

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: P648408

Luminaire Tested: **GALN-SA5B-835-U-5MQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P648408
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-3)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA5B-835-U-5MQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(5) 80 CRI, 3500K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13390.9 lumens
Efficiency: N/A
Efficacy: 65.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G0

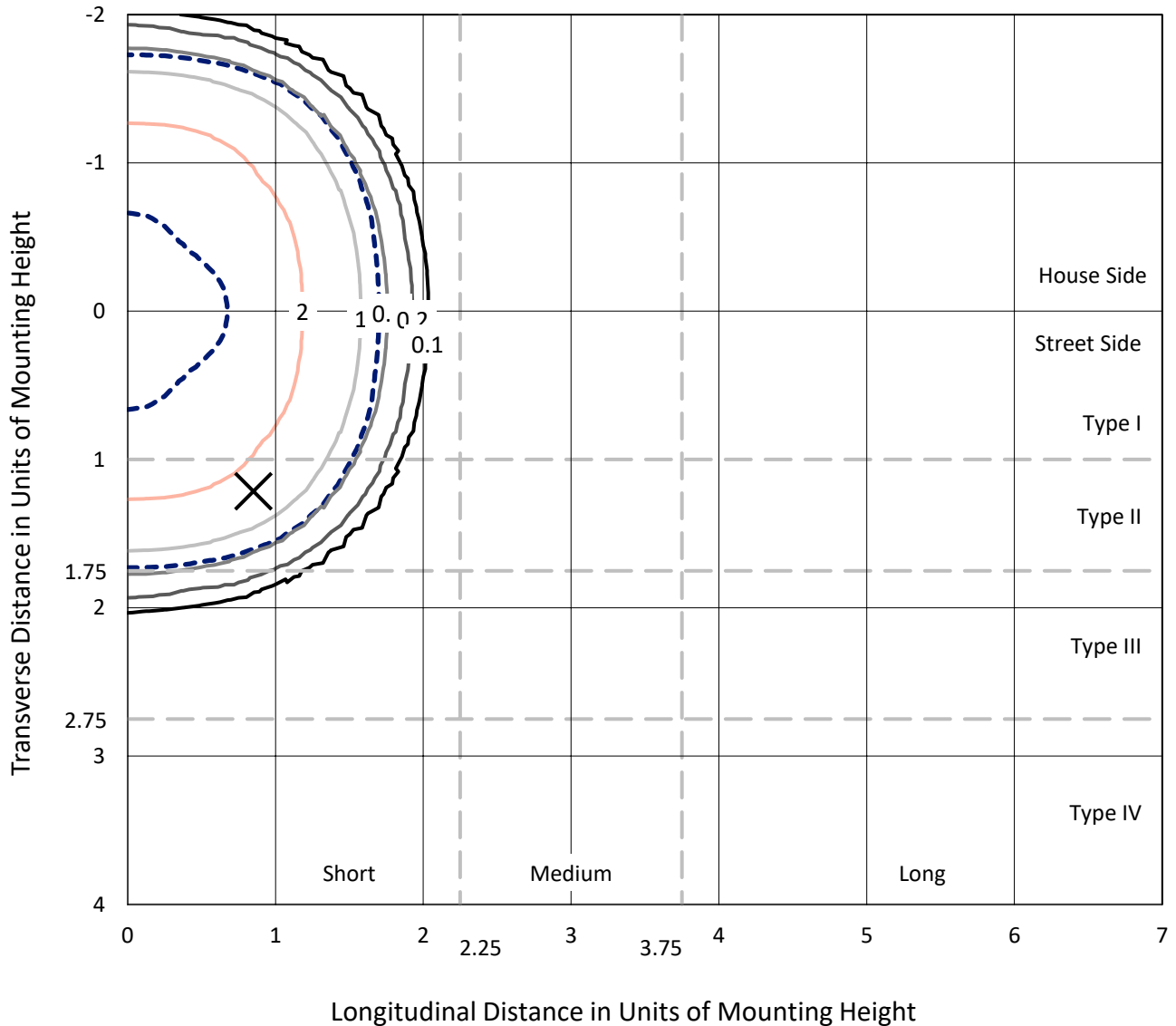
Input Watts (W): 204
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P648408
 CATALOG NUMBER: GALN-SA5B-835-U-5MQ-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

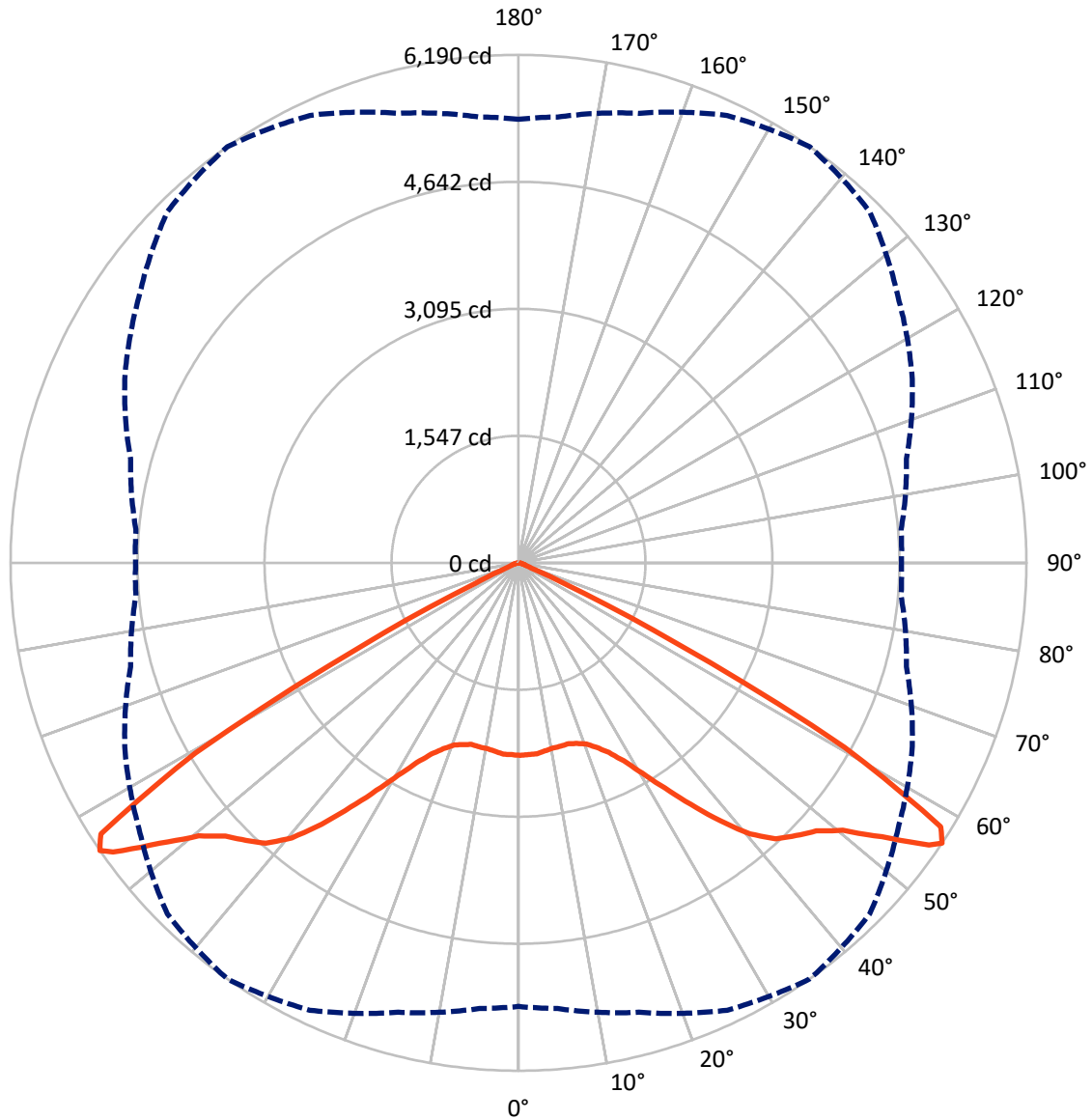
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.8 fc
 Type V - Short - N/A

REPORT NUMBER: P648408
CATALOG NUMBER: GALN-SA5B-835-U-5MQ-GRSBK

Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 56-Deg Vertical

REPORT NUMBER: P648408
 CATALOG NUMBER: GALN-SA5B-835-U-5MQ-GRSBK

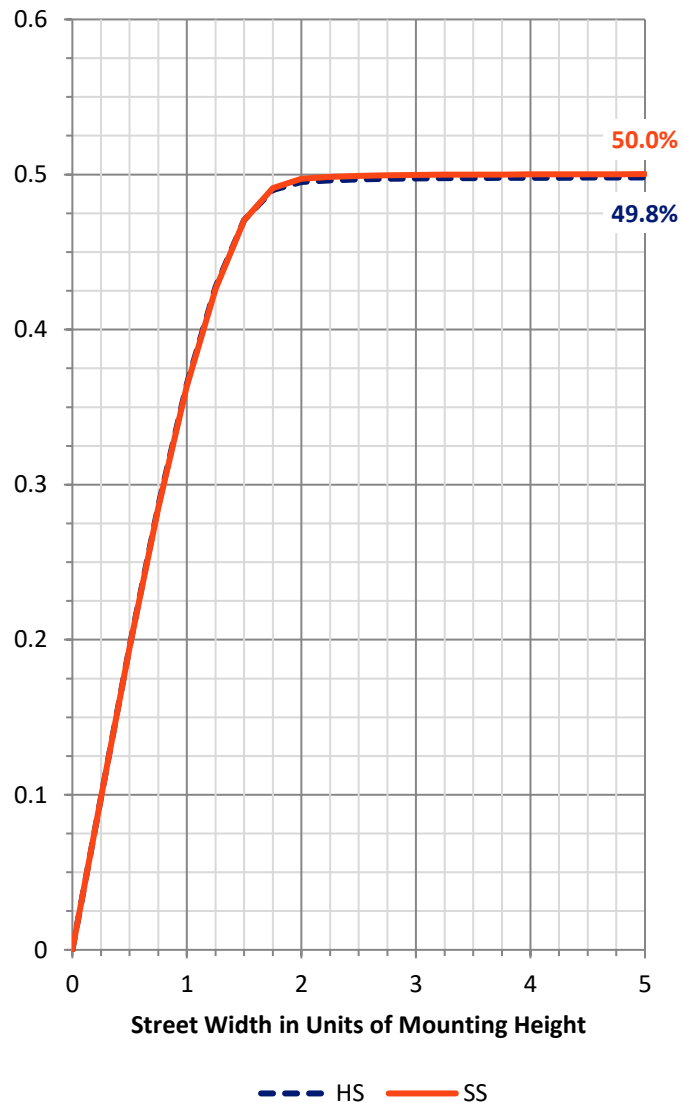
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6695.4	0.0	6695.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6695.4	0.0	6695.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	13390.9	0.0	13390.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	220.5	1.6
10°-20°	643.8	4.8
20°-30°	1165.9	8.7
30°-40°	2161.9	16.1
40°-50°	3548.7	26.5
50°-60°	4571.7	34.1
60°-70°	1007.6	7.5
70°-80°	58.5	0.4
80°-90°	12.3	0.1
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°	13390.9	100.0
0°-180°	13390.9	100.0

Coefficient of Utilization

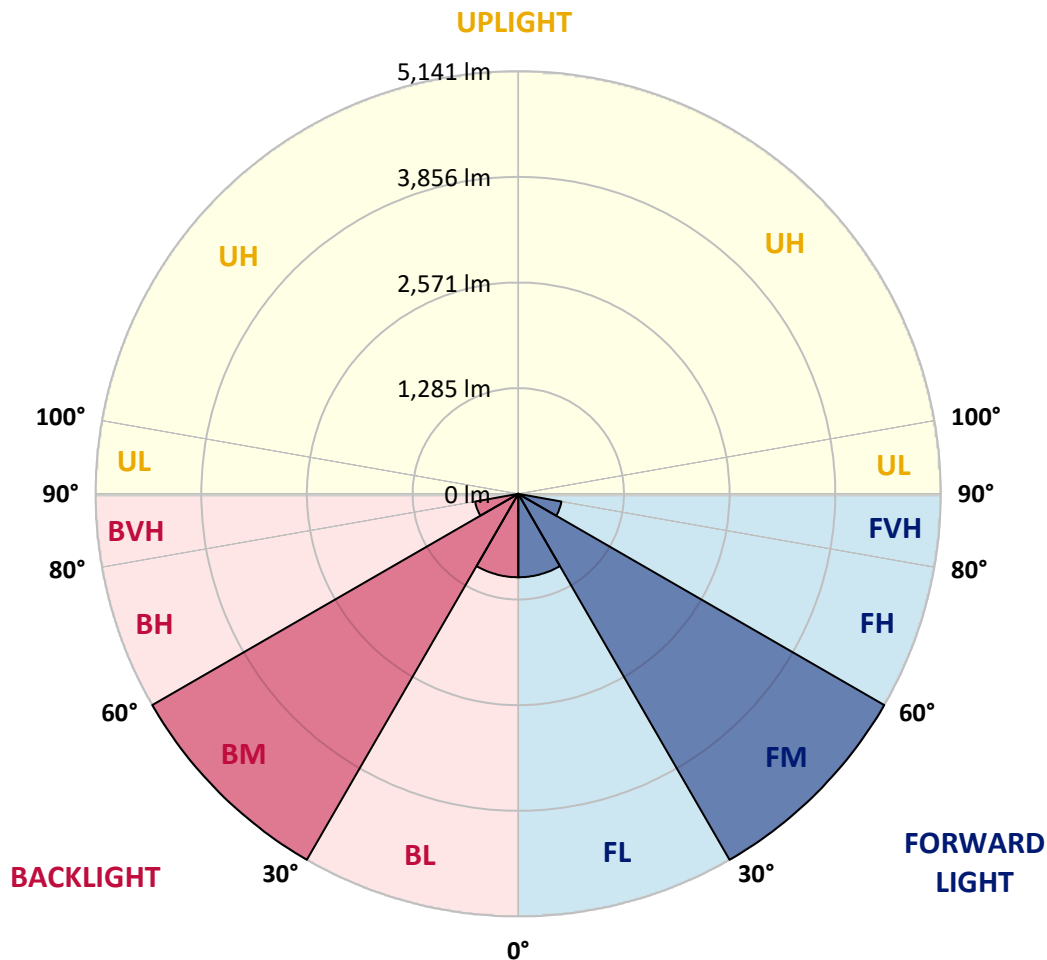


REPORT NUMBER: P648408
 CATALOG NUMBER: GALN-SA5B-835-U-5MQ-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1015.1	7.6			
FM (30°-60°)	5141.2	38.4			
FH (60°-80°)	533.0	4.0			G0/660
FVH (80°-90°)	6.2	0.0			G0/10
BL (0°-30°)	1015.1	7.6	B3/2500		
BM (30°-60°)	5141.2	38.4	B4/8500		
BH (60°-80°)	533.0	4.0	B2/1000		G0/660
BVH (80°-90°)	6.2	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G0
 Type V Short





REPORT NUMBER: P648408

CATALOG NUMBER: GALN-SA5B-835-U-5MQ-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2346.3	2346.3	2346.3	2346.3	2346.3	2346.3	2346.3	2346.3	2346.3	2346.3	2346.3
2.5°	2351.2	2351.2	2353.6	2356.0	2339.1	2331.8	2334.2	2329.3	2326.9	2334.2	2334.2
5°	2343.9	2343.9	2336.6	2339.1	2339.1	2317.3	2317.3	2322.1	2322.1	2307.6	2302.7
7.5°	2324.5	2319.7	2310.0	2322.1	2314.9	2314.9	2297.9	2285.7	2280.9	2290.6	2280.9
10°	2283.3	2285.7	2295.4	2300.3	2295.4	2310.0	2280.9	2263.9	2246.9	2239.6	2239.6
12.5°	2263.9	2278.5	2263.9	2276.0	2293.0	2280.9	2263.9	2251.8	2227.5	2217.8	2217.8
15°	2261.5	2271.2	2276.0	2293.0	2285.7	2290.6	2256.6	2242.0	2205.6	2188.6	2181.4
17.5°	2259.0	2271.2	2278.5	2310.0	2314.9	2317.3	2290.6	2246.9	2215.3	2198.4	2181.4
20°	2285.7	2290.6	2305.2	2336.6	2356.0	2390.0	2341.5	2295.4	2227.5	2208.1	2200.8
22.5°	2319.7	2343.9	2358.5	2392.5	2443.4	2472.6	2409.4	2351.2	2280.9	2256.6	2227.5
25°	2428.9	2424.0	2448.3	2518.7	2559.9	2581.7	2530.8	2445.9	2353.6	2324.5	2329.3
27.5°	2564.7	2569.6	2591.4	2669.1	2729.8	2763.7	2703.1	2591.4	2501.7	2453.1	2448.3
30°	2741.9	2737.1	2761.3	2865.6	2974.9	3025.7	2919.0	2787.9	2700.6	2637.5	2652.1
32.5°	2928.7	2931.2	2999.0	3093.7	3270.8	3370.3	3198.1	3037.9	2906.9	2863.2	2841.4
35°	3205.3	3217.4	3270.8	3416.5	3613.0	3741.6	3552.3	3360.6	3210.1	3130.1	3139.8
37.5°	3547.5	3535.3	3625.1	3782.8	3989.1	4083.7	3923.5	3705.2	3552.3	3498.9	3532.9
40°	3911.4	3923.5	3969.7	4112.8	4343.3	4406.4	4168.6	4049.8	3916.3	3889.6	3930.8
42.5°	4275.4	4268.1	4302.1	4430.7	4598.1	4554.4	4413.7	4343.3	4248.7	4195.3	4251.1
45°	4542.3	4530.1	4593.2	4680.6	4741.3	4658.8	4595.7	4571.4	4522.9	4464.7	4515.6
47.5°	4801.9	4792.2	4852.9	4877.2	4882.0	4772.8	4784.9	4828.6	4707.3	4586.0	4644.2
50°	5022.7	5005.7	5081.0	5134.4	5122.2	4947.5	4991.2	4947.5	4758.2	4615.1	4593.2
52.5°	5391.6	5398.9	5478.9	5576.0	5546.9	5401.3	5338.2	5139.2	4896.6	4767.9	4692.8
55°	5624.5	5588.1	5726.4	6034.6	6068.6	5918.1	5639.0	5345.5	4981.4	4823.7	4804.3
56°	5406.1	5452.2	5670.6	6015.2	6189.8	6051.6	5646.3	5294.5	4894.1	4680.6	4666.1
57.5°	4850.5	4826.2	5122.2	5593.0	6068.6	6010.3	5447.3	4930.6	4464.7	4224.4	4195.3
60°	3018.5	3088.9	3348.5	3930.8	4566.5	4595.7	4037.6	3593.6	3050.0	2836.5	2887.5
62.5°	1181.7	1121.0	1283.6	1717.9	2154.7	2251.8	2040.7	1696.1	1392.8	1181.7	1167.1
65°	274.2	266.9	300.9	414.9	579.9	672.1	638.1	458.6	337.2	320.3	296.1
67.5°	155.3	155.3	148.0	148.0	162.6	172.3	165.0	162.6	169.8	177.1	174.7
70°	109.2	106.8	101.9	104.4	99.5	99.5	106.8	118.9	128.6	128.6	131.0
72.5°	65.5	65.5	65.5	72.8	72.8	72.8	80.1	89.8	92.2	89.8	87.4
75°	29.1	29.1	34.0	41.3	46.1	48.5	55.8	60.7	65.5	60.7	55.8
77.5°	7.3	7.3	12.1	17.0	21.8	26.7	36.4	43.7	46.1	43.7	36.4
80°	2.4	2.4	4.9	12.1	21.8	26.7	36.4	38.8	41.3	36.4	29.1
82.5°	2.4	2.4	4.9	12.1	17.0	21.8	29.1	34.0	36.4	31.6	29.1
85°	0.0	2.4	4.9	9.7	14.6	19.4	19.4	14.6	12.1	7.3	9.7
87.5°	0.0	0.0	2.4	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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)