

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: P651659

Luminaire Tested: **GALN-SA1A-840-U-5WQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P651659
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-SA1A-840-U-5WQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 4000K, 615mA 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: 2030.2 lumens
Efficiency: N/A
Efficacy: 61.5 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): 33
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

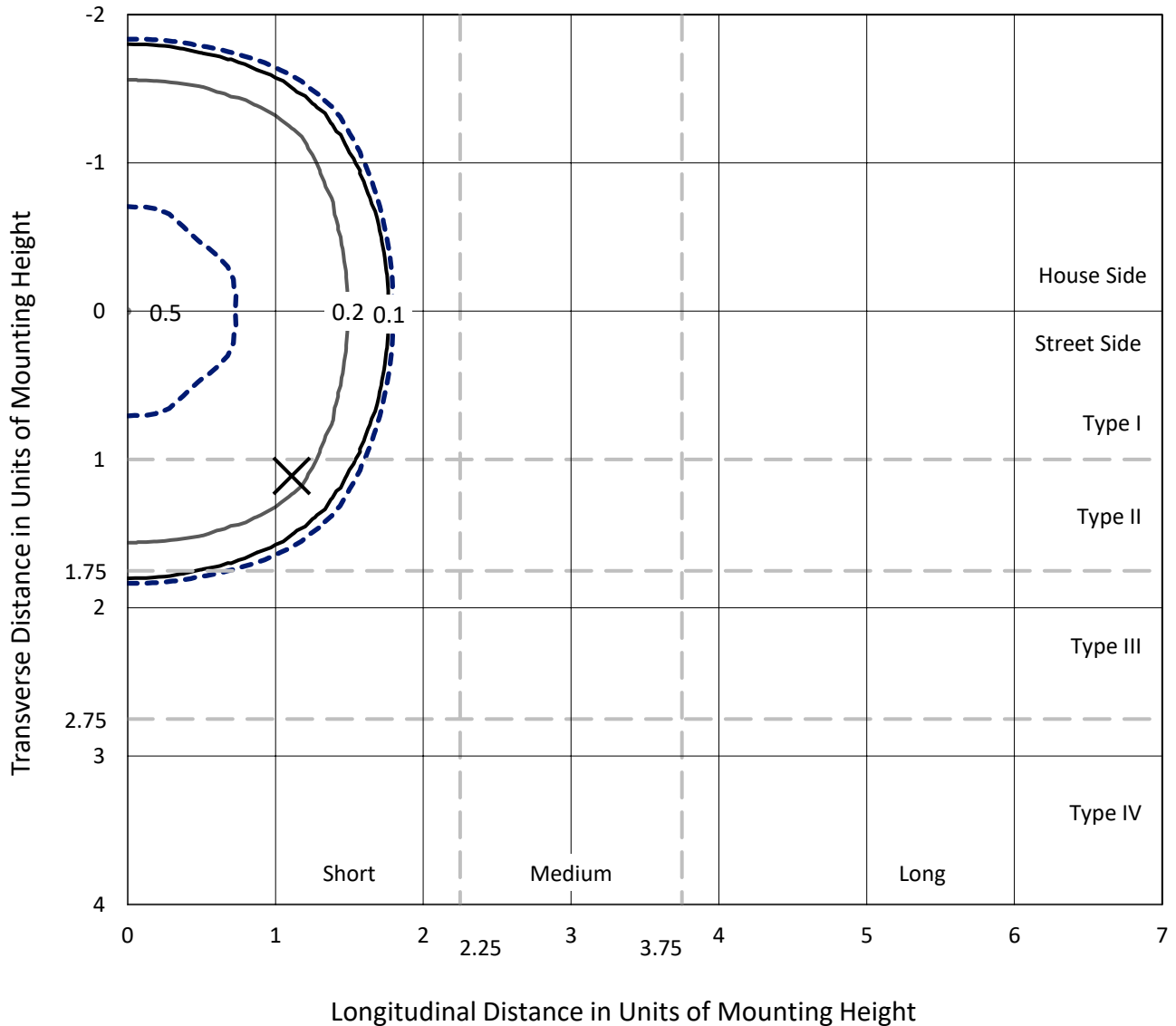




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Iso-Footcandle Lines of Horizontal Illumination

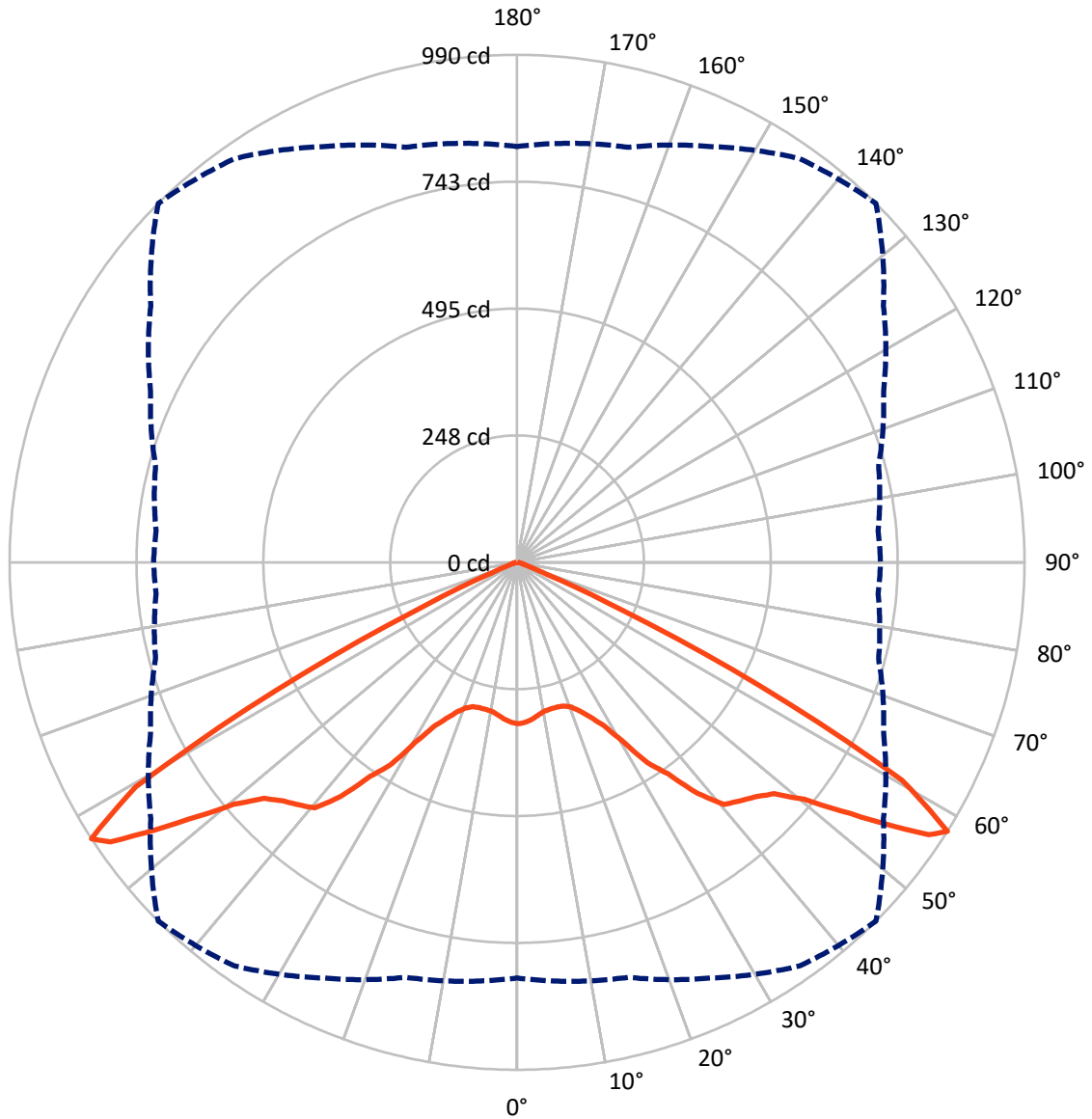
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.5 fc
 Type V - Short - N/A

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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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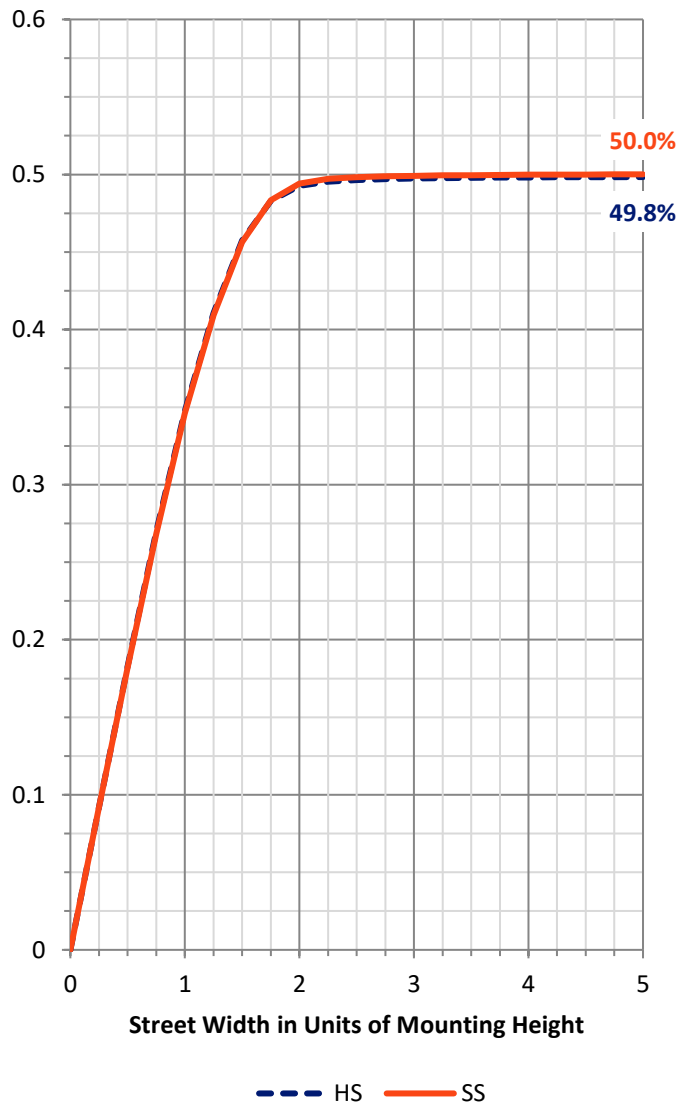
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1015.1	0.0	1015.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1015.1	0.0	1015.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	2030.2	0.0	2030.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	28.9	1.4
10°-20°	83.6	4.1
20°-30°	154.4	7.6
30°-40°	303.6	15.0
40°-50°	494.5	24.4
50°-60°	705.3	34.7
60°-70°	244.2	12.0
70°-80°	13.1	0.6
80°-90°	2.5	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°	2030.2	100.0
0°-180°	2030.2	100.0

Coefficient of Utilization

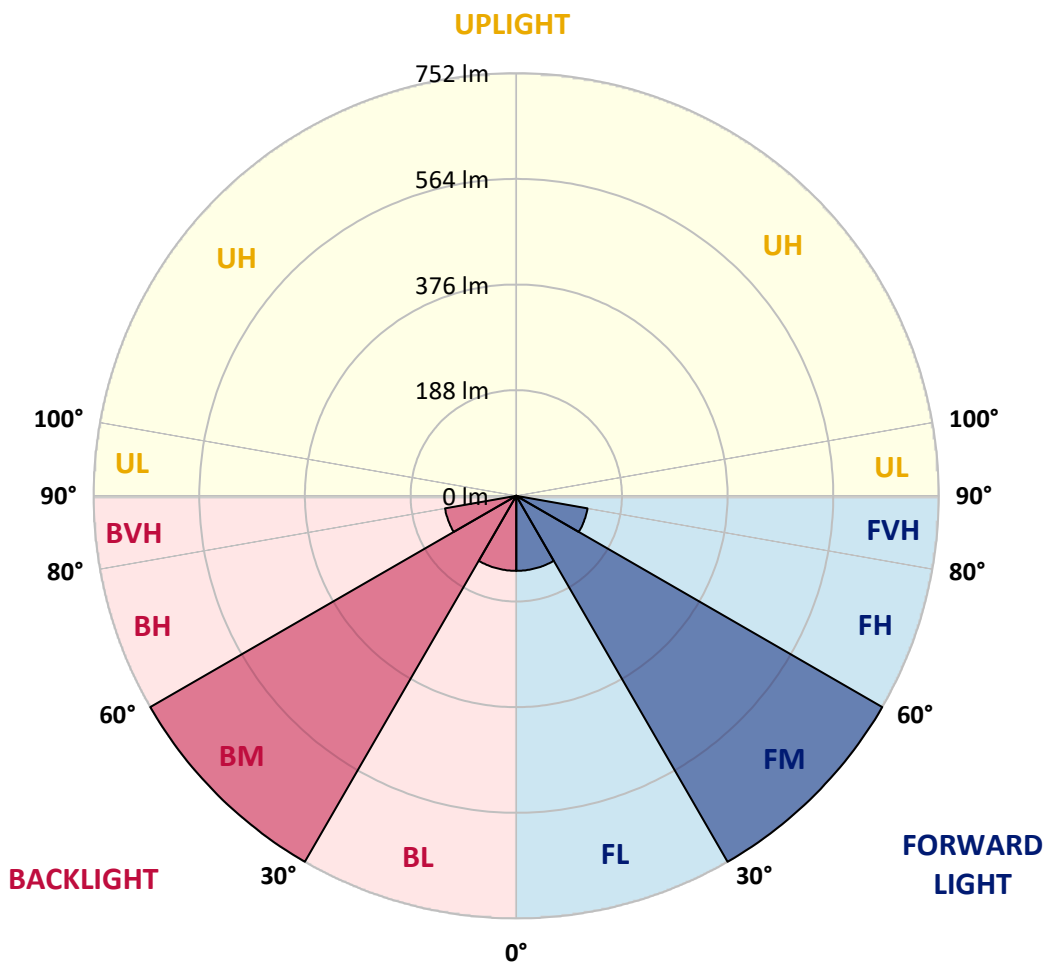


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	133.5	6.6			
FM (30°-60°)	751.7	37.0			
FH (60°-80°)	128.6	6.3			G0/660
FVH (80°-90°)	1.2	0.1			G0/10
BL (0°-30°)	133.5	6.6	B1/500		
BM (30°-60°)	751.7	37.0	B1/1000		
BH (60°-80°)	128.6	6.3	B1/500		G0/660
BVH (80°-90°)	1.2	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°	314.9	314.9	314.9	314.9	314.9	314.9	314.9	314.9	314.9	314.9	314.9
2.5°	314.0	315.7	313.6	312.8	312.3	312.3	311.1	311.1	310.7	311.1	309.4
5°	309.0	310.7	310.7	310.2	307.7	307.3	306.0	305.2	305.6	303.9	305.2
7.5°	303.9	305.2	303.4	303.0	302.2	300.5	300.1	296.3	296.7	296.7	297.5
10°	303.0	302.6	300.1	298.0	295.4	295.0	293.8	292.9	292.9	292.5	293.8
12.5°	303.0	300.9	300.5	295.9	291.7	293.3	289.9	287.8	290.7	291.7	293.3
15°	302.6	304.8	297.5	295.4	292.5	292.9	289.9	287.8	289.5	290.3	291.7
17.5°	305.2	303.9	301.8	297.5	296.3	294.6	290.7	289.1	289.1	291.2	291.7
20°	311.9	308.6	304.4	302.2	303.4	301.3	296.7	290.3	292.1	293.8	295.0
22.5°	318.3	315.7	312.8	311.5	318.7	315.3	307.3	300.1	297.5	300.5	302.6
25°	330.6	330.6	325.0	326.7	334.8	335.2	325.9	313.2	311.5	312.8	313.6
27.5°	355.6	356.8	352.1	353.8	357.3	360.2	352.1	341.5	337.7	337.3	338.6
30°	382.7	385.2	384.8	391.9	401.7	403.3	391.5	374.2	362.7	360.6	362.3
32.5°	418.1	419.4	418.6	427.1	453.3	465.6	434.7	410.2	394.9	398.7	394.9
35°	485.1	483.7	474.5	476.2	497.8	506.6	477.0	461.4	454.1	461.8	460.1
37.5°	542.6	538.0	530.3	541.4	563.8	571.8	540.9	513.4	500.3	513.0	518.5
40°	591.3	579.4	568.9	579.9	609.9	620.9	575.7	553.2	548.1	557.4	569.3
42.5°	632.3	624.7	610.7	611.6	631.5	636.6	600.1	587.0	582.0	596.8	602.7
45°	661.5	654.4	641.3	640.4	655.6	652.2	619.6	610.7	613.7	623.4	626.4
47.5°	676.3	680.2	672.5	674.7	682.7	674.7	648.8	648.8	642.1	648.0	645.0
50°	719.1	707.3	717.0	717.0	725.4	726.3	700.5	691.1	673.0	662.8	662.8
52.5°	769.1	769.9	773.7	787.7	802.1	814.3	777.5	737.7	707.3	694.2	692.5
55°	810.1	818.5	833.9	860.1	901.6	918.5	855.0	783.9	746.6	726.3	722.1
56°	832.5	824.5	850.8	886.8	940.9	962.9	867.7	793.1	752.1	729.2	728.8
57.5°	811.0	819.8	838.1	894.7	961.2	990.0	872.3	788.9	730.1	706.9	709.0
60°	640.4	648.8	673.4	736.9	841.0	863.5	738.1	650.5	598.0	564.6	565.1
62.5°	362.3	368.7	387.7	446.6	511.3	532.9	460.1	401.7	365.2	346.7	340.7
65°	133.3	130.8	133.7	163.8	203.6	221.8	191.3	161.7	142.6	135.9	133.3
67.5°	50.0	46.2	43.1	46.2	57.9	61.4	56.3	47.0	44.0	45.3	46.2
70°	30.9	29.2	23.3	22.0	21.6	21.2	22.5	23.7	27.1	31.7	32.6
72.5°	21.6	20.4	16.5	15.6	14.8	14.4	16.5	18.2	21.2	24.6	25.0
75°	8.5	8.9	8.5	9.3	9.8	10.2	11.9	13.1	14.4	14.4	14.0
77.5°	1.7	1.7	2.5	3.4	4.2	5.5	8.1	9.3	9.8	9.3	8.1
80°	0.0	0.0	0.8	1.7	3.4	4.6	7.2	8.1	8.9	8.1	6.3
82.5°	0.0	0.0	0.8	2.1	3.4	4.2	6.8	8.5	9.8	8.9	6.8
85°	0.0	0.0	0.8	1.7	2.5	2.9	2.9	2.1	2.1	1.3	0.8
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)