

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: P459793

Luminaire Tested: **GWC-SA1A-AMB-U-5WQ**

Issue Date: 1/6/2021

Test Information

Test Method: LM-79-08
Report Number: P459793
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2003-697-2)
Test Lab: INNOVATION CENTER
Issue Date: 1/6/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GWC-SA1A-AMB-U-5WQ
Description: GALLEON WALL LUMINAIRE
(1) NARROW BAND AMBER, 500mA LIGHTSQUARE WITH 16 LEDS AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1221.1 lumens
Efficiency: N/A
Efficacy: 54.0 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.5' x L: 0.5' x H: 7')
IES Classification: Type V - Short - Non-Cutoff
BUG Rating: B1 - U0 - G1

Input Watts (W): 22.6
Input Voltage (V): NR
Input Current (A_{in}): 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: 28.75 FT

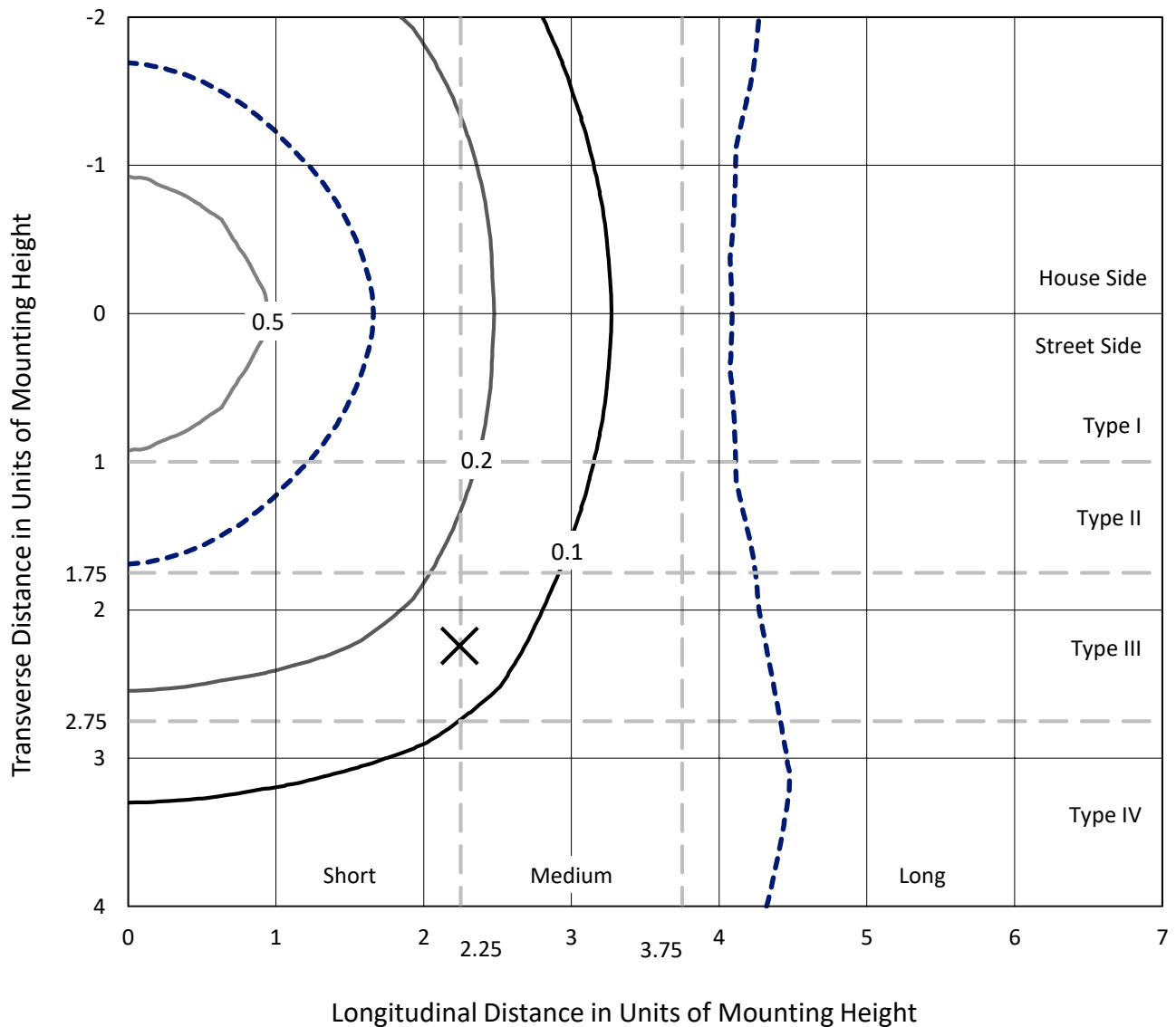


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

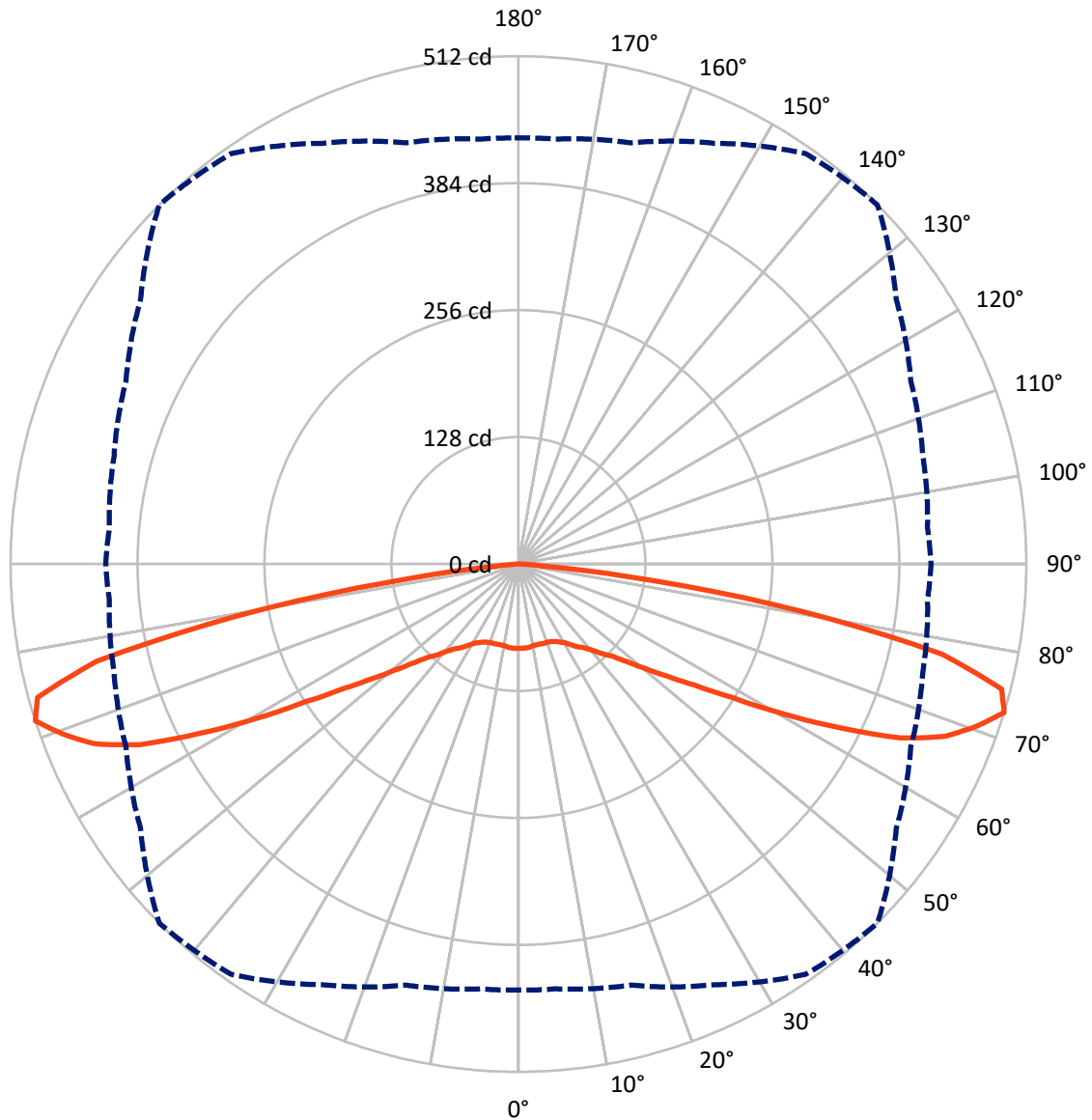


Based on 10 foot mounting height. Maximum calculated value = 0.8 fc
 Type V - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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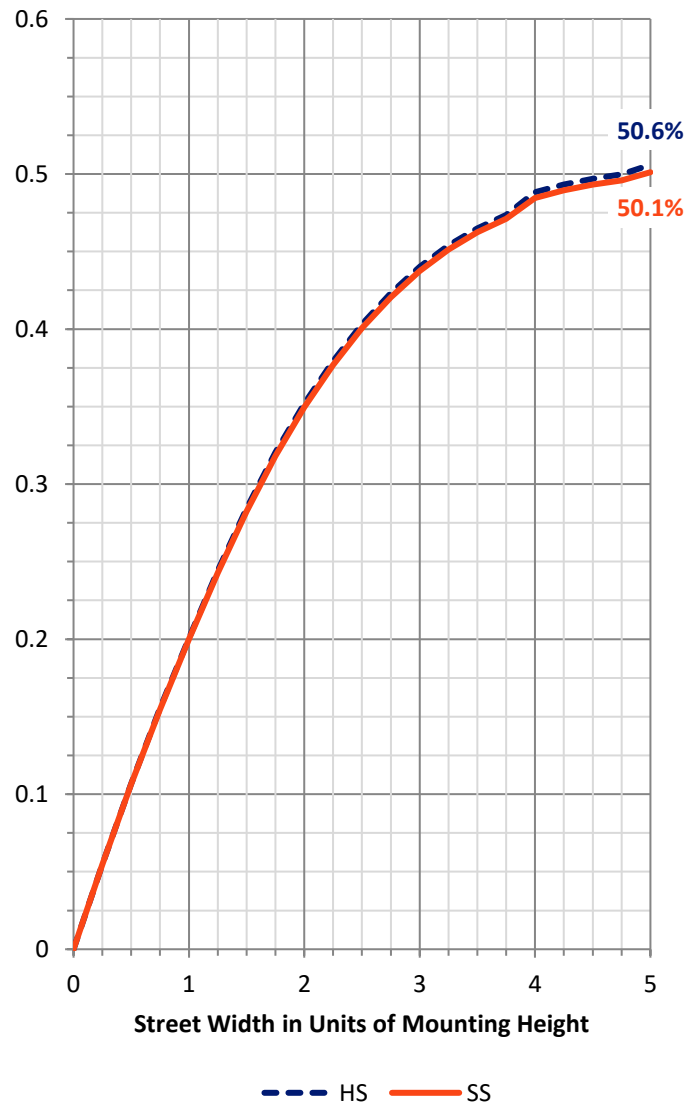
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	610.6	0.0	610.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	610.6	0.0	610.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	1221.1	0.0	1221.1
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	8.1	0.7
10°-20°	24.0	2.0
20°-30°	41.1	3.4
30°-40°	64.4	5.3
40°-50°	106.6	8.7
50°-60°	196.6	16.1
60°-70°	365.2	29.9
70°-80°	380.2	31.1
80°-90°	34.9	2.9
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°	1221.1	100.0
0°-180°	1221.1	100.0



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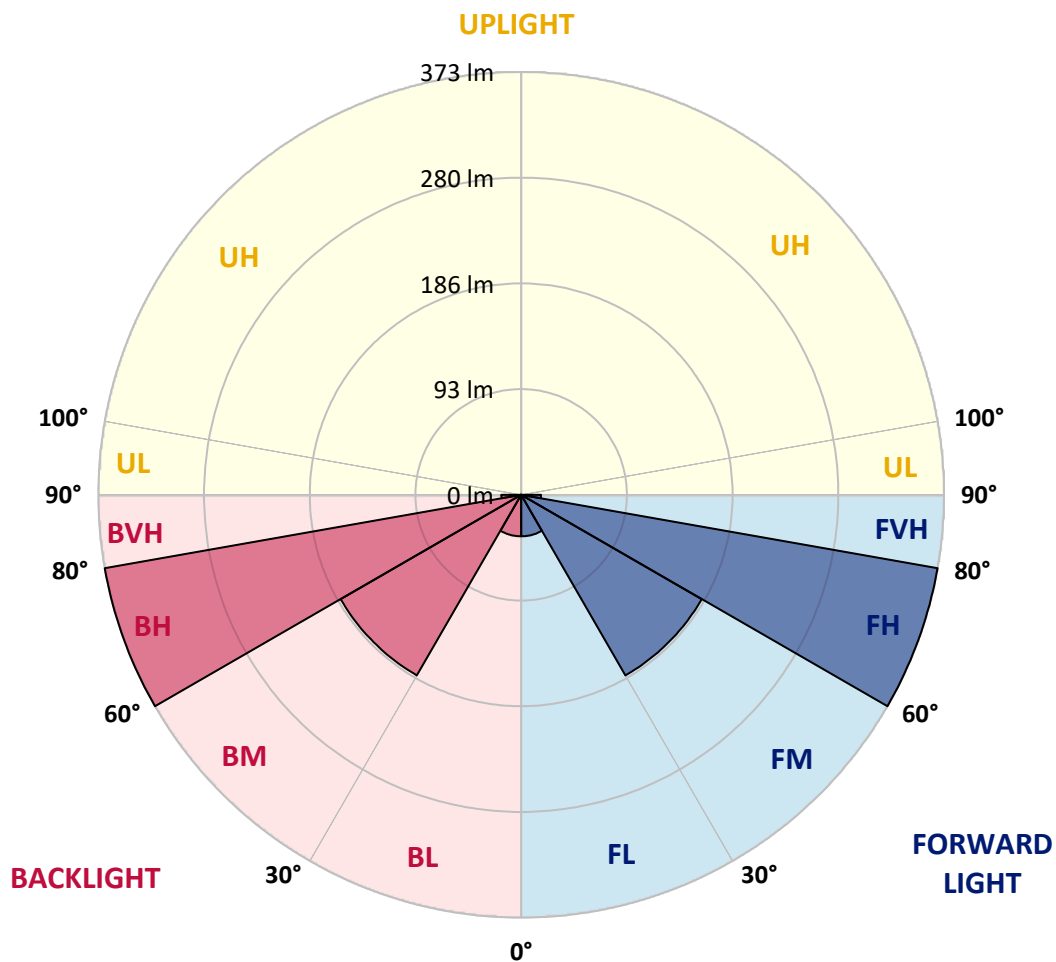
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	36.6	3.0			
FM	(30°-60°)	183.8	15.1			
FH	(60°-80°)	372.7	30.5			G0/660
FVH	(80°-90°)	17.5	1.4			G1/100
BL	(0°-30°)	36.6	3.0	B0/110		
BM	(30°-60°)	183.8	15.1	B0/220		
BH	(60°-80°)	372.7	30.5	B1/500		G0/660
BVH	(80°-90°)	17.5	1.4			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
2.5°	85.5	85.5	85.5	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
5°	85.5	85.5	85.5	85.5	85.0	85.0	85.0	84.5	84.5	84.5	85.0
7.5°	85.0	85.5	85.0	85.0	84.5	84.5	84.0	84.0	84.0	84.0	84.0
10°	85.5	85.5	85.0	84.5	84.0	83.5	83.5	83.5	83.5	84.0	84.0
12.5°	86.0	86.0	85.0	84.0	84.0	83.5	83.5	83.5	83.5	84.0	84.5
15°	86.5	86.5	85.5	84.0	84.0	83.5	83.5	83.5	84.5	85.0	85.5
17.5°	87.5	87.0	85.5	84.5	84.0	84.0	84.0	84.0	85.0	86.0	86.0
20°	87.5	87.5	86.0	84.5	84.5	84.0	84.5	84.5	85.5	86.5	87.0
22.5°	89.0	88.5	86.5	85.5	85.0	85.0	85.5	85.5	86.5	87.5	88.0
25°	90.5	90.5	88.5	87.0	86.5	86.5	87.0	87.0	88.0	89.5	90.0
27.5°	93.5	93.0	91.0	89.5	89.0	89.0	90.0	90.0	90.5	92.0	92.5
30°	96.0	96.0	94.0	93.5	92.5	92.0	93.0	94.0	94.0	95.0	95.5
32.5°	98.0	98.0	97.0	97.0	97.5	97.0	98.0	97.5	97.0	98.0	98.0
35°	101.5	101.5	100.5	100.0	102.0	102.5	102.0	100.5	100.5	101.5	102.0
37.5°	107.0	107.0	106.0	105.0	105.5	107.0	105.5	105.0	106.0	107.5	108.0
40°	115.0	115.5	114.5	114.0	112.5	114.0	112.5	113.5	115.0	116.0	116.0
42.5°	124.0	124.5	123.0	122.0	122.5	123.5	121.5	122.0	124.0	125.5	125.5
45°	138.0	137.5	135.0	133.5	132.0	132.5	131.5	134.0	136.0	138.5	139.5
47.5°	151.5	151.0	150.0	148.5	146.5	147.0	147.0	149.0	151.5	154.0	154.0
50°	168.5	168.5	167.0	166.0	164.5	165.5	164.5	167.0	170.0	172.0	172.5
52.5°	188.0	187.5	187.5	187.0	186.0	188.0	186.5	189.5	192.0	192.5	193.5
55°	208.5	210.0	212.0	212.0	213.5	215.5	214.5	215.0	217.0	215.0	216.0
57.5°	235.0	236.5	239.5	243.5	248.5	254.0	250.5	248.0	244.0	241.0	240.5
60°	262.5	264.0	270.0	282.0	294.5	306.5	296.0	284.5	275.5	268.0	267.5
62.5°	292.5	295.0	303.5	321.5	345.5	363.5	347.0	324.5	308.0	296.5	297.0
65°	332.0	333.5	342.5	363.5	401.0	423.0	397.5	367.5	347.0	334.0	334.5
67.5°	391.5	390.5	395.0	415.0	446.0	464.0	433.5	409.0	388.0	373.0	375.5
70°	433.0	432.5	435.5	456.5	486.5	490.0	459.5	432.0	414.5	405.5	405.5
72.5°	429.5	430.0	439.5	468.0	505.0	512.0	465.0	436.5	422.0	414.0	416.0
75°	347.5	348.5	375.5	427.5	489.5	503.0	452.5	404.5	362.5	339.5	335.5
77.5°	167.0	168.5	208.5	294.5	395.0	436.5	391.5	290.5	212.5	172.5	176.5
80°	50.5	52.0	69.0	121.0	226.0	291.5	234.0	119.5	61.0	44.5	44.5
82.5°	11.0	13.5	16.0	26.5	78.0	133.0	78.0	29.5	18.0	13.0	12.0
85°	6.0	6.0	9.0	9.5	12.5	22.0	15.0	12.0	10.5	7.0	7.0
87.5°	2.5	2.5	4.5	4.5	5.0	3.5	5.5	6.0	6.0	3.5	3.5
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)