

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: P530904

Luminaire Tested: **GALN-SA6A-830-U-5WQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P530904
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-SA6A-830-U-5WQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 80 CRI, 3000K, 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: 18282 lumens
Efficiency: N/A
Efficacy: 100.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

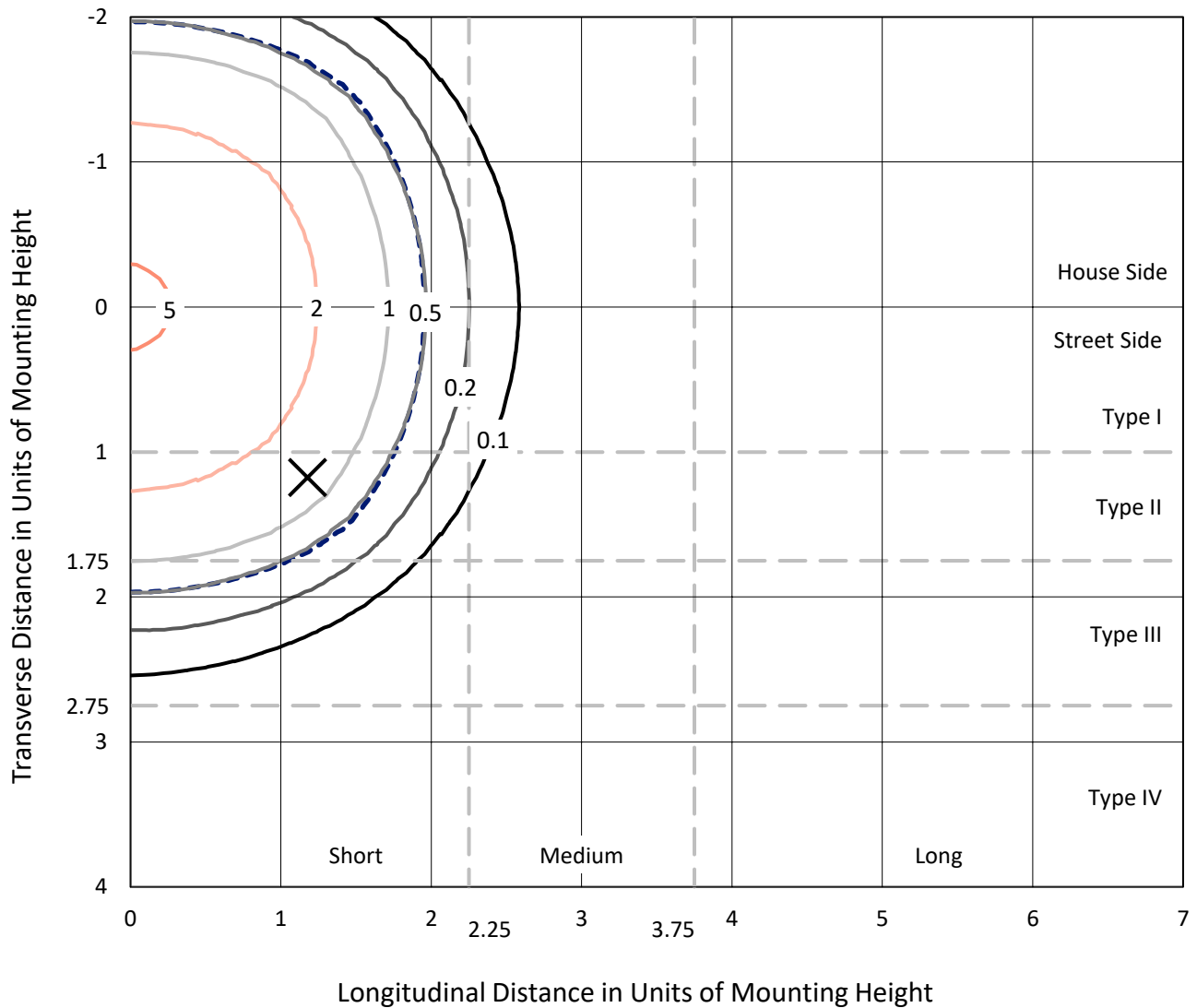
Input Watts (W): 182
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

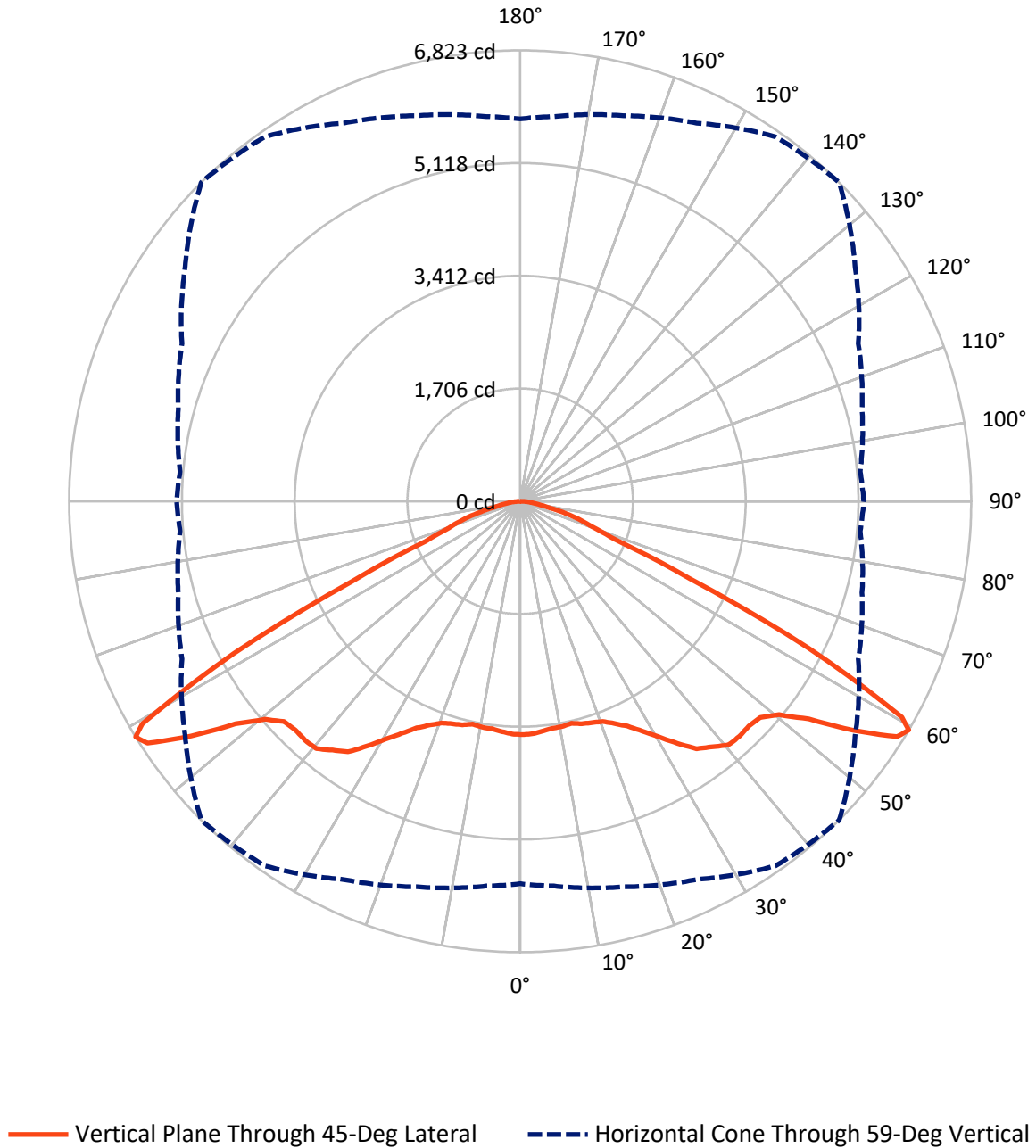
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.6 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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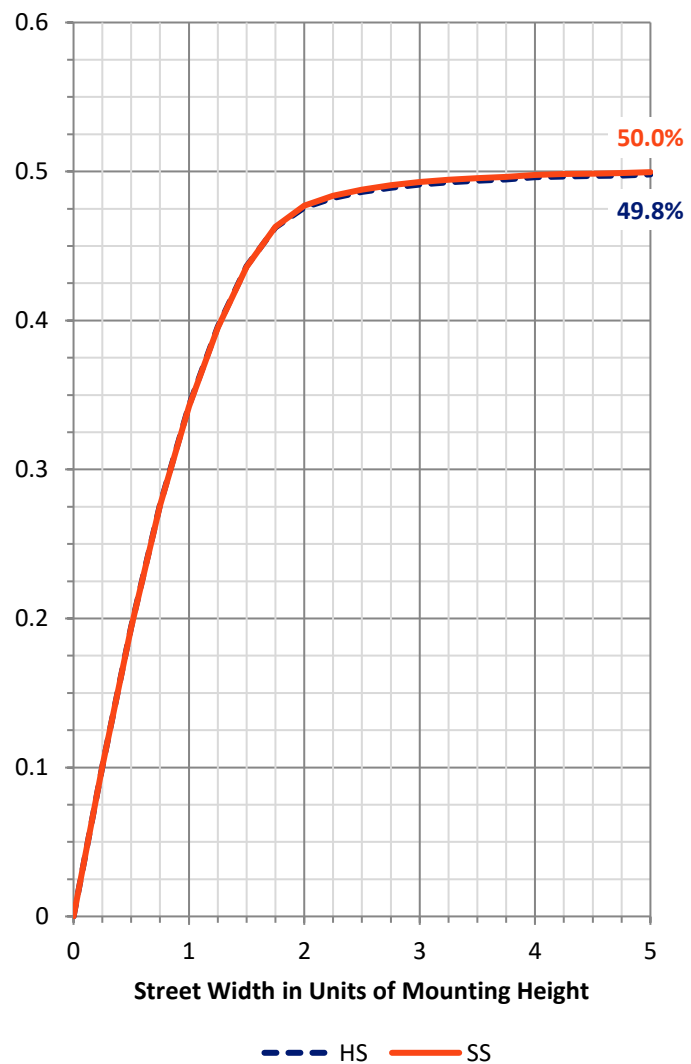
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9141.0	0.0	9141.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9141.0	0.0	9141.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	18282.0	0.0	18282.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	332.9	1.8
10°-20°	989.9	5.4
20°-30°	1728.5	9.5
30°-40°	2760.7	15.1
40°-50°	3760.6	20.6
50°-60°	5085.4	27.8
60°-70°	2788.8	15.3
70°-80°	713.5	3.9
80°-90°	121.7	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°	18282.0	100.0
0°-180°	18282.0	100.0



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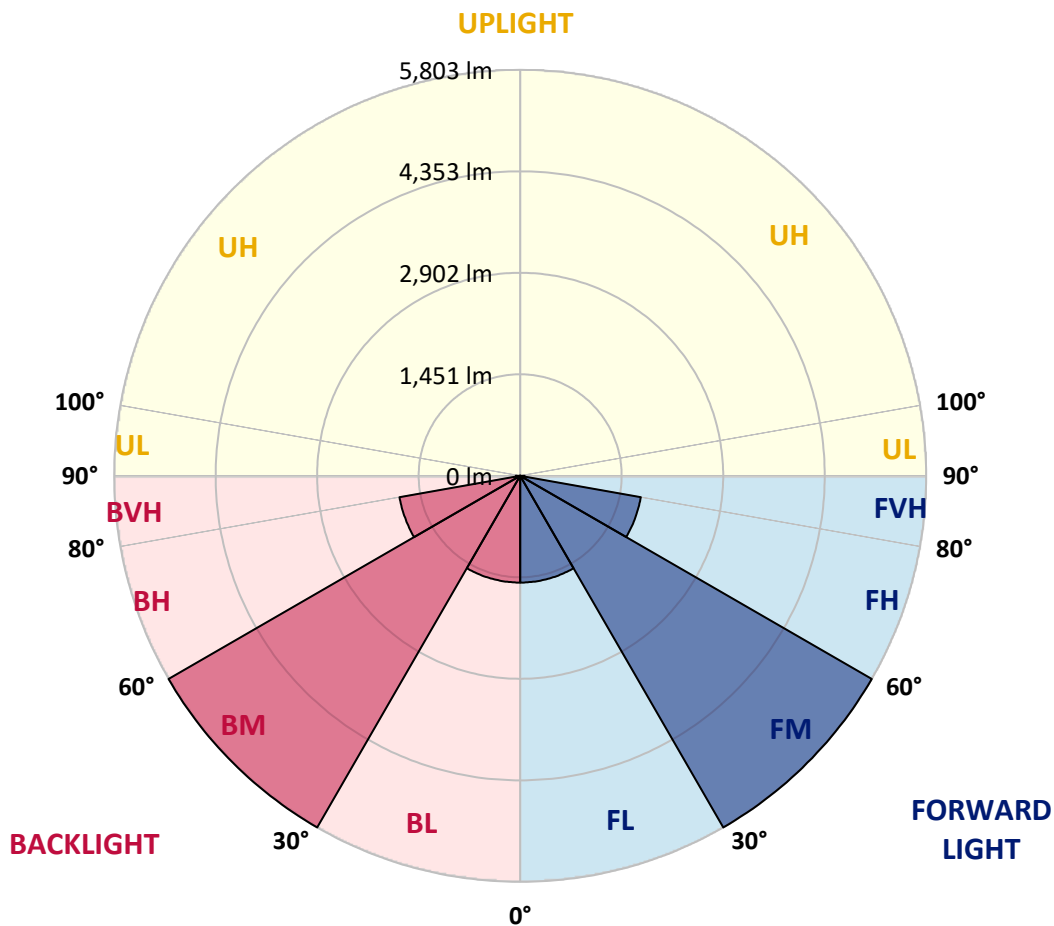
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1525.7	8.3			
FM (30°-60°)	5803.4	31.7			
FH (60°-80°)	1751.2	9.6			G1/1800
FVH (80°-90°)	60.8	0.3			G1/100
BL (0°-30°)	1525.7	8.3	B3/2500		
BM (30°-60°)	5803.4	31.7	B4/8500		
BH (60°-80°)	1751.2	9.6	B3/2500		G1/1800
BVH (80°-90°)	60.8	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-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3531.2	3531.2	3531.2	3531.2	3531.2	3531.2	3531.2	3531.2	3531.2	3531.2	3531.2
2.5°	3510.1	3535.9	3517.1	3533.6	3531.2	3524.2	3512.5	3505.4	3496.1	3510.1	3486.7
5°	3496.1	3517.1	3538.2	3510.1	3510.1	3496.1	3489.0	3475.0	3475.0	3472.6	3470.3
7.5°	3519.5	3498.4	3489.0	3493.7	3498.4	3467.9	3489.0	3460.9	3437.5	3453.9	3472.6
10°	3498.4	3507.8	3472.6	3489.0	3463.3	3467.9	3453.9	3472.6	3446.9	3446.9	3446.9
12.5°	3519.5	3493.7	3505.4	3493.7	3486.7	3446.9	3465.6	3444.5	3442.2	3465.6	3444.5
15°	3561.7	3519.5	3510.1	3486.7	3493.7	3493.7	3475.0	3477.3	3451.5	3465.6	3470.3
17.5°	3547.6	3524.2	3517.1	3489.0	3512.5	3519.5	3484.3	3460.9	3477.3	3475.0	3472.6
20°	3559.3	3568.7	3561.7	3566.4	3575.7	3557.0	3524.2	3491.4	3470.3	3500.7	3498.4
22.5°	3634.3	3624.9	3620.2	3615.6	3632.0	3650.7	3606.2	3554.6	3554.6	3575.7	3585.1
25°	3695.2	3692.9	3690.5	3711.6	3767.9	3767.9	3711.6	3646.0	3629.6	3643.7	3632.0
27.5°	3784.3	3810.0	3800.7	3838.2	3920.2	3938.9	3863.9	3786.6	3742.1	3725.7	3746.8
30°	3988.1	3957.7	3964.7	4004.5	4077.2	4138.1	4023.3	3941.3	3880.3	3878.0	3887.4
32.5°	4124.0	4147.5	4168.6	4206.1	4320.9	4367.7	4229.5	4095.9	4058.4	4037.3	4044.4
35°	4395.9	4374.8	4370.1	4407.6	4522.4	4599.7	4426.3	4309.2	4259.9	4306.8	4306.8
37.5°	4653.6	4595.0	4550.5	4599.7	4705.2	4714.5	4566.9	4503.6	4477.9	4531.8	4529.4
40°	4775.4	4770.8	4667.7	4695.8	4836.4	4850.4	4712.2	4637.2	4632.5	4702.8	4773.1
42.5°	4902.0	4857.5	4754.4	4773.1	4859.8	4864.5	4733.3	4712.2	4763.7	4831.7	4836.4
45°	4923.1	4885.6	4820.0	4773.1	4836.4	4850.4	4773.1	4787.2	4791.9	4873.9	4873.9
47.5°	4965.2	4960.6	4923.1	4887.9	4899.6	4887.9	4838.7	4859.8	4930.1	4969.9	4951.2
50°	5082.4	5033.2	5070.7	5040.2	5042.6	5075.4	5030.9	5051.9	5037.9	5002.7	4979.3
52.5°	5340.2	5316.7	5349.5	5370.6	5394.1	5469.0	5417.5	5305.0	5199.6	5105.8	5103.5
55°	5717.4	5733.8	5797.1	5904.9	5996.3	6115.8	5867.4	5597.9	5429.2	5281.6	5291.0
57.5°	6073.6	6061.9	6148.6	6394.6	6661.7	6722.7	6235.3	5851.0	5576.8	5483.1	5443.3
59°	5787.7	5844.0	6040.8	6314.9	6734.4	6823.4	6186.1	5644.8	5354.2	5164.4	5197.2
60°	5337.8	5358.9	5534.6	5916.6	6483.6	6636.0	5855.7	5326.1	4939.5	4829.3	4878.6
62.5°	3772.6	3756.2	3882.7	4194.3	4702.8	4909.0	4353.7	3981.1	3737.4	3615.6	3643.7
65°	2005.8	2080.8	2132.3	2326.8	2596.3	2814.2	2584.6	2422.9	2287.0	2186.2	2183.9
67.5°	1354.4	1345.0	1356.7	1401.2	1492.6	1553.5	1548.9	1466.8	1455.1	1436.4	1457.5
70°	1141.1	1136.5	1115.4	1115.4	1134.1	1148.2	1164.6	1173.9	1192.7	1216.1	1213.8
72.5°	925.6	913.8	899.8	892.8	916.2	923.2	944.3	953.7	970.1	967.7	988.8
75°	611.6	611.6	628.0	646.7	653.8	667.8	670.2	698.3	698.3	703.0	684.2
77.5°	342.1	332.7	344.5	363.2	379.6	405.4	431.1	452.2	464.0	459.3	459.3
80°	199.2	199.2	210.9	232.0	253.1	276.5	295.2	311.6	323.4	318.7	309.3
82.5°	124.2	124.2	135.9	157.0	173.4	187.5	213.2	234.3	248.4	243.7	232.0
85°	63.3	63.3	77.3	91.4	112.5	121.8	119.5	110.1	107.8	96.1	96.1
87.5°	16.4	16.4	23.4	25.8	21.1	23.4	23.4	23.4	23.4	23.4	25.8
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)