

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: P652154

Luminaire Tested: **GALN-SA1B-840-U-5WQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P652154
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-840-U-5WQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 4000K, 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: 2525.5 lumens
Efficiency: N/A
Efficacy: 57.4 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

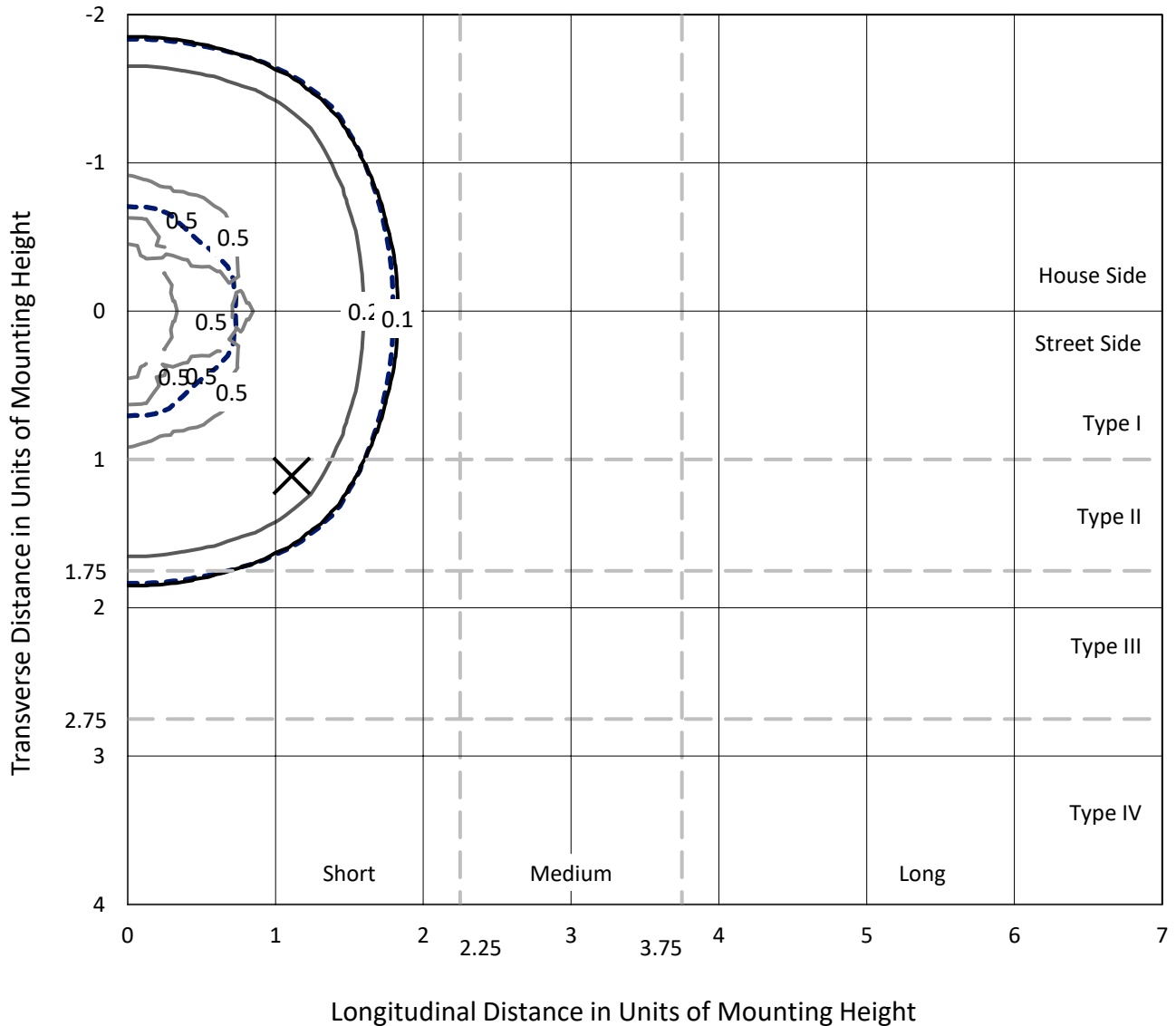
Input Watts (W): 44
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

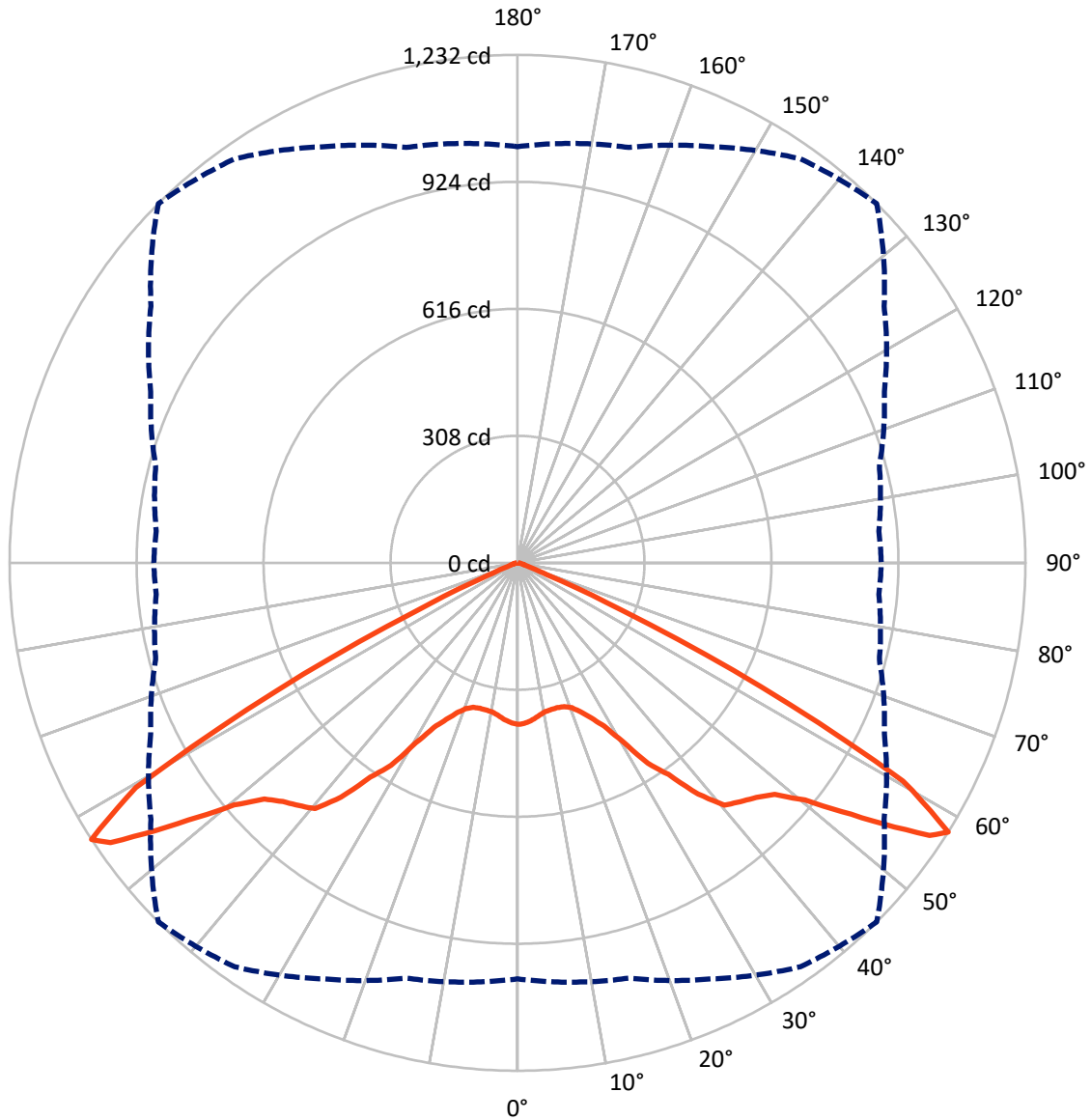
✕ Max cd
 - - - 1/2 Max cd



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

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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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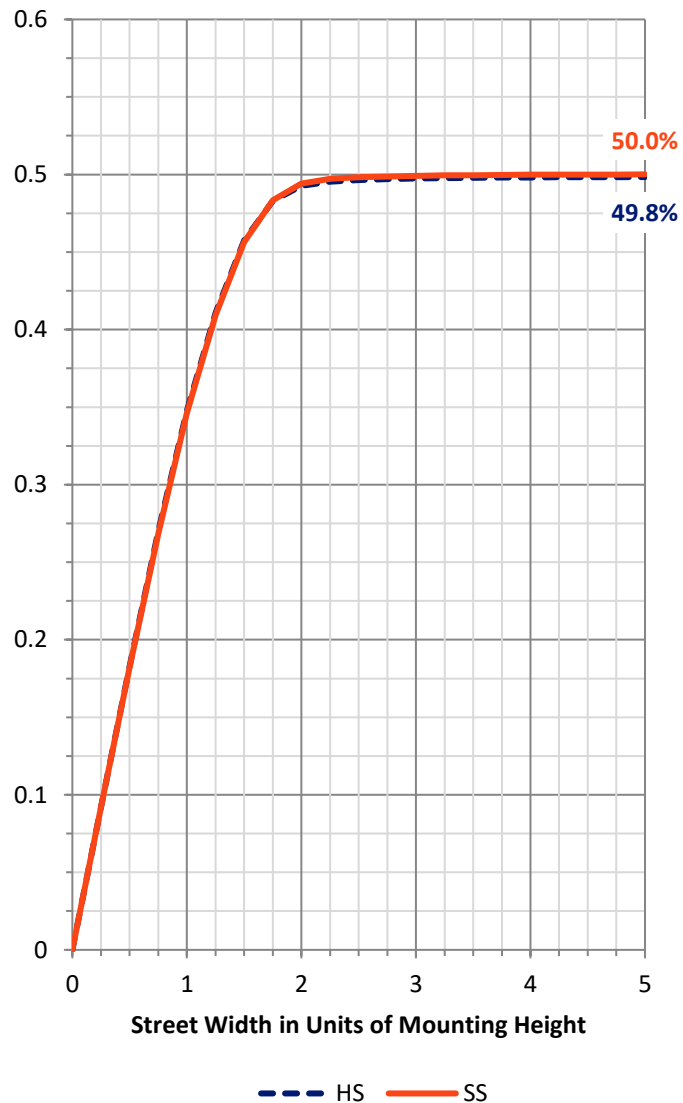
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1262.7	0.0	1262.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1262.7	0.0	1262.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	2525.5	0.0	2525.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	36.0	1.4
10°-20°	104.0	4.1
20°-30°	192.1	7.6
30°-40°	377.7	15.0
40°-50°	615.2	24.4
50°-60°	877.4	34.7
60°-70°	303.8	12.0
70°-80°	16.3	0.6
80°-90°	3.1	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°	2525.5	100.0
0°-180°	2525.5	100.0

Coefficient of Utilization

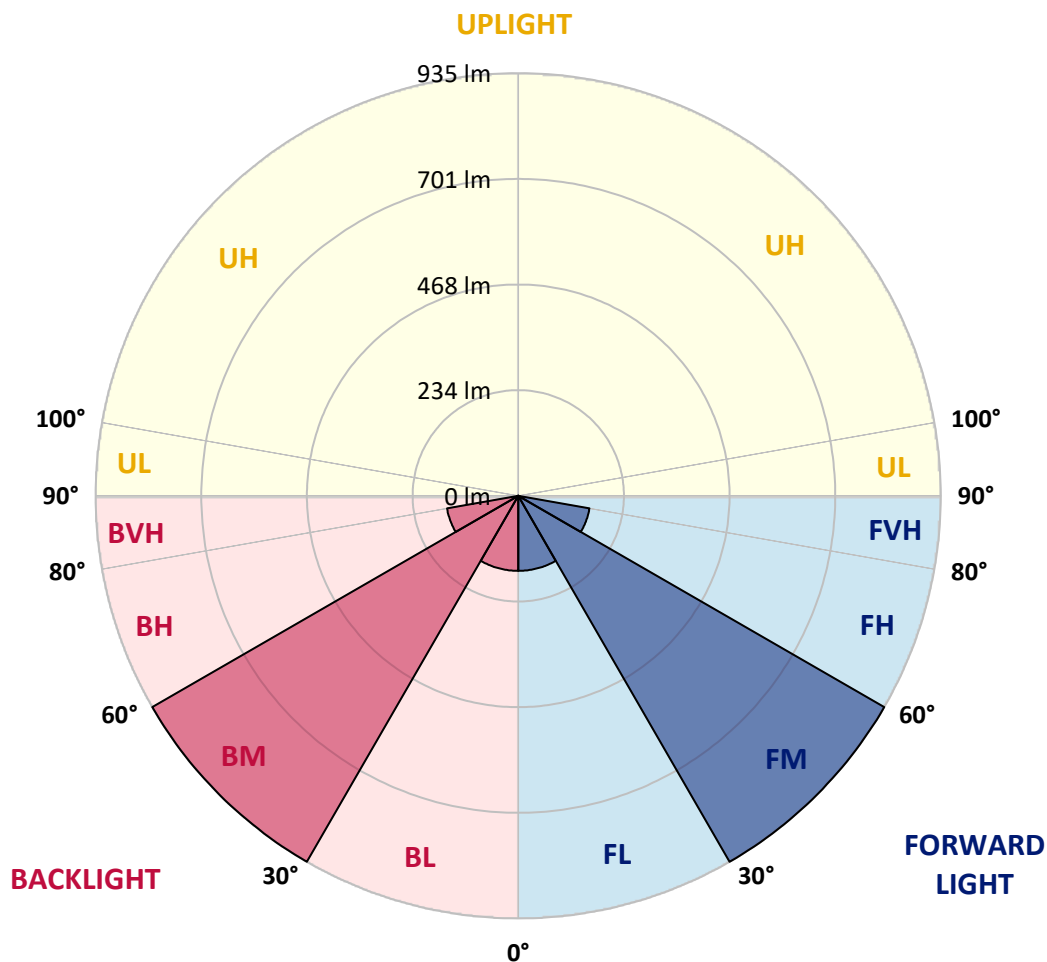


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	166.1	6.6			
FM (30°-60°)	935.1	37.0			
FH (60°-80°)	160.0	6.3			G0/660
FVH (80°-90°)	1.5	0.1			G0/10
BL (0°-30°)	166.1	6.6	B1/500		
BM (30°-60°)	935.1	37.0	B1/1000		
BH (60°-80°)	160.0	6.3	B1/500		G0/660
BVH (80°-90°)	1.5	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°	391.7	391.7	391.7	391.7	391.7	391.7	391.7	391.7	391.7	391.7	391.7
2.5°	390.6	392.7	390.1	389.1	388.5	388.5	387.0	387.0	386.4	387.0	384.9
5°	384.3	386.4	386.4	385.9	382.8	382.2	380.6	379.6	380.1	378.0	379.6
7.5°	378.0	379.6	377.5	377.0	375.9	373.8	373.3	368.5	369.1	369.1	370.1
10°	377.0	376.4	373.3	370.7	367.5	367.0	365.4	364.3	364.3	363.8	365.4
12.5°	377.0	374.3	373.8	368.0	362.8	364.9	360.7	358.0	361.7	362.8	364.9
15°	376.4	379.1	370.1	367.5	363.8	364.3	360.7	358.0	360.1	361.2	362.8
17.5°	379.6	378.0	375.4	370.1	368.5	366.4	361.7	359.6	359.6	362.2	362.8
20°	388.0	383.8	378.5	375.9	377.5	374.9	369.1	361.2	363.3	365.4	367.0
22.5°	395.9	392.7	389.1	387.5	396.4	392.2	382.2	373.3	370.1	373.8	376.4
25°	411.2	411.2	404.4	406.5	416.5	417.0	405.4	389.6	387.5	389.1	390.1
27.5°	442.3	443.9	438.1	440.2	444.4	448.1	438.1	424.9	420.2	419.7	421.3
30°	476.0	479.1	478.6	487.5	499.6	501.7	487.0	465.4	451.2	448.6	450.7
32.5°	520.2	521.8	520.7	531.3	563.9	579.2	540.8	510.2	491.2	496.0	491.2
35°	603.4	601.8	590.2	592.3	619.2	630.2	593.4	573.9	565.0	574.4	572.3
37.5°	675.0	669.2	659.8	673.4	701.3	711.3	672.9	638.7	622.3	638.2	645.0
40°	735.5	720.8	707.6	721.3	758.8	772.4	716.1	688.2	681.9	693.4	708.2
42.5°	786.6	777.2	759.8	760.9	785.6	791.9	746.6	730.3	723.9	742.4	749.8
45°	822.9	814.0	797.7	796.6	815.6	811.4	770.9	759.8	763.5	775.6	779.3
47.5°	841.4	846.1	836.6	839.3	849.3	839.3	807.2	807.2	798.7	806.1	802.4
50°	894.6	879.9	892.0	892.0	902.5	903.5	871.4	859.8	837.2	824.5	824.5
52.5°	956.7	957.7	962.5	979.8	997.8	1013.1	967.2	917.7	879.9	863.5	861.4
55°	1007.8	1018.3	1037.3	1069.9	1121.5	1142.6	1063.6	975.1	928.8	903.5	898.3
56°	1035.7	1025.7	1058.3	1103.1	1170.5	1197.8	1079.3	986.7	935.6	907.2	906.7
57.5°	1008.9	1019.9	1042.5	1113.1	1195.7	1231.6	1085.1	981.4	908.3	879.3	882.0
60°	796.6	807.2	837.7	916.7	1046.2	1074.1	918.3	809.3	743.9	702.4	702.9
62.5°	450.7	458.6	482.3	555.5	636.0	662.9	572.3	499.6	454.4	431.3	423.9
65°	165.8	162.7	166.3	203.8	253.2	275.9	238.0	201.2	177.5	169.0	165.8
67.5°	62.1	57.4	53.7	57.4	72.2	76.4	70.1	58.4	54.7	56.3	57.4
70°	38.4	36.3	28.9	27.4	26.8	26.3	27.9	29.5	33.7	39.5	40.5
72.5°	26.8	25.3	20.5	19.5	18.4	17.9	20.5	22.6	26.3	30.5	31.0
75°	10.5	11.0	10.5	11.6	12.1	12.6	14.7	16.3	17.9	17.9	17.4
77.5°	2.1	2.1	3.2	4.2	5.3	6.8	10.0	11.6	12.1	11.6	10.0
80°	0.0	0.0	1.1	2.1	4.2	5.8	8.9	10.0	11.0	10.0	7.9
82.5°	0.0	0.0	1.1	2.6	4.2	5.3	8.4	10.5	12.1	11.0	8.4
85°	0.0	0.0	1.1	2.1	3.2	3.7	3.7	2.6	2.6	1.6	1.1
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)