

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: P531241

Luminaire Tested: **GALN-SA6C-735-U-5WQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P531241
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-1)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA6C-735-U-5WQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 3500K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 20258 lumens
Efficiency: N/A
Efficacy: 63.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

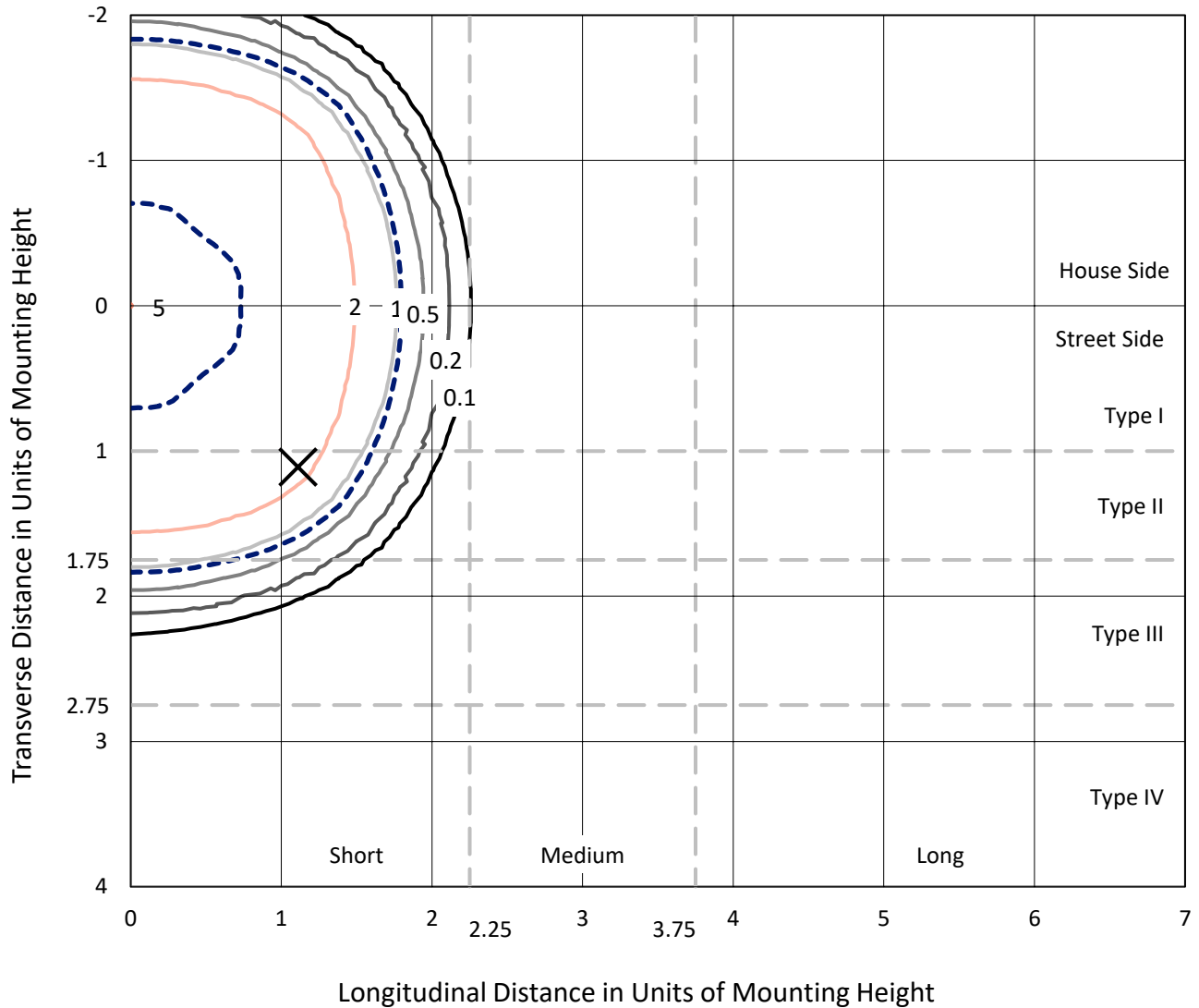
Input Watts (W): 321
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

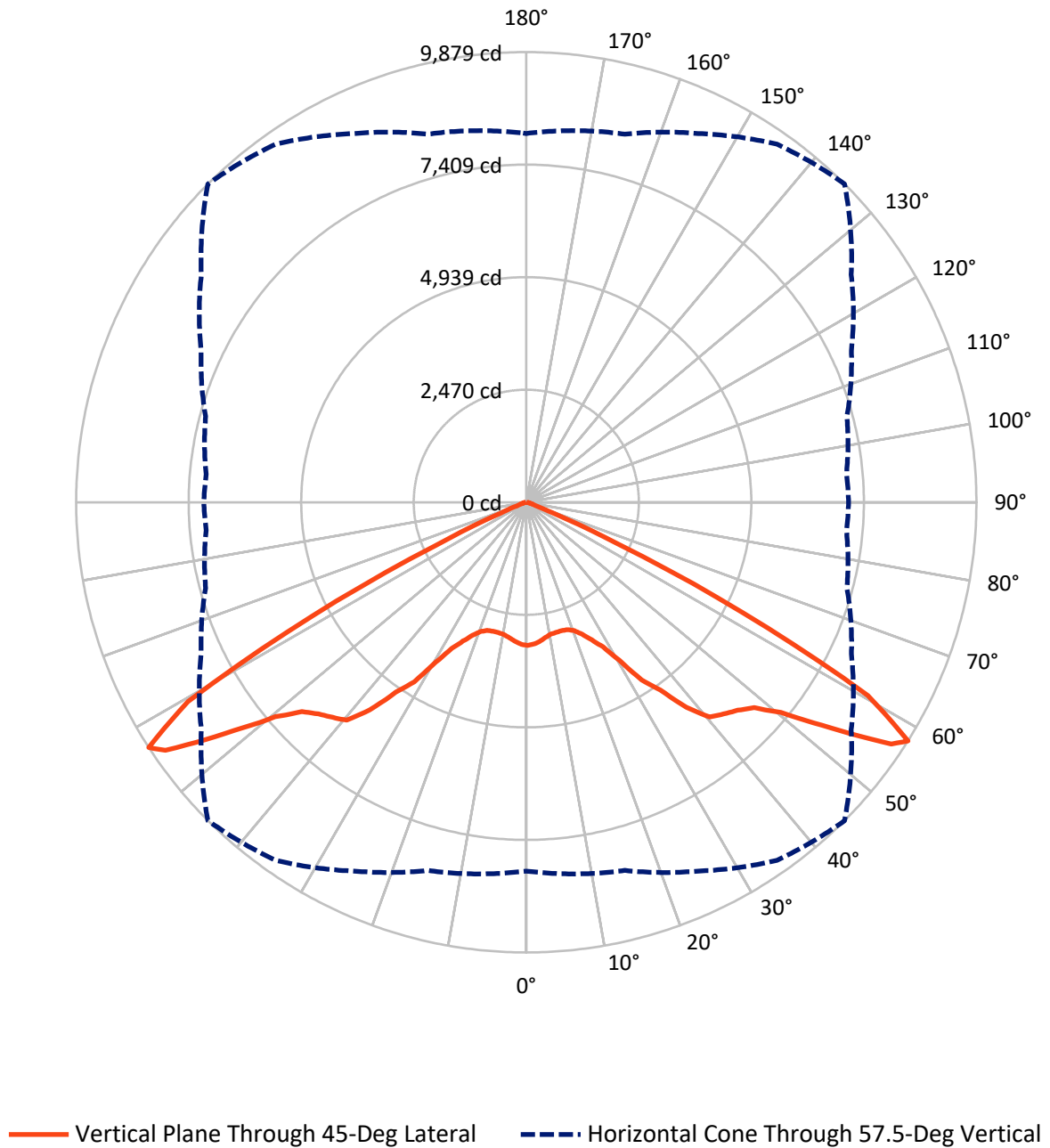
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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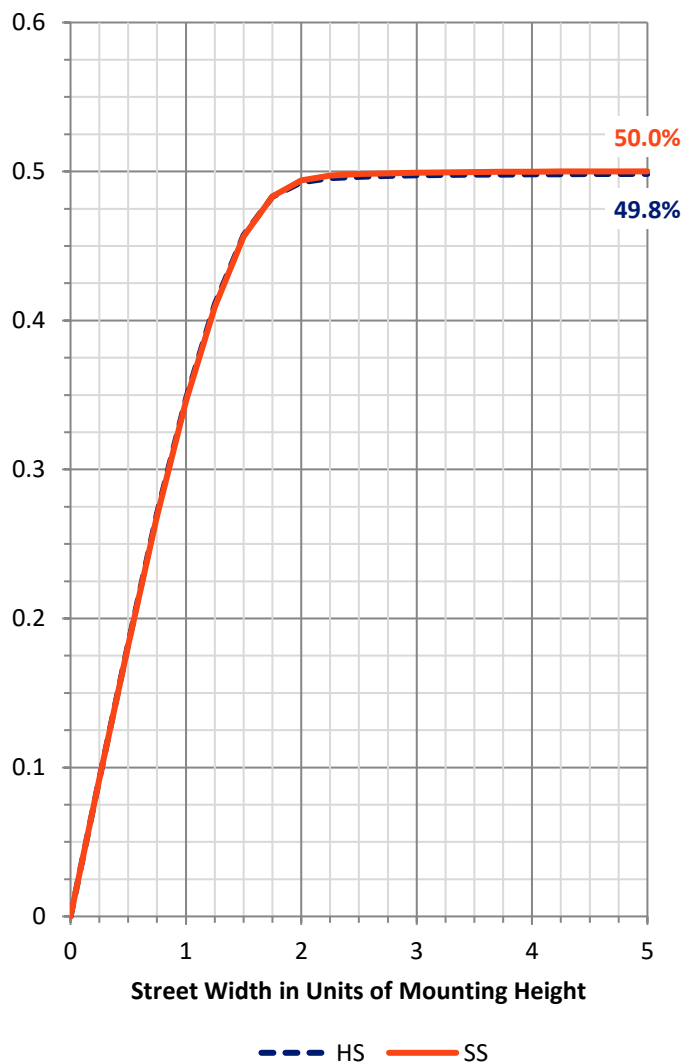
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10129.0	0.0	10129.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	10129.0	0.0	10129.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	20258.0	0.0	20258.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	288.7	1.4
10°-20°	834.6	4.1
20°-30°	1540.6	7.6
30°-40°	3029.8	15.0
40°-50°	4934.7	24.4
50°-60°	7037.6	34.7
60°-70°	2436.6	12.0
70°-80°	130.7	0.6
80°-90°	24.5	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°	20258.0	100.0
0°-180°	20258.0	100.0

Coefficient of Utilization



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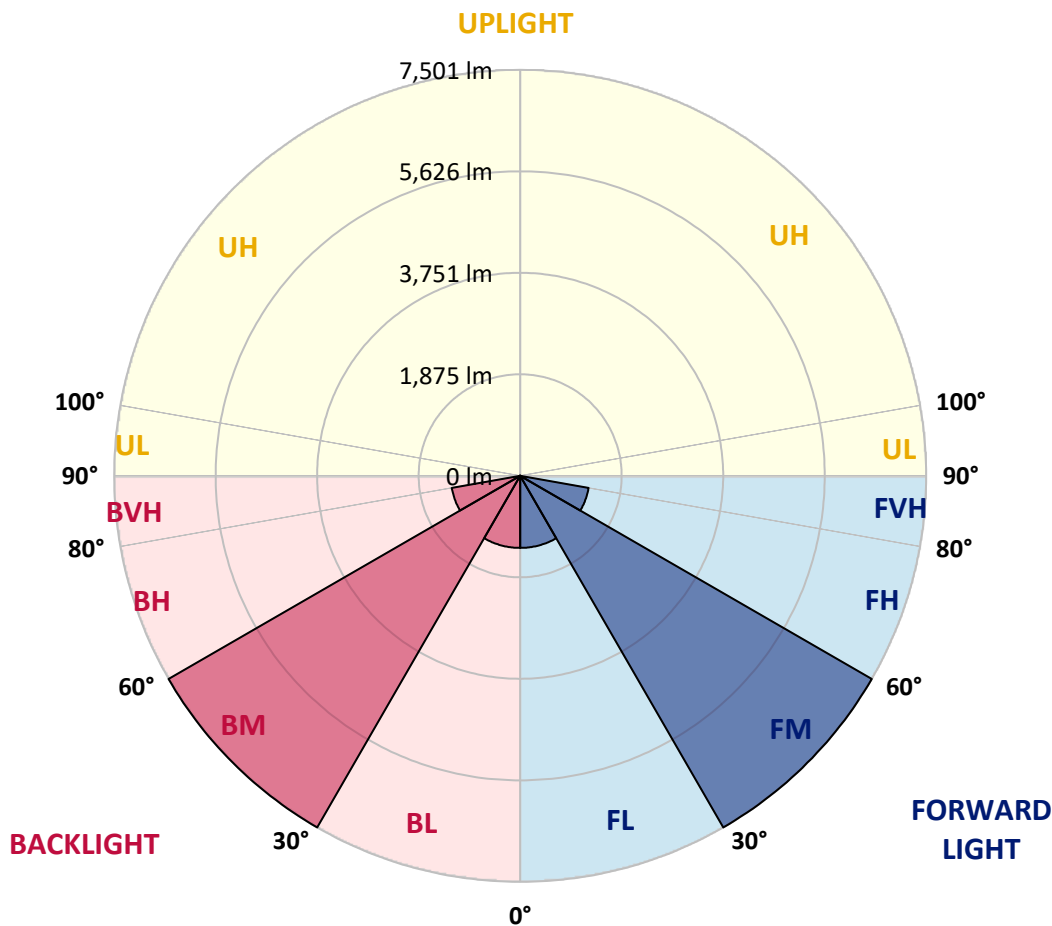
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1332.0	6.6			
FM (30°-60°)	7501.1	37.0			
FH (60°-80°)	1283.6	6.3			G1/1800
FVH (80°-90°)	12.3	0.1			G1/100
BL (0°-30°)	1332.0	6.6	B3/2500		
BM (30°-60°)	7501.1	37.0	B4/8500		
BH (60°-80°)	1283.6	6.3	B3/2500		G1/1800
BVH (80°-90°)	12.3	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°	3142.2	3142.2	3142.2	3142.2	3142.2	3142.2	3142.2	3142.2	3142.2	3142.2	3142.2
2.5°	3133.8	3150.7	3129.6	3121.1	3116.9	3116.9	3104.2	3104.2	3100.0	3104.2	3087.3
5°	3083.1	3100.0	3100.0	3095.8	3070.4	3066.2	3053.5	3045.1	3049.3	3032.4	3045.1
7.5°	3032.4	3045.1	3028.2	3024.0	3015.5	2998.6	2994.4	2956.4	2960.6	2960.6	2969.1
10°	3024.0	3019.7	2994.4	2973.3	2948.0	2943.7	2931.1	2922.6	2922.6	2918.4	2931.1
12.5°	3024.0	3002.9	2998.6	2952.2	2909.9	2926.8	2893.0	2871.9	2901.5	2909.9	2926.8
15°	3019.7	3040.9	2969.1	2948.0	2918.4	2922.6	2893.0	2871.9	2888.8	2897.3	2909.9
17.5°	3045.1	3032.4	3011.3	2969.1	2956.4	2939.5	2901.5	2884.6	2884.6	2905.7	2909.9
20°	3112.7	3078.9	3036.6	3015.5	3028.2	3007.1	2960.6	2897.3	2914.2	2931.1	2943.7
22.5°	3176.0	3150.7	3121.1	3108.4	3180.2	3146.5	3066.2	2994.4	2969.1	2998.6	3019.7
25°	3298.5	3298.5	3243.6	3260.5	3340.7	3345.0	3252.0	3125.3	3108.4	3121.1	3129.6
27.5°	3547.7	3560.3	3513.9	3530.8	3564.6	3594.1	3513.9	3408.3	3370.3	3366.1	3378.7
30°	3818.0	3843.3	3839.1	3910.9	4008.0	4024.9	3906.7	3733.5	3619.5	3598.4	3615.3
32.5°	4172.7	4185.4	4177.0	4261.4	4523.3	4645.8	4337.5	4092.5	3940.5	3978.5	3940.5
35°	4840.0	4827.4	4734.5	4751.4	4966.7	5055.4	4759.8	4603.5	4531.7	4607.8	4590.9
37.5°	5414.4	5368.0	5292.0	5401.8	5625.6	5705.8	5397.5	5123.0	4992.1	5118.8	5173.7
40°	5900.1	5781.9	5676.3	5786.1	6086.0	6195.8	5743.9	5520.0	5469.3	5562.3	5680.5
42.5°	6309.8	6233.8	6094.4	6102.8	6301.3	6352.0	5988.8	5857.9	5807.2	5955.0	6014.2
45°	6601.2	6529.4	6398.5	6390.0	6542.1	6508.3	6183.1	6094.4	6124.0	6221.1	6250.7
47.5°	6749.0	6787.0	6711.0	6732.1	6812.4	6732.1	6474.5	6474.5	6406.9	6466.1	6436.5
50°	7175.6	7057.3	7154.5	7154.5	7238.9	7247.4	6989.8	6896.9	6715.2	6613.9	6613.9
52.5°	7674.0	7682.4	7720.4	7859.8	8003.4	8125.9	7758.4	7361.4	7057.3	6926.4	6909.5
55°	8083.6	8168.1	8320.1	8582.0	8995.9	9164.8	8531.3	7821.8	7450.1	7247.4	7205.2
56°	8307.5	8227.2	8489.1	8848.1	9388.7	9608.3	8658.0	7914.7	7505.0	7277.0	7272.7
57.5°	8092.1	8180.8	8362.4	8928.3	9591.4	9878.6	8704.5	7872.5	7285.4	7053.1	7074.2
60°	6390.0	6474.5	6719.5	7353.0	8391.9	8615.8	7365.7	6491.4	5967.7	5634.0	5638.3
62.5°	3615.3	3678.6	3868.7	4455.7	5101.9	5317.3	4590.9	4008.0	3644.8	3459.0	3399.9
65°	1330.4	1305.0	1334.6	1634.5	2031.5	2213.1	1909.0	1613.3	1423.3	1355.7	1330.4
67.5°	498.4	460.4	430.8	460.4	578.6	612.4	561.7	468.8	439.2	451.9	460.4
70°	308.3	291.4	232.3	219.6	215.4	211.2	223.8	236.5	270.3	316.8	325.2
72.5°	215.4	202.7	164.7	156.3	147.8	143.6	164.7	181.6	211.2	245.0	249.2
75°	84.5	88.7	84.5	92.9	97.1	101.4	118.3	130.9	143.6	143.6	139.4
77.5°	16.9	16.9	25.3	33.8	42.2	54.9	80.2	92.9	97.1	92.9	80.2
80°	0.0	0.0	8.4	16.9	33.8	46.5	71.8	80.2	88.7	80.2	63.4
82.5°	0.0	0.0	8.4	21.1	33.8	42.2	67.6	84.5	97.1	88.7	67.6
85°	0.0	0.0	8.4	16.9	25.3	29.6	29.6	21.1	21.1	12.7	8.4
87.5°	0.0	0.0	0.0	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)