

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: P529916

Luminaire Tested: **GALN-SA5A-760-U-5WQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P529916
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-2)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA5A-760-U-5WQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(5) 70 CRI, 5700K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19429 lumens
Efficiency: N/A
Efficacy: 126.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

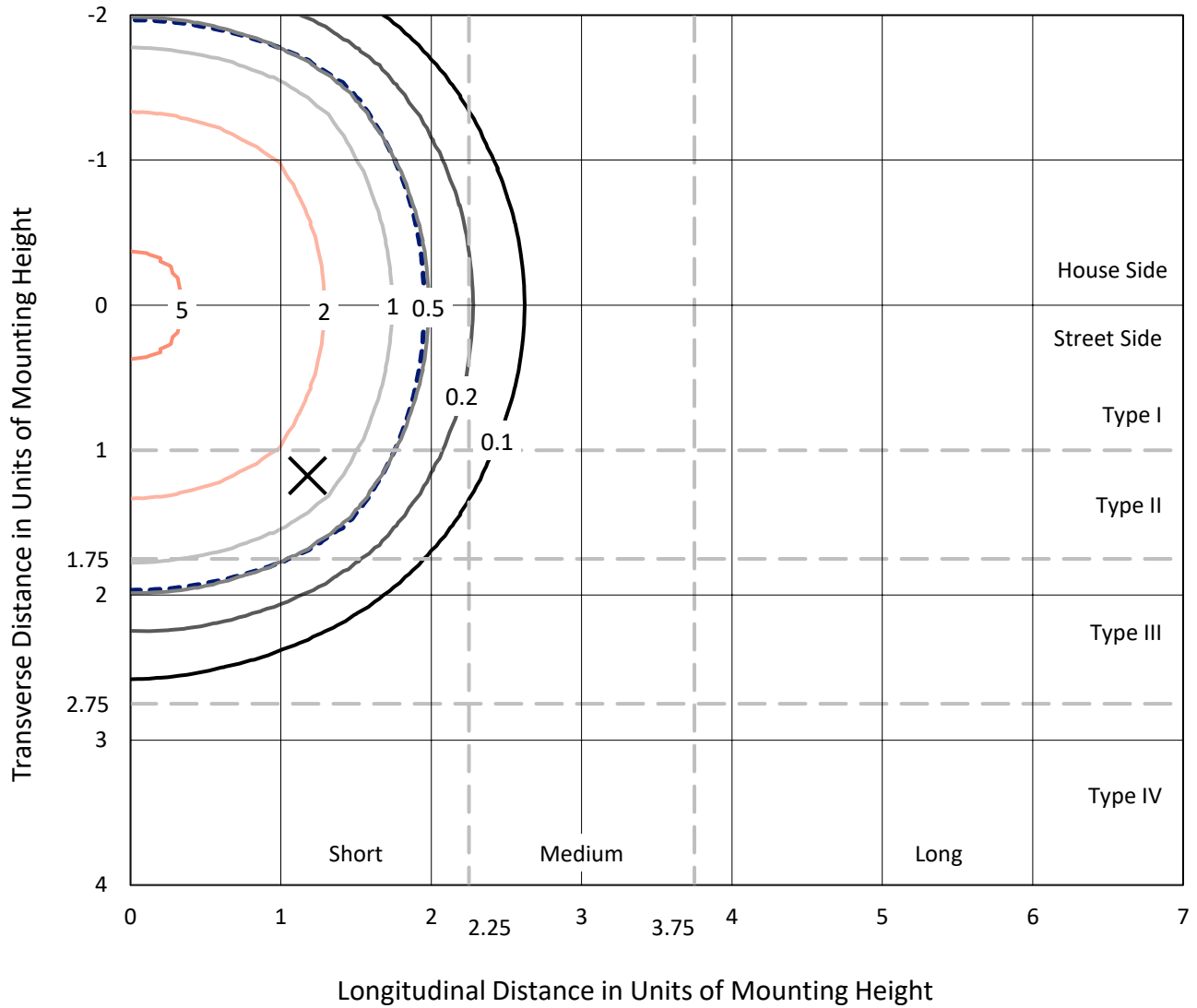
Input Watts (W): 154
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P529916
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Iso-Footcandle Lines of Horizontal Illumination

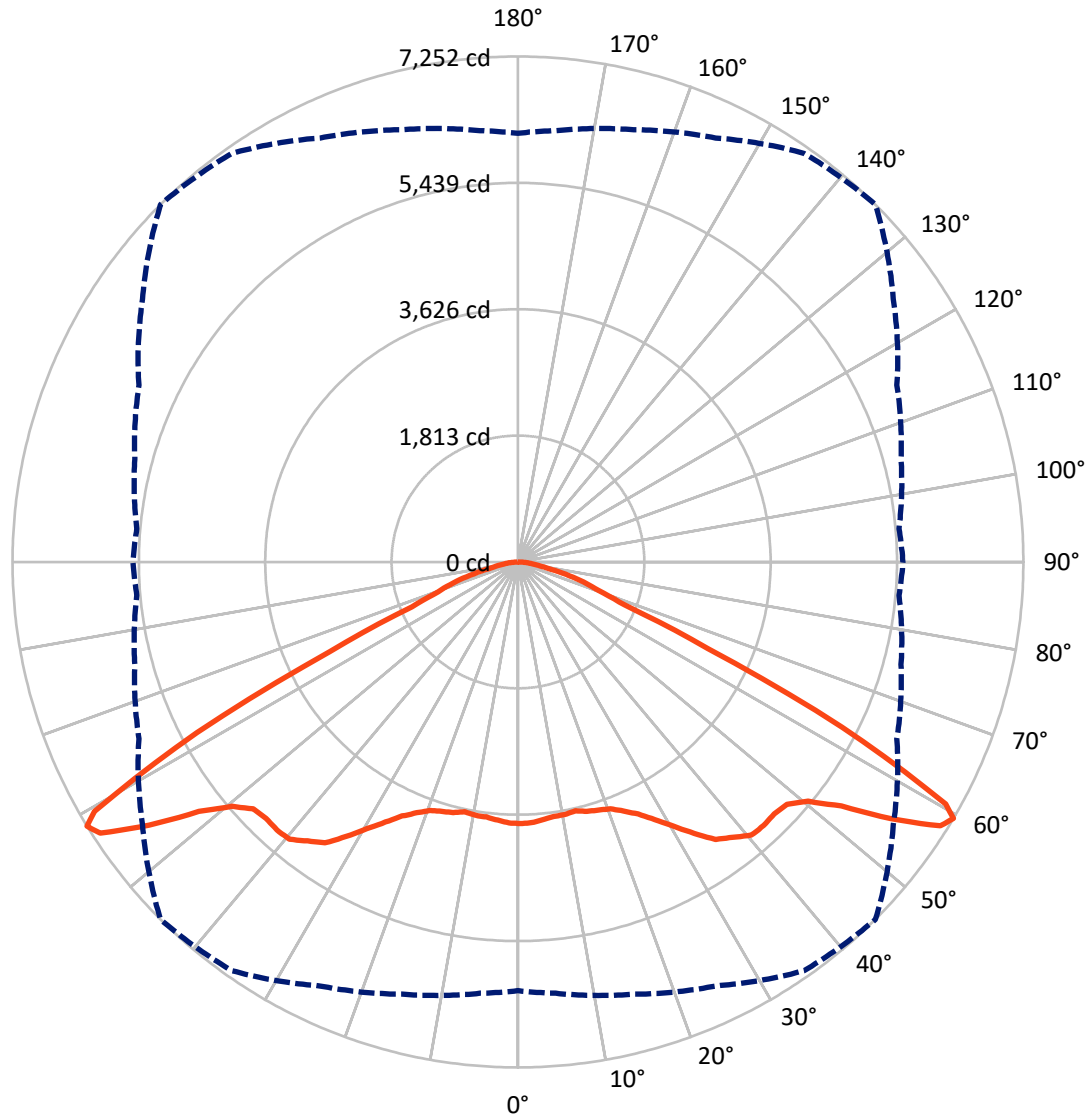
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6 fc
 Type V - Short - N/A

REPORT NUMBER: P529916
CATALOG NUMBER: GALN-SA5A-760-U-5WQ-GRSWH

Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 59-Deg Vertical

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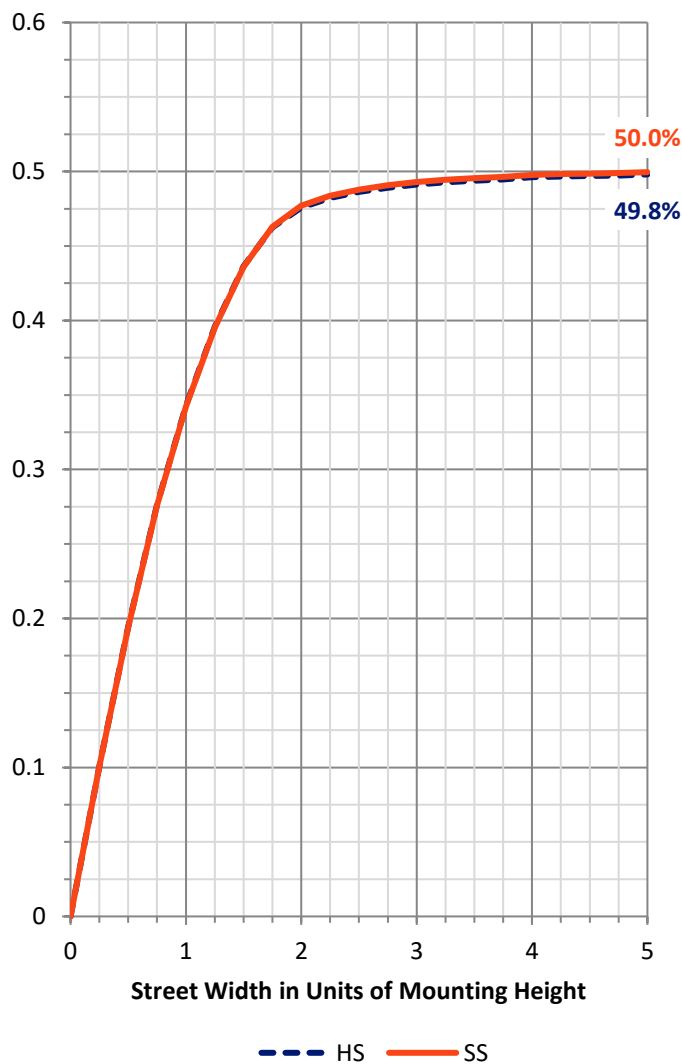
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9714.5	0.0	9714.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9714.5	0.0	9714.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	19429.0	0.0	19429.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	353.8	1.8
10°-20°	1052.0	5.4
20°-30°	1837.0	9.5
30°-40°	2933.9	15.1
40°-50°	3996.6	20.6
50°-60°	5404.4	27.8
60°-70°	2963.8	15.3
70°-80°	758.2	3.9
80°-90°	129.3	0.7
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°	19429.0	100.0
0°-180°	19429.0	100.0

Coefficient of Utilization



REPORT NUMBER: P529916

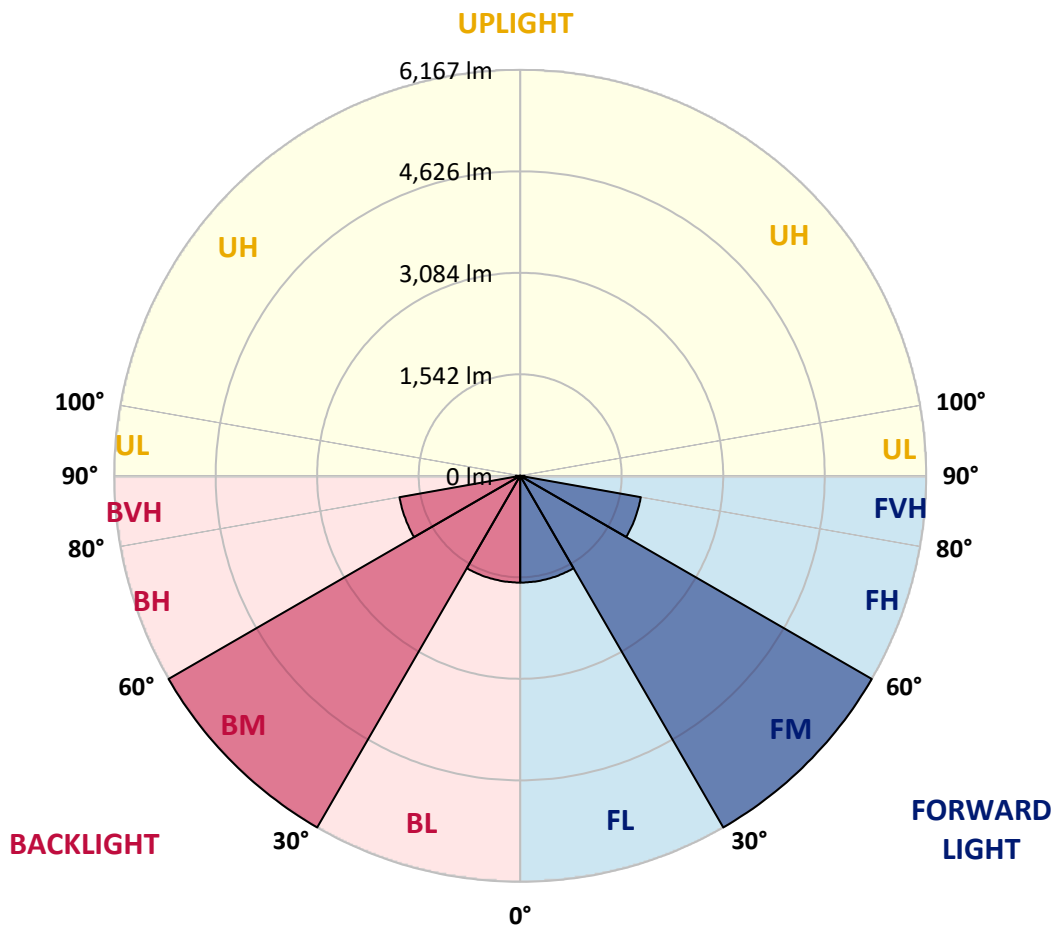
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1621.4	8.3			
FM (30°-60°)	6167.4	31.7			
FH (60°-80°)	1861.0	9.6			G2/5000
FVH (80°-90°)	64.7	0.3			G1/100
BL (0°-30°)	1621.4	8.3	B3/2500		
BM (30°-60°)	6167.4	31.7	B4/8500		
BH (60°-80°)	1861.0	9.6	B3/2500		G2/5000
BVH (80°-90°)	64.7	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3752.8	3752.8	3752.8	3752.8	3752.8	3752.8	3752.8	3752.8	3752.8	3752.8	3752.8
2.5°	3730.3	3757.7	3737.8	3755.2	3752.8	3745.3	3732.8	3725.4	3715.4	3730.3	3705.4
5°	3715.4	3737.8	3760.2	3730.3	3730.3	3715.4	3707.9	3693.0	3693.0	3690.5	3688.0
7.5°	3740.3	3717.9	3707.9	3712.9	3717.9	3685.5	3707.9	3678.0	3653.1	3670.6	3690.5
10°	3717.9	3727.9	3690.5	3707.9	3680.5	3685.5	3670.6	3690.5	3663.1	3663.1	3663.1
12.5°	3740.3	3712.9	3725.4	3712.9	3705.4	3663.1	3683.0	3660.6	3658.1	3683.0	3660.6
15°	3785.1	3740.3	3730.3	3705.4	3712.9	3712.9	3693.0	3695.5	3668.1	3683.0	3688.0
17.5°	3770.2	3745.3	3737.8	3707.9	3732.8	3740.3	3702.9	3678.0	3695.5	3693.0	3690.5
20°	3782.6	3792.6	3785.1	3790.1	3800.1	3780.1	3745.3	3710.4	3688.0	3720.4	3717.9
22.5°	3862.3	3852.4	3847.4	3842.4	3859.8	3879.8	3832.4	3777.7	3777.7	3800.1	3810.0
25°	3927.1	3924.6	3922.1	3944.5	4004.3	4004.3	3944.5	3874.8	3857.3	3872.3	3859.8
27.5°	4021.7	4049.1	4039.1	4079.0	4166.1	4186.1	4106.4	4024.2	3976.9	3959.4	3981.9
30°	4238.3	4206.0	4213.4	4255.8	4333.0	4397.7	4275.7	4188.5	4123.8	4121.3	4131.3
32.5°	4382.8	4407.7	4430.1	4469.9	4592.0	4641.8	4494.8	4352.9	4313.1	4290.6	4298.1
35°	4671.6	4649.2	4644.3	4684.1	4806.1	4888.3	4704.0	4579.5	4527.2	4577.0	4577.0
37.5°	4945.6	4883.3	4836.0	4888.3	5000.4	5010.3	4853.4	4786.2	4758.8	4816.1	4813.6
40°	5075.1	5070.1	4960.5	4990.4	5139.8	5154.7	5007.8	4928.1	4923.2	4997.9	5072.6
42.5°	5209.5	5162.2	5052.6	5072.6	5164.7	5169.7	5030.2	5007.8	5062.6	5134.8	5139.8
45°	5231.9	5192.1	5122.4	5072.6	5139.8	5154.7	5072.6	5087.5	5092.5	5179.6	5179.6
47.5°	5276.8	5271.8	5231.9	5194.6	5207.0	5194.6	5142.3	5164.7	5239.4	5281.7	5261.8
50°	5401.3	5349.0	5388.8	5356.5	5358.9	5393.8	5346.5	5368.9	5354.0	5316.6	5291.7
52.5°	5675.2	5650.3	5685.2	5707.6	5732.5	5812.2	5757.4	5637.8	5525.8	5426.2	5423.7
55°	6076.1	6093.6	6160.8	6275.3	6372.5	6499.5	6235.5	5949.1	5769.8	5612.9	5622.9
57.5°	6454.6	6442.2	6534.3	6795.8	7079.7	7144.4	6626.5	6218.1	5926.7	5827.1	5784.8
59°	6150.8	6210.6	6419.8	6711.1	7156.9	7251.5	6574.2	5998.9	5690.1	5488.4	5523.3
60°	5672.7	5695.1	5881.9	6287.8	6890.4	7052.3	6223.0	5660.3	5249.4	5132.3	5184.6
62.5°	4009.2	3991.8	4126.3	4457.5	4997.9	5217.0	4626.8	4230.9	3971.9	3842.4	3872.3
65°	2131.6	2211.3	2266.1	2472.8	2759.2	2990.7	2746.7	2574.9	2430.4	2323.4	2320.9
67.5°	1439.3	1429.4	1441.8	1489.1	1586.3	1651.0	1646.0	1558.9	1546.4	1526.5	1548.9
70°	1212.7	1207.8	1185.3	1185.3	1205.3	1220.2	1237.6	1247.6	1267.5	1292.4	1289.9
72.5°	983.6	971.2	956.2	948.8	973.7	981.1	1003.6	1013.5	1030.9	1028.5	1050.9
75°	649.9	649.9	667.4	687.3	694.8	709.7	712.2	742.1	742.1	747.1	727.1
77.5°	363.6	353.6	366.1	386.0	403.4	430.8	458.2	480.6	493.1	488.1	488.1
80°	211.7	211.7	224.1	246.5	268.9	293.8	313.8	331.2	343.6	338.7	328.7
82.5°	132.0	132.0	144.4	166.8	184.3	199.2	226.6	249.0	264.0	259.0	246.5
85°	67.2	67.2	82.2	97.1	119.5	129.5	127.0	117.0	114.5	102.1	102.1
87.5°	17.4	17.4	24.9	27.4	22.4	24.9	24.9	24.9	24.9	24.9	27.4
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)