

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: P527468

Luminaire Tested: **GALN-SA2C-730-U-5MQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P527468
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-4)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA2C-730-U-5MQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 70 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V
MEDIUM OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11365 lumens
Efficiency: N/A
Efficacy: 105.2 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

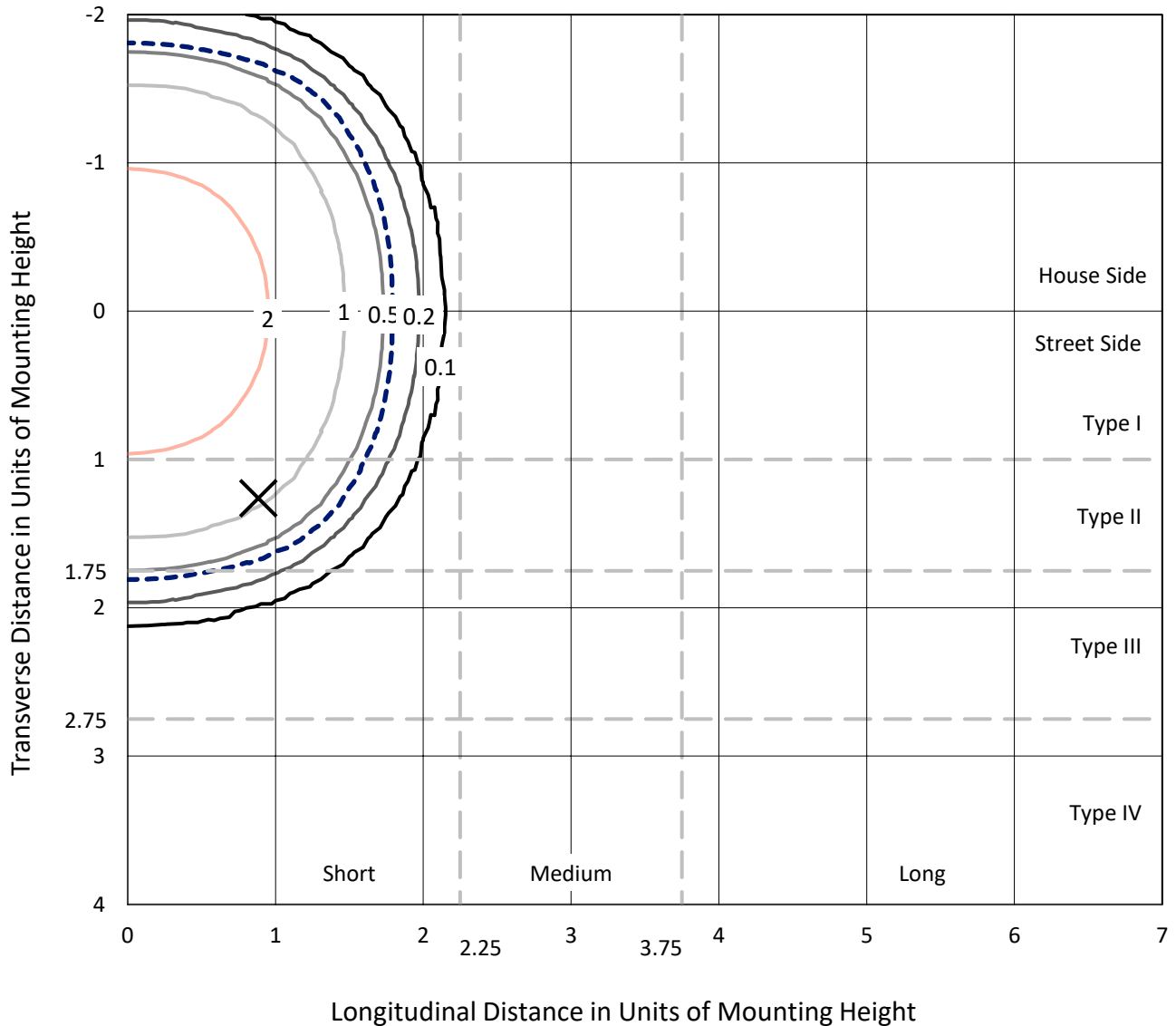
Input Watts (W): 108
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

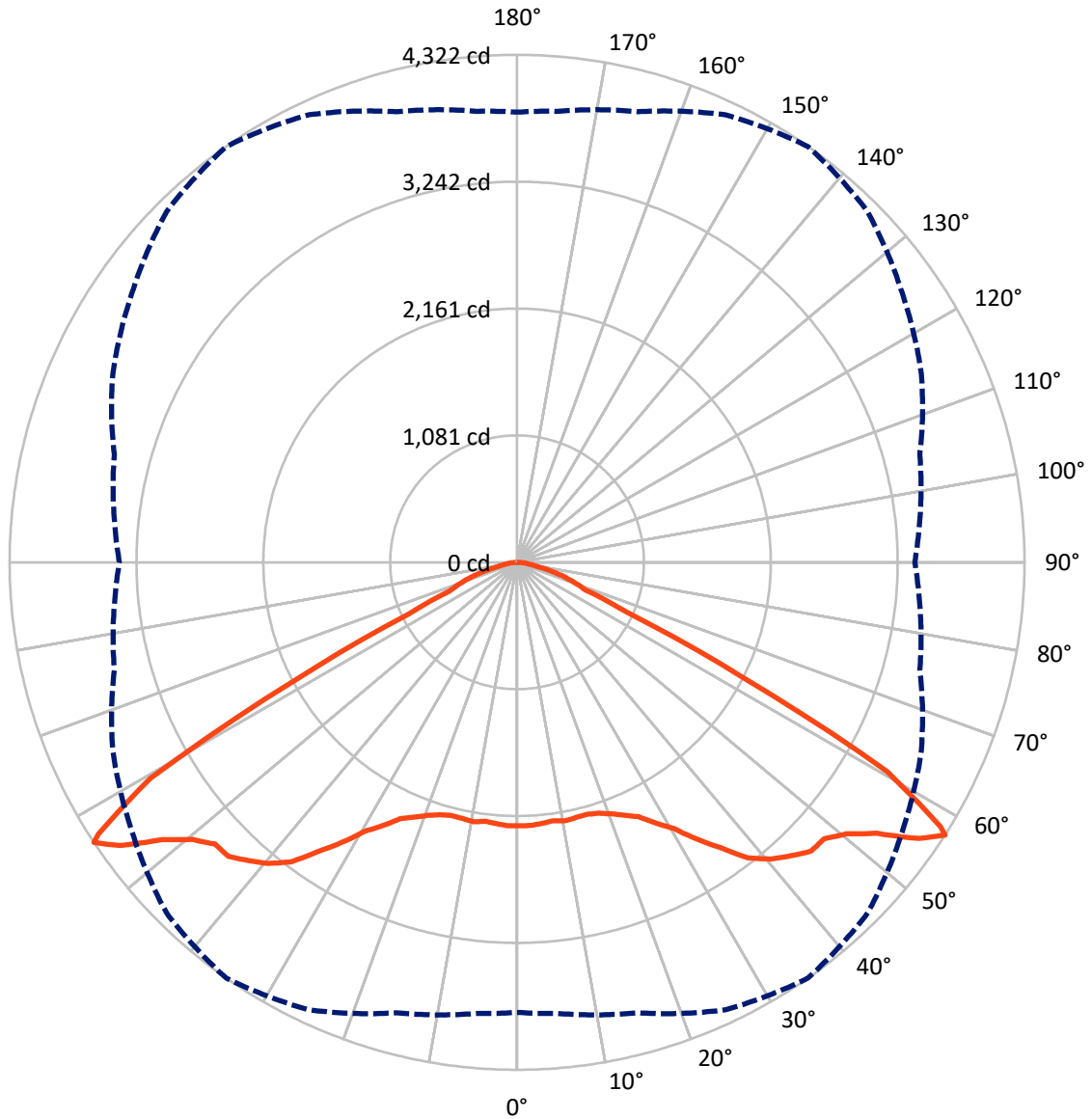
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.6 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 57-Deg Vertical

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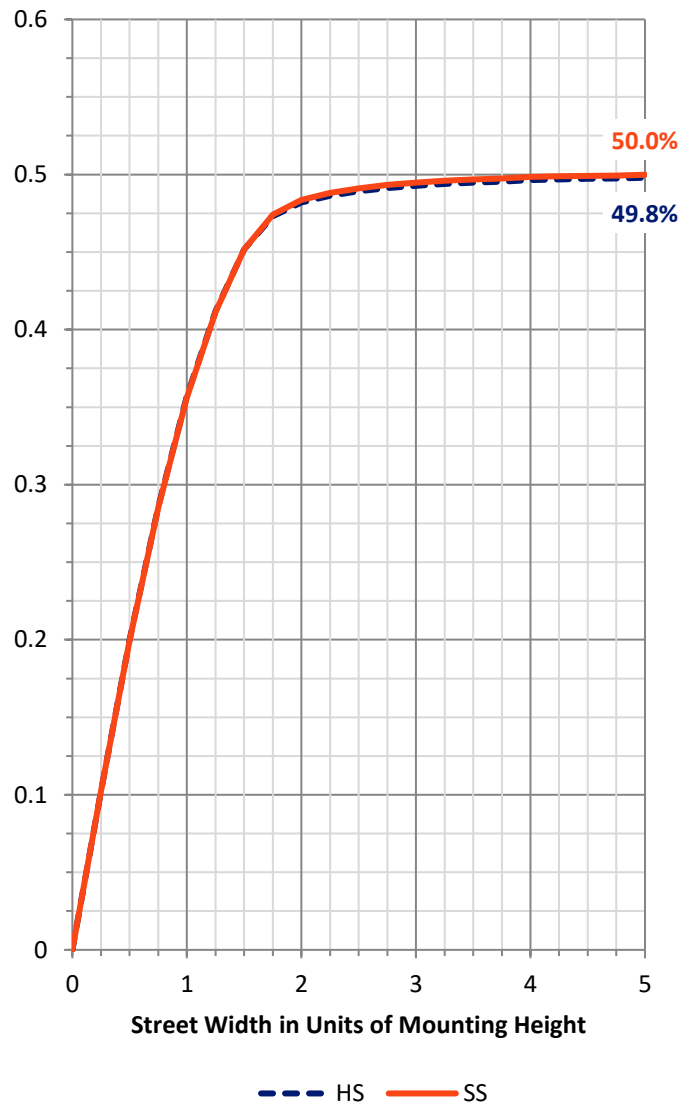
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5682.5	0.0	5682.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5682.5	0.0	5682.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	11365.0	0.0	11365.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	212.8	1.9
10°-20°	630.2	5.5
20°-30°	1100.7	9.7
30°-40°	1803.5	15.9
40°-50°	2644.3	23.3
50°-60°	3330.7	29.3
60°-70°	1252.7	11.0
70°-80°	333.1	2.9
80°-90°	57.1	0.5
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°	11365.0	100.0
0°-180°	11365.0	100.0

Coefficient of Utilization



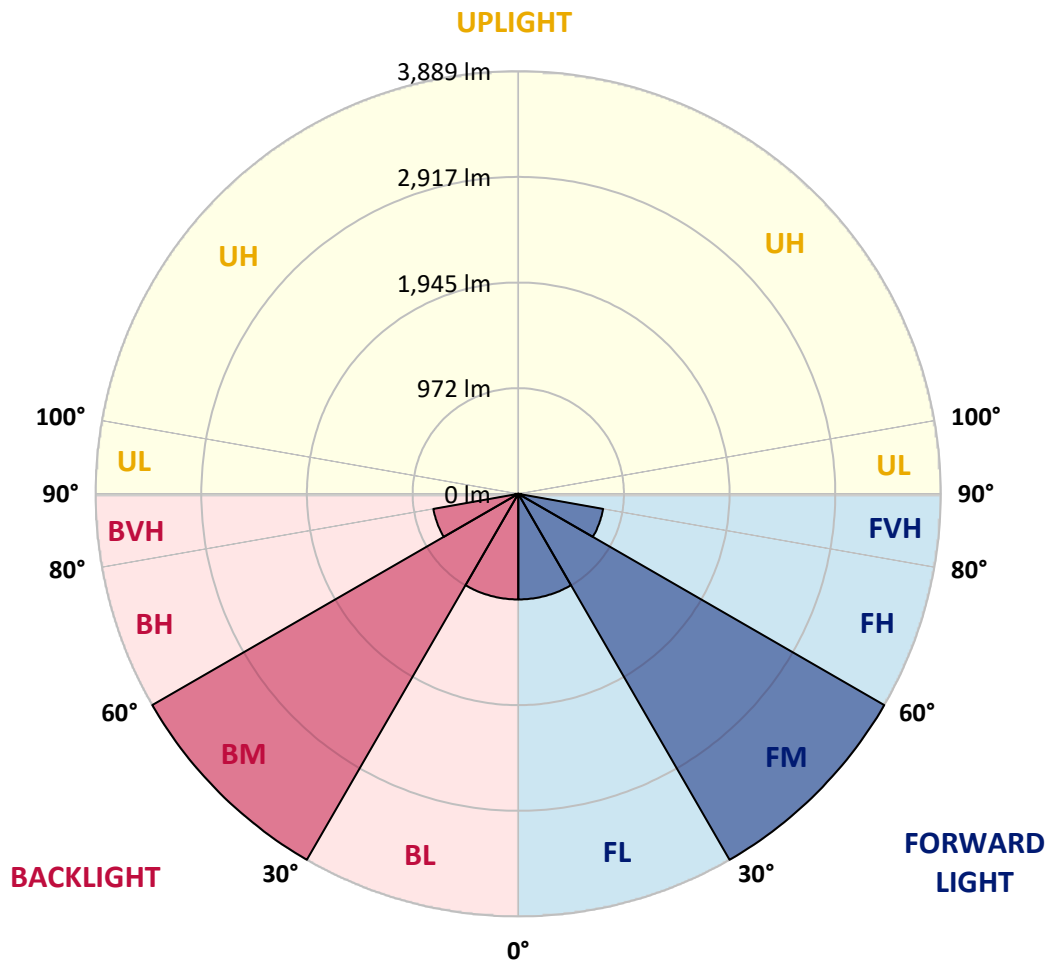
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	971.8	8.6			
FM (30°-60°)	3889.3	34.2			
FH (60°-80°)	792.9	7.0			G1/1800
FVH (80°-90°)	28.6	0.3			G1/100
BL (0°-30°)	971.8	8.6	B2/1000		
BM (30°-60°)	3889.3	34.2	B3/5000		
BH (60°-80°)	792.9	7.0	B2/1000		G1/1800
BVH (80°-90°)	28.6	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2244.5	2244.5	2244.5	2244.5	2244.5	2244.5	2244.5	2244.5	2244.5	2244.5	2244.5
2.5°	2233.3	2255.7	2245.9	2240.3	2244.5	2237.5	2226.3	2238.9	2236.1	2224.9	2220.7
5°	2227.7	2244.5	2233.3	2244.5	2233.3	2252.9	2247.3	2226.3	2251.5	2227.7	2236.1
7.5°	2223.5	2229.1	2231.9	2226.3	2222.1	2245.9	2233.3	2223.5	2209.5	2205.3	2212.3
10°	2213.7	2227.7	2206.7	2234.7	2240.3	2223.5	2223.5	2205.3	2194.1	2187.1	2210.9
12.5°	2238.9	2215.1	2212.3	2226.3	2230.5	2237.5	2217.9	2208.1	2187.1	2189.9	2185.7
15°	2209.5	2219.3	2220.7	2223.5	2227.7	2244.5	2226.3	2205.3	2196.9	2167.5	2170.3
17.5°	2220.7	2210.9	2220.7	2252.9	2247.3	2259.9	2240.3	2208.1	2188.5	2171.7	2194.1
20°	2240.3	2236.1	2240.3	2279.5	2286.5	2297.7	2280.9	2251.5	2213.7	2194.1	2205.3
22.5°	2261.3	2258.5	2261.3	2299.1	2339.7	2353.7	2336.9	2268.3	2248.7	2212.3	2199.7
25°	2299.1	2301.9	2331.3	2373.3	2399.9	2426.5	2395.7	2346.7	2283.7	2261.3	2234.7
27.5°	2383.1	2390.1	2406.9	2468.5	2514.7	2538.5	2495.1	2427.9	2388.7	2342.5	2335.5
30°	2486.7	2486.7	2516.1	2569.3	2632.4	2668.8	2615.6	2535.7	2488.1	2462.9	2447.5
32.5°	2624.0	2608.6	2619.8	2713.6	2811.6	2842.4	2771.0	2673.0	2597.4	2563.7	2552.5
35°	2741.6	2751.4	2776.6	2877.4	2986.6	3058.0	2946.0	2818.6	2741.6	2710.8	2705.2
37.5°	2894.2	2911.0	2923.6	3062.2	3193.8	3220.4	3112.6	3010.4	2916.6	2891.4	2877.4
40°	3109.8	3098.6	3102.8	3205.0	3324.0	3340.9	3234.4	3161.6	3084.6	3069.2	3069.2
42.5°	3287.6	3275.0	3289.0	3326.9	3417.9	3405.3	3346.5	3293.2	3261.0	3244.2	3261.0
45°	3395.5	3392.7	3417.9	3445.9	3510.3	3468.3	3422.1	3430.5	3399.7	3371.7	3370.3
47.5°	3513.1	3494.9	3525.7	3567.7	3518.7	3499.1	3496.3	3514.5	3504.7	3455.7	3440.3
50°	3570.5	3563.5	3612.5	3661.5	3634.9	3590.1	3599.9	3629.3	3503.3	3437.5	3399.7
52.5°	3724.5	3725.9	3819.7	3846.3	3835.1	3769.3	3790.3	3710.5	3562.1	3469.7	3473.9
55°	3966.7	3956.9	4061.9	4140.4	4153.0	4069.0	3968.1	3856.1	3669.9	3576.1	3548.1
57°	3833.7	3856.1	3972.3	4204.8	4322.4	4223.0	4003.1	3798.7	3550.9	3437.5	3387.1
57.5°	3655.9	3692.3	3893.9	4127.8	4251.0	4242.6	3959.7	3692.3	3471.1	3294.6	3298.8
60°	2678.6	2685.6	2867.6	3238.6	3623.7	3632.1	3287.6	2933.4	2687.0	2495.1	2521.7
62.5°	1412.8	1445.0	1517.8	1816.0	2149.3	2230.5	2021.9	1839.8	1627.0	1481.4	1495.4
65°	747.7	743.5	778.5	862.5	1026.3	1068.3	1040.3	896.1	821.9	798.1	799.5
67.5°	607.7	614.7	610.5	614.7	625.9	644.1	639.9	645.5	649.7	656.7	655.3
70°	515.3	515.3	518.1	519.5	519.5	527.9	537.7	555.9	557.3	564.3	567.1
72.5°	406.1	403.3	407.5	417.3	418.7	425.7	439.7	450.9	455.1	455.1	446.7
75°	275.8	278.6	284.2	292.6	301.0	313.6	324.8	331.8	334.6	330.4	326.2
77.5°	155.4	158.2	162.4	175.0	184.8	196.0	208.6	215.6	222.6	224.0	215.6
80°	92.4	92.4	99.4	109.2	120.4	131.6	142.8	151.2	154.0	154.0	149.8
82.5°	56.0	57.4	63.0	72.8	82.6	89.6	99.4	106.4	112.0	110.6	107.8
85°	29.4	29.4	35.0	43.4	50.4	57.4	57.4	53.2	50.4	43.4	40.6
87.5°	9.8	8.4	11.2	11.2	9.8	11.2	11.2	12.6	12.6	12.6	12.6
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)