

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: P530878

Luminaire Tested: **GALN-SA6A-827-U-5WQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P530878
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-827-U-5WQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 80 CRI, 2700K, 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: 16912 lumens
Efficiency: N/A
Efficacy: 92.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

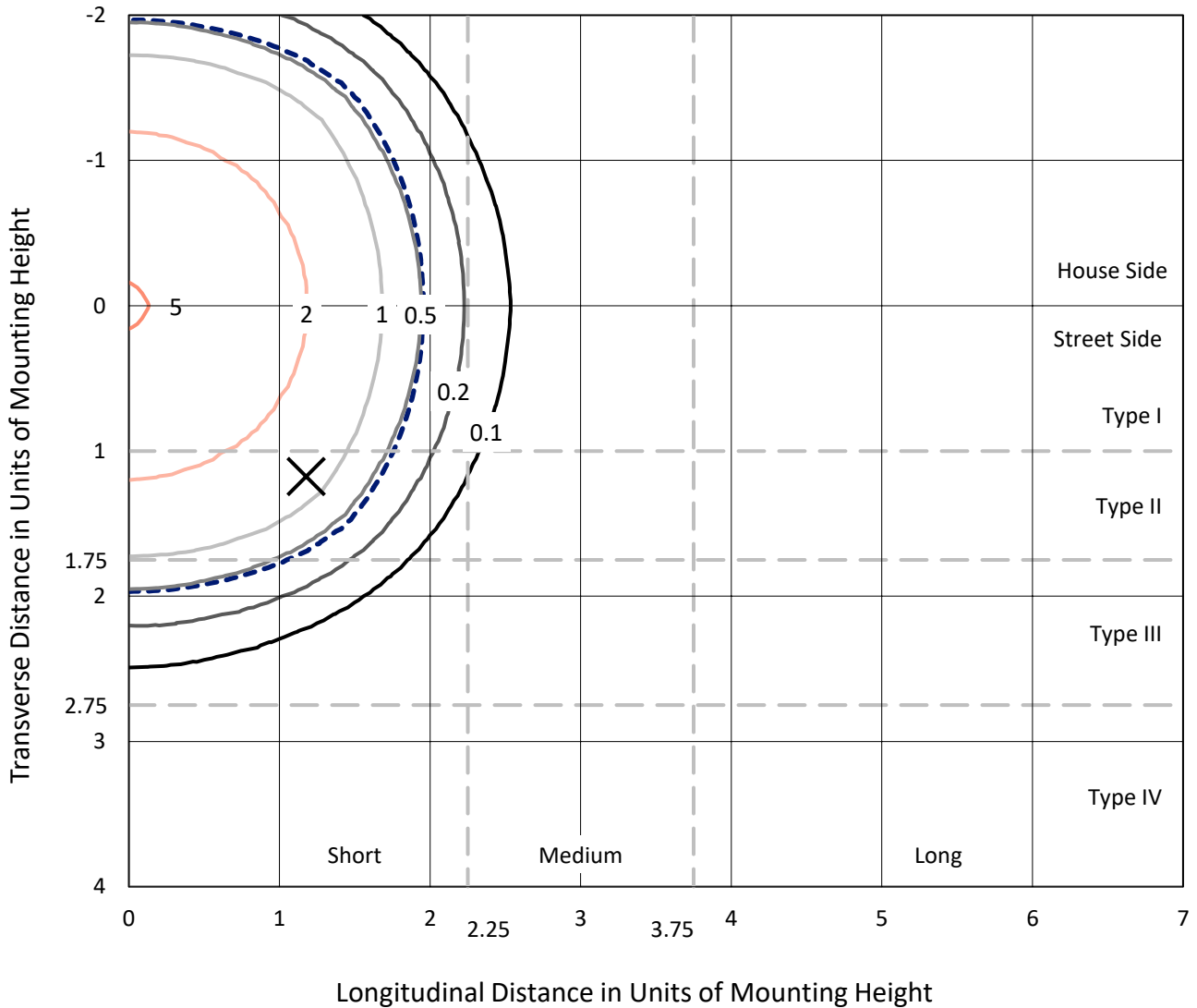
Input Watts (W): 182
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

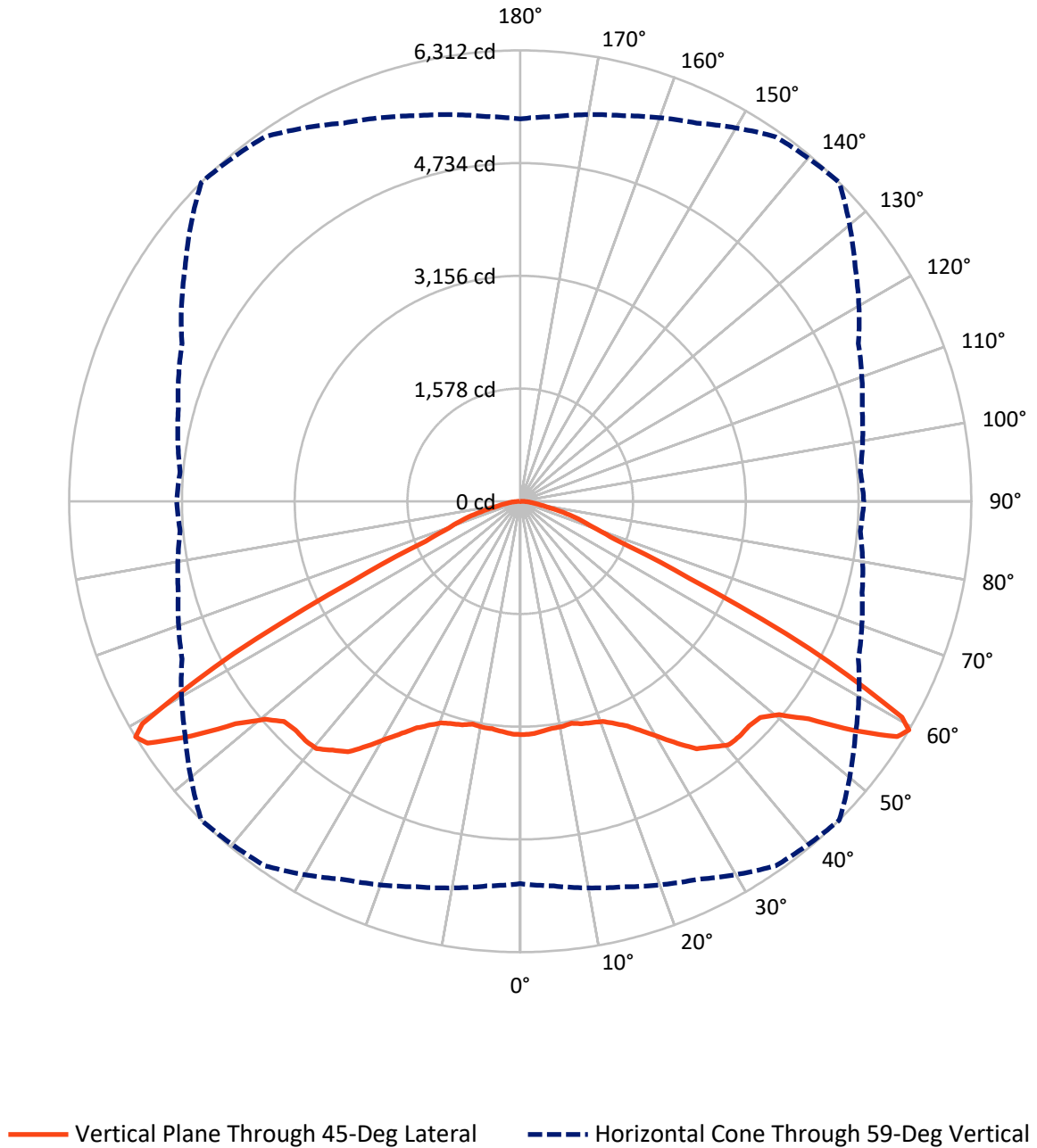
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.2 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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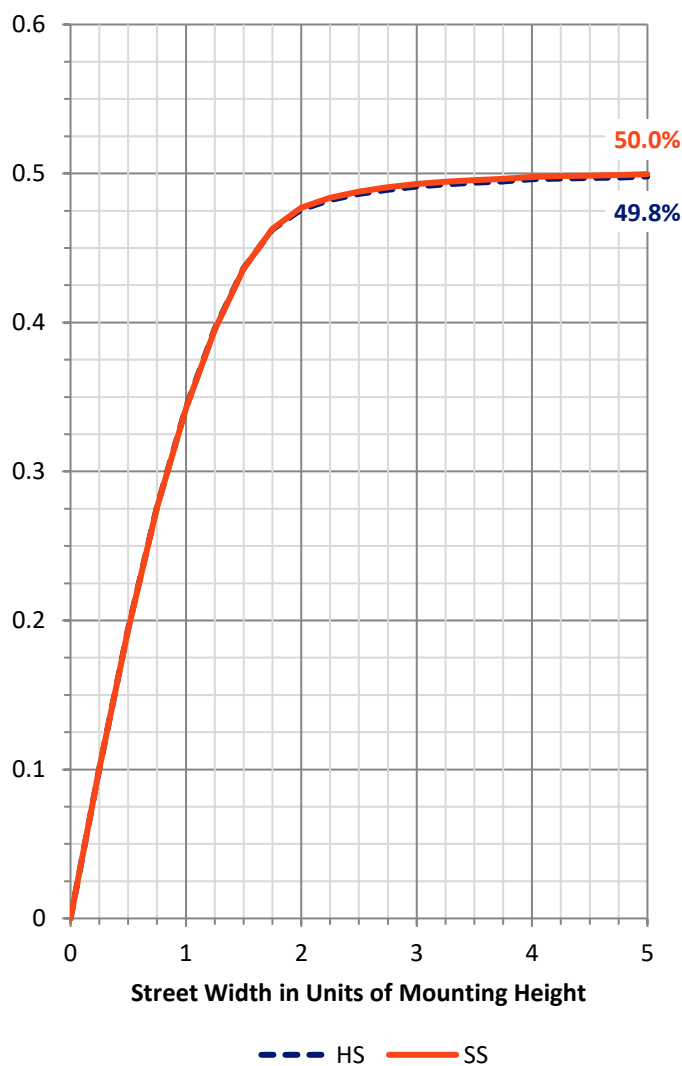
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8456.0	0.0	8456.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8456.0	0.0	8456.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	16912.0	0.0	16912.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	307.9	1.8
10°-20°	915.7	5.4
20°-30°	1599.0	9.5
30°-40°	2553.8	15.1
40°-50°	3478.8	20.6
50°-60°	4704.3	27.8
60°-70°	2579.8	15.3
70°-80°	660.0	3.9
80°-90°	112.6	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°	16912.0	100.0
0°-180°	16912.0	100.0

Coefficient of Utilization



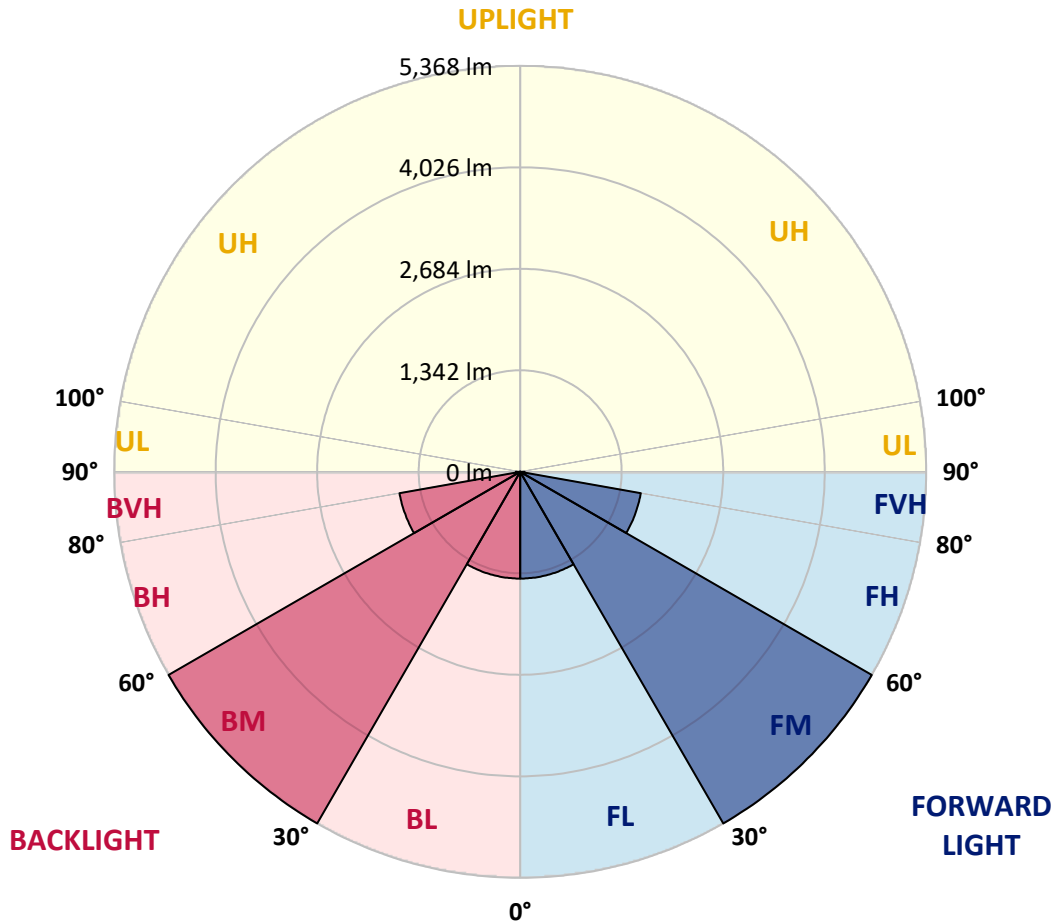
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1411.3	8.3			
FM (30°-60°)	5368.5	31.7			
FH (60°-80°)	1619.9	9.6			G1/1800
FVH (80°-90°)	56.3	0.3			G1/100
BL (0°-30°)	1411.3	8.3	B3/2500		
BM (30°-60°)	5368.5	31.7	B4/8500		
BH (60°-80°)	1619.9	9.6	B3/2500		G1/1800
BVH (80°-90°)	56.3	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°	3266.6	3266.6	3266.6	3266.6	3266.6	3266.6	3266.6	3266.6	3266.6	3266.6	3266.6
2.5°	3247.1	3270.9	3253.6	3268.8	3266.6	3260.1	3249.2	3242.7	3234.1	3247.1	3225.4
5°	3234.1	3253.6	3273.1	3247.1	3247.1	3234.1	3227.6	3214.6	3214.6	3212.4	3210.2
7.5°	3255.8	3236.2	3227.6	3231.9	3236.2	3208.1	3227.6	3201.6	3179.9	3195.1	3212.4
10°	3236.2	3244.9	3212.4	3227.6	3203.7	3208.1	3195.1	3212.4	3188.6	3188.6	3188.6
12.5°	3255.8	3231.9	3242.7	3231.9	3225.4	3188.6	3205.9	3186.4	3184.2	3205.9	3186.4
15°	3294.8	3255.8	3247.1	3225.4	3231.9	3231.9	3214.6	3216.7	3192.9	3205.9	3210.2
17.5°	3281.8	3260.1	3253.6	3227.6	3249.2	3255.8	3223.2	3201.6	3216.7	3214.6	3212.4
20°	3292.6	3301.3	3294.8	3299.1	3307.8	3290.4	3260.1	3229.7	3210.2	3238.4	3236.2
22.5°	3362.0	3353.3	3349.0	3344.6	3359.8	3377.1	3336.0	3288.3	3288.3	3307.8	3316.4
25°	3418.3	3416.2	3414.0	3433.5	3485.5	3485.5	3433.5	3372.8	3357.6	3370.6	3359.8
27.5°	3500.7	3524.5	3515.9	3550.5	3626.4	3643.8	3574.4	3502.9	3461.7	3446.5	3466.0
30°	3689.3	3661.1	3667.6	3704.4	3771.6	3828.0	3721.8	3645.9	3589.6	3587.4	3596.1
32.5°	3815.0	3836.7	3856.2	3890.9	3997.1	4040.4	3912.5	3789.0	3754.3	3734.8	3741.3
35°	4066.4	4046.9	4042.6	4077.3	4183.5	4255.0	4094.6	3986.2	3940.7	3984.1	3984.1
37.5°	4304.9	4250.7	4209.5	4255.0	4352.6	4361.2	4224.7	4166.1	4142.3	4192.2	4190.0
40°	4417.6	4413.3	4317.9	4343.9	4473.9	4487.0	4359.1	4289.7	4285.4	4350.4	4415.4
42.5°	4534.6	4493.5	4398.1	4415.4	4495.6	4500.0	4378.6	4359.1	4406.8	4469.6	4473.9
45°	4554.2	4519.5	4458.8	4415.4	4473.9	4487.0	4415.4	4428.4	4432.8	4508.6	4508.6
47.5°	4593.2	4588.8	4554.2	4521.6	4532.5	4521.6	4476.1	4495.6	4560.7	4597.5	4580.2
50°	4701.5	4656.0	4690.7	4662.5	4664.7	4695.0	4653.9	4673.4	4660.4	4627.8	4606.2
52.5°	4940.0	4918.3	4948.7	4968.2	4989.8	5059.2	5011.5	4907.5	4809.9	4723.2	4721.1
55°	5289.0	5304.1	5362.7	5462.4	5546.9	5657.5	5427.7	5178.4	5022.4	4885.8	4894.5
57.5°	5618.4	5607.6	5687.8	5915.4	6162.5	6218.9	5768.0	5412.5	5158.9	5072.2	5035.4
59°	5354.0	5406.0	5588.1	5841.7	6229.7	6312.1	5722.5	5221.8	4953.0	4777.4	4807.8
60°	4937.8	4957.3	5119.9	5473.2	5997.8	6138.7	5416.9	4927.0	4569.3	4467.4	4513.0
62.5°	3489.9	3474.7	3591.7	3880.0	4350.4	4541.1	4027.4	3682.8	3457.3	3344.6	3370.6
65°	1855.5	1924.8	1972.5	2152.4	2401.7	2603.3	2390.9	2241.3	2115.6	2022.4	2020.2
67.5°	1252.9	1244.2	1255.0	1296.2	1380.8	1437.1	1432.8	1356.9	1346.1	1328.7	1348.3
70°	1055.6	1051.3	1031.8	1031.8	1049.1	1062.1	1077.3	1086.0	1103.3	1125.0	1122.8
72.5°	856.2	845.4	832.4	825.9	847.5	854.0	873.5	882.2	897.4	895.2	914.7
75°	565.7	565.7	580.9	598.3	604.8	617.8	619.9	645.9	645.9	650.3	632.9
77.5°	316.5	307.8	318.6	336.0	351.2	375.0	398.8	418.3	429.2	424.9	424.9
80°	184.2	184.2	195.1	214.6	234.1	255.8	273.1	288.3	299.1	294.8	286.1
82.5°	114.9	114.9	125.7	145.2	160.4	173.4	197.3	216.8	229.8	225.4	214.6
85°	58.5	58.5	71.5	84.5	104.0	112.7	110.5	101.9	99.7	88.9	88.9
87.5°	15.2	15.2	21.7	23.8	19.5	21.7	21.7	21.7	21.7	21.7	23.8
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)