

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: P528405

Luminaire Tested: **GALN-SA3C-730-U-5NQ-GRSBK**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P528405  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-5)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SA3C-730-U-5NQ-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(3) 70 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V  
NARROW OPTICS WITH BLACK GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 13130 lumens  
Efficiency: N/A  
Efficacy: 82.1 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G0

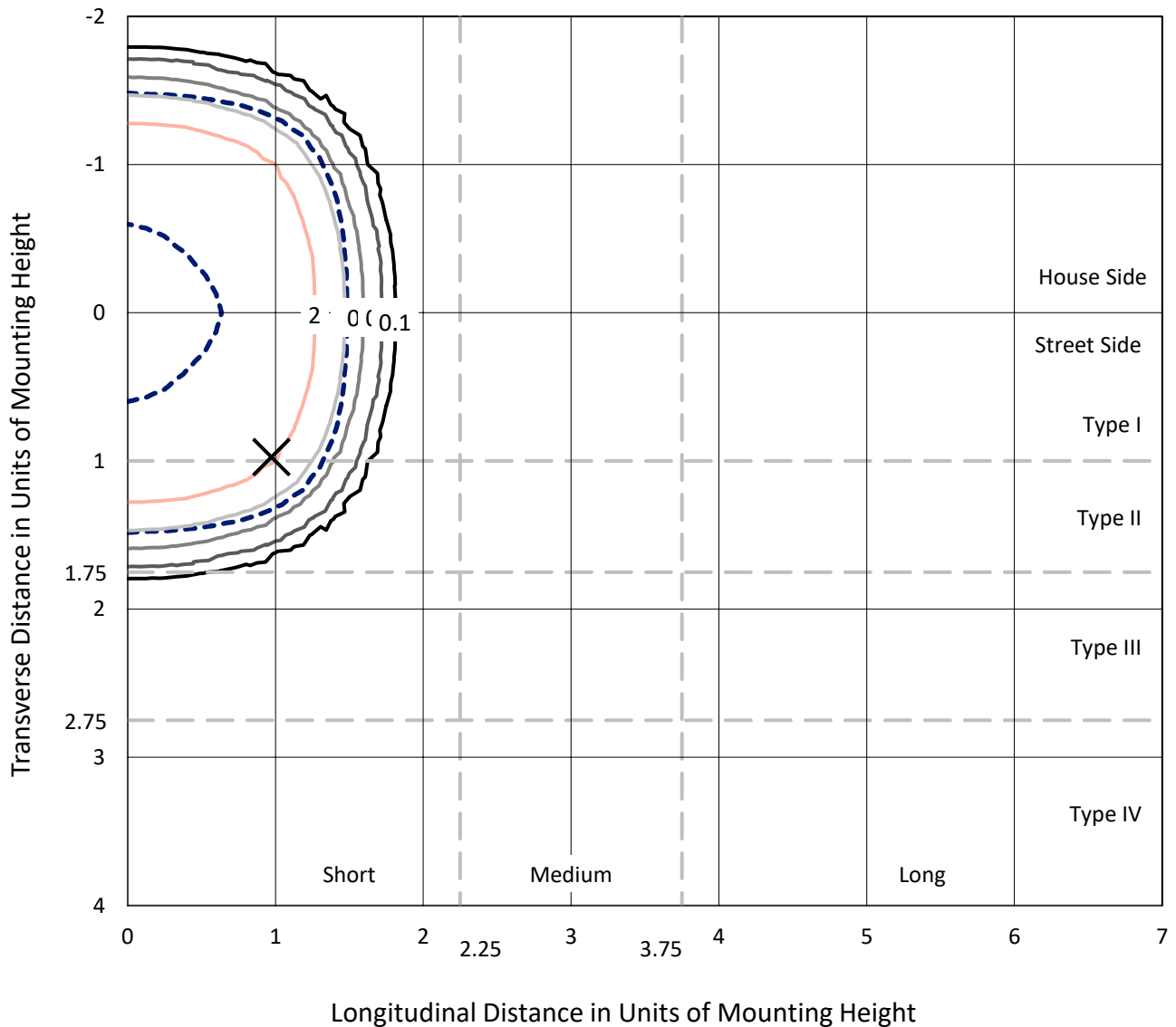
Input Watts (W): 160  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

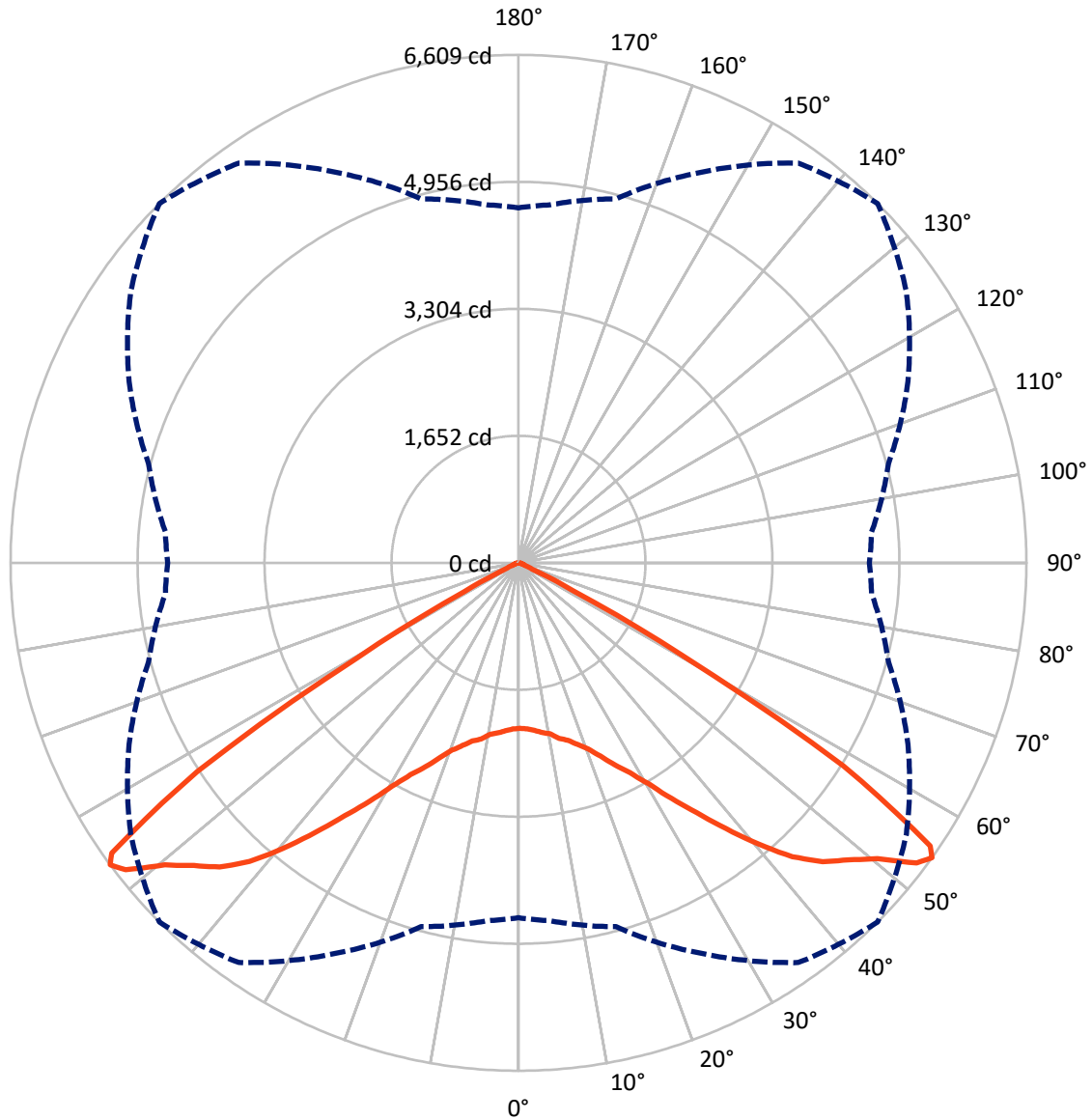
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.5 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral      - - - Horizontal Cone Through 54-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	6565.0	0.0	6565.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	6565.0	0.0	6565.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	13130.0	0.0	13130.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	210.7	1.6
10°-20°	682.4	5.2
20°-30°	1337.4	10.2
30°-40°	2405.0	18.3
40°-50°	4116.9	31.4
50°-60°	3983.5	30.3
60°-70°	341.0	2.6
70°-80°	40.4	0.3
80°-90°	12.7	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°	13130.0	100.0
0°-180°	13130.0	100.0

**Coefficient of Utilization**



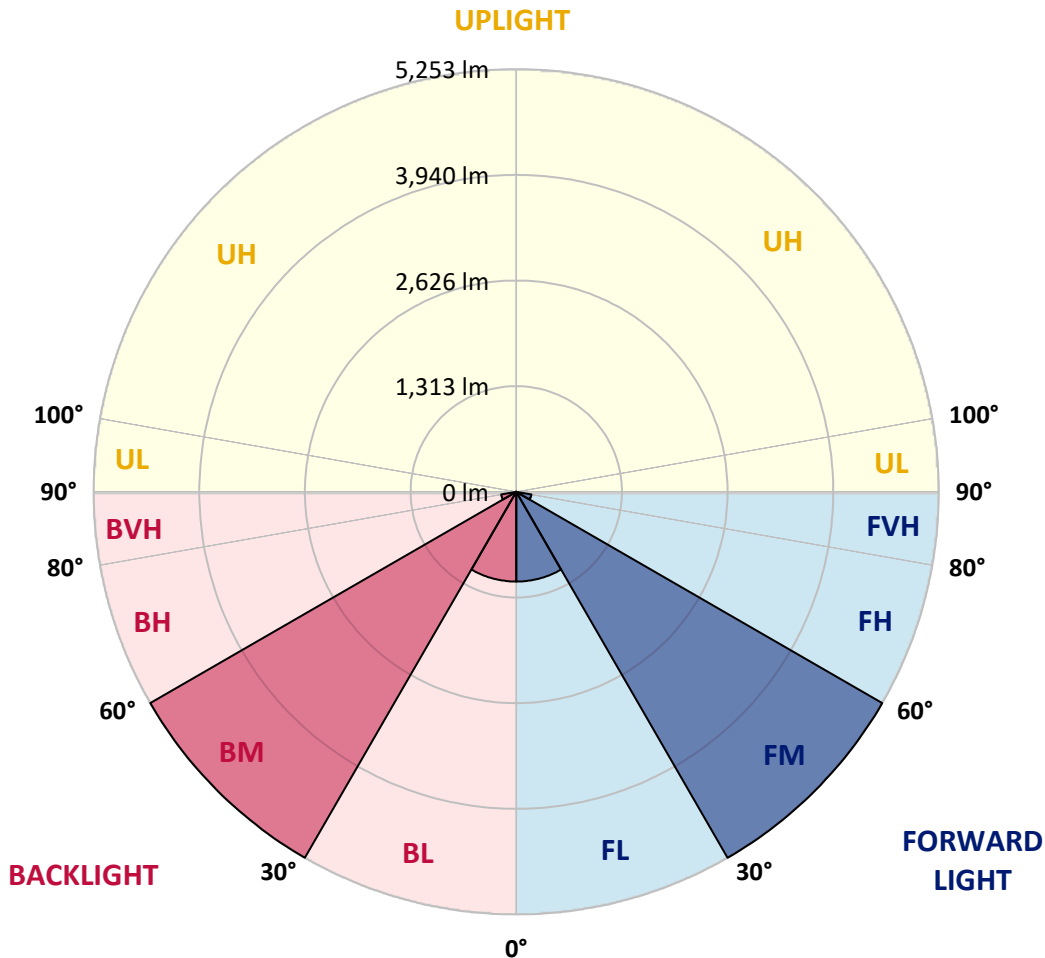
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1115.3	8.5			
FM (30°-60°)	5252.7	40.0			
FH (60°-80°)	190.7	1.5			G0/660
FVH (80°-90°)	6.3	0.0			G0/10
BL (0°-30°)	1115.3	8.5	B3/2500		
BM (30°-60°)	5252.7	40.0	B4/8500		
BH (60°-80°)	190.7	1.5	B1/500		G0/660
BVH (80°-90°)	6.3	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G0**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2152.9	2152.9	2152.9	2152.9	2152.9	2152.9	2152.9	2152.9	2152.9	2152.9	2152.9
2.5°	2163.3	2175.8	2167.5	2173.7	2173.7	2163.3	2169.6	2144.6	2161.2	2148.8	2150.8
5°	2196.6	2194.5	2194.5	2196.6	2188.3	2192.4	2184.1	2175.8	2169.6	2161.2	2186.2
7.5°	2238.2	2238.2	2223.6	2227.8	2223.6	2229.9	2213.2	2196.6	2190.4	2184.1	2180.0
10°	2277.7	2273.6	2267.3	2286.0	2271.5	2263.2	2254.8	2244.4	2221.6	2213.2	2204.9
12.5°	2336.0	2333.9	2325.6	2344.3	2336.0	2344.3	2313.1	2286.0	2281.9	2254.8	2269.4
15°	2404.6	2423.3	2408.8	2408.8	2404.6	2394.2	2381.7	2369.2	2331.8	2321.4	2323.5
17.5°	2494.0	2487.8	2489.9	2489.9	2510.7	2483.6	2458.7	2427.5	2408.8	2402.5	2381.7
20°	2579.3	2587.7	2585.6	2600.1	2612.6	2583.5	2556.5	2552.3	2500.3	2508.6	2479.5
22.5°	2729.1	2722.9	2733.3	2743.7	2735.3	2731.2	2706.2	2675.0	2629.3	2608.5	2604.3
25°	2887.2	2876.8	2858.1	2883.0	2895.5	2914.2	2866.4	2849.7	2779.0	2747.8	2749.9
27.5°	3022.4	3037.0	3057.8	3068.2	3099.4	3093.1	3059.8	3005.8	2951.7	2916.3	2893.4
30°	3207.5	3215.8	3251.2	3265.8	3319.9	3334.4	3282.4	3220.0	3124.3	3078.6	3051.5
32.5°	3378.1	3436.3	3434.3	3507.1	3594.4	3654.7	3561.1	3465.5	3369.8	3315.7	3267.8
35°	3654.7	3644.3	3704.7	3781.6	3923.1	3991.7	3889.8	3779.6	3633.9	3546.6	3509.1
37.5°	3912.7	3916.8	3998.0	4120.7	4282.9	4389.0	4299.6	4118.6	3968.8	3856.5	3804.5
40°	4287.1	4295.4	4378.6	4518.0	4701.0	4815.4	4711.4	4528.4	4328.7	4241.3	4241.3
42.5°	4726.0	4761.4	4815.4	4936.1	5100.4	5227.3	5133.7	4990.2	4788.4	4676.1	4692.7
45°	5177.4	5194.0	5229.4	5408.3	5485.2	5547.6	5460.3	5393.7	5258.5	5121.2	5098.3
47.5°	5599.6	5605.9	5709.9	5766.1	5826.4	5774.4	5830.5	5743.2	5591.3	5458.2	5431.2
50°	5786.9	5776.5	5924.1	6094.7	6140.5	6049.0	6001.1	5942.9	5712.0	5551.8	5481.1
52.5°	5241.9	5302.2	5576.8	6051.0	6408.8	6485.8	6207.0	5938.7	5508.1	5196.1	5148.3
54°	4617.8	4674.0	4900.7	5603.8	6348.5	6608.5	6159.2	5589.2	4981.9	4611.6	4563.8
55°	4000.0	3937.6	4349.5	5067.1	6065.6	6500.3	5969.9	5137.9	4443.1	4104.1	4037.5
57.5°	2165.4	2175.8	2523.2	3201.3	4262.1	4983.9	4401.5	3475.9	2625.1	2244.4	2211.2
60°	686.4	703.1	854.9	1293.8	2036.4	2431.6	2084.3	1395.8	965.2	773.8	742.6
62.5°	214.3	222.6	243.4	361.9	557.5	796.7	624.0	374.4	278.7	255.9	260.0
65°	131.0	131.0	133.1	141.4	166.4	193.4	187.2	164.3	158.1	153.9	151.8
67.5°	85.3	83.2	87.4	93.6	97.8	99.8	106.1	112.3	110.2	106.1	106.1
70°	52.0	49.9	54.1	62.4	64.5	68.6	74.9	83.2	81.1	77.0	79.0
72.5°	29.1	29.1	31.2	37.4	43.7	47.8	54.1	60.3	62.4	60.3	60.3
75°	10.4	12.5	16.6	22.9	27.0	33.3	39.5	45.8	52.0	47.8	45.8
77.5°	4.2	4.2	8.3	14.6	20.8	27.0	37.4	43.7	47.8	43.7	39.5
80°	2.1	2.1	6.2	12.5	18.7	25.0	31.2	37.4	39.5	35.4	31.2
82.5°	2.1	2.1	6.2	12.5	18.7	22.9	33.3	37.4	41.6	37.4	31.2
85°	0.0	2.1	6.2	12.5	16.6	18.7	18.7	12.5	10.4	6.2	6.2
87.5°	0.0	0.0	2.1	0.0	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)