

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: P528460

Luminaire Tested: **GALN-SA3C-740-U-5WQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P528460
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-SA3C-740-U-5WQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 70 CRI, 4000K, 1050mA 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: 17806 lumens
Efficiency: N/A
Efficacy: 111.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

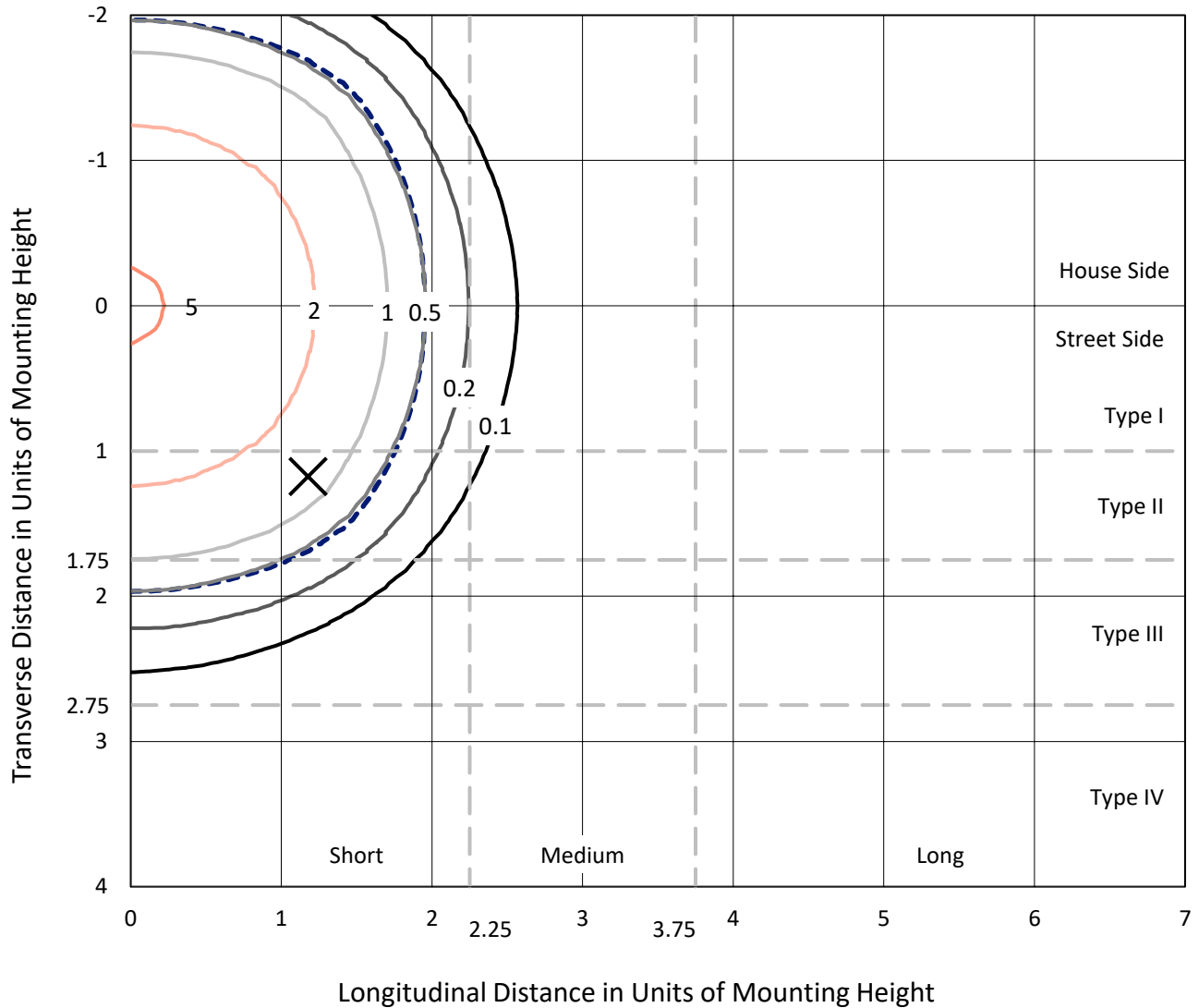
Input Watts (W): 160
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

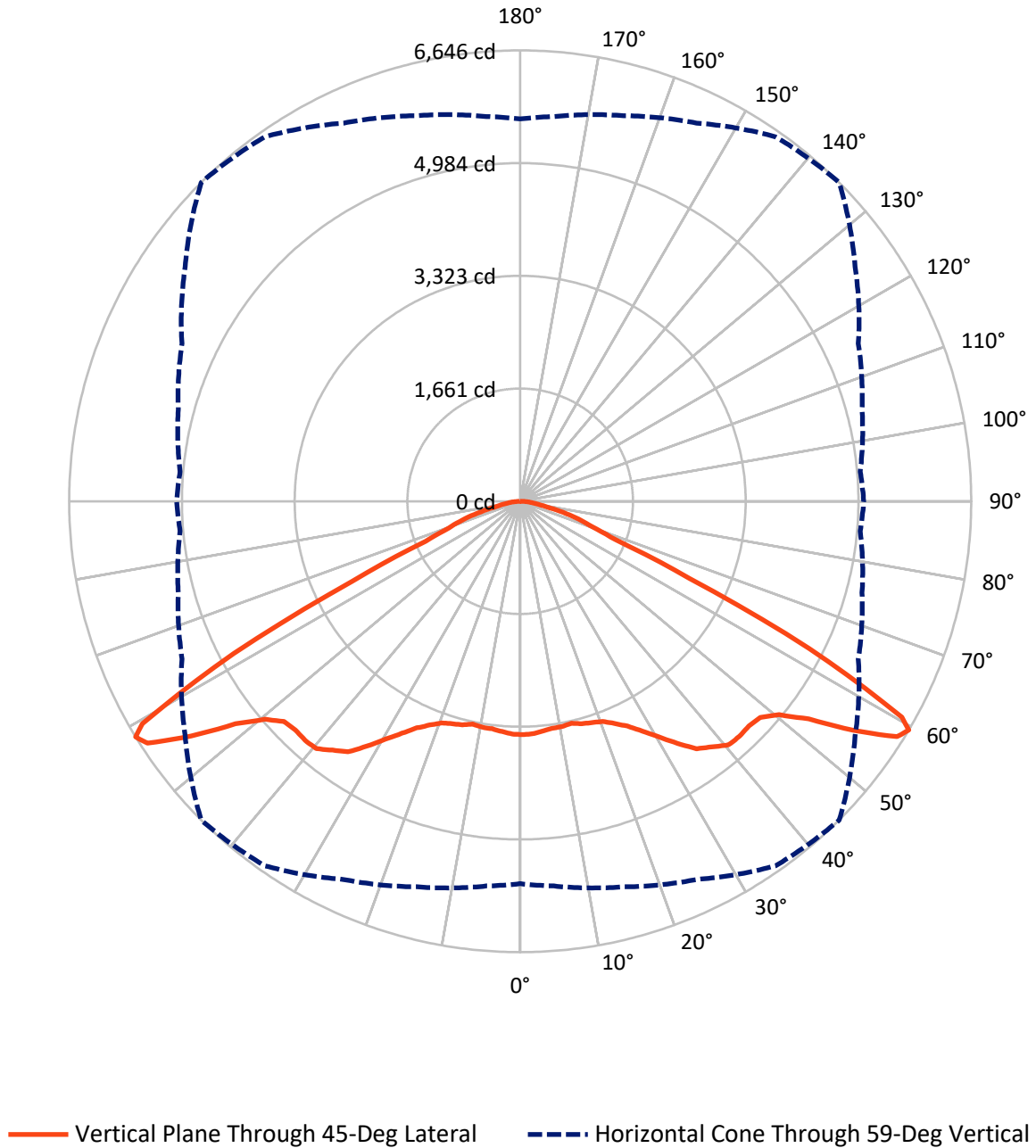
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.5 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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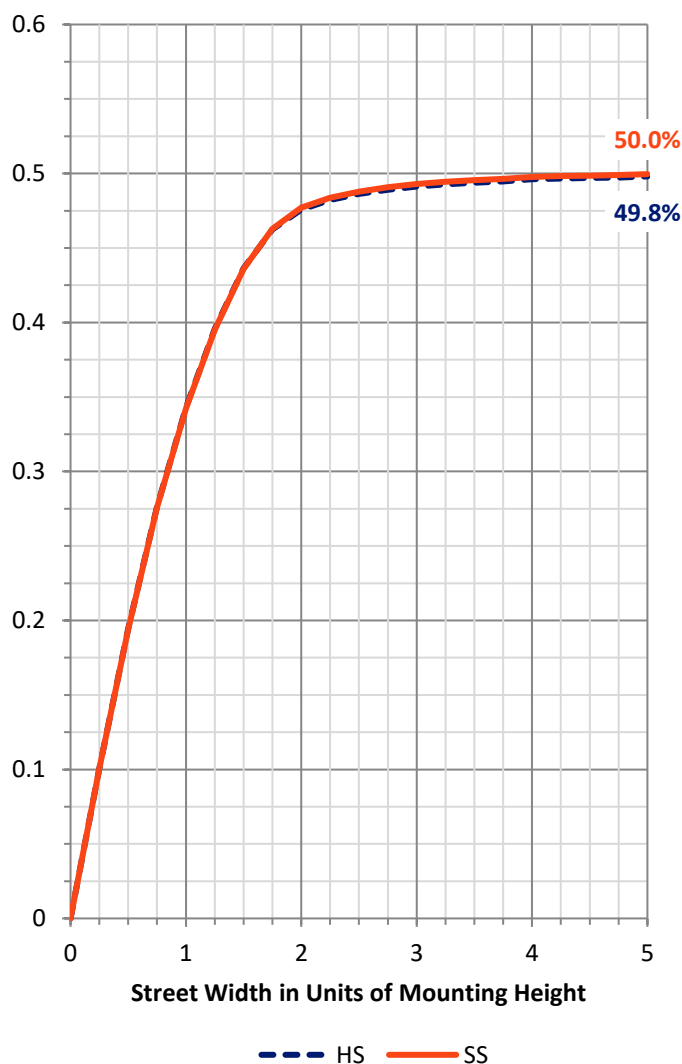
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8903.0	0.0	8903.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8903.0	0.0	8903.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	17806.0	0.0	17806.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	324.2	1.8
10°-20°	964.2	5.4
20°-30°	1683.5	9.5
30°-40°	2688.8	15.1
40°-50°	3662.7	20.6
50°-60°	4953.0	27.8
60°-70°	2716.2	15.3
70°-80°	694.9	3.9
80°-90°	118.5	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°	17806.0	100.0
0°-180°	17806.0	100.0

Coefficient of Utilization



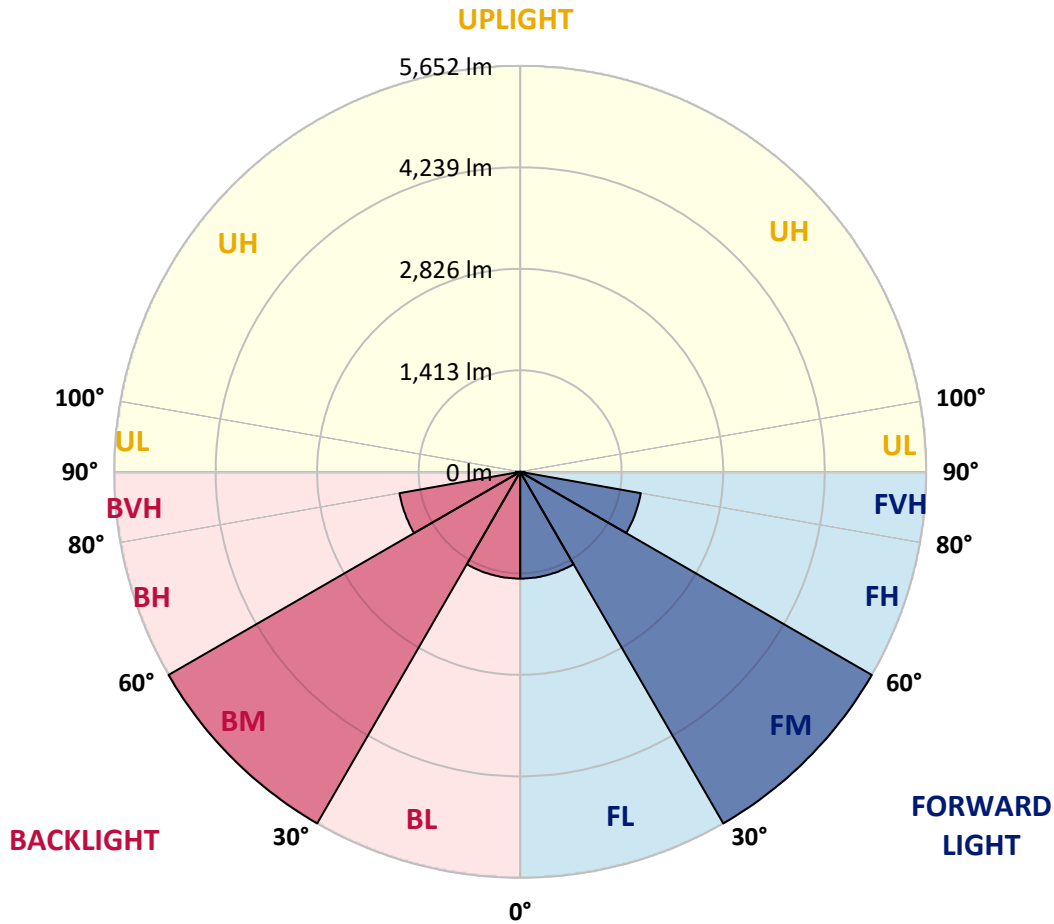
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1485.9	8.3			
FM (30°-60°)	5652.2	31.7			
FH (60°-80°)	1705.6	9.6			G1/1800
FVH (80°-90°)	59.3	0.3			G1/100
BL (0°-30°)	1485.9	8.3	B3/2500		
BM (30°-60°)	5652.2	31.7	B4/8500		
BH (60°-80°)	1705.6	9.6	B3/2500		G1/1800
BVH (80°-90°)	59.3	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°	3439.3	3439.3	3439.3	3439.3	3439.3	3439.3	3439.3	3439.3	3439.3	3439.3	3439.3
2.5°	3418.7	3443.8	3425.6	3441.5	3439.3	3432.4	3421.0	3414.2	3405.0	3418.7	3395.9
5°	3405.0	3425.6	3446.1	3418.7	3418.7	3405.0	3398.2	3384.5	3384.5	3382.2	3379.9
7.5°	3427.9	3407.3	3398.2	3402.8	3407.3	3377.6	3398.2	3370.8	3348.0	3364.0	3382.2
10°	3407.3	3416.4	3382.2	3398.2	3373.1	3377.6	3364.0	3382.2	3357.1	3357.1	3357.1
12.5°	3427.9	3402.8	3414.2	3402.8	3395.9	3357.1	3375.4	3354.8	3352.5	3375.4	3354.8
15°	3468.9	3427.9	3418.7	3395.9	3402.8	3402.8	3384.5	3386.8	3361.7	3375.4	3379.9
17.5°	3455.2	3432.4	3425.6	3398.2	3421.0	3427.9	3393.6	3370.8	3386.8	3384.5	3382.2
20°	3466.7	3475.8	3468.9	3473.5	3482.6	3464.4	3432.4	3400.5	3379.9	3409.6	3407.3
22.5°	3539.7	3530.6	3526.0	3521.4	3537.4	3555.7	3512.3	3462.1	3462.1	3482.6	3491.8
25°	3599.0	3596.7	3594.5	3615.0	3669.8	3669.8	3615.0	3551.1	3535.1	3548.8	3537.4
27.5°	3685.7	3710.8	3701.7	3738.2	3818.1	3836.4	3763.3	3688.0	3644.7	3628.7	3649.2
30°	3884.3	3854.6	3861.5	3900.3	3971.0	4030.4	3918.5	3838.7	3779.3	3777.0	3786.2
32.5°	4016.7	4039.5	4060.0	4096.5	4208.4	4254.0	4119.4	3989.3	3952.8	3932.2	3939.1
35°	4281.4	4260.9	4256.3	4292.8	4404.6	4479.9	4311.1	4197.0	4149.0	4194.7	4194.7
37.5°	4532.4	4475.4	4432.0	4479.9	4582.6	4591.8	4448.0	4386.4	4361.3	4413.8	4411.5
40°	4651.1	4646.5	4546.1	4573.5	4710.5	4724.1	4589.5	4516.5	4511.9	4580.4	4648.8
42.5°	4774.4	4731.0	4630.6	4648.8	4733.3	4737.8	4610.0	4589.5	4639.7	4705.9	4710.5
45°	4794.9	4758.4	4694.5	4648.8	4710.5	4724.1	4648.8	4662.5	4667.1	4747.0	4747.0
47.5°	4836.0	4831.4	4794.9	4760.7	4772.1	4760.7	4712.7	4733.3	4801.7	4840.5	4822.3
50°	4950.1	4902.2	4938.7	4909.0	4911.3	4943.2	4899.9	4920.4	4906.7	4872.5	4849.7
52.5°	5201.1	5178.3	5210.3	5230.8	5253.6	5326.6	5276.4	5166.9	5064.2	4972.9	4970.6
55°	5568.6	5584.5	5646.2	5751.1	5840.1	5956.5	5714.6	5452.2	5287.8	5144.1	5153.2
57.5°	5915.4	5904.0	5988.5	6228.1	6488.3	6547.6	6072.9	5698.6	5431.6	5340.3	5301.5
59°	5637.0	5691.8	5883.5	6150.5	6559.0	6645.8	6025.0	5497.8	5214.8	5030.0	5061.9
60°	5198.8	5219.4	5390.5	5762.5	6314.8	6463.2	5703.2	5187.4	4810.9	4703.6	4751.5
62.5°	3674.3	3658.4	3781.6	4085.1	4580.4	4781.2	4240.3	3877.4	3640.1	3521.4	3548.8
65°	1953.6	2026.6	2076.8	2266.2	2528.7	2740.9	2517.3	2359.8	2227.4	2129.3	2127.0
67.5°	1319.1	1310.0	1321.4	1364.8	1453.8	1513.1	1508.5	1428.7	1417.2	1399.0	1419.5
70°	1111.4	1106.9	1086.3	1086.3	1104.6	1118.3	1134.3	1143.4	1161.6	1184.5	1182.2
72.5°	901.5	890.1	876.4	869.5	892.3	899.2	919.7	928.9	944.8	942.5	963.1
75°	595.7	595.7	611.6	629.9	636.7	650.4	652.7	680.1	680.1	684.7	666.4
77.5°	333.2	324.1	335.5	353.7	369.7	394.8	419.9	440.5	451.9	447.3	447.3
80°	194.0	194.0	205.4	225.9	246.5	269.3	287.6	303.5	314.9	310.4	301.2
82.5°	121.0	121.0	132.4	152.9	168.9	182.6	207.7	228.2	241.9	237.3	225.9
85°	61.6	61.6	75.3	89.0	109.5	118.7	116.4	107.3	105.0	93.6	93.6
87.5°	16.0	16.0	22.8	25.1	20.5	22.8	22.8	22.8	22.8	22.8	25.1
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)