

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: P529316

Luminaire Tested: **GALN-SA4C-727-U-5NQ-GRSWH**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P529316  
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-SA4C-727-U-5NQ-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(4) 70 CRI, 2700K, 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: 20950 lumens  
Efficiency: N/A  
Efficacy: 98.4 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G1

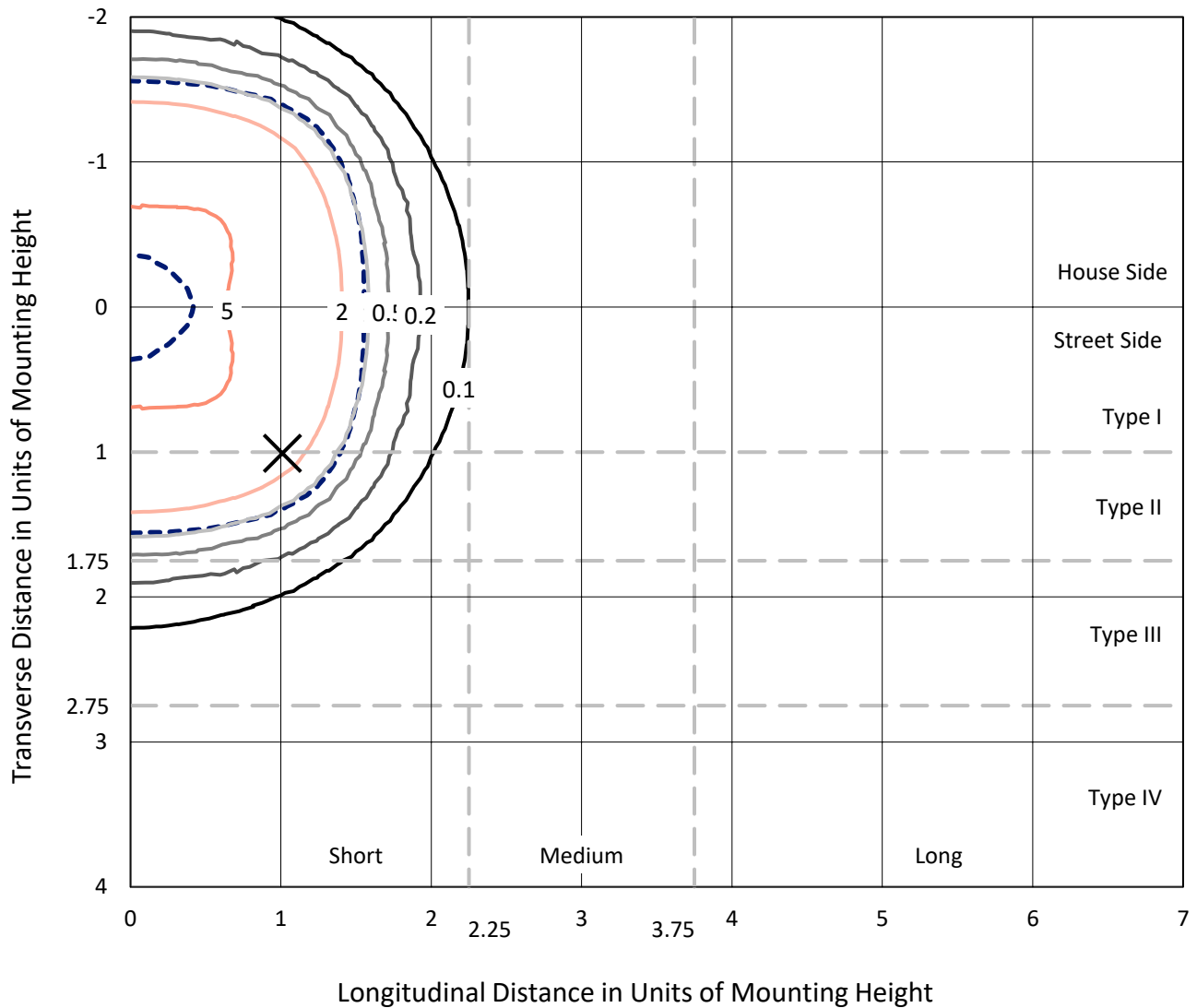
Input Watts (W): 213  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P529316  
 CATALOG NUMBER: GALN-SA4C-727-U-5NQ-GRSWH

### Iso-Footcandle Lines of Horizontal Illumination

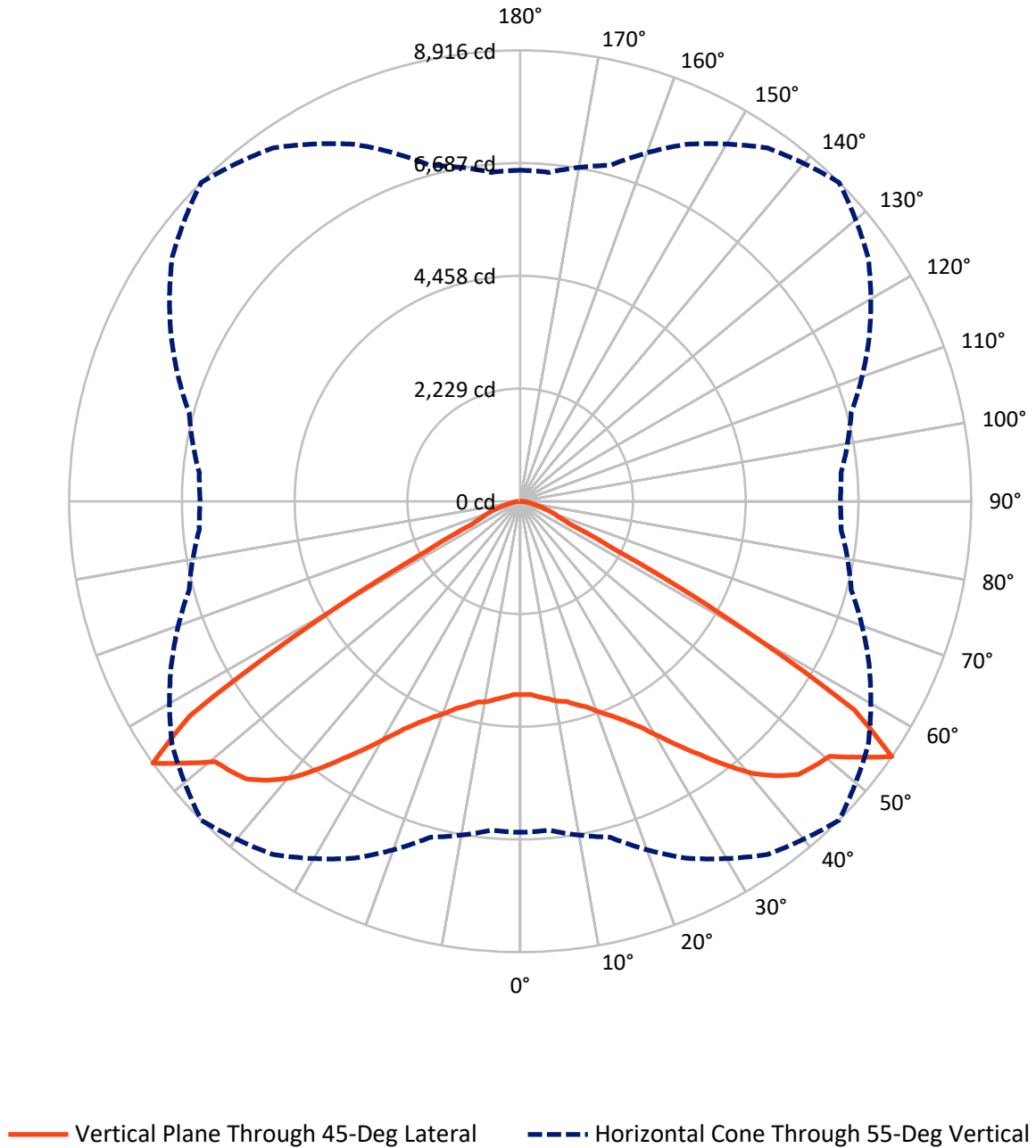
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.1 fc  
 Type V - Short - N/A

REPORT NUMBER: P529316  
CATALOG NUMBER: GALN-SA4C-727-U-5NQ-GRSWH

### Luminous Intensity Polar Plot



REPORT NUMBER: P529316  
 CATALOG NUMBER: GALN-SA4C-727-U-5NQ-GRSWH

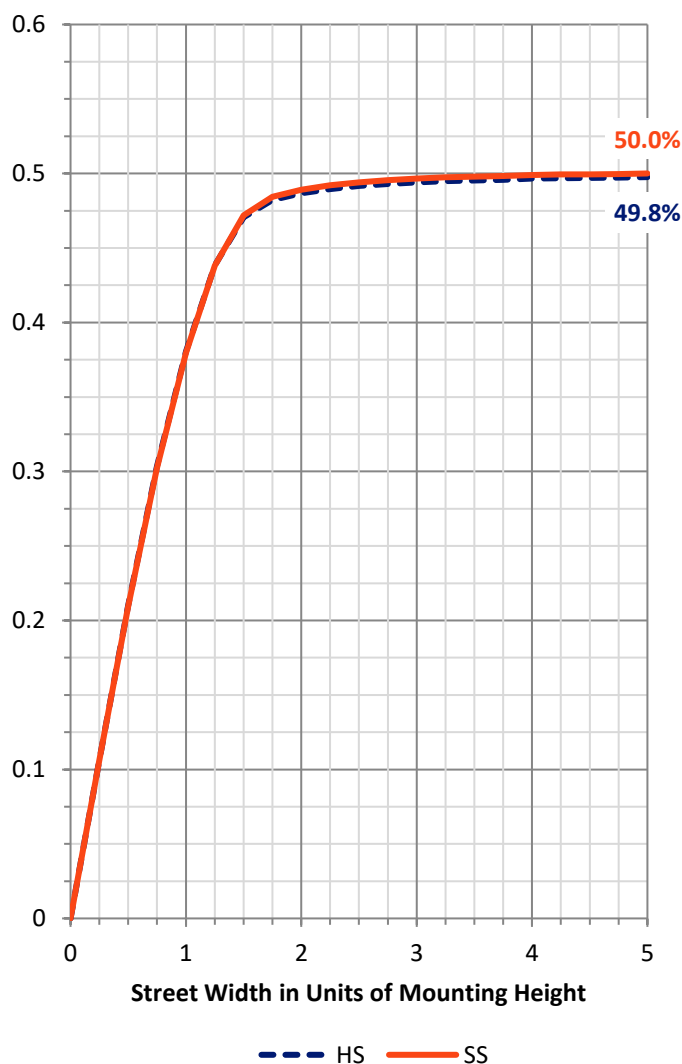
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	10475.0	0.0	10475.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	10475.0	0.0	10475.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	20950.0	0.0	20950.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	373.7	1.8
10°-20°	1184.0	5.7
20°-30°	2207.8	10.5
30°-40°	3696.6	17.6
40°-50°	5752.2	27.5
50°-60°	5972.6	28.5
60°-70°	1266.6	6.0
70°-80°	417.1	2.0
80°-90°	79.4	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°	20950.0	100.0
0°-180°	20950.0	100.0

**Coefficient of Utilization**

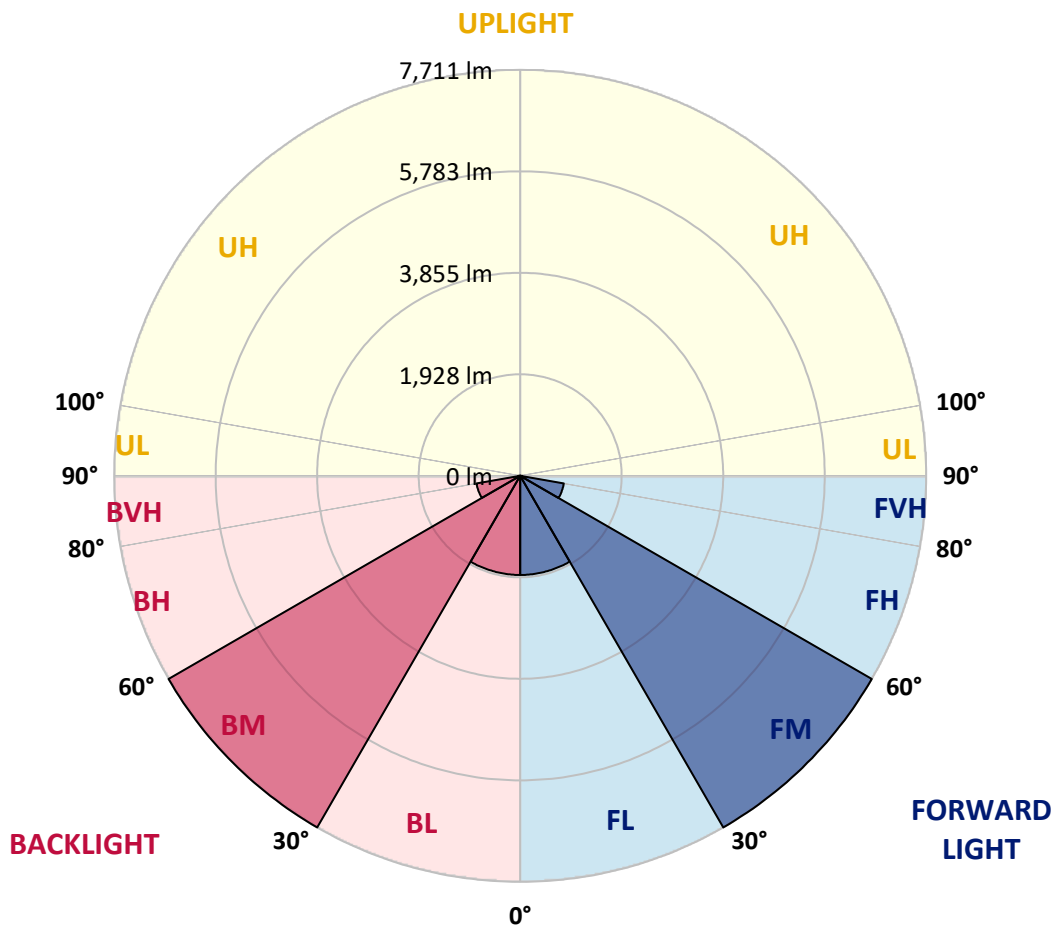


REPORT NUMBER: P529316  
 CATALOG NUMBER: GALN-SA4C-727-U-5NQ-GRSWH

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1882.8	9.0			
FM (30°-60°)	7710.7	36.8			
FH (60°-80°)	841.9	4.0			G1/1800
FVH (80°-90°)	39.7	0.2			G1/100
BL (0°-30°)	1882.8	9.0	B3/2500		
BM (30°-60°)	7710.7	36.8	B4/8500		
BH (60°-80°)	841.9	4.0	B2/1000		G1/1800
BVH (80°-90°)	39.7	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G1**  
 Type V Short





REPORT NUMBER: P529316

CATALOG NUMBER: GALN-SA4C-727-U-5NQ-GRSWH

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3825.2	3825.2	3825.2	3825.2	3825.2	3825.2	3825.2	3825.2	3825.2	3825.2	3825.2
2.5°	3870.7	3853.0	3822.6	3845.4	3863.1	3825.2	3840.3	3847.9	3842.9	3822.6	3830.2
5°	3926.4	3916.3	3891.0	3908.7	3885.9	3885.9	3870.7	3850.5	3880.9	3875.8	3888.4
7.5°	3926.4	3913.8	3964.4	3931.5	3941.6	3941.6	3916.3	3896.0	3911.2	3888.4	3875.8
10°	4004.9	4022.6	3999.8	4007.4	4002.4	4020.1	3982.1	3969.5	3956.8	3949.2	3934.0
12.5°	4098.6	4085.9	4093.5	4088.4	4106.2	4060.6	4037.8	4010.0	4032.7	3999.8	4022.6
15°	4174.5	4166.9	4174.5	4194.8	4177.0	4174.5	4134.0	4106.2	4070.7	4078.3	4042.9
17.5°	4278.3	4270.7	4273.2	4291.0	4288.4	4275.8	4245.4	4192.2	4179.6	4159.3	4136.5
20°	4432.7	4420.1	4415.0	4422.6	4435.3	4445.4	4384.6	4364.4	4321.3	4288.4	4250.5
22.5°	4564.4	4559.3	4579.6	4546.6	4574.5	4604.9	4546.6	4536.5	4430.2	4412.5	4372.0
25°	4746.6	4739.0	4726.4	4774.5	4807.4	4804.9	4749.2	4693.5	4612.5	4592.2	4592.2
27.5°	4939.0	4896.0	4961.8	4974.5	5032.7	5050.4	5002.3	4921.3	4845.4	4802.3	4812.5
30°	5179.5	5139.0	5154.2	5245.4	5321.3	5387.1	5265.6	5146.6	5040.3	4964.4	4951.7
32.5°	5420.0	5379.5	5425.1	5513.7	5665.6	5764.3	5645.3	5437.7	5313.7	5202.3	5225.1
35°	5615.0	5645.3	5718.7	5852.9	6009.9	6169.4	5979.5	5820.0	5642.8	5518.8	5536.5
37.5°	5928.9	6022.5	6080.8	6235.2	6458.0	6622.5	6425.0	6217.5	6027.6	5865.6	5809.9
40°	6339.0	6402.3	6468.1	6650.4	6913.6	7078.2	6890.9	6620.0	6432.6	6265.6	6258.0
42.5°	6789.6	6850.3	6918.7	7141.5	7298.4	7422.5	7250.3	7106.0	6898.4	6766.8	6759.2
45°	7313.6	7270.6	7346.5	7493.4	7625.0	7706.0	7594.6	7523.7	7374.4	7252.9	7240.2
47.5°	7663.0	7625.0	7761.7	7893.3	7913.6	7825.0	7847.8	7913.6	7756.6	7556.6	7619.9
50°	7865.5	7865.5	7956.6	8078.1	8040.2	7926.3	8106.0	8111.1	7954.1	7776.9	7776.9
52.5°	7513.6	7592.1	7850.3	8247.8	8374.3	8407.2	8366.7	8194.6	7784.5	7422.5	7404.8
55°	6546.6	6528.8	6878.2	7789.5	8526.2	8916.1	8399.7	7607.3	6774.4	6366.8	6326.3
57.5°	4258.1	4278.3	4799.8	5728.9	7057.9	7784.5	6913.6	5799.8	4799.8	4237.8	4291.0
60°	1916.4	1984.7	2301.2	2994.8	4136.5	4728.9	4146.7	3146.7	2415.1	2096.1	2124.0
62.5°	1101.2	1113.9	1126.5	1336.7	1762.0	2083.5	1830.3	1412.6	1245.5	1189.8	1189.8
65°	929.1	921.5	924.0	941.7	987.3	1053.1	1025.3	987.3	992.4	987.3	979.7
67.5°	789.8	800.0	792.4	805.0	807.6	817.7	835.4	850.6	853.1	858.2	853.1
70°	648.1	650.6	655.7	665.8	668.3	675.9	701.2	713.9	721.5	721.5	731.6
72.5°	496.2	493.7	498.7	508.8	521.5	524.0	546.8	564.5	574.7	562.0	564.5
75°	326.6	329.1	336.7	344.3	362.0	379.7	387.3	405.0	407.6	412.6	400.0
77.5°	194.9	200.0	207.6	222.8	238.0	253.2	270.9	283.5	288.6	283.5	268.3
80°	126.6	126.6	136.7	149.4	167.1	179.7	189.9	200.0	207.6	200.0	194.9
82.5°	78.5	78.5	91.1	106.3	119.0	126.6	141.8	154.4	162.0	157.0	149.4
85°	40.5	43.0	53.2	65.8	75.9	81.0	78.5	70.9	63.3	60.8	55.7
87.5°	12.7	12.7	15.2	15.2	12.7	12.7	15.2	12.7	15.2	15.2	15.2
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)