

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: P534074

Luminaire Tested: **GALN-SA9C-740-U-5NQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P534074
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-SA9C-740-U-5NQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(9) 70 CRI, 4000K, 1050mA 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: 57407 lumens
Efficiency: N/A
Efficacy: 119.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G2

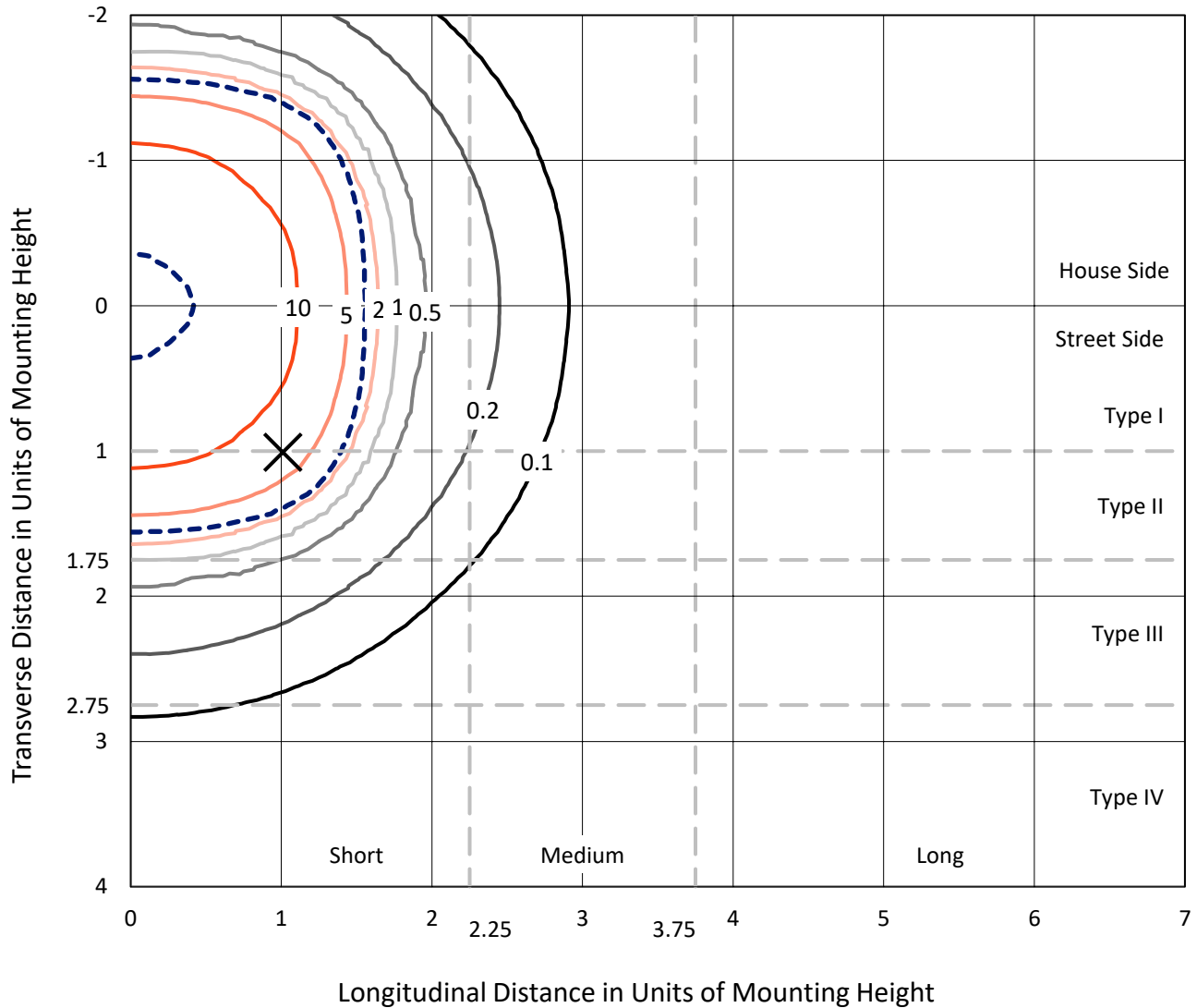
Input Watts (W): 481
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

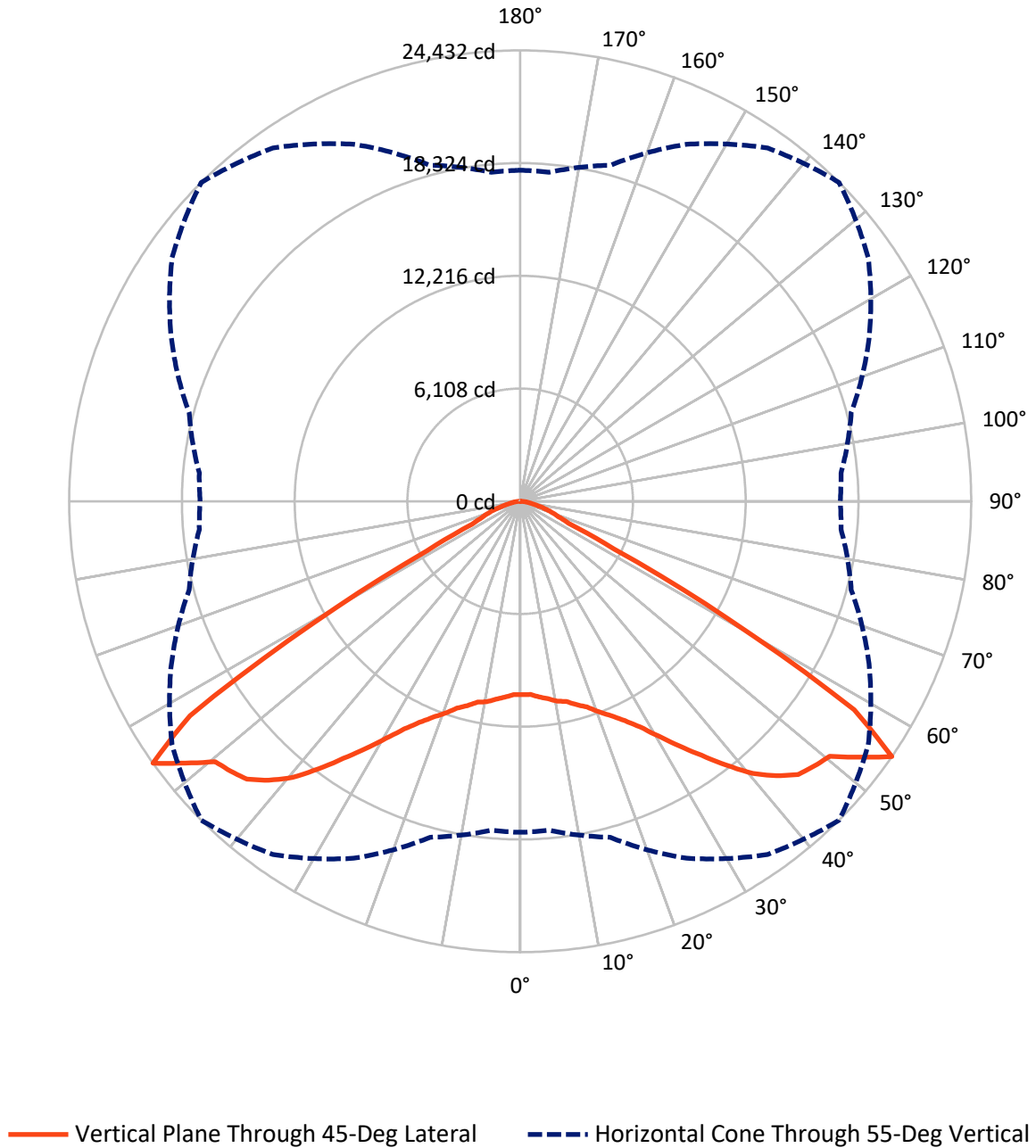
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 16.8 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	28703.5	0.0	28703.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	28703.5	0.0	28703.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	57407.0	0.0	57407.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1024.0	1.8
10°-20°	3244.4	5.7
20°-30°	6049.8	10.5
30°-40°	10129.4	17.6
40°-50°	15762.1	27.5
50°-60°	16366.0	28.5
60°-70°	3470.7	6.0
70°-80°	1143.0	2.0
80°-90°	217.7	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°	57407.0	100.0
0°-180°	57407.0	100.0

Coefficient of Utilization



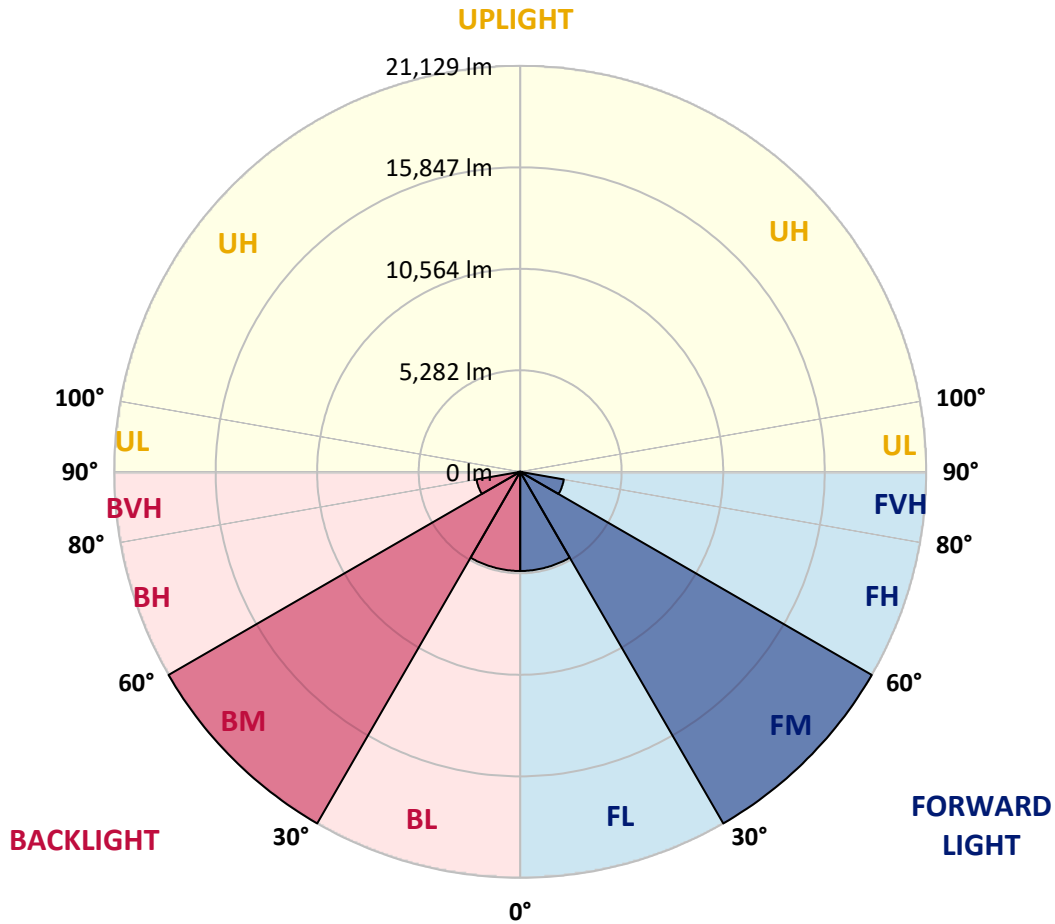
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	5159.1	9.0			
FM (30°-60°)	21128.7	36.8			
FH (60°-80°)	2306.8	4.0			G2/5000
FVH (80°-90°)	108.8	0.2			G2/225
BL (0°-30°)	5159.1	9.0	B5		
BM (30°-60°)	21128.7	36.8	B5		
BH (60°-80°)	2306.8	4.0	B3/2500		G2/5000
BVH (80°-90°)	108.8	0.2			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	10481.7	10481.7	10481.7	10481.7	10481.7	10481.7	10481.7	10481.7	10481.7	10481.7	10481.7
2.5°	10606.5	10558.0	10474.7	10537.2	10585.7	10481.7	10523.3	10544.1	10530.2	10474.7	10495.5
5°	10759.1	10731.4	10662.0	10710.6	10648.1	10648.1	10606.5	10551.0	10634.3	10620.4	10655.1
7.5°	10759.1	10724.5	10863.2	10773.0	10800.8	10800.8	10731.4	10675.9	10717.5	10655.1	10620.4
10°	10974.2	11022.7	10960.3	10981.1	10967.2	11015.8	10911.7	10877.1	10842.4	10821.6	10779.9
12.5°	11230.8	11196.2	11217.0	11203.1	11251.7	11126.8	11064.4	10988.1	11050.5	10960.3	11022.7
15°	11439.0	11418.1	11439.0	11494.4	11445.9	11439.0	11328.0	11251.7	11154.5	11175.4	11078.2
17.5°	11723.4	11702.6	11709.5	11758.1	11751.1	11716.4	11633.2	11487.5	11452.8	11397.3	11334.9
20°	12146.5	12111.8	12098.0	12118.8	12153.5	12181.2	12014.7	11959.2	11841.3	11751.1	11647.1
22.5°	12507.2	12493.4	12548.9	12458.7	12535.0	12618.2	12458.7	12430.9	12139.6	12091.0	11980.0
25°	13006.7	12985.9	12951.2	13083.0	13173.2	13166.2	13013.6	12861.0	12639.0	12583.5	12583.5
27.5°	13533.9	13416.0	13596.3	13631.0	13790.6	13839.1	13707.3	13485.3	13277.2	13159.3	13187.1
30°	14192.9	14081.9	14123.5	14373.3	14581.4	14761.7	14428.8	14102.7	13811.4	13603.3	13568.6
32.5°	14851.9	14740.9	14865.8	15108.6	15524.8	15795.3	15469.3	14900.5	14560.6	14255.3	14317.8
35°	15386.1	15469.3	15670.5	16038.1	16468.2	16905.2	16385.0	15947.9	15462.4	15122.5	15171.0
37.5°	16246.2	16502.9	16662.4	17085.6	17696.0	18146.9	17605.9	17037.0	16516.8	16072.8	15920.2
40°	17370.0	17543.4	17723.8	18223.2	18944.7	19395.6	18882.3	18140.0	17626.7	17168.8	17148.0
42.5°	18604.8	18771.3	18958.6	19569.0	19999.1	20339.0	19867.3	19471.9	18903.1	18542.3	18521.5
45°	20040.7	19922.8	20130.9	20533.2	20894.0	21115.9	20810.7	20616.5	20207.2	19874.2	19839.5
47.5°	20998.0	20894.0	21268.5	21629.3	21684.8	21442.0	21504.4	21684.8	21254.7	20706.7	20880.1
50°	21553.0	21553.0	21802.7	22135.7	22031.6	21719.4	22212.0	22225.8	21795.8	21310.2	21310.2
52.5°	20588.7	20803.8	21511.3	22600.4	22947.3	23037.5	22926.5	22454.8	21331.0	20339.0	20290.4
55°	17938.8	17890.3	18847.6	21344.9	23363.5	24431.8	23016.6	20845.4	18563.2	17446.3	17335.3
57.5°	11667.9	11723.4	13152.4	15698.2	19340.1	21331.0	18944.7	15892.4	13152.4	11612.4	11758.1
60°	5251.2	5438.5	6305.6	8206.4	11334.9	12958.1	11362.6	8622.6	6617.8	5743.8	5820.1
62.5°	3017.6	3052.2	3086.9	3662.7	4828.1	5709.1	5015.4	3870.8	3413.0	3260.3	3260.3
65°	2545.8	2525.0	2532.0	2580.5	2705.4	2885.8	2809.4	2705.4	2719.3	2705.4	2684.6
67.5°	2164.3	2192.1	2171.3	2205.9	2212.9	2240.6	2289.2	2330.8	2337.7	2351.6	2337.7
70°	1775.8	1782.8	1796.7	1824.4	1831.3	1852.2	1921.5	1956.2	1977.0	1977.0	2004.8
72.5°	1359.6	1352.7	1366.6	1394.3	1429.0	1435.9	1498.4	1546.9	1574.7	1540.0	1546.9
75°	894.9	901.8	922.6	943.4	992.0	1040.5	1061.3	1109.9	1116.8	1130.7	1096.0
77.5°	534.1	548.0	568.8	610.4	652.1	693.7	742.2	776.9	790.8	776.9	735.3
80°	346.8	346.8	374.6	409.3	457.8	492.5	520.3	548.0	568.8	548.0	534.1
82.5°	215.0	215.0	249.7	291.3	326.0	346.8	388.5	423.2	444.0	430.1	409.3
85°	111.0	117.9	145.7	180.4	208.1	222.0	215.0	194.2	173.4	166.5	152.6
87.5°	34.7	34.7	41.6	41.6	34.7	34.7	41.6	34.7	41.6	41.6	41.6
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)