

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: P648084

Luminaire Tested: **GALN-SA8A-835-U-5WQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P648084
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-1)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA8A-835-U-5WQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 80 CRI, 3500K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15082.1 lumens
Efficiency: N/A
Efficacy: 61.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

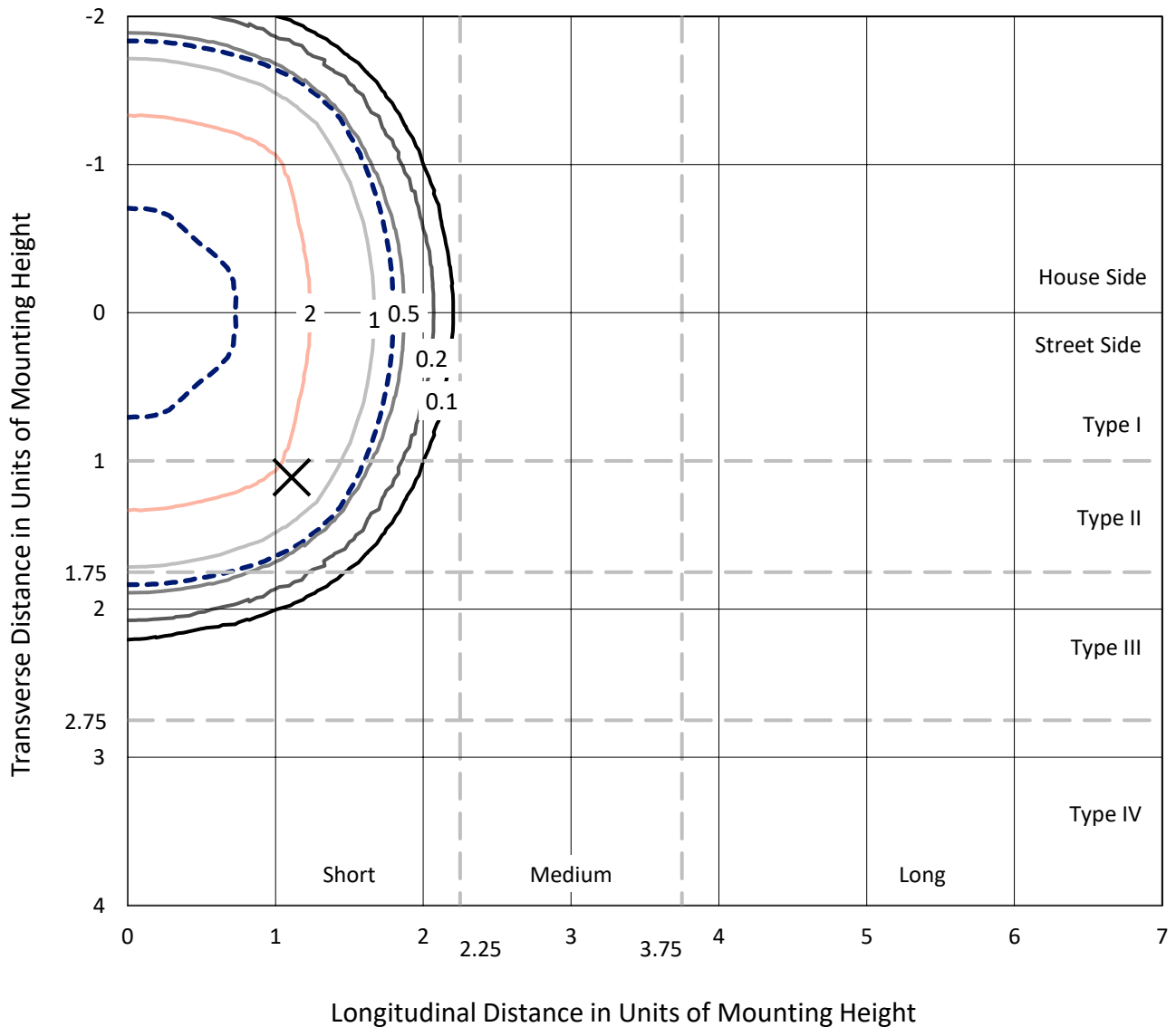
Input Watts (W): 244
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P648084
 CATALOG NUMBER: GALN-SA8A-835-U-5WQ-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

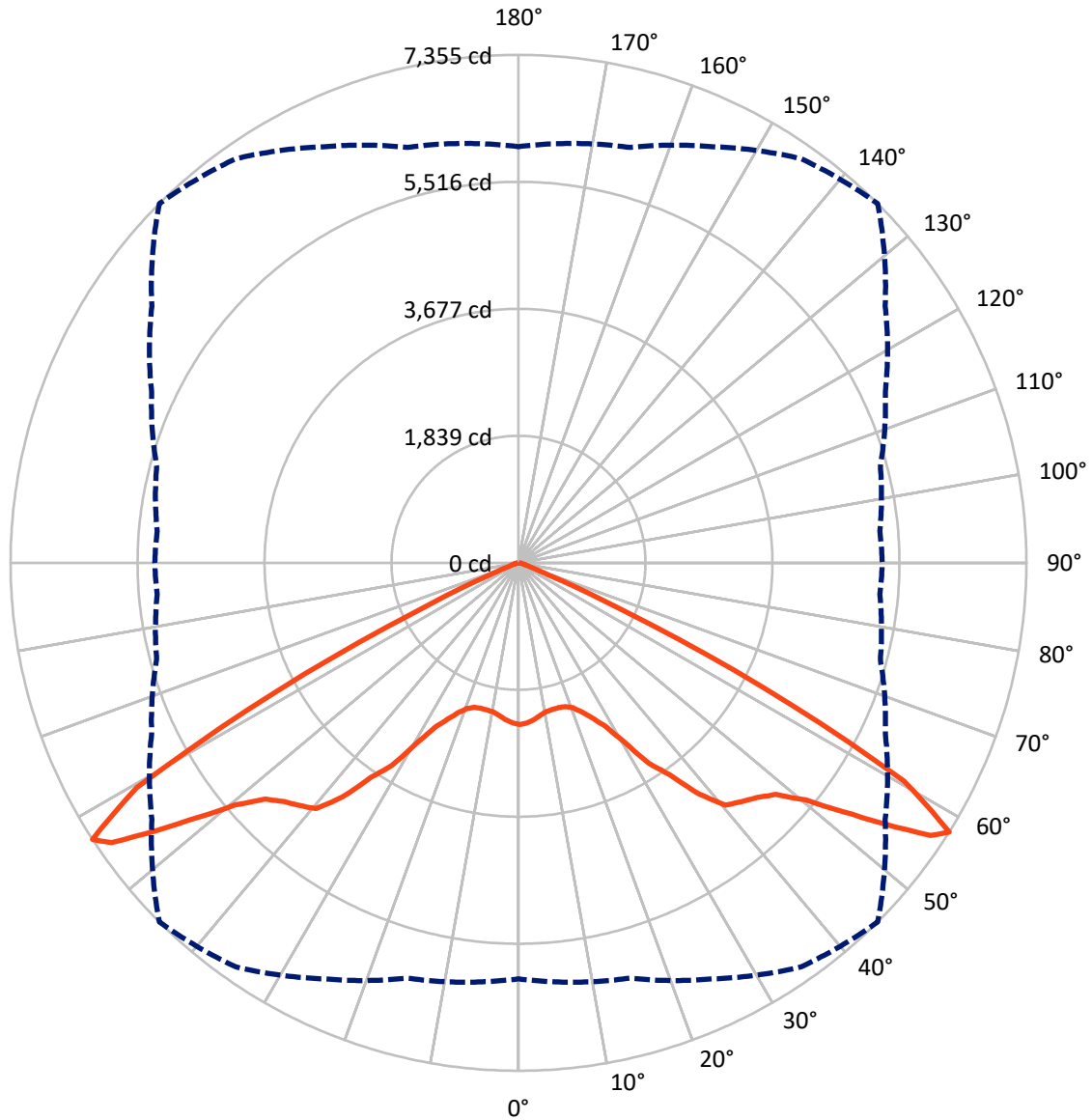
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.7 fc
 Type V - Short - N/A

REPORT NUMBER: P648084
CATALOG NUMBER: GALN-SA8A-835-U-5WQ-GRSBK

Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

REPORT NUMBER: P648084
 CATALOG NUMBER: GALN-SA8A-835-U-5WQ-GRSBK

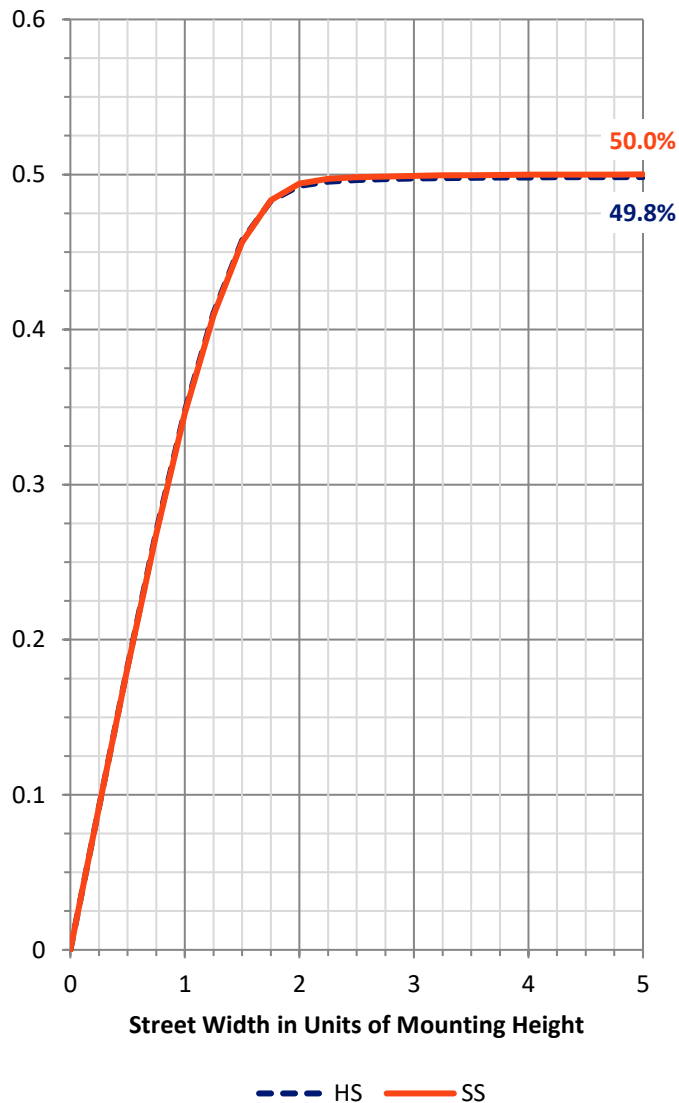
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7541.1	0.0	7541.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7541.1	0.0	7541.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	15082.1	0.0	15082.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	215.0	1.4
10°-20°	621.4	4.1
20°-30°	1147.0	7.6
30°-40°	2255.7	15.0
40°-50°	3673.9	24.4
50°-60°	5239.5	34.7
60°-70°	1814.0	12.0
70°-80°	97.3	0.6
80°-90°	18.3	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°	15082.1	100.0
0°-180°	15082.1	100.0

Coefficient of Utilization



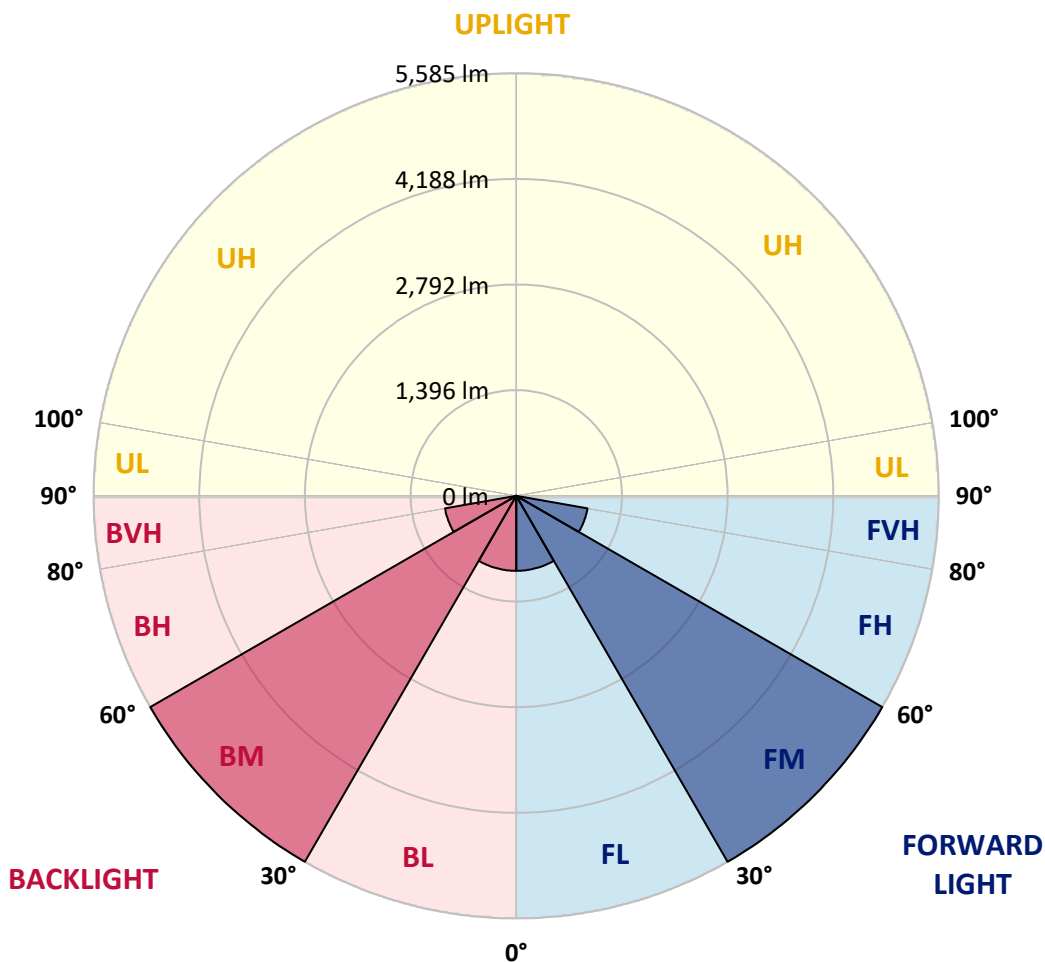
REPORT NUMBER: P648084
 CATALOG NUMBER: GALN-SA8A-835-U-5WQ-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	991.7	6.6			
FM (30°-60°)	5584.6	37.0			
FH (60°-80°)	955.7	6.3			G1/1800
FVH (80°-90°)	9.1	0.1			G0/10
BL (0°-30°)	991.7	6.6	B2/1000		
BM (30°-60°)	5584.6	37.0	B4/8500		
BH (60°-80°)	955.7	6.3	B2/1000		G1/1800
BVH (80°-90°)	9.1	0.1			G0/10
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: P648084

CATALOG NUMBER: GALN-SA8A-835-U-5WQ-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2339.4	2339.4	2339.4	2339.4	2339.4	2339.4	2339.4	2339.4	2339.4	2339.4	2339.4
2.5°	2333.1	2345.7	2330.0	2323.7	2320.5	2320.5	2311.1	2311.1	2308.0	2311.1	2298.5
5°	2295.4	2308.0	2308.0	2304.8	2286.0	2282.8	2273.4	2267.1	2270.2	2257.6	2267.1
7.5°	2257.6	2267.1	2254.5	2251.4	2245.1	2232.5	2229.4	2201.0	2204.2	2204.2	2210.5
10°	2251.4	2248.2	2229.4	2213.6	2194.7	2191.6	2182.1	2175.9	2175.9	2172.7	2182.1
12.5°	2251.4	2235.6	2232.5	2197.9	2166.5	2179.0	2153.9	2138.1	2160.1	2166.5	2179.0
15°	2248.2	2264.0	2210.5	2194.7	2172.7	2175.9	2153.9	2138.1	2150.7	2157.0	2166.5
17.5°	2267.1	2257.6	2241.9	2210.5	2201.0	2188.5	2160.1	2147.6	2147.6	2163.4	2166.5
20°	2317.4	2292.2	2260.8	2245.1	2254.5	2238.8	2204.2	2157.0	2169.6	2182.1	2191.6
22.5°	2364.6	2345.7	2323.7	2314.2	2367.7	2342.6	2282.8	2229.4	2210.5	2232.5	2248.2
25°	2455.7	2455.7	2414.9	2427.5	2487.2	2490.3	2421.1	2326.8	2314.2	2323.7	2330.0
27.5°	2641.3	2650.7	2616.1	2628.7	2653.8	2675.8	2616.1	2537.5	2509.2	2506.1	2515.5
30°	2842.5	2861.4	2858.2	2911.7	2984.0	2996.5	2908.5	2779.6	2694.7	2679.0	2691.6
32.5°	3106.6	3116.0	3109.8	3172.6	3367.6	3458.8	3229.2	3046.9	2933.7	2962.0	2933.7
35°	3603.4	3594.0	3524.8	3537.4	3697.8	3763.8	3543.7	3427.3	3373.9	3430.5	3417.9
37.5°	4031.0	3996.5	3939.9	4021.6	4188.3	4248.0	4018.5	3814.1	3716.6	3810.9	3851.8
40°	4392.6	4304.6	4226.0	4307.8	4531.0	4612.7	4276.4	4109.7	4071.9	4141.1	4229.1
42.5°	4697.7	4641.1	4537.3	4543.6	4691.3	4729.1	4458.7	4361.2	4323.5	4433.5	4477.6
45°	4914.7	4861.2	4763.7	4757.4	4870.6	4845.4	4603.3	4537.3	4559.3	4631.6	4653.6
47.5°	5024.7	5053.0	4996.4	5012.1	5071.8	5012.1	4820.3	4820.3	4770.0	4814.0	4792.0
50°	5342.3	5254.2	5326.5	5326.5	5389.4	5395.7	5203.9	5134.8	4999.5	4924.1	4924.1
52.5°	5713.3	5719.6	5747.8	5851.7	5958.6	6049.8	5776.2	5480.6	5254.2	5156.8	5144.2
55°	6018.3	6081.2	6194.4	6389.4	6697.5	6823.2	6351.6	5823.3	5546.6	5395.7	5364.3
56°	6184.9	6125.2	6320.1	6587.5	6989.9	7153.4	6445.9	5892.5	5587.5	5417.7	5414.6
57.5°	6024.6	6090.6	6225.8	6647.2	7140.8	7354.6	6480.5	5861.1	5424.0	5251.0	5266.8
60°	4757.4	4820.3	5002.7	5474.3	6247.8	6414.5	5483.7	4832.8	4443.0	4194.5	4197.7
62.5°	2691.6	2738.7	2880.3	3317.3	3798.4	3958.8	3417.9	2984.0	2713.6	2575.2	2531.2
65°	990.5	971.6	993.6	1216.9	1512.4	1647.7	1421.2	1201.1	1059.6	1009.4	990.5
67.5°	371.1	342.7	320.7	342.7	430.8	455.9	418.2	349.1	327.0	336.5	342.7
70°	229.6	217.0	173.0	163.5	160.4	157.2	166.6	176.1	201.2	235.8	242.1
72.5°	160.4	151.0	122.6	116.4	110.1	106.9	122.6	135.2	157.2	182.4	185.5
75°	62.9	66.0	62.9	69.1	72.3	75.5	88.0	97.5	106.9	106.9	103.7
77.5°	12.6	12.6	18.9	25.1	31.5	40.9	59.7	69.1	72.3	69.1	59.7
80°	0.0	0.0	6.3	12.6	25.1	34.6	53.5	59.7	66.0	59.7	47.1
82.5°	0.0	0.0	6.3	15.7	25.1	31.5	50.3	62.9	72.3	66.0	50.3
85°	0.0	0.0	6.3	12.6	18.9	22.0	22.0	15.7	15.7	9.4	6.3
87.5°	0.0	0.0	0.0	0.0	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)