

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: P534602

Luminaire Tested: **GALN-SA6A-AMB-U-5WQ**

Issue Date: 6/10/2021

Test Information

Test Method: LM-79-08
Report Number: P534602
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-067-2)
Test Lab: INNOVATION CENTER
Issue Date: 6/10/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA6A-AMB-U-5WQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) NARROW BAND AMBER, 500mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V
WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6319 lumens
Efficiency: N/A
Efficacy: 53.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G2

Input Watts (W): 118.2
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



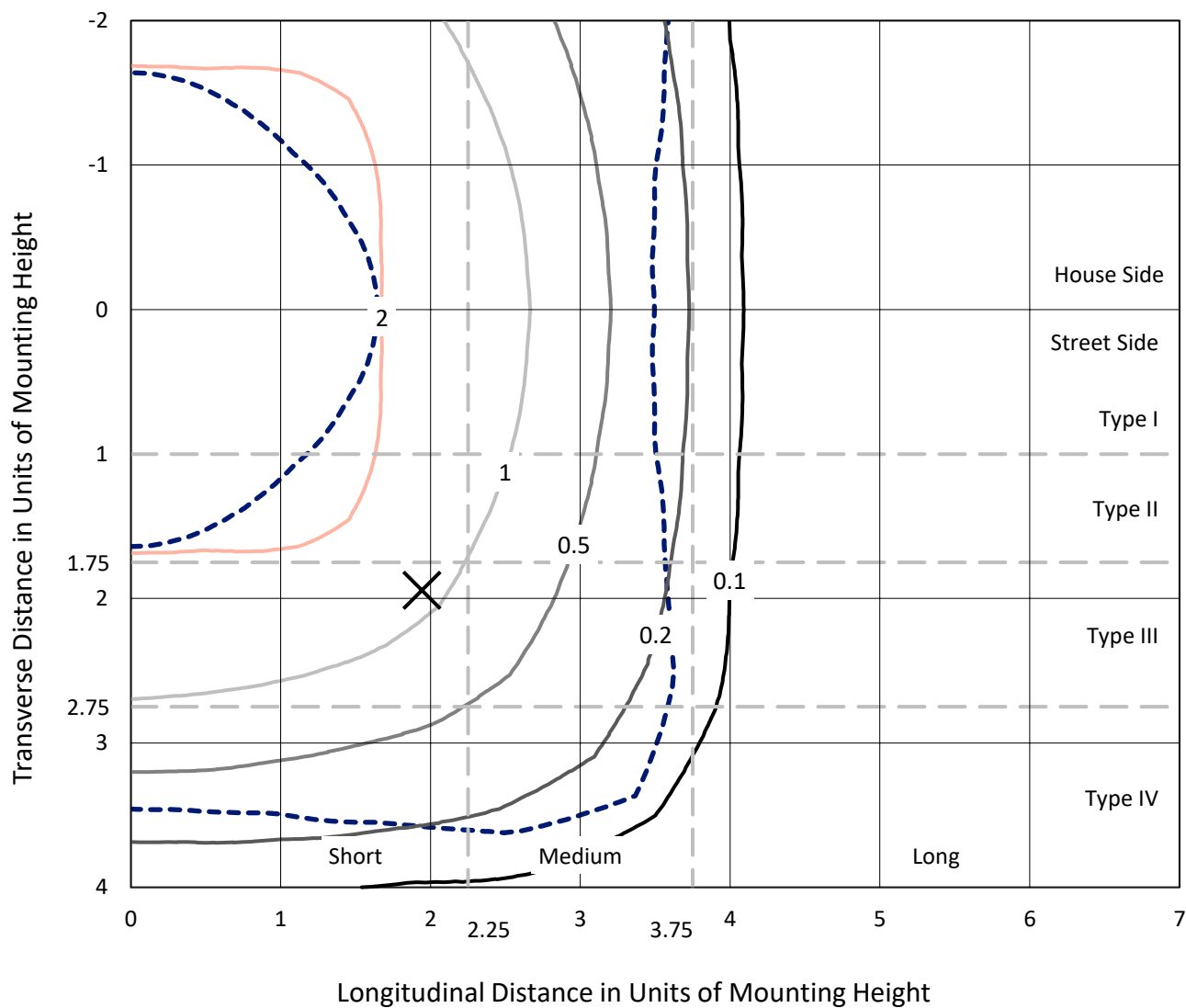
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

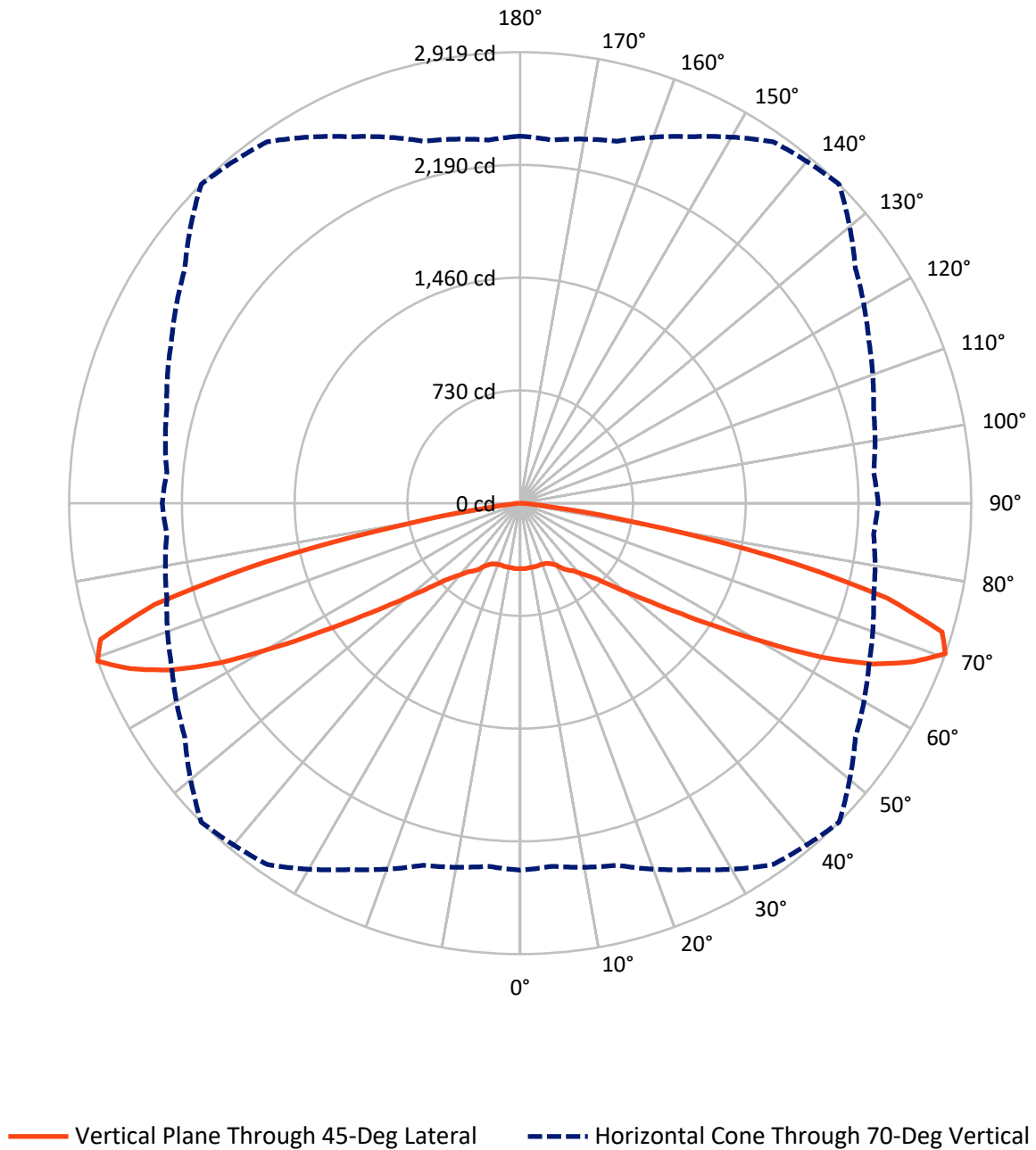


Based on 10 foot mounting height. Maximum calculated value = 4.2 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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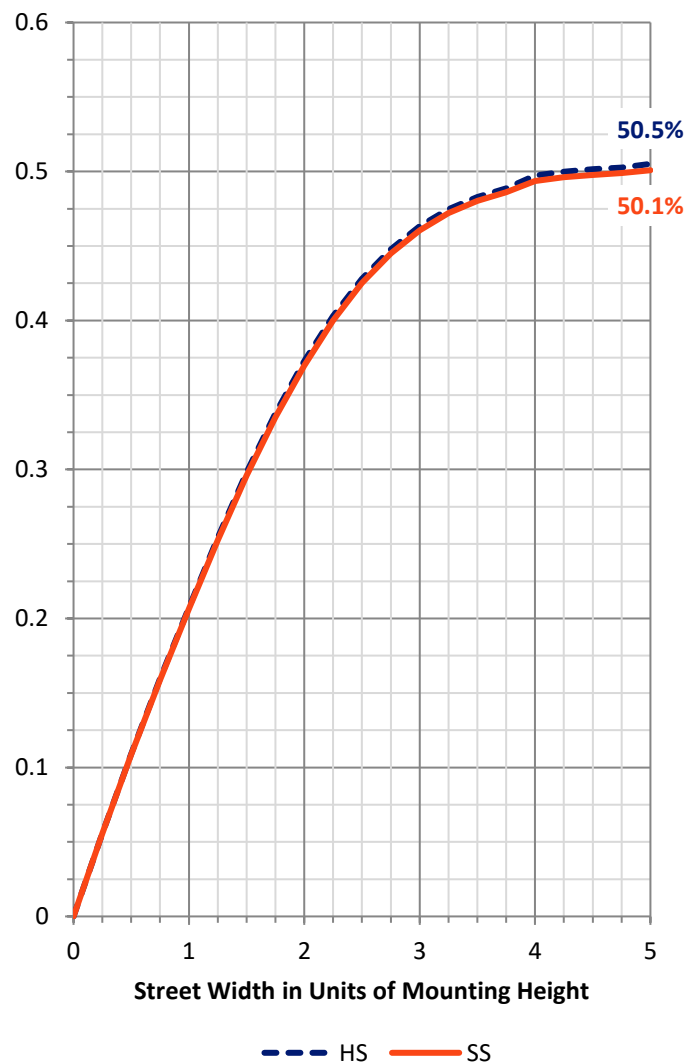
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3159.5	0.0	3159.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3159.5	0.0	3159.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	6319.0	0.0	6319.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	40.5	0.6
10°-20°	120.4	1.9
20°-30°	206.0	3.3
30°-40°	332.5	5.3
40°-50°	572.4	9.1
50°-60°	1131.2	17.9
60°-70°	2193.5	34.7
70°-80°	1646.0	26.0
80°-90°	76.6	1.2
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°	6319.0	100.0
0°-180°	6319.0	100.0

Coefficient of Utilization



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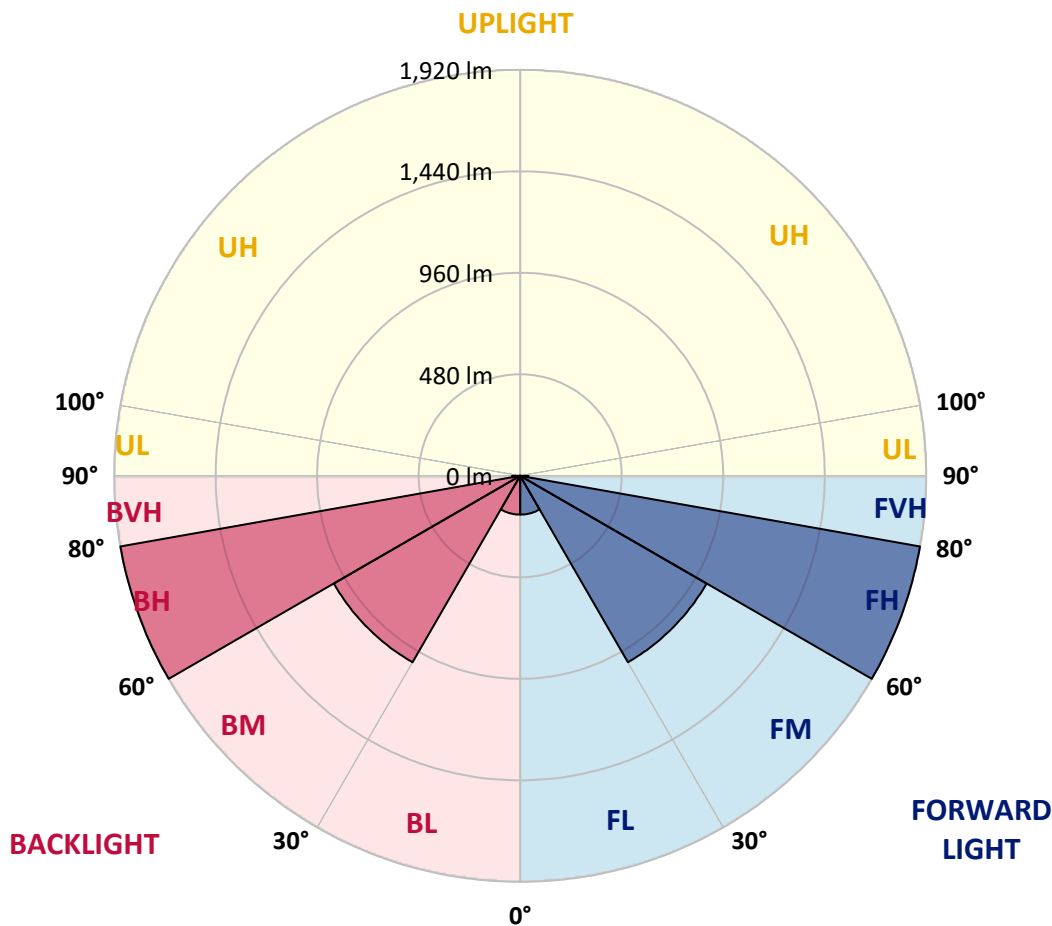
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	183.5	2.9			
FM	(30°-60°)	1018.0	16.1			
FH	(60°-80°)	1919.7	30.4			G2/5000
FVH	(80°-90°)	38.3	0.6			G1/100
BL	(0°-30°)	183.5	2.9	B1/500		
BM	(30°-60°)	1018.0	16.1	B2/2500		
BH	(60°-80°)	1919.7	30.4	B3/2500		G2/5000
BVH	(80°-90°)	38.3	0.6			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G2

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	424.2	424.2	424.2	424.2	424.2	424.2	424.2	424.2	424.2	424.2	424.2
2.5°	426.9	426.9	424.2	424.2	424.2	424.2	424.2	424.2	424.2	426.9	424.2
5°	426.9	426.9	424.2	426.9	424.2	424.2	424.2	424.2	424.2	424.2	426.9
7.5°	429.6	426.9	424.2	424.2	424.2	421.6	421.6	424.2	421.6	424.2	424.2
10°	426.9	426.9	424.2	424.2	421.6	421.6	421.6	424.2	424.2	426.9	426.9
12.5°	429.6	429.6	424.2	421.6	421.6	421.6	421.6	424.2	426.9	429.6	429.6
15°	432.2	429.6	426.9	421.6	418.9	421.6	418.9	424.2	426.9	432.2	432.2
17.5°	434.9	432.2	426.9	421.6	418.9	418.9	421.6	421.6	426.9	434.9	434.9
20°	437.5	434.9	429.6	421.6	418.9	421.6	418.9	424.2	429.6	437.5	437.5
22.5°	442.8	442.8	432.2	426.9	424.2	424.2	426.9	426.9	432.2	440.2	442.8
25°	450.8	450.8	440.2	437.5	434.9	432.2	432.2	434.9	437.5	448.1	448.1
27.5°	469.3	469.3	458.7	450.8	448.1	445.5	445.5	448.1	453.4	464.0	466.7
30°	487.9	485.2	477.3	474.6	474.6	466.7	472.0	474.6	477.3	485.2	487.9
32.5°	501.1	498.5	495.8	495.8	501.1	503.8	501.1	490.5	490.5	498.5	498.5
35°	525.0	522.4	517.1	511.7	519.7	533.0	517.1	511.7	517.1	519.7	522.4
37.5°	562.1	564.8	556.8	551.5	548.9	554.2	543.6	543.6	556.8	570.1	570.1
40°	601.9	604.6	596.6	593.9	596.6	596.6	591.3	593.9	596.6	607.2	609.9
42.5°	660.2	662.9	652.3	644.3	641.7	641.7	633.7	641.7	652.3	665.5	665.5
45°	739.8	739.8	726.5	715.9	702.7	702.7	700.0	715.9	726.5	745.1	745.1
47.5°	827.3	822.0	816.7	803.4	795.5	798.1	795.5	803.4	819.3	840.5	837.9
50°	933.3	933.3	925.4	914.8	906.8	914.8	906.8	917.4	936.0	951.9	949.3
52.5°	1063.3	1063.3	1068.6	1055.3	1052.7	1063.3	1047.4	1058.0	1068.6	1084.5	1076.5
55°	1198.5	1206.5	1206.5	1230.3	1227.7	1262.1	1227.7	1235.6	1235.6	1214.4	1214.4
57.5°	1368.2	1370.9	1397.4	1431.8	1484.9	1514.0	1469.0	1447.7	1389.4	1368.2	1368.2
60°	1556.5	1553.8	1583.0	1681.1	1781.8	1832.2	1768.6	1678.4	1585.6	1545.9	1543.2
62.5°	1813.7	1813.7	1837.5	1956.8	2100.0	2200.8	2070.9	1935.6	1840.2	1792.4	1792.4
65°	2142.5	2142.5	2153.1	2293.6	2450.0	2508.4	2362.5	2230.0	2129.2	2068.2	2070.9
67.5°	2381.1	2375.8	2415.6	2561.4	2733.7	2741.7	2590.6	2444.7	2317.5	2259.1	2264.4
70°	2375.8	2359.9	2426.2	2617.1	2855.7	2919.4	2648.9	2489.8	2367.8	2296.2	2317.5
72.5°	1951.5	1970.1	2105.3	2365.2	2733.7	2855.7	2548.1	2288.3	2052.3	1933.0	1954.2
75°	1039.4	1065.9	1288.7	1707.6	2243.2	2452.7	2147.8	1699.6	1317.8	1134.9	1137.5
77.5°	318.2	318.2	403.0	761.0	1370.9	1689.0	1384.1	832.6	501.1	363.3	358.0
80°	95.5	98.1	122.0	180.3	432.2	766.3	554.2	241.3	137.9	111.4	114.0
82.5°	39.8	45.1	55.7	58.3	116.7	188.3	135.2	84.8	68.9	55.7	50.4
85°	18.6	18.6	29.2	31.8	39.8	39.8	42.4	45.1	42.4	29.2	26.5
87.5°	5.3	5.3	8.0	8.0	10.6	8.0	13.3	15.9	15.9	8.0	8.0
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)