

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: P530283

Luminaire Tested: **GALN-SA5C-730-U-RW-GRSBK**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P530283  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-7)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SA5C-730-U-RW-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(5) 70 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR  
WIDE OPTICS WITH BLACK GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 20722 lumens  
Efficiency: N/A  
Efficacy: 77.0 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G1

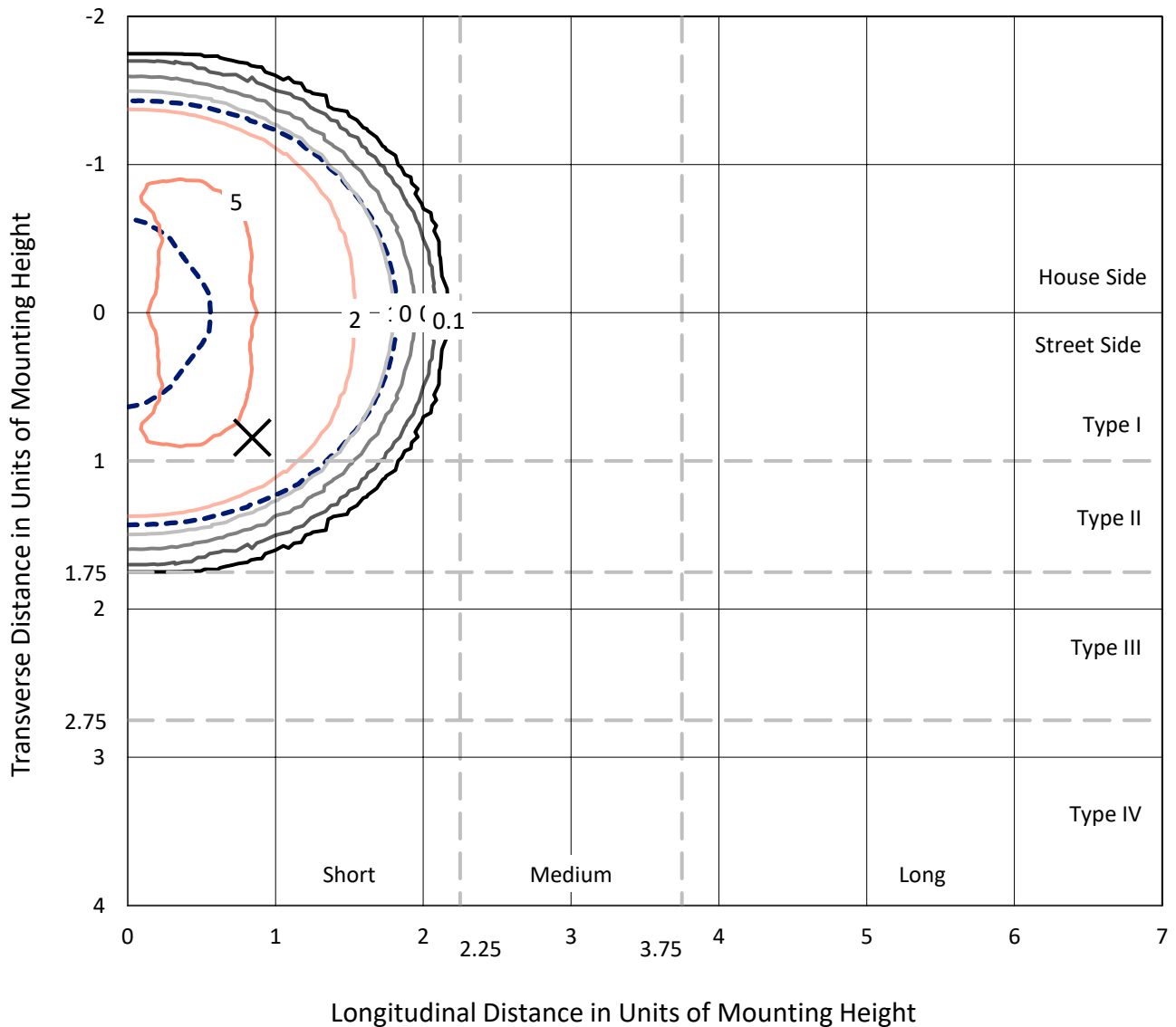
Input Watts (W): 269  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

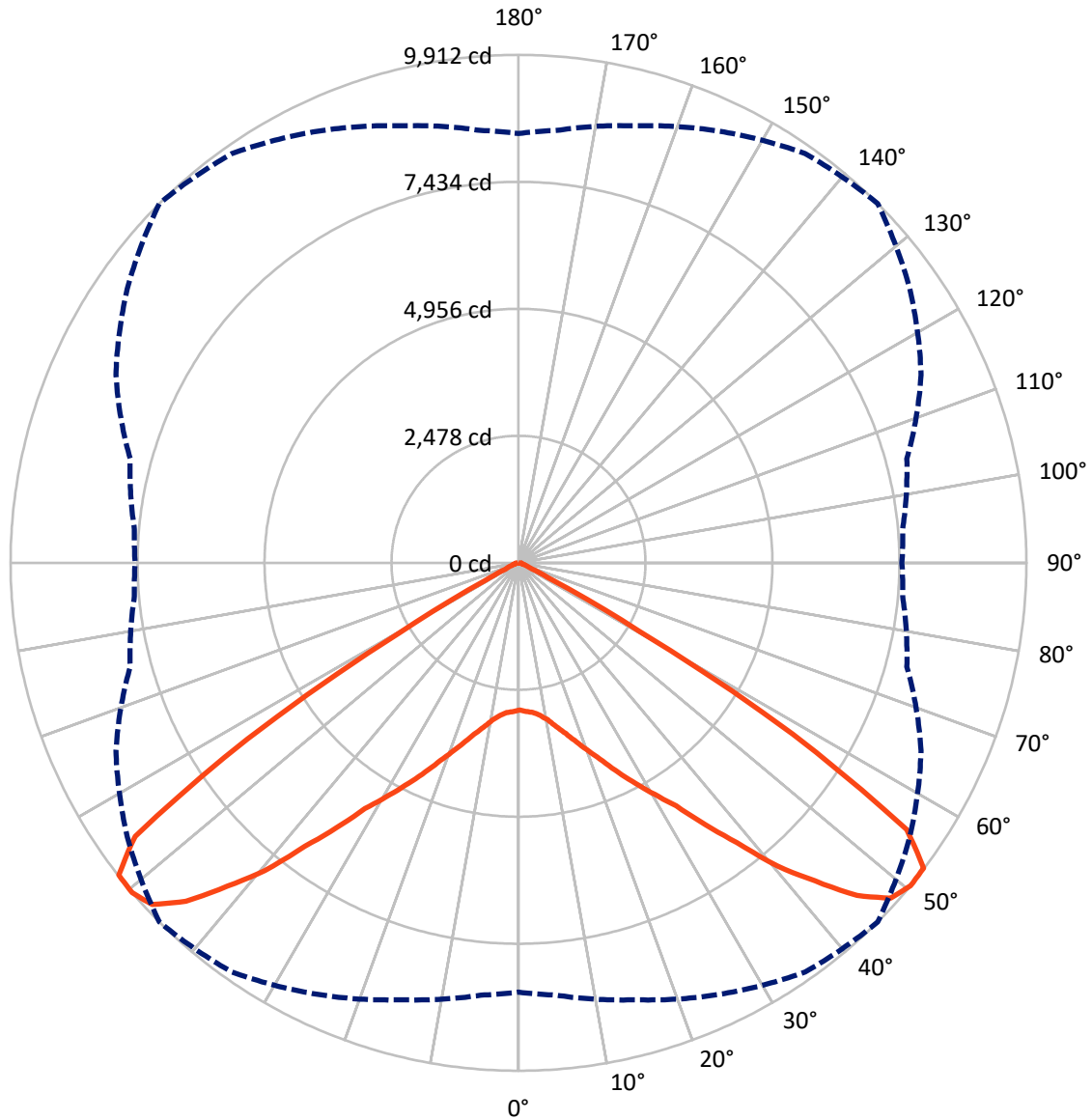
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.5 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral      - - - Horizontal Cone Through 50-Deg Vertical

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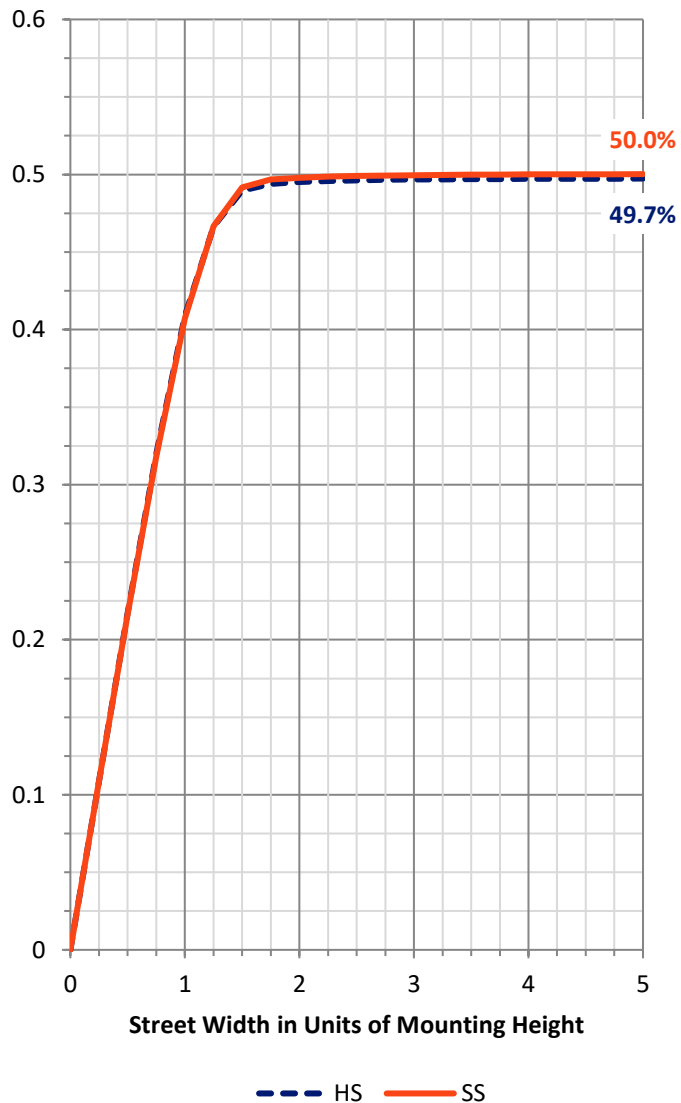
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	10361.0	0.0	10361.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	10361.0	0.0	10361.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	20722.0	0.0	20722.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	285.8	1.4
10°-20°	985.1	4.8
20°-30°	2011.9	9.7
30°-40°	3836.6	18.5
40°-50°	6465.3	31.2
50°-60°	6165.8	29.8
60°-70°	860.7	4.2
70°-80°	82.3	0.4
80°-90°	28.4	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°	20722.0	100.0
0°-180°	20722.0	100.0

**Coefficient of Utilization**



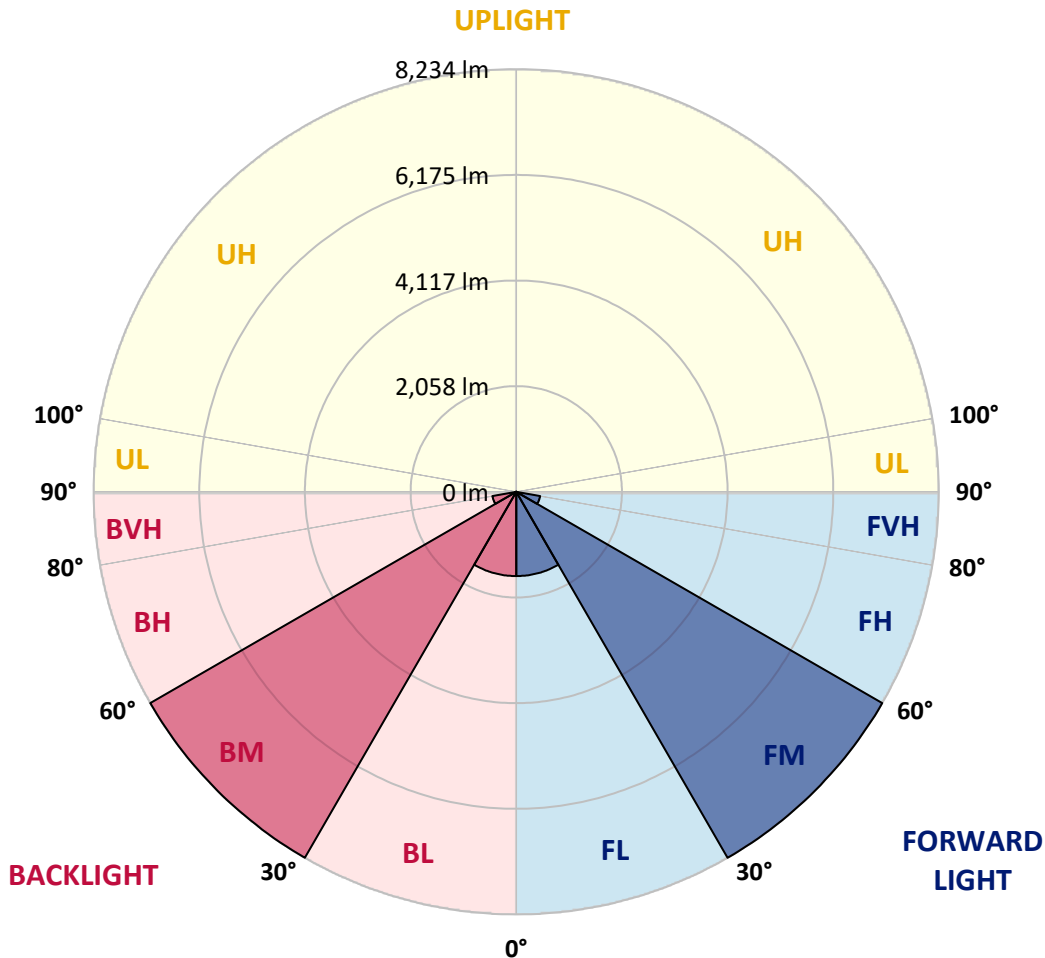
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1641.4	7.9			
FM (30°-60°)	8233.9	39.7			
FH (60°-80°)	471.5	2.3			G0/660
FVH (80°-90°)	14.2	0.1			G1/100
BL (0°-30°)	1641.4	7.9	B3/2500		
BM (30°-60°)	8233.9	39.7	B4/8500		
BH (60°-80°)	471.5	2.3	B1/500		G0/660
BVH (80°-90°)	14.2	0.1			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





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2872.9	2872.9	2872.9	2872.9	2872.9	2872.9	2872.9	2872.9	2872.9	2872.9	2872.9
2.5°	2862.4	2862.4	2858.9	2886.8	2872.9	2904.3	2900.8	2911.2	2921.7	2918.2	2946.1
5°	2838.0	2834.5	2834.5	2865.9	2897.3	2932.1	2963.5	2984.4	3019.3	3019.3	3054.2
7.5°	2862.4	2845.0	2869.4	2883.3	2942.6	3001.9	3054.2	3096.0	3176.2	3204.1	3193.6
10°	2869.4	2890.3	2907.7	2949.6	3022.8	3113.4	3158.8	3263.4	3354.0	3416.8	3430.7
12.5°	2914.7	2946.1	2994.9	3096.0	3162.3	3280.8	3343.6	3444.7	3570.2	3639.9	3688.7
15°	3001.9	3012.3	3075.1	3204.1	3347.0	3455.1	3552.7	3626.0	3748.0	3828.2	3831.7
17.5°	3113.4	3158.8	3245.9	3368.0	3517.9	3678.3	3755.0	3835.2	3880.5	3988.6	4013.0
20°	3336.6	3343.6	3427.2	3587.6	3775.9	3922.3	3978.1	4019.9	4002.5	4114.1	4135.0
22.5°	3545.8	3552.7	3657.3	3873.5	4075.7	4201.2	4225.6	4201.2	4148.9	4229.1	4236.1
25°	3758.4	3821.2	3897.9	4114.1	4365.1	4532.5	4535.9	4469.7	4361.6	4375.6	4410.4
27.5°	4089.7	4135.0	4215.2	4413.9	4689.3	4877.6	4846.2	4766.0	4626.6	4637.0	4626.6
30°	4476.7	4518.5	4584.7	4839.3	5041.5	5247.2	5292.5	5215.8	5006.6	4961.3	5013.6
32.5°	4943.9	5003.1	5125.2	5358.8	5529.6	5655.1	5686.5	5658.6	5463.3	5445.9	5480.8
35°	5512.2	5592.3	5703.9	5909.6	6049.1	6275.7	6275.7	6181.6	6003.8	6024.7	6021.2
37.5°	6111.8	6230.4	6404.7	6613.9	6802.2	6924.2	6885.8	6805.7	6627.8	6582.5	6627.8
40°	6864.9	6924.2	7143.8	7415.8	7645.9	7785.4	7621.5	7447.2	7021.8	7088.1	7210.1
42.5°	7551.8	7645.9	7813.3	8113.1	8374.6	8489.6	8294.4	7949.2	7436.7	7384.4	7475.1
45°	8137.5	8238.6	8458.3	8887.1	9162.5	9263.6	8831.3	8273.5	7687.7	7555.2	7593.6
47.5°	8528.0	8580.3	8887.1	9295.0	9546.0	9776.2	9155.6	8496.6	7806.3	7555.2	7541.3
50°	8378.1	8468.7	8827.8	9291.5	9748.3	9912.1	9319.4	8667.4	7844.6	7523.9	7482.0
52.5°	7440.2	7597.1	7998.0	8622.1	9312.4	9898.2	9546.0	8611.7	7830.7	7555.2	7618.0
55°	5177.5	5180.9	5669.1	6589.5	7809.8	9190.4	9214.8	8674.4	7921.3	7750.5	7754.0
57.5°	2081.4	2186.0	2559.1	3483.0	4609.2	6310.6	7503.0	8046.8	7931.8	7890.0	7998.0
60°	526.5	529.9	645.0	983.2	1621.2	2705.5	3929.3	5316.9	6122.3	6397.7	6436.1
62.5°	268.5	271.9	299.8	348.7	442.8	725.2	1290.0	2046.6	2911.2	3350.5	3465.6
65°	219.6	219.6	237.1	261.5	265.0	278.9	334.7	477.7	693.8	787.9	798.4
67.5°	167.4	167.4	181.3	195.2	202.2	198.7	191.8	198.7	240.6	230.1	223.1
70°	104.6	108.1	115.1	129.0	136.0	139.5	142.9	149.9	170.8	177.8	170.8
72.5°	62.8	62.8	66.2	76.7	87.2	94.1	104.6	111.6	122.0	139.5	136.0
75°	27.9	27.9	34.9	45.3	55.8	66.2	76.7	87.2	94.1	104.6	108.1
77.5°	7.0	10.5	17.4	31.4	41.8	55.8	69.7	80.2	87.2	87.2	83.7
80°	3.5	3.5	13.9	24.4	45.3	59.3	76.7	83.7	94.1	87.2	76.7
82.5°	3.5	3.5	13.9	24.4	41.8	59.3	80.2	90.6	97.6	87.2	73.2
85°	0.0	3.5	10.5	20.9	34.9	41.8	34.9	24.4	13.9	13.9	10.5
87.5°	0.0	0.0	3.5	3.5	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)