

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: P648194

Luminaire Tested: **GALN-SA1B-835-U-5WQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P648194
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-SA1B-835-U-5WQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 3500K, 800mA LIGHTSQUARE WITH 16 LEDS AND TYPE V WIDE OPTICS
WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2351.4 lumens
Efficiency: N/A
Efficacy: 53.4 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B1 - U0 - G0

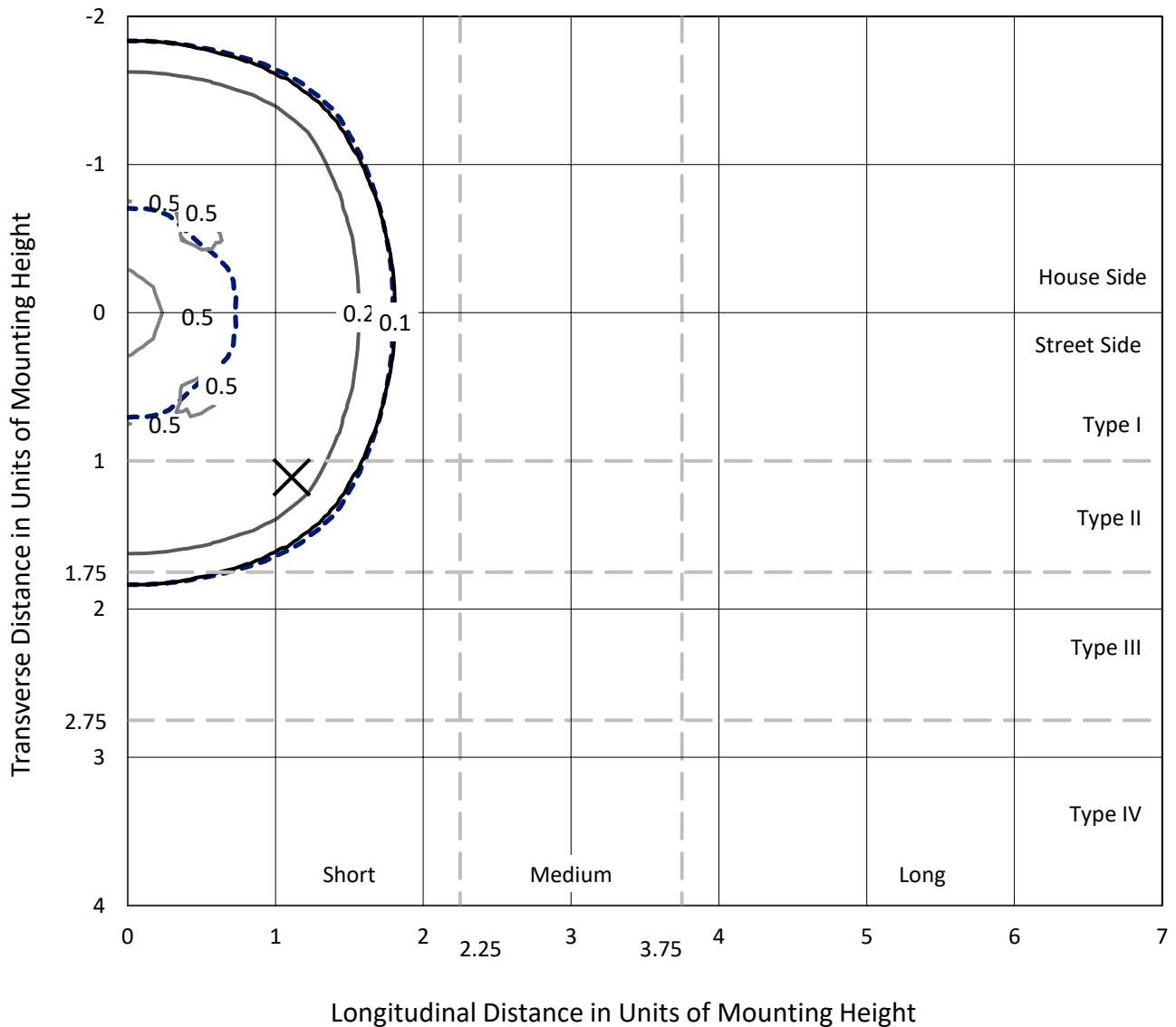
Input Watts (W): 44
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P648194
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Iso-Footcandle Lines of Horizontal Illumination

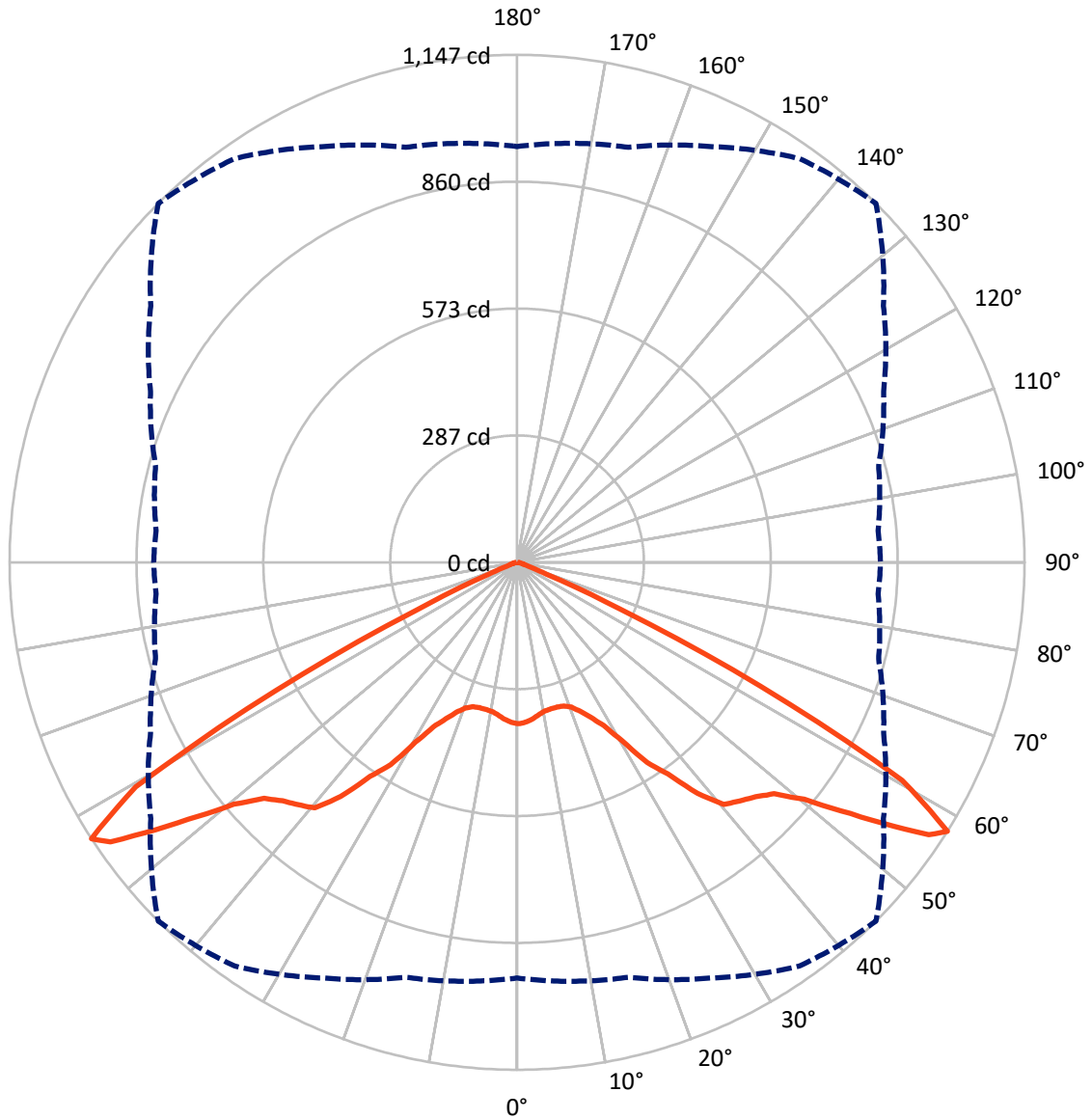
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.6 fc
 Type V - Short - N/A

REPORT NUMBER: P648194
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Luminous Intensity Polar Plot



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

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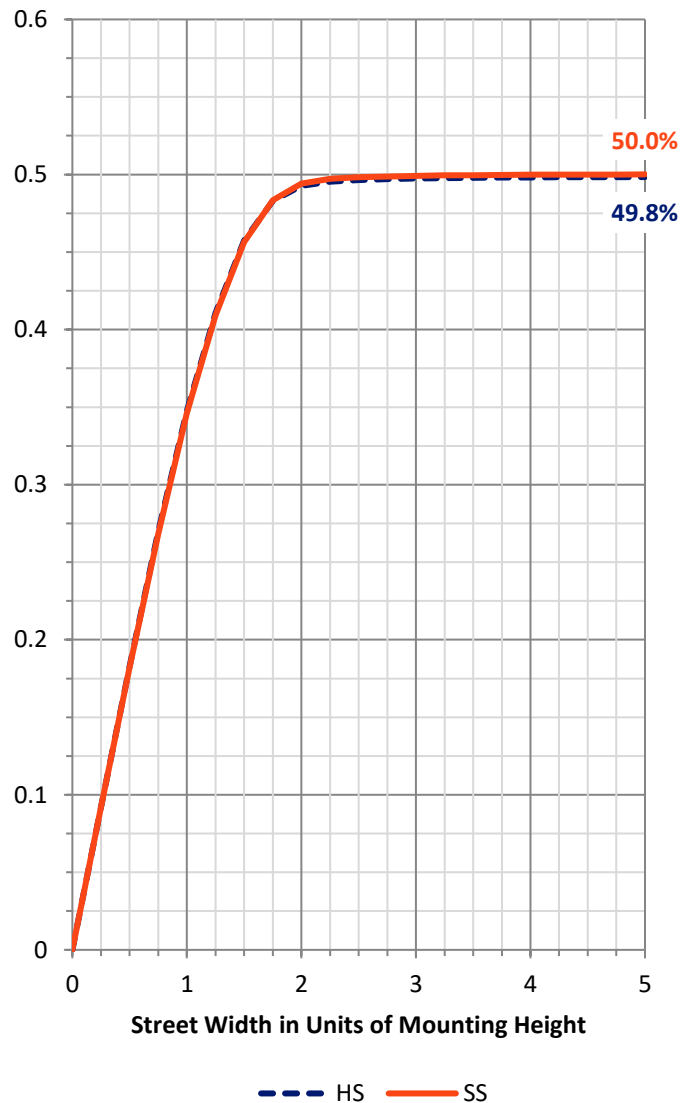
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1175.7	0.0	1175.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1175.7	0.0	1175.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	2351.4	0.0	2351.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	33.5	1.4
10°-20°	96.9	4.1
20°-30°	178.8	7.6
30°-40°	351.7	15.0
40°-50°	572.8	24.4
50°-60°	816.9	34.7
60°-70°	282.8	12.0
70°-80°	15.2	0.6
80°-90°	2.8	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°	2351.4	100.0
0°-180°	2351.4	100.0

Coefficient of Utilization

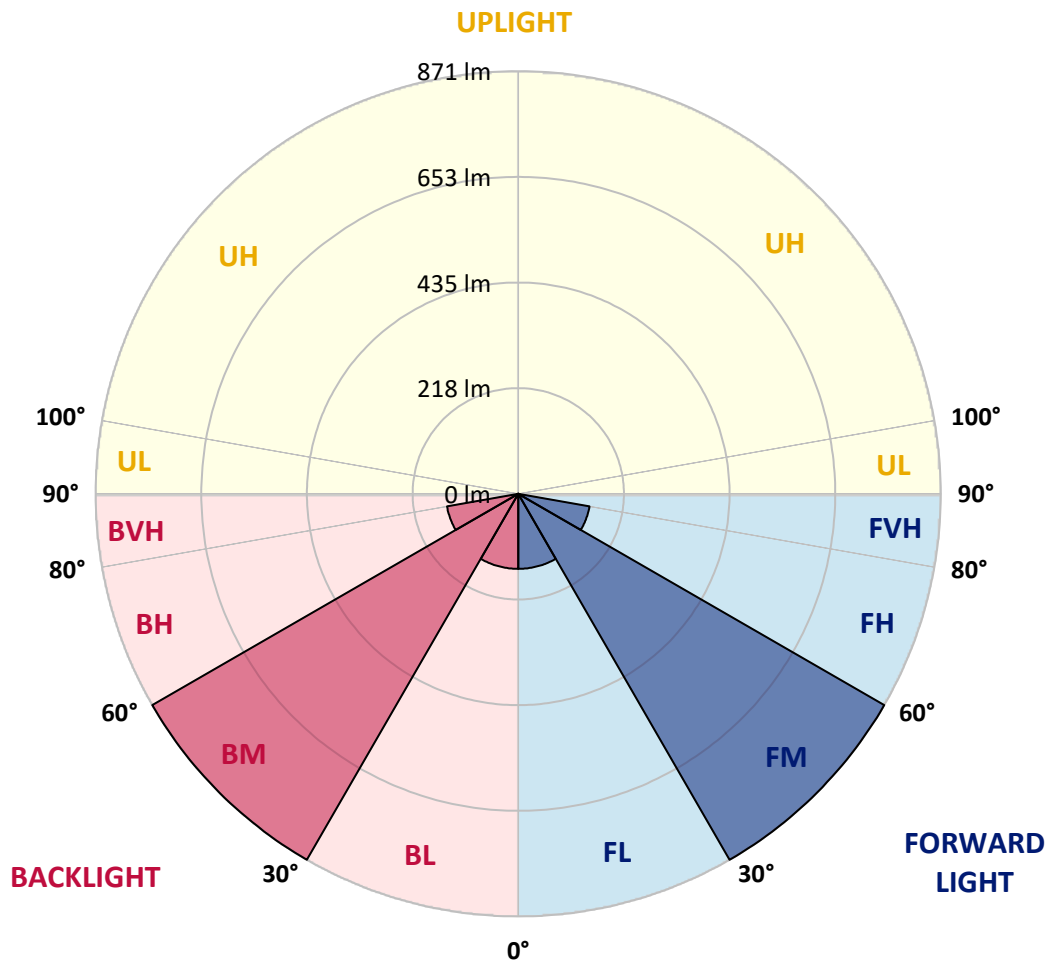


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	154.6	6.6			
FM (30°-60°)	870.7	37.0			
FH (60°-80°)	149.0	6.3			G0/660
FVH (80°-90°)	1.4	0.1			G0/10
BL (0°-30°)	154.6	6.6	B1/500		
BM (30°-60°)	870.7	37.0	B1/1000		
BH (60°-80°)	149.0	6.3	B1/500		G0/660
BVH (80°-90°)	1.4	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G0
 Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	364.7	364.7	364.7	364.7	364.7	364.7	364.7	364.7	364.7	364.7	364.7
2.5°	363.7	365.7	363.2	362.3	361.7	361.7	360.3	360.3	359.8	360.3	358.4
5°	357.8	359.8	359.8	359.3	356.4	355.9	354.4	353.4	353.9	352.0	353.4
7.5°	352.0	353.4	351.5	351.0	350.0	348.0	347.6	343.1	343.7	343.7	344.6
10°	351.0	350.5	347.6	345.1	342.2	341.7	340.2	339.2	339.2	338.7	340.2
12.5°	351.0	348.5	348.0	342.6	337.8	339.7	335.8	333.3	336.8	337.8	339.7
15°	350.5	353.0	344.6	342.2	338.7	339.2	335.8	333.3	335.3	336.3	337.8
17.5°	353.4	352.0	349.5	344.6	343.1	341.2	336.8	334.8	334.8	337.2	337.8
20°	361.3	357.4	352.4	350.0	351.5	349.1	343.7	336.3	338.3	340.2	341.7
22.5°	368.6	365.7	362.3	360.8	369.1	365.2	355.9	347.6	344.6	348.0	350.5
25°	382.9	382.9	376.5	378.4	387.7	388.2	377.5	362.8	360.8	362.3	363.2
27.5°	411.8	413.3	407.9	409.8	413.7	417.2	407.9	395.6	391.2	390.7	392.2
30°	443.2	446.1	445.6	453.9	465.2	467.1	453.4	433.3	420.1	417.7	419.6
32.5°	484.4	485.8	484.8	494.6	525.0	539.3	503.5	475.0	457.4	461.8	457.4
35°	561.8	560.3	549.5	551.5	576.5	586.8	552.5	534.3	526.0	534.8	532.8
37.5°	628.4	623.0	614.3	626.9	652.9	662.3	626.5	594.6	579.4	594.1	600.5
40°	684.8	671.1	658.8	671.6	706.4	719.1	666.7	640.7	634.9	645.6	659.4
42.5°	732.3	723.6	707.4	708.4	731.4	737.3	695.1	680.0	674.0	691.2	698.0
45°	766.2	757.9	742.7	741.7	759.4	755.4	717.7	707.4	710.8	722.1	725.5
47.5°	783.4	787.8	778.9	781.4	790.8	781.4	751.5	751.5	743.6	750.5	747.1
50°	832.9	819.2	830.4	830.4	840.2	841.2	811.3	800.5	779.5	767.7	767.7
52.5°	890.7	891.7	896.1	912.3	929.0	943.2	900.5	854.4	819.2	804.0	802.0
55°	938.3	948.1	965.8	996.1	1044.1	1063.8	990.3	907.9	864.7	841.2	836.3
56°	964.3	954.9	985.3	1027.0	1089.8	1115.2	1004.9	918.7	871.1	844.6	844.2
57.5°	939.3	949.5	970.6	1036.3	1113.3	1146.6	1010.3	913.8	845.6	818.6	821.1
60°	741.7	751.5	779.9	853.5	974.1	1000.0	855.0	753.5	692.6	654.0	654.4
62.5°	419.6	427.0	449.1	517.2	592.2	617.2	532.8	465.2	423.1	401.5	394.6
65°	154.4	151.5	154.9	189.7	235.8	256.9	221.6	187.3	165.2	157.4	154.4
67.5°	57.9	53.4	50.0	53.4	67.2	71.1	65.2	54.4	51.0	52.5	53.4
70°	35.8	33.8	26.9	25.5	25.0	24.5	26.0	27.5	31.4	36.8	37.7
72.5°	25.0	23.6	19.1	18.2	17.1	16.7	19.1	21.1	24.5	28.4	28.9
75°	9.8	10.3	9.8	10.8	11.3	11.7	13.7	15.2	16.7	16.7	16.2
77.5°	2.0	2.0	3.0	3.9	4.9	6.3	9.3	10.8	11.3	10.8	9.3
80°	0.0	0.0	1.0	2.0	3.9	5.4	8.3	9.3	10.3	9.3	7.4
82.5°	0.0	0.0	1.0	2.4	3.9	4.9	7.8	9.8	11.3	10.3	7.8
85°	0.0	0.0	1.0	2.0	3.0	3.4	3.4	2.4	2.4	1.5	1.0
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)