

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: P532904

Luminaire Tested: **GALN-SA8B-740-U-5NQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P532904
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-6)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA8B-740-U-5NQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 70 CRI, 4000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 41387 lumens
Efficiency: N/A
Efficacy: 127.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

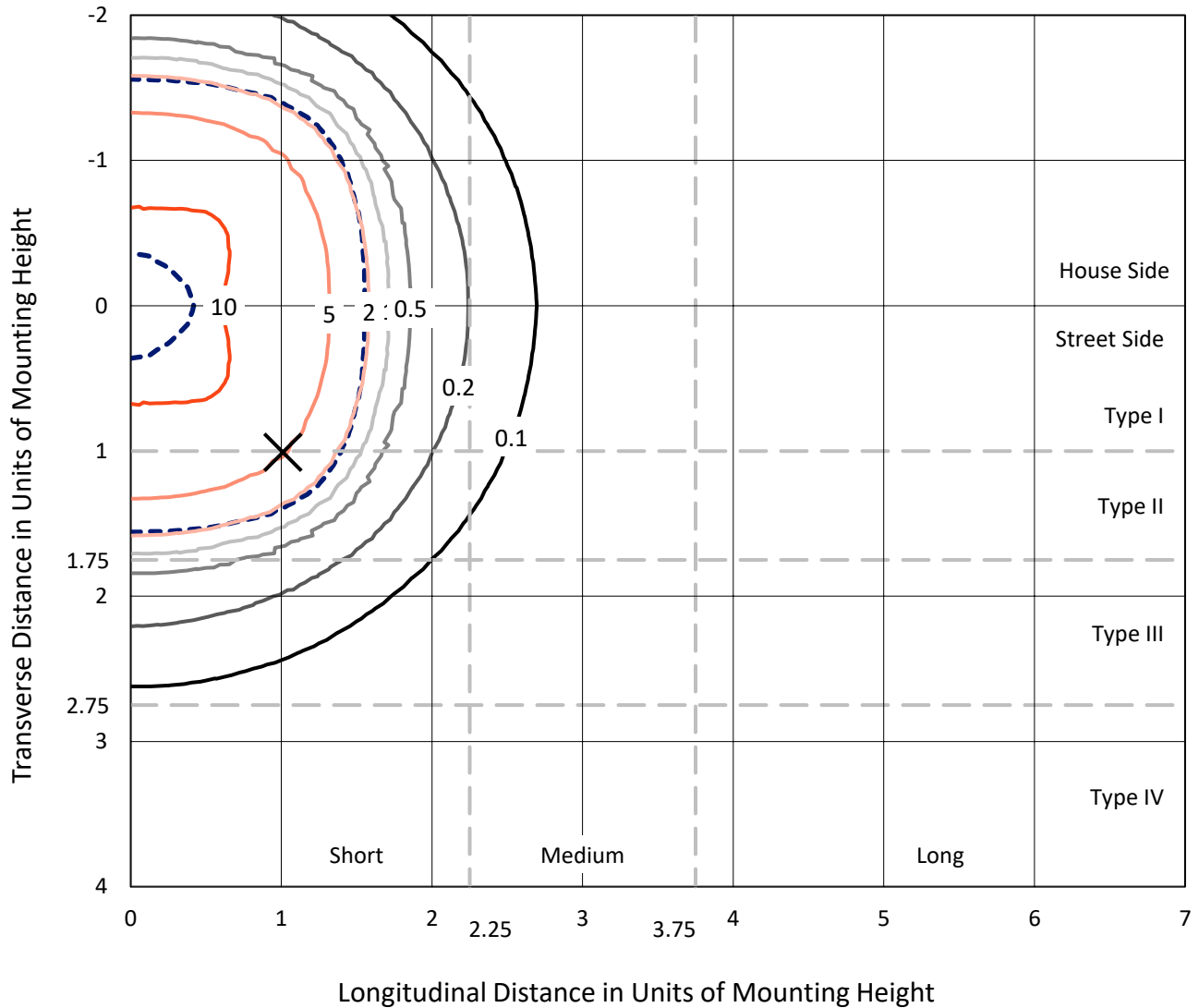
Input Watts (W): 325
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

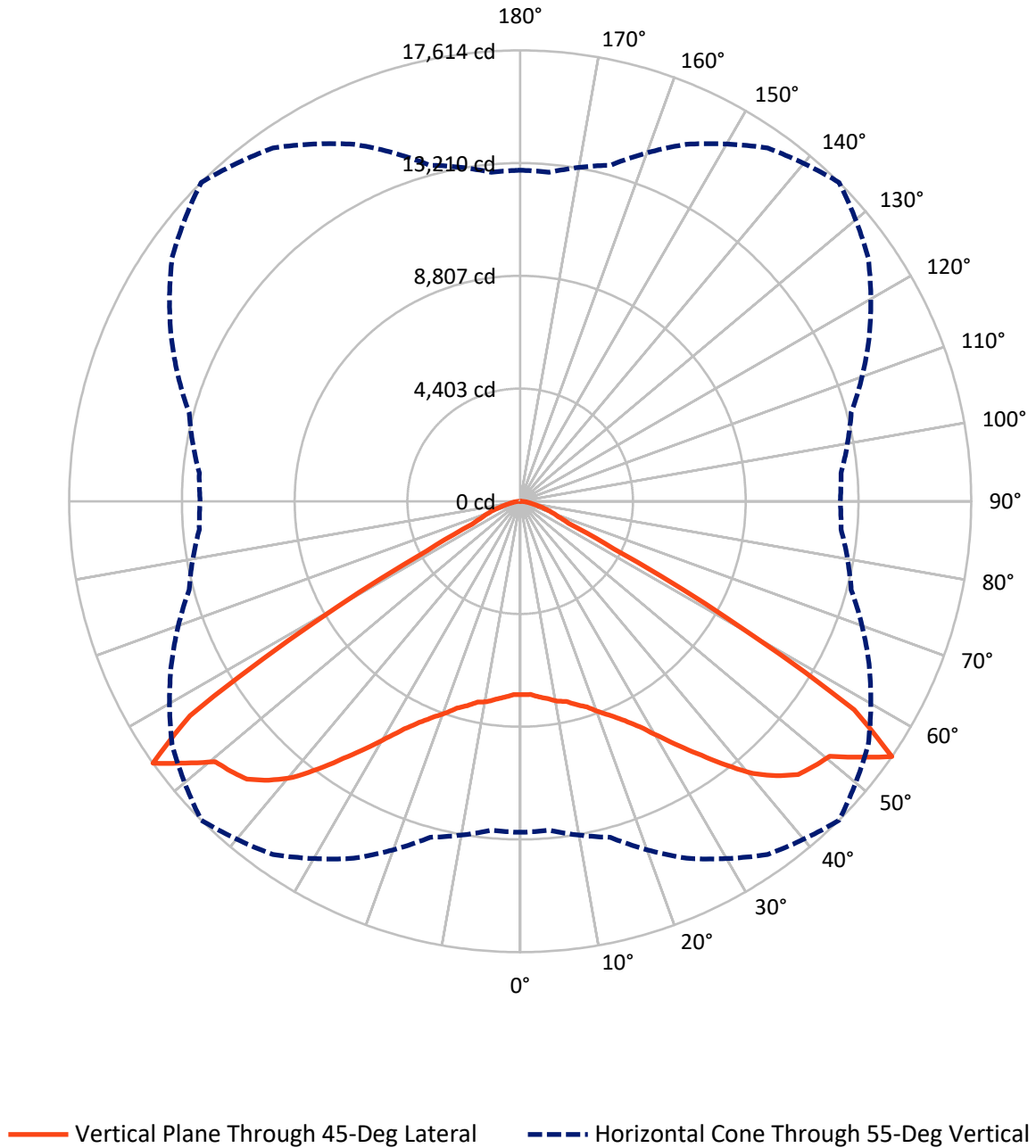
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12.1 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	20693.5	0.0	20693.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	20693.5	0.0	20693.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	41387.0	0.0	41387.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	738.2	1.8
10°-20°	2339.0	5.7
20°-30°	4361.6	10.5
30°-40°	7302.7	17.6
40°-50°	11363.5	27.5
50°-60°	11798.9	28.5
60°-70°	2502.2	6.0
70°-80°	824.0	2.0
80°-90°	156.9	0.4
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°	41387.0	100.0
0°-180°	41387.0	100.0

Coefficient of Utilization

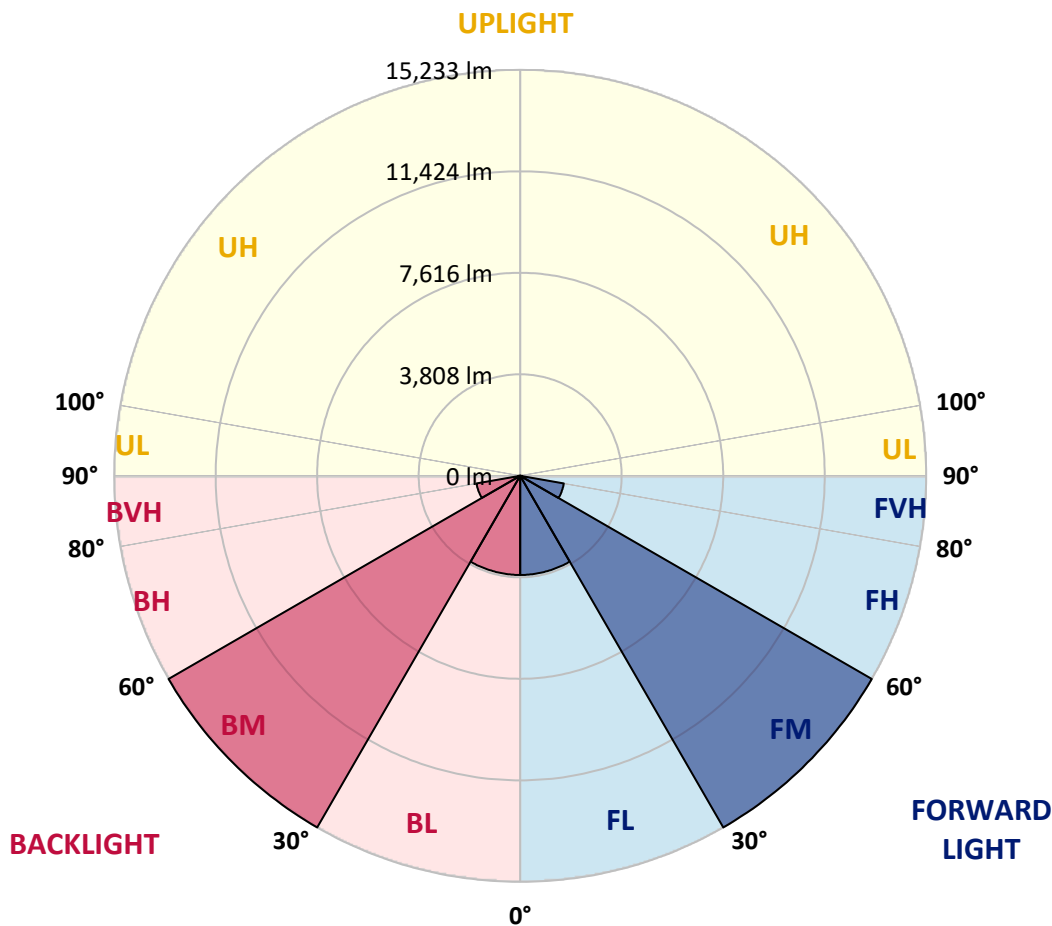


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3719.4	9.0			
FM (30°-60°)	15232.5	36.8			
FH (60°-80°)	1663.1	4.0			G1/1800
FVH (80°-90°)	78.5	0.2			G1/100
BL (0°-30°)	3719.4	9.0	B4/5000		
BM (30°-60°)	15232.5	36.8	B5		
BH (60°-80°)	1663.1	4.0	B3/2500		G1/1800
BVH (80°-90°)	78.5	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G1
 Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	7556.6	7556.6	7556.6	7556.6	7556.6	7556.6	7556.6	7556.6	7556.6	7556.6	7556.6
2.5°	7646.7	7611.7	7551.6	7596.7	7631.7	7556.6	7586.7	7601.7	7591.7	7551.6	7566.7
5°	7756.7	7736.7	7686.7	7721.7	7676.7	7676.7	7646.7	7606.7	7666.7	7656.7	7681.7
7.5°	7756.7	7731.7	7831.7	7766.7	7786.7	7786.7	7736.7	7696.7	7726.7	7681.7	7656.7
10°	7911.7	7946.7	7901.7	7916.7	7906.7	7941.7	7866.7	7841.7	7816.7	7801.7	7771.7
12.5°	8096.8	8071.8	8086.8	8076.8	8111.8	8021.8	7976.7	7921.7	7966.7	7901.7	7946.7
15°	8246.8	8231.8	8246.8	8286.8	8251.8	8246.8	8166.8	8111.8	8041.8	8056.8	7986.7
17.5°	8451.8	8436.8	8441.8	8476.8	8471.8	8446.8	8386.8	8281.8	8256.8	8216.8	8171.8
20°	8756.9	8731.9	8721.9	8736.9	8761.9	8781.9	8661.9	8621.9	8536.9	8471.8	8396.8
22.5°	9017.0	9007.0	9047.0	8982.0	9037.0	9097.0	8982.0	8962.0	8751.9	8716.9	8636.9
25°	9377.0	9362.0	9337.0	9432.1	9497.1	9492.1	9382.0	9272.0	9112.0	9072.0	9072.0
27.5°	9757.1	9672.1	9802.1	9827.1	9942.2	9977.2	9882.2	9722.1	9572.1	9487.1	9507.1
30°	10232.2	10152.2	10182.2	10362.3	10512.3	10642.3	10402.3	10167.2	9957.2	9807.1	9782.1
32.5°	10707.3	10627.3	10717.3	10892.4	11192.4	11387.5	11152.4	10742.3	10497.3	10277.2	10322.3
35°	11092.4	11152.4	11297.5	11562.5	11872.6	12187.7	11812.6	11497.5	11147.4	10902.4	10937.4
37.5°	11712.6	11897.6	12012.6	12317.7	12757.8	13082.9	12692.8	12282.7	11907.6	11587.5	11477.5
40°	12522.7	12647.8	12777.8	13137.9	13658.0	13983.1	13613.0	13077.9	12707.8	12377.7	12362.7
42.5°	13412.9	13533.0	13668.0	14108.1	14418.1	14663.2	14323.1	14038.1	13628.0	13367.9	13352.9
45°	14448.2	14363.1	14513.2	14803.2	15063.3	15223.3	15003.3	14863.2	14568.2	14328.1	14303.1
47.5°	15138.3	15063.3	15333.3	15593.4	15633.4	15458.4	15503.4	15633.4	15323.3	14928.3	15053.3
50°	15538.4	15538.4	15718.4	15958.5	15883.5	15658.4	16013.5	16023.5	15713.4	15363.4	15363.4
52.5°	14843.2	14998.3	15508.4	16293.6	16543.6	16608.6	16528.6	16188.5	15378.4	14663.2	14628.2
55°	12932.8	12897.8	13588.0	15388.4	16843.7	17613.8	16593.6	15028.3	13382.9	12577.7	12497.7
57.5°	8411.8	8451.8	9482.1	11317.5	13943.0	15378.4	13658.0	11457.5	9482.1	8371.8	8476.8
60°	3785.8	3920.9	4546.0	5916.3	8171.8	9342.0	8191.8	6216.4	4771.0	4140.9	4195.9
62.5°	2175.5	2200.5	2225.5	2640.6	3480.8	4115.9	3615.8	2790.6	2460.5	2350.5	2350.5
65°	1835.4	1820.4	1825.4	1860.4	1950.4	2080.5	2025.4	1950.4	1960.4	1950.4	1935.4
67.5°	1560.3	1580.3	1565.3	1590.3	1595.3	1615.4	1650.4	1680.4	1685.4	1695.4	1685.4
70°	1280.3	1285.3	1295.3	1315.3	1320.3	1335.3	1385.3	1410.3	1425.3	1425.3	1445.3
72.5°	980.2	975.2	985.2	1005.2	1030.2	1035.2	1080.2	1115.2	1135.2	1110.2	1115.2
75°	645.1	650.1	665.1	680.1	715.2	750.2	765.2	800.2	805.2	815.2	790.2
77.5°	385.1	395.1	410.1	440.1	470.1	500.1	535.1	560.1	570.1	560.1	530.1
80°	250.1	250.1	270.1	295.1	330.1	355.1	375.1	395.1	410.1	395.1	385.1
82.5°	155.0	155.0	180.0	210.0	235.1	250.1	280.1	305.1	320.1	310.1	295.1
85°	80.0	85.0	105.0	130.0	150.0	160.0	155.0	140.0	125.0	120.0	110.0
87.5°	25.0	25.0	30.0	30.0	25.0	25.0	30.0	25.0	30.0	30.0	30.0
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)