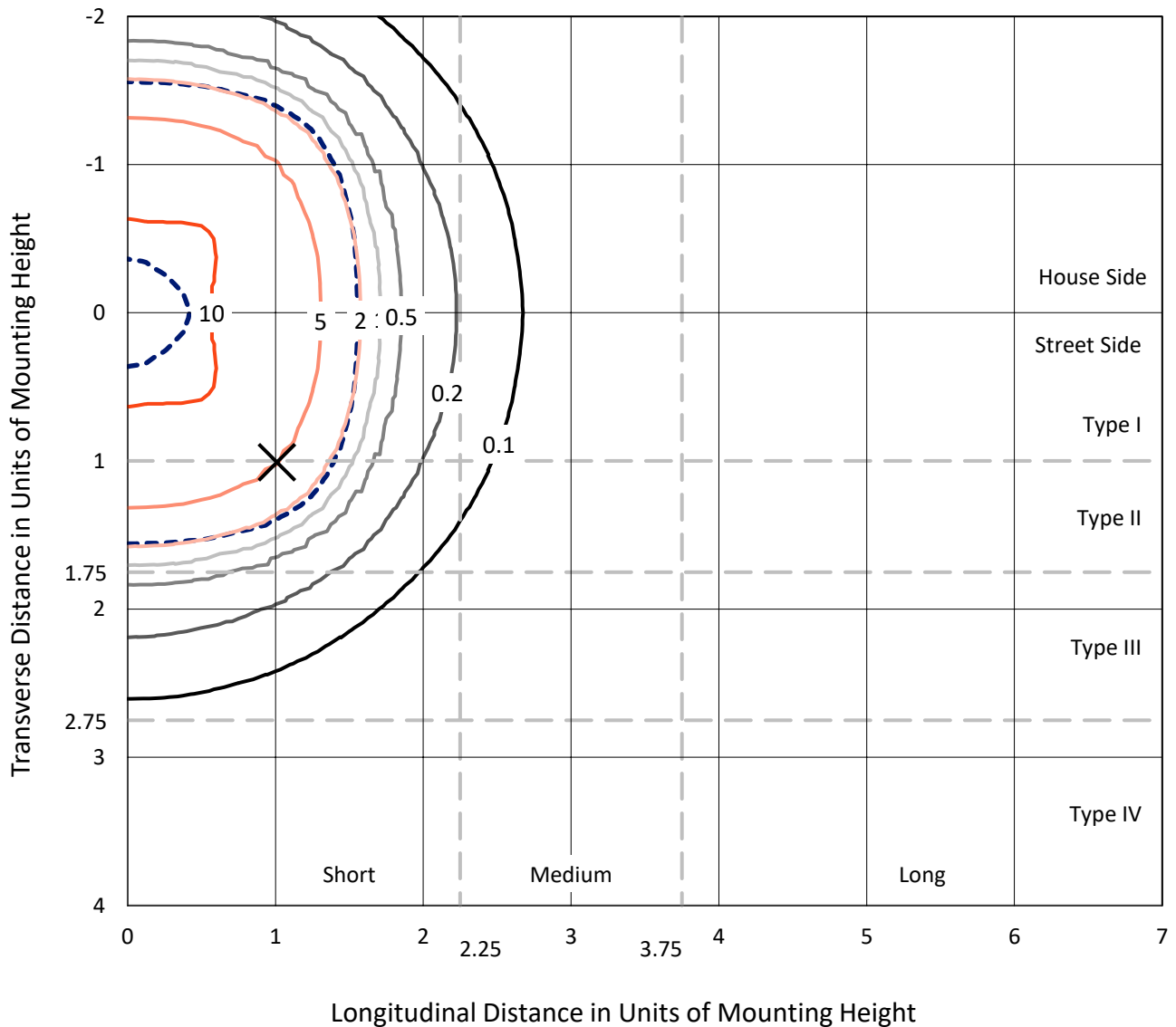
Input Watts (W): 377  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P532150  
 CATALOG NUMBER: GALN-SA7C-730-U-5NQ-GRSWH

### Iso-Footcandle Lines of Horizontal Illumination

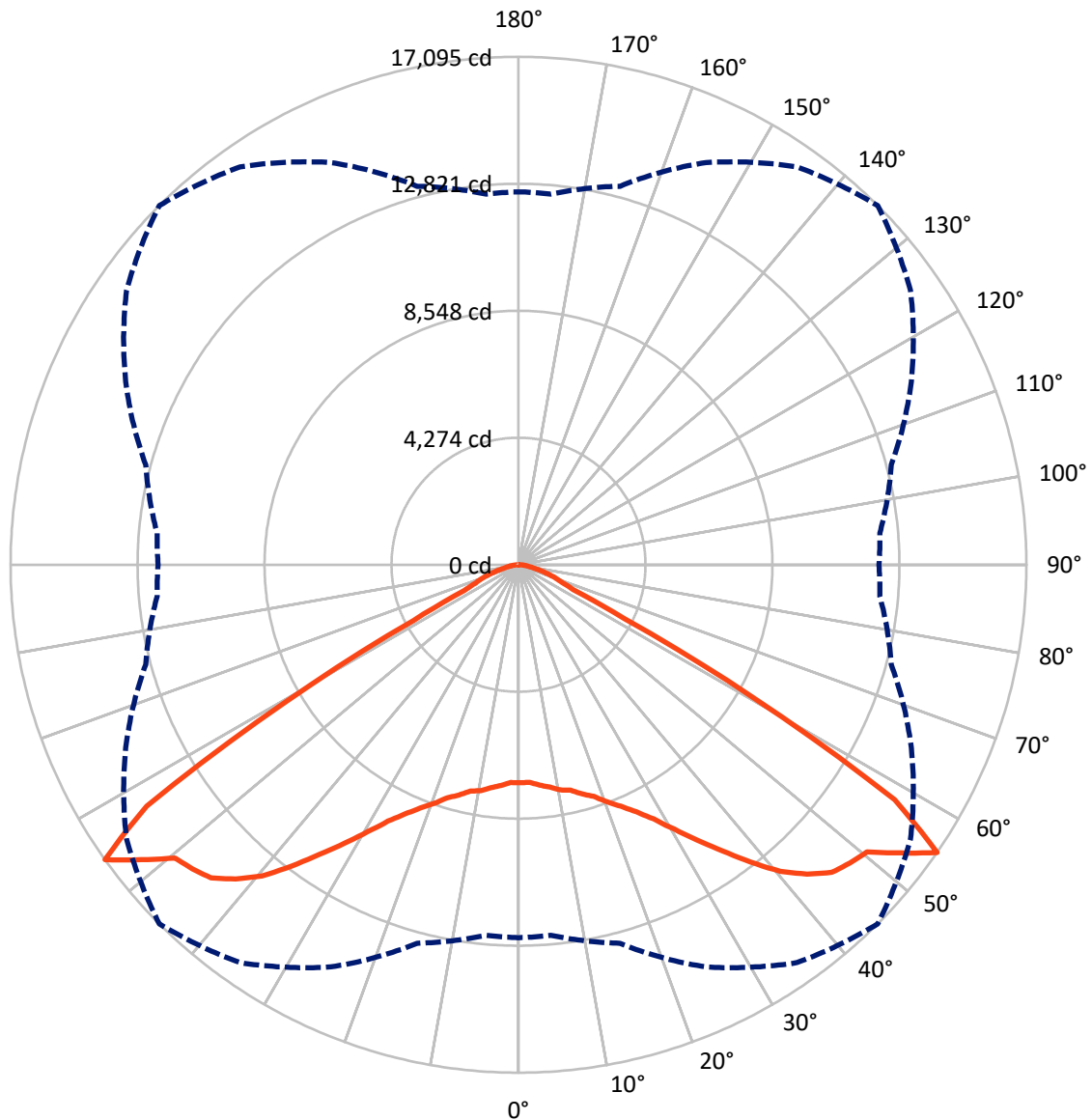
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.8 fc  
 Type V - Short - N/A

REPORT NUMBER: P532150  
CATALOG NUMBER: GALN-SA7C-730-U-5NQ-GRSWH

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P532150  
 CATALOG NUMBER: GALN-SA7C-730-U-5NQ-GRSWH

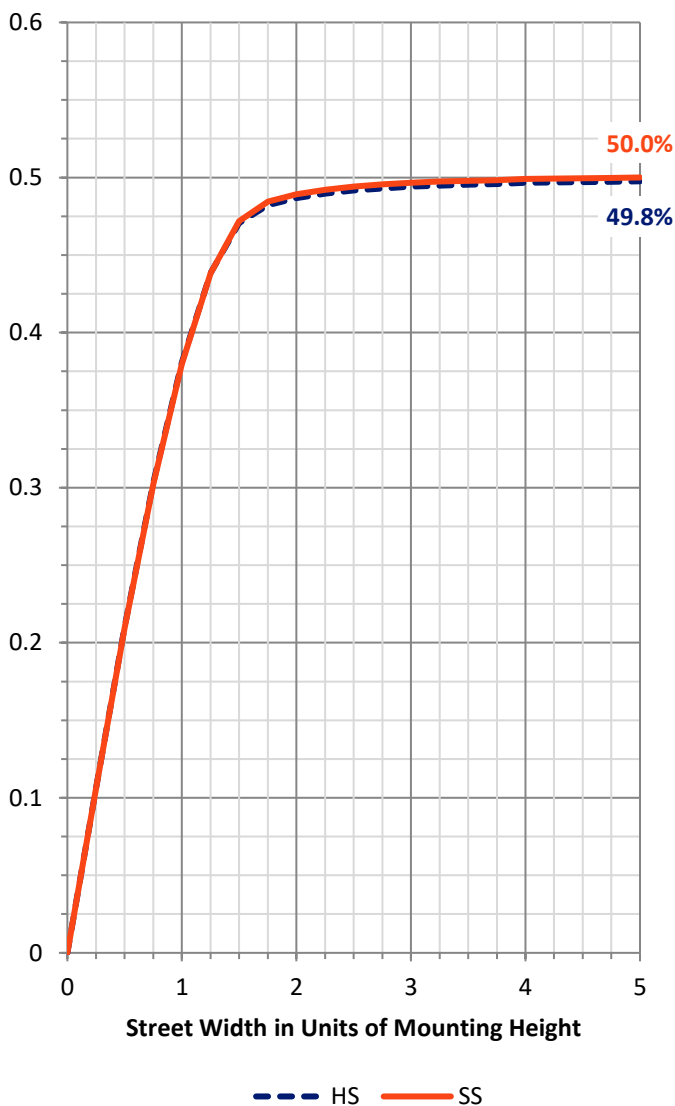
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	20084.0	0.0	20084.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	20084.0	0.0	20084.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	40168.0	0.0	40168.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	716.5	1.8
10°-20°	2270.1	5.7
20°-30°	4233.1	10.5
30°-40°	7087.6	17.6
40°-50°	11028.8	27.5
50°-60°	11451.4	28.5
60°-70°	2428.5	6.0
70°-80°	799.8	2.0
80°-90°	152.3	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°	40168.0	100.0
0°-180°	40168.0	100.0

**Coefficient of Utilization**



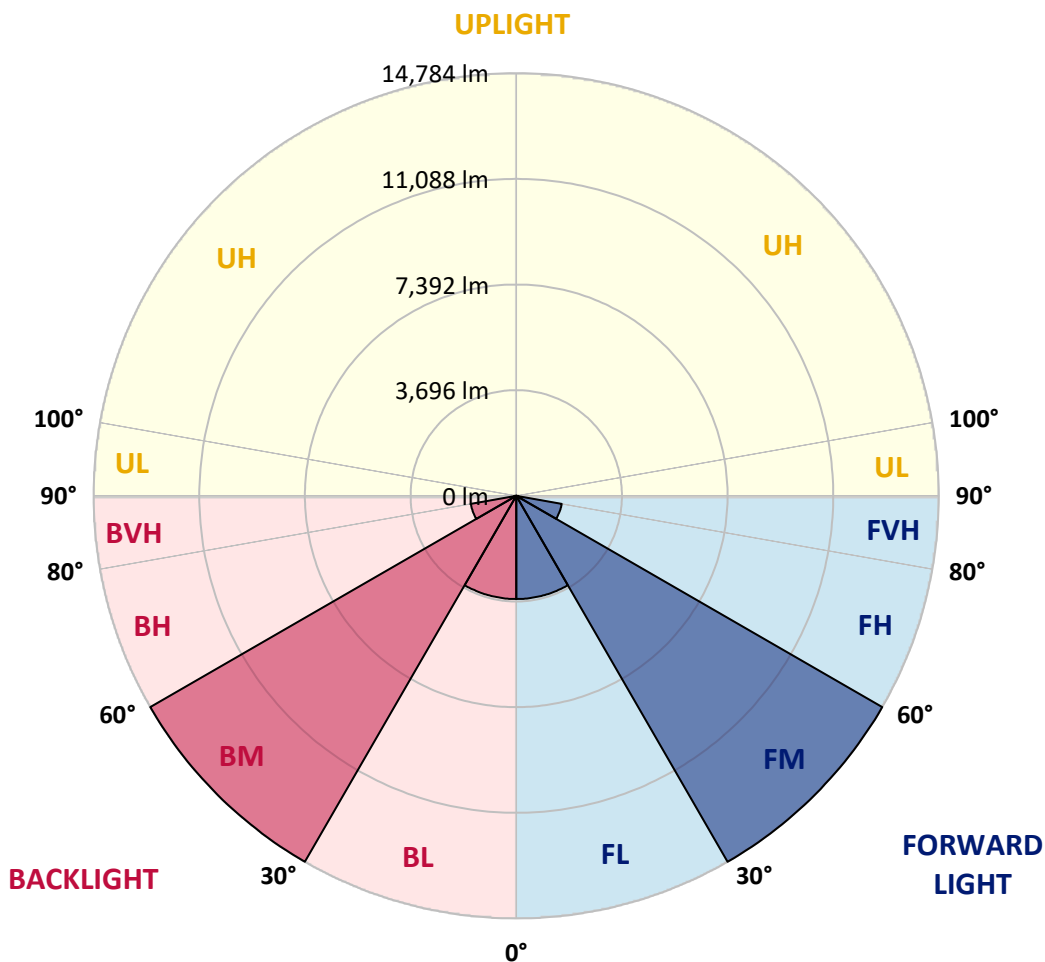
REPORT NUMBER: P532150  
 CATALOG NUMBER: GALN-SA7C-730-U-5NQ-GRSWH

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3609.8	9.0			
FM (30°-60°)	14783.9	36.8			
FH (60°-80°)	1614.1	4.0			G1/1800
FVH (80°-90°)	76.2	0.2			G1/100
BL (0°-30°)	3609.8	9.0	B4/5000		
BM (30°-60°)	14783.9	36.8	B5		
BH (60°-80°)	1614.1	4.0	B3/2500		G1/1800
BVH (80°-90°)	76.2	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: P532150

CATALOG NUMBER: GALN-SA7C-730-U-5NQ-GRSWH

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	7334.1	7334.1	7334.1	7334.1	7334.1	7334.1	7334.1	7334.1	7334.1	7334.1	7334.1
2.5°	7421.4	7387.5	7329.2	7372.9	7406.9	7334.1	7363.2	7377.8	7368.1	7329.2	7343.8
5°	7528.2	7508.8	7460.3	7494.3	7450.6	7450.6	7421.4	7382.6	7440.9	7431.2	7455.4
7.5°	7528.2	7504.0	7601.0	7537.9	7557.4	7557.4	7508.8	7470.0	7499.1	7455.4	7431.2
10°	7678.7	7712.7	7669.0	7683.6	7673.8	7707.8	7635.0	7610.7	7586.5	7571.9	7542.8
12.5°	7858.3	7834.0	7848.6	7838.9	7872.8	7785.5	7741.8	7688.4	7732.1	7669.0	7712.7
15°	8003.9	7989.3	8003.9	8042.7	8008.8	8003.9	7926.2	7872.8	7804.9	7819.5	7751.5
17.5°	8202.9	8188.3	8193.2	8227.2	8222.3	8198.1	8139.8	8037.9	8013.6	7974.8	7931.1
20°	8499.0	8474.7	8465.0	8479.6	8503.8	8523.3	8406.8	8367.9	8285.4	8222.3	8149.5
22.5°	8751.4	8741.7	8780.5	8717.4	8770.8	8829.0	8717.4	8698.0	8494.1	8460.2	8382.5
25°	9100.9	9086.3	9062.0	9154.2	9217.3	9212.5	9105.7	8998.9	8843.6	8804.8	8804.8
27.5°	9469.7	9387.2	9513.4	9537.7	9649.3	9683.3	9591.1	9435.8	9290.2	9207.6	9227.1
30°	9930.9	9853.2	9882.3	10057.1	10202.7	10328.9	10095.9	9867.8	9663.9	9518.3	9494.0
32.5°	10392.0	10314.3	10401.7	10571.6	10862.8	11052.1	10824.0	10425.9	10188.1	9974.5	10018.2
35°	10765.7	10824.0	10964.7	11222.0	11522.9	11828.7	11464.7	11158.9	10819.1	10581.3	10615.2
37.5°	11367.6	11547.2	11658.8	11954.9	12382.0	12697.5	12318.9	11920.9	11556.9	11246.2	11139.4
40°	12153.9	12275.2	12401.4	12750.9	13255.7	13571.2	13212.0	12692.7	12333.5	12013.1	11998.6
42.5°	13017.9	13134.4	13265.4	13692.5	13993.5	14231.3	13901.3	13624.6	13226.6	12974.2	12959.6
45°	14022.6	13940.1	14085.7	14367.2	14619.6	14774.9	14561.4	14425.5	14139.1	13906.1	13881.8
47.5°	14692.4	14619.6	14881.7	15134.1	15172.9	15003.1	15046.8	15172.9	14872.0	14488.6	14609.9
50°	15080.7	15080.7	15255.5	15488.4	15415.6	15197.2	15541.8	15551.5	15250.6	14910.8	14910.8
52.5°	14406.1	14556.5	15051.6	15813.6	16056.3	16119.4	16041.8	15711.7	14925.4	14231.3	14197.3
55°	12551.9	12517.9	13187.7	14935.1	16347.6	17095.1	16104.9	14585.6	12988.7	12207.3	12129.6
57.5°	8164.1	8202.9	9202.8	10984.1	13532.4	14925.4	13255.7	11120.0	9202.8	8125.2	8227.2
60°	3674.3	3805.4	4412.1	5742.0	7931.1	9066.9	7950.5	6033.3	4630.5	4018.9	4072.3
62.5°	2111.4	2135.7	2159.9	2562.8	3378.2	3994.7	3509.3	2708.4	2388.1	2281.3	2281.3
65°	1781.3	1766.8	1771.6	1805.6	1893.0	2019.2	1965.8	1893.0	1902.7	1893.0	1878.4
67.5°	1514.4	1533.8	1519.2	1543.5	1548.4	1567.8	1601.8	1630.9	1635.7	1645.4	1635.7
70°	1242.6	1247.4	1257.1	1276.5	1281.4	1296.0	1344.5	1368.8	1383.3	1383.3	1402.7
72.5°	951.3	946.5	956.2	975.6	999.9	1004.7	1048.4	1082.4	1101.8	1077.5	1082.4
75°	626.1	631.0	645.6	660.1	694.1	728.1	742.6	776.6	781.5	791.2	766.9
77.5°	373.7	383.4	398.0	427.1	456.3	485.4	519.4	543.6	553.3	543.6	514.5
80°	242.7	242.7	262.1	286.4	320.4	344.6	364.0	383.4	398.0	383.4	373.7
82.5°	150.5	150.5	174.7	203.9	228.1	242.7	271.8	296.1	310.6	300.9	286.4
85°	77.7	82.5	101.9	126.2	145.6	155.3	150.5	135.9	121.3	116.5	106.8
87.5°	24.3	24.3	29.1	29.1	24.3	24.3	29.1	24.3	29.1	29.1	29.1
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)