

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: P529994

Luminaire Tested: **GALN-SA5B-722-U-5WQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P529994
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-SA5B-722-U-5WQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(5) 70 CRI, 2200K, 800mA 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: 17772 lumens
Efficiency: N/A
Efficacy: 87.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

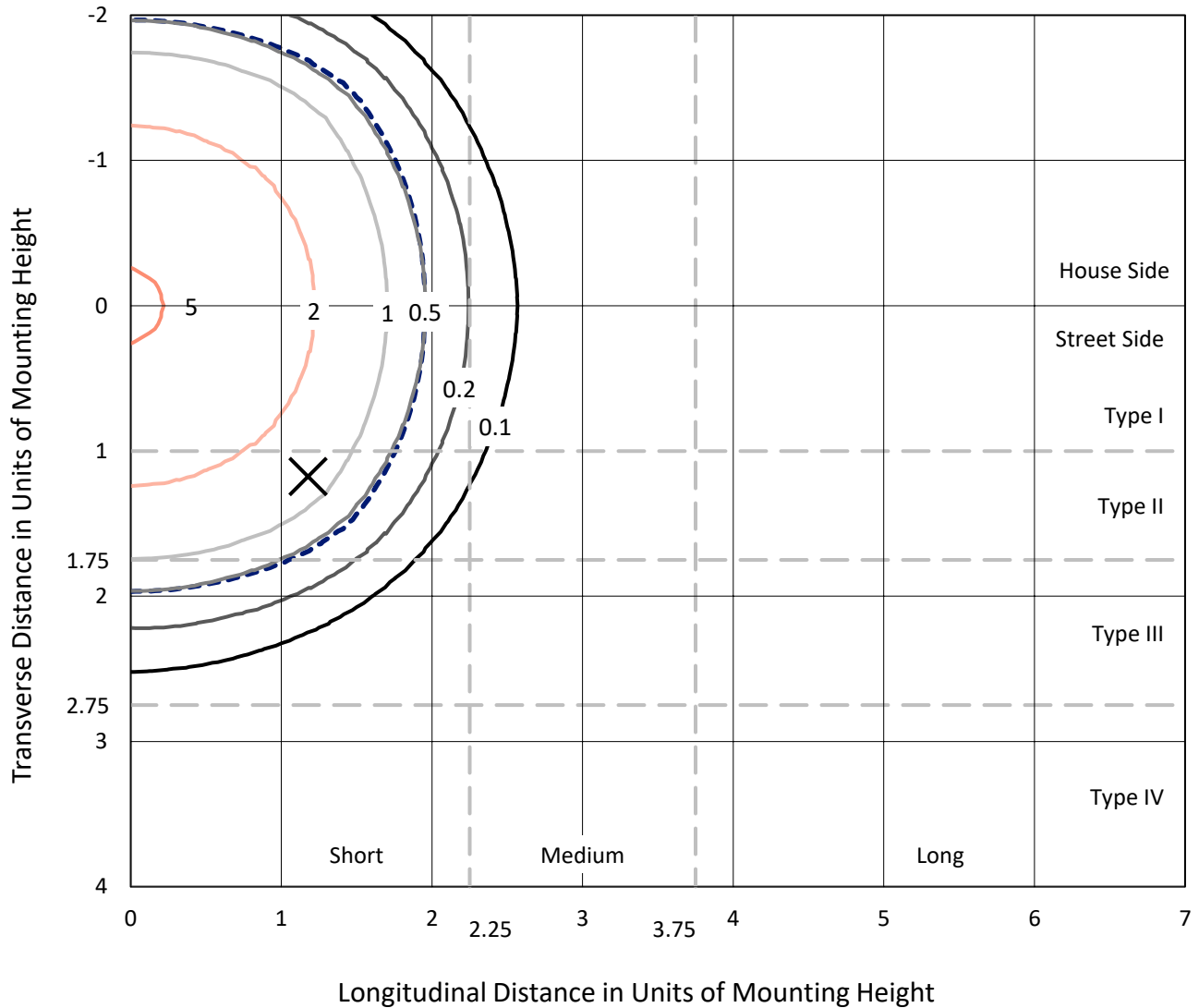
Input Watts (W): 204
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P529994
 CATALOG NUMBER: GALN-SA5B-722-U-5WQ-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

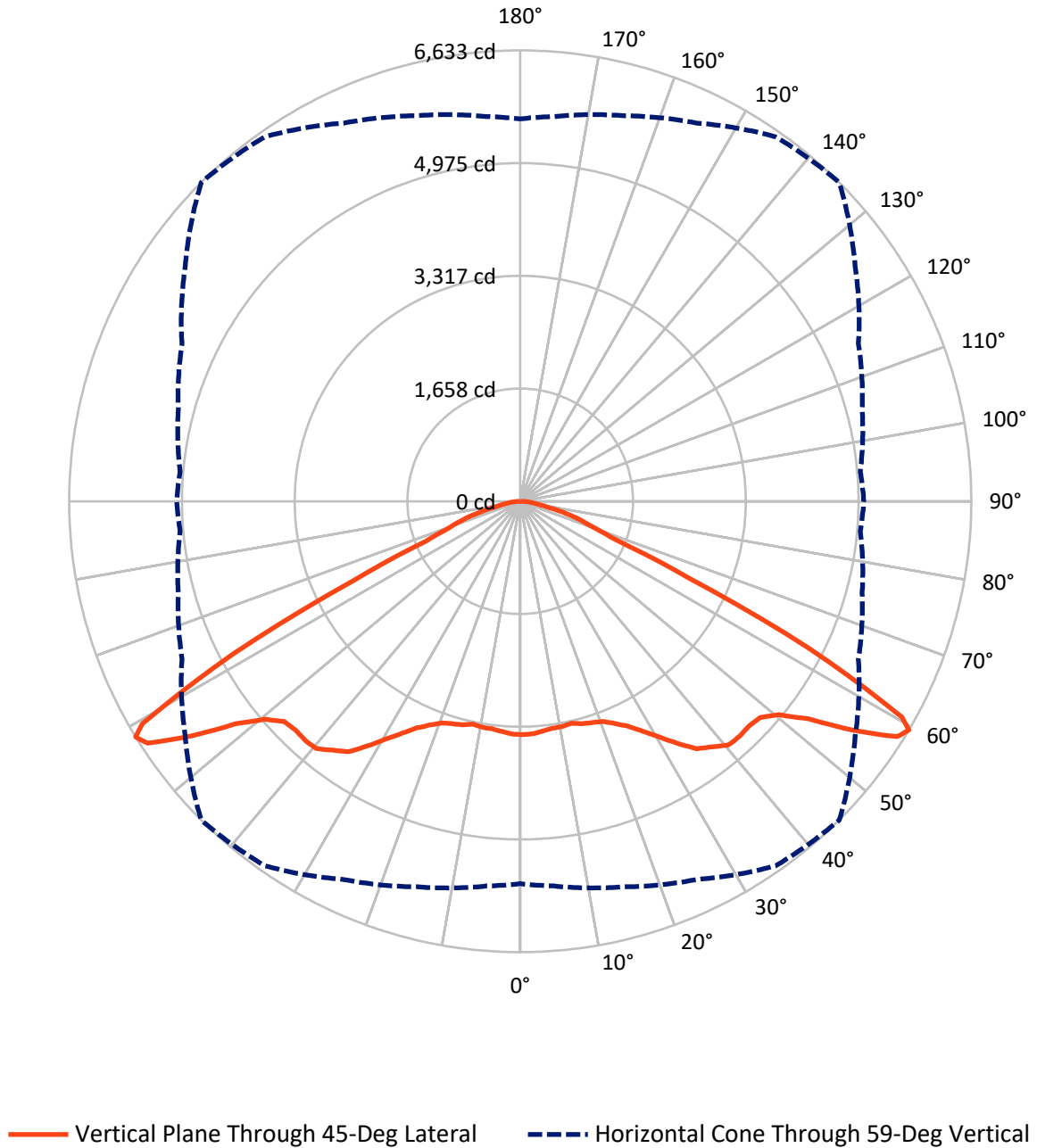
✕ Max cd
 - - - 1/2 Max cd



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

REPORT NUMBER: P529994
CATALOG NUMBER: GALN-SA5B-722-U-5WQ-GRSWH

Luminous Intensity Polar Plot



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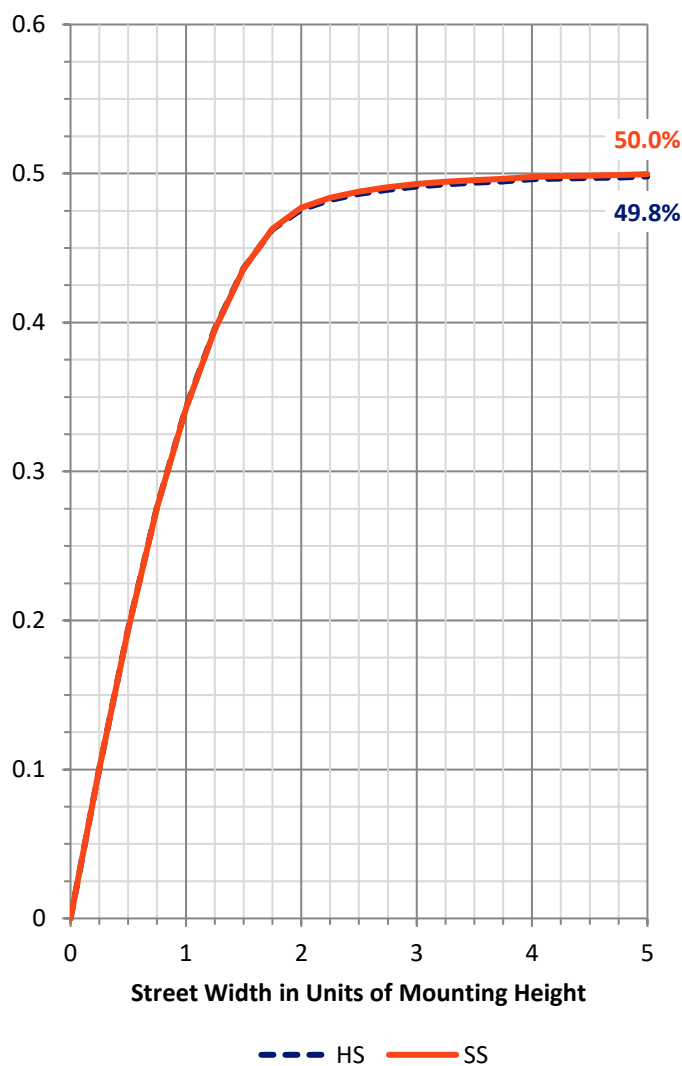
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8886.0	0.0	8886.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8886.0	0.0	8886.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	17772.0	0.0	17772.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	323.6	1.8
10°-20°	962.3	5.4
20°-30°	1680.3	9.5
30°-40°	2683.7	15.1
40°-50°	3655.7	20.6
50°-60°	4943.5	27.8
60°-70°	2711.0	15.3
70°-80°	693.6	3.9
80°-90°	118.3	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°	17772.0	100.0
0°-180°	17772.0	100.0

Coefficient of Utilization



REPORT NUMBER: P529994

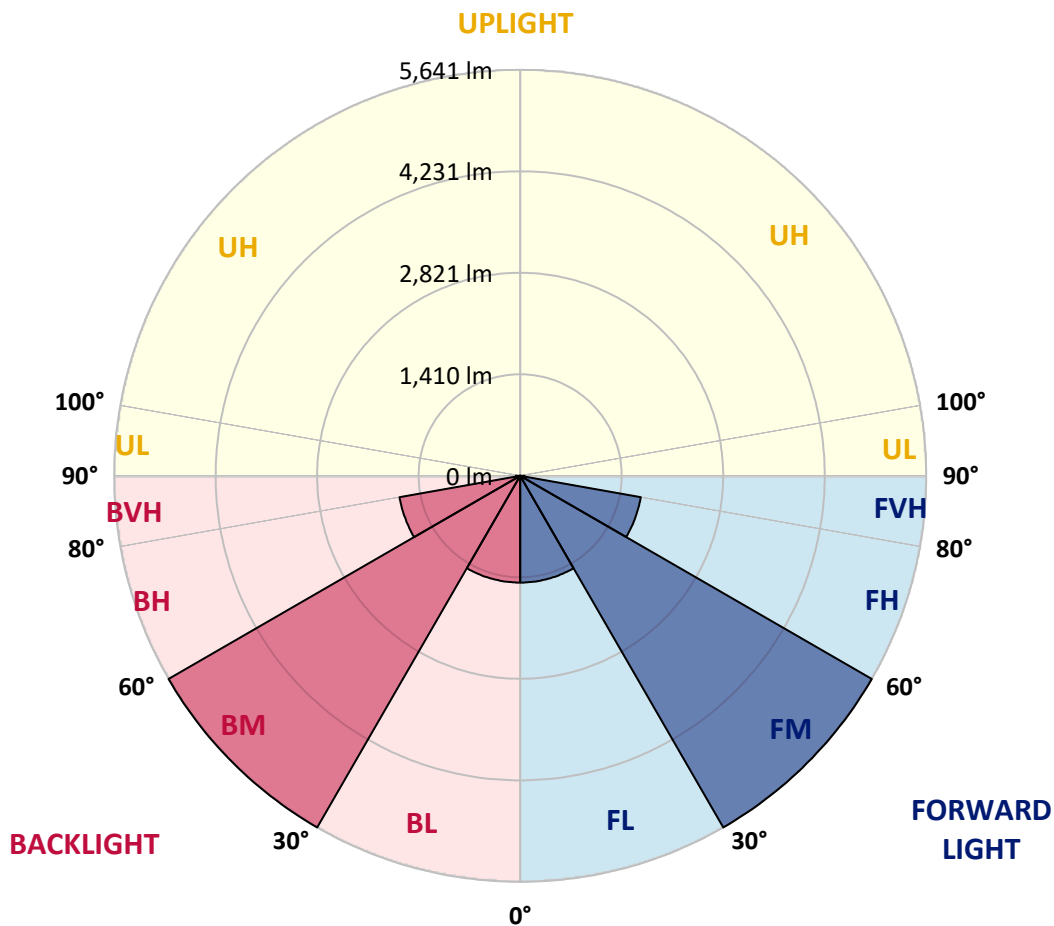
CATALOG NUMBER: GALN-SA5B-722-U-5WQ-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1483.1	8.3			
FM (30°-60°)	5641.5	31.7			
FH (60°-80°)	1702.3	9.6			G1/1800
FVH (80°-90°)	59.1	0.3			G1/100
BL (0°-30°)	1483.1	8.3	B3/2500		
BM (30°-60°)	5641.5	31.7	B4/8500		
BH (60°-80°)	1702.3	9.6	B3/2500		G1/1800
BVH (80°-90°)	59.1	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





REPORT NUMBER: P529994

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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3432.7	3432.7	3432.7	3432.7	3432.7	3432.7	3432.7	3432.7	3432.7	3432.7	3432.7
2.5°	3412.2	3437.3	3419.0	3435.0	3432.7	3425.9	3414.5	3407.6	3398.5	3412.2	3389.4
5°	3398.5	3419.0	3439.5	3412.2	3412.2	3398.5	3391.7	3378.0	3378.0	3375.8	3373.5
7.5°	3421.3	3400.8	3391.7	3396.3	3400.8	3371.2	3391.7	3364.4	3341.6	3357.5	3375.8
10°	3400.8	3409.9	3375.8	3391.7	3366.6	3371.2	3357.5	3375.8	3350.7	3350.7	3350.7
12.5°	3421.3	3396.3	3407.6	3396.3	3389.4	3350.7	3368.9	3348.4	3346.1	3368.9	3348.4
15°	3462.3	3421.3	3412.2	3389.4	3396.3	3396.3	3378.0	3380.3	3355.3	3368.9	3373.5
17.5°	3448.6	3425.9	3419.0	3391.7	3414.5	3421.3	3387.1	3364.4	3380.3	3378.0	3375.8
20°	3460.0	3469.1	3462.3	3466.9	3476.0	3457.8	3425.9	3394.0	3373.5	3403.1	3400.8
22.5°	3532.9	3523.8	3519.3	3514.7	3530.6	3548.9	3505.6	3455.5	3455.5	3476.0	3485.1
25°	3592.1	3589.9	3587.6	3608.1	3662.8	3662.8	3608.1	3544.3	3528.4	3542.0	3530.6
27.5°	3678.7	3703.8	3694.7	3731.1	3810.8	3829.0	3756.2	3681.0	3637.7	3621.8	3642.3
30°	3876.9	3847.3	3854.1	3892.8	3963.4	4022.7	3911.0	3831.3	3772.1	3769.8	3778.9
32.5°	4009.0	4031.8	4052.3	4088.7	4200.3	4245.9	4111.5	3981.7	3945.2	3924.7	3931.5
35°	4273.2	4252.7	4248.2	4284.6	4396.2	4471.4	4302.8	4188.9	4141.1	4186.7	4186.7
37.5°	4523.8	4466.8	4423.6	4471.4	4573.9	4583.0	4439.5	4378.0	4352.9	4405.3	4403.1
40°	4642.2	4637.7	4537.5	4564.8	4701.5	4715.1	4580.7	4507.8	4503.3	4571.6	4640.0
42.5°	4765.2	4722.0	4621.7	4640.0	4724.2	4728.8	4601.2	4580.7	4630.8	4696.9	4701.5
45°	4785.7	4749.3	4685.5	4640.0	4701.5	4715.1	4640.0	4653.6	4658.2	4737.9	4737.9
47.5°	4826.7	4822.2	4785.7	4751.6	4763.0	4751.6	4703.7	4724.2	4792.6	4831.3	4813.1
50°	4940.6	4892.8	4929.2	4899.6	4901.9	4933.8	4890.5	4911.0	4897.3	4863.2	4840.4
52.5°	5191.2	5168.4	5200.3	5220.8	5243.6	5316.5	5266.4	5157.0	5054.5	4963.4	4961.1
55°	5557.9	5573.9	5635.4	5740.1	5829.0	5945.2	5703.7	5441.8	5277.7	5134.2	5143.4
57.5°	5904.2	5892.8	5977.0	6216.2	6475.9	6535.1	6061.3	5687.8	5421.3	5330.1	5291.4
59°	5626.3	5680.9	5872.3	6138.8	6546.5	6633.1	6013.5	5487.3	5204.9	5020.4	5052.2
60°	5188.9	5209.4	5380.3	5751.5	6302.8	6450.8	5692.3	5177.5	4801.7	4694.6	4742.5
62.5°	3667.3	3651.4	3774.4	4077.3	4571.6	4772.1	4232.2	3870.0	3633.2	3514.7	3542.0
65°	1949.8	2022.7	2072.8	2261.9	2523.8	2735.7	2512.5	2355.3	2223.2	2125.2	2122.9
67.5°	1316.6	1307.5	1318.9	1362.1	1451.0	1510.2	1505.7	1425.9	1414.5	1396.3	1416.8
70°	1109.3	1104.8	1084.3	1084.3	1102.5	1116.1	1132.1	1141.2	1159.4	1182.2	1179.9
72.5°	899.7	888.4	874.7	867.9	890.6	897.5	918.0	927.1	943.0	940.7	961.2
75°	594.5	594.5	610.5	628.7	635.5	649.2	651.5	678.8	678.8	683.4	665.1
77.5°	332.6	323.5	334.8	353.1	369.0	394.1	419.1	439.6	451.0	446.5	446.5
80°	193.6	193.6	205.0	225.5	246.0	268.8	287.0	303.0	314.3	309.8	300.7
82.5°	120.7	120.7	132.1	152.6	168.6	182.2	207.3	227.8	241.5	236.9	225.5
85°	61.5	61.5	75.2	88.8	109.3	118.4	116.2	107.1	104.8	93.4	93.4
87.5°	15.9	15.9	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)