

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: P528464

Luminaire Tested: **GALN-SA3C-740-U-RW-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P528464
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-8)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA3C-740-U-RW-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 70 CRI, 4000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR
WIDE OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18390 lumens
Efficiency: N/A
Efficacy: 114.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

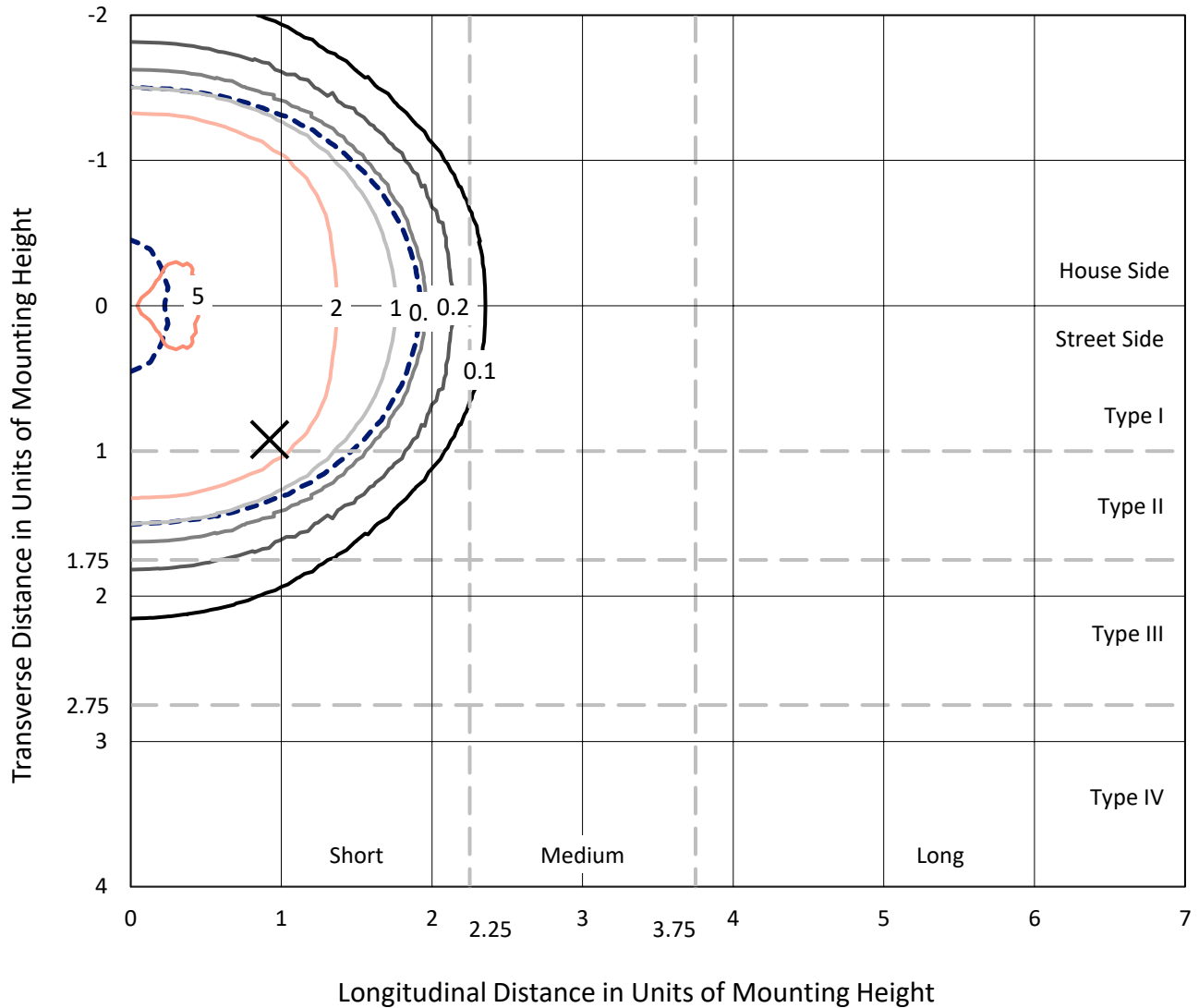
Input Watts (W): 160
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

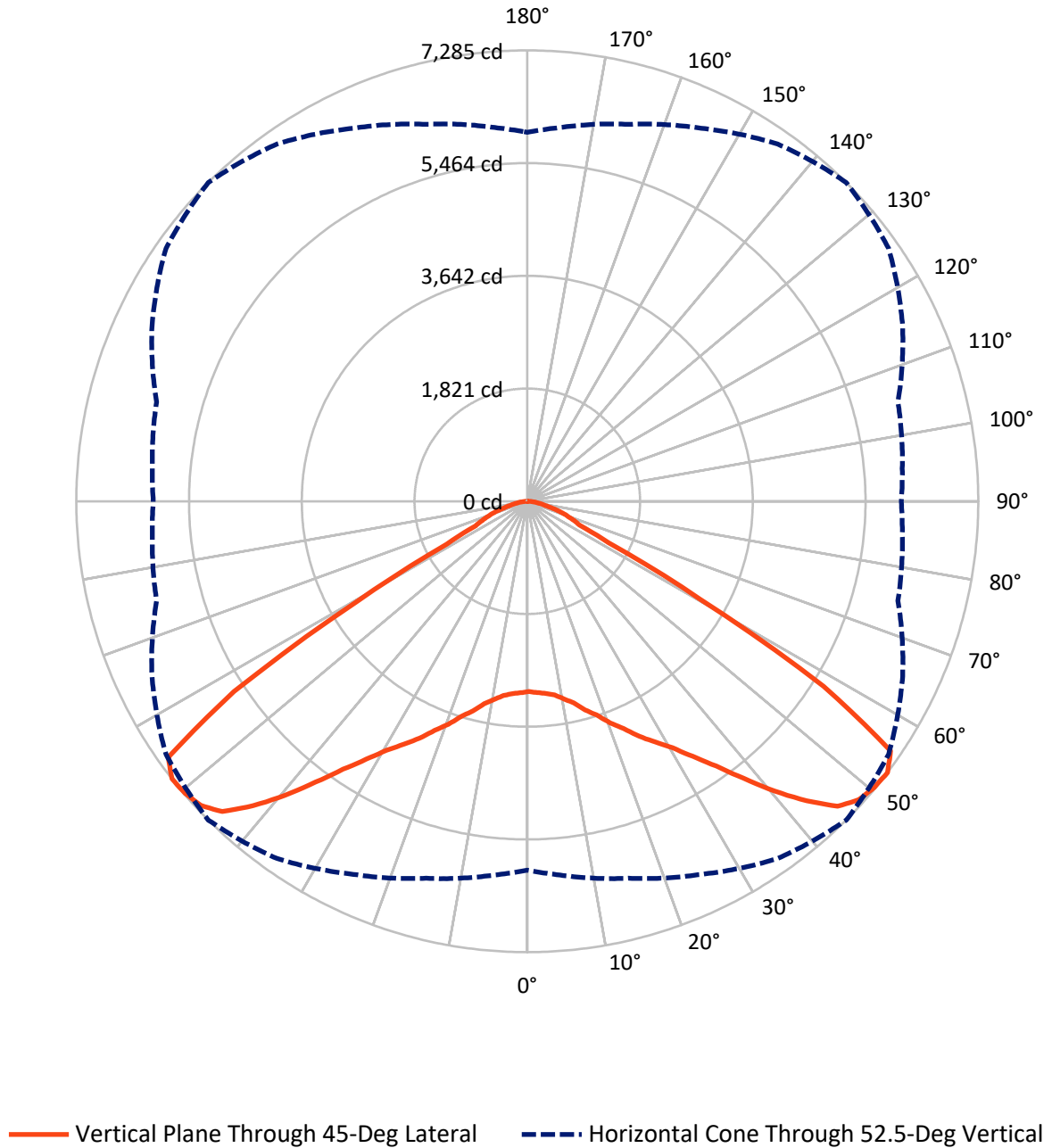
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.4 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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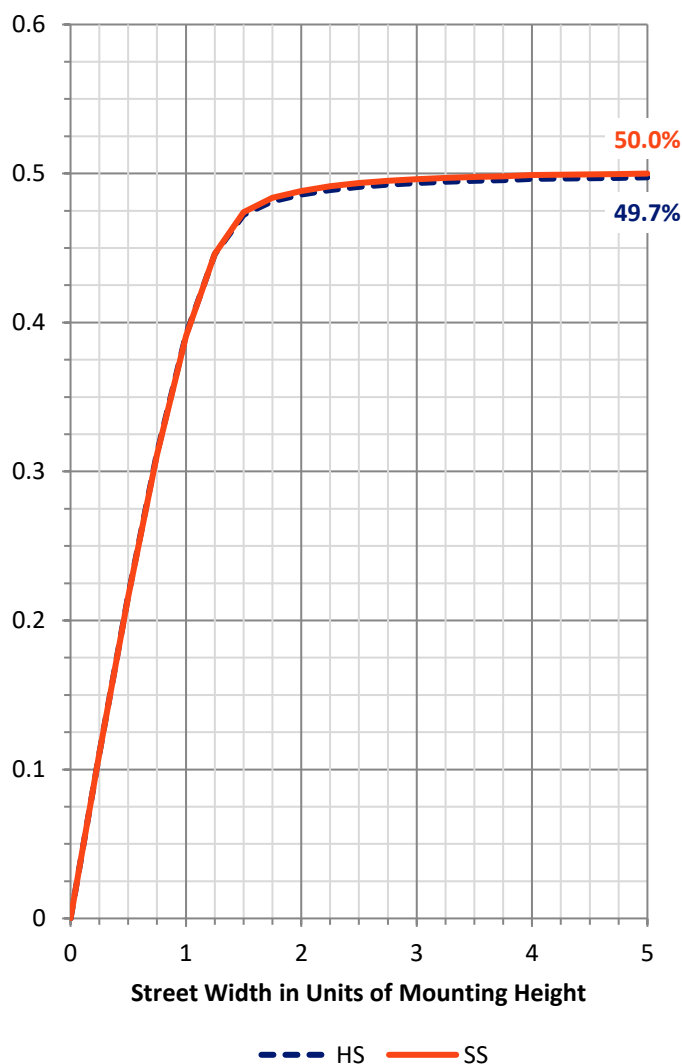
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9195.0	0.0	9195.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9195.0	0.0	9195.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	18390.0	0.0	18390.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	302.0	1.6
10°-20°	992.4	5.4
20°-30°	1889.5	10.3
30°-40°	3244.3	17.6
40°-50°	4986.6	27.1
50°-60°	5063.8	27.5
60°-70°	1411.2	7.7
70°-80°	416.3	2.3
80°-90°	83.9	0.5
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°	18390.0	100.0
0°-180°	18390.0	100.0

Coefficient of Utilization



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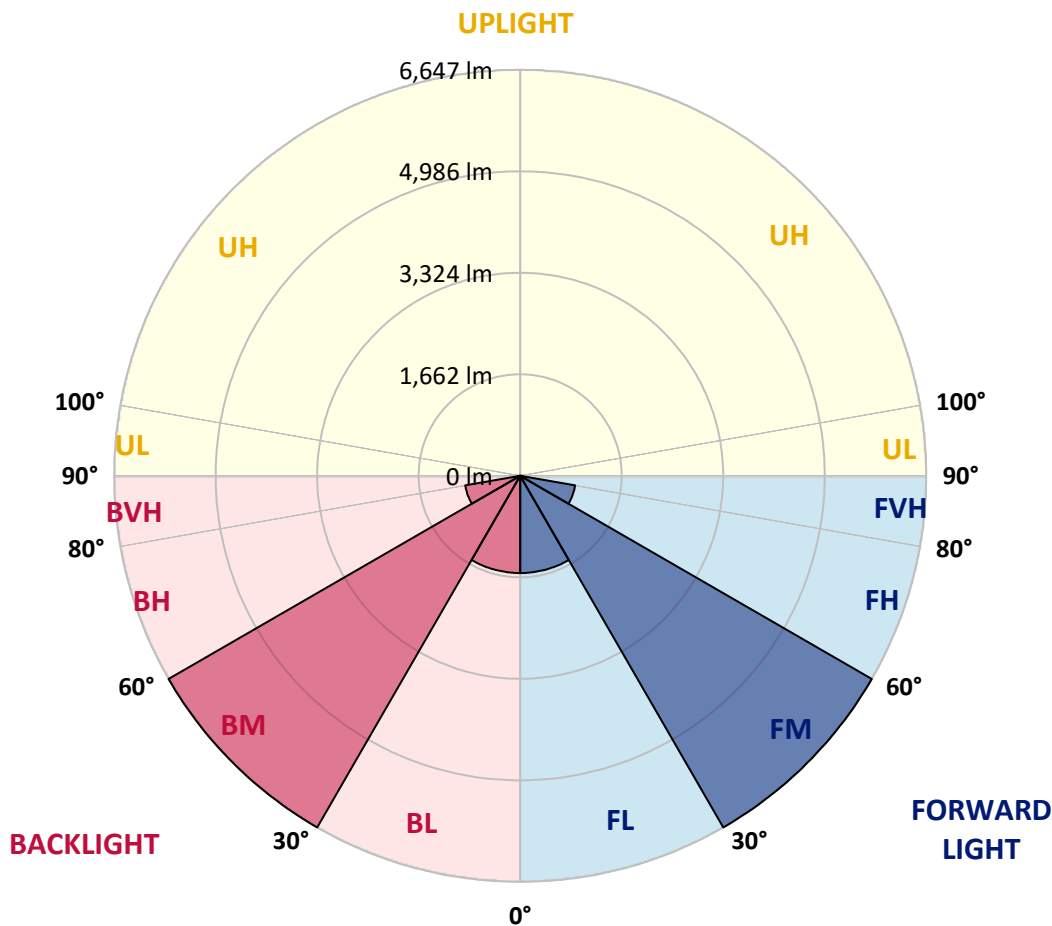
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1592.0	8.7			
FM (30°-60°)	6647.4	36.1			
FH (60°-80°)	913.8	5.0			G1/1800
FVH (80°-90°)	41.9	0.2			G1/100
BL (0°-30°)	1592.0	8.7	B3/2500		
BM (30°-60°)	6647.4	36.1	B4/8500		
BH (60°-80°)	913.8	5.0	B2/1000		G1/1800
BVH (80°-90°)	41.9	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3074.1	3074.1	3074.1	3074.1	3074.1	3074.1	3074.1	3074.1	3074.1	3074.1	3074.1
2.5°	3081.0	3049.0	3060.4	3067.3	3097.0	3094.7	3087.8	3097.0	3106.1	3108.4	3103.8
5°	3078.7	3055.9	3065.0	3071.8	3101.5	3117.5	3112.9	3151.7	3179.1	3172.3	3206.5
7.5°	3060.4	3074.1	3062.7	3097.0	3122.1	3160.9	3201.9	3238.4	3272.7	3311.5	3318.3
10°	3101.5	3101.5	3122.1	3149.4	3215.6	3245.3	3304.6	3357.1	3423.3	3469.0	3450.7
12.5°	3144.9	3151.7	3151.7	3222.5	3277.2	3343.4	3398.2	3469.0	3562.5	3617.3	3644.7
15°	3188.2	3192.8	3215.6	3311.5	3393.6	3498.6	3548.8	3612.7	3665.2	3767.9	3770.2
17.5°	3227.0	3252.1	3320.6	3427.9	3530.6	3631.0	3710.9	3777.1	3822.7	3863.8	3854.6
20°	3373.1	3391.4	3462.1	3569.4	3722.3	3820.4	3847.8	3859.2	3888.9	3971.0	3945.9
22.5°	3514.6	3521.4	3587.6	3751.9	3859.2	3989.3	4019.0	4012.1	4023.5	4044.1	4080.6
25°	3660.7	3672.1	3763.4	3902.6	4053.2	4208.4	4233.5	4181.0	4165.0	4187.8	4190.1
27.5°	3847.8	3850.1	3966.5	4087.4	4258.6	4404.7	4443.5	4402.4	4327.1	4345.3	4375.0
30°	4085.1	4069.2	4185.6	4359.0	4539.3	4621.5	4687.7	4667.1	4585.0	4569.0	4543.9
32.5°	4359.0	4363.6	4468.6	4658.0	4776.7	4913.6	4984.3	4950.1	4897.6	4870.2	4886.2
35°	4744.7	4765.2	4836.0	4993.5	5185.2	5253.6	5365.5	5292.4	5155.5	5189.7	5219.4
37.5°	5061.9	5121.3	5253.6	5440.8	5554.9	5680.4	5721.5	5623.4	5522.9	5481.9	5580.0
40°	5548.0	5529.8	5675.8	5863.0	6031.9	6157.4	6104.9	6006.8	5758.0	5760.3	5787.7
42.5°	5965.7	5974.8	6086.6	6310.3	6540.8	6618.4	6451.8	6212.2	5936.0	5906.3	5965.7
45°	6317.1	6353.7	6417.6	6716.5	6942.5	7026.9	6718.8	6435.8	6066.1	5942.9	6041.0
47.5°	6442.7	6502.0	6641.2	6915.1	7138.7	7207.2	6960.7	6554.5	6187.1	5986.2	6038.7
50°	6460.9	6440.4	6668.6	6919.6	7115.9	7264.3	7047.5	6641.2	6157.4	6052.4	6036.4
52.5°	5961.1	6061.5	6305.7	6650.3	7047.5	7284.8	7125.0	6689.1	6198.5	6079.8	6041.0
55°	4824.6	4705.9	5150.9	5730.6	6460.9	7120.5	7097.7	6714.2	6223.6	6125.4	6072.9
57.5°	2693.0	2727.2	2978.3	3608.2	4550.7	5646.2	6310.3	6449.5	6212.2	6155.1	6182.5
60°	1246.1	1257.5	1364.8	1659.2	2243.4	3201.9	4076.0	4963.8	5372.3	5454.5	5454.5
62.5°	928.9	924.3	951.7	1004.2	1127.4	1472.0	1965.0	2670.2	3231.6	3624.1	3726.8
65°	839.9	837.6	851.3	869.5	878.6	926.6	1036.1	1252.9	1435.5	1540.5	1522.2
67.5°	734.9	732.6	737.2	748.6	764.5	789.6	817.0	862.7	926.6	922.0	910.6
70°	593.4	593.4	600.2	609.3	627.6	657.3	689.2	721.2	775.9	787.4	785.1
72.5°	438.2	431.3	445.0	463.3	481.5	518.1	552.3	582.0	620.8	632.2	627.6
75°	278.4	283.0	292.1	312.7	344.6	369.7	406.2	431.3	456.4	465.6	467.9
77.5°	155.2	159.8	175.7	200.8	232.8	260.2	292.1	312.7	328.6	330.9	333.2
80°	93.6	95.9	111.8	134.7	162.0	191.7	216.8	237.3	251.0	244.2	241.9
82.5°	57.1	59.3	73.0	93.6	116.4	139.2	166.6	184.9	198.6	189.4	180.3
85°	29.7	32.0	43.4	57.1	75.3	86.7	86.7	77.6	75.3	70.7	68.5
87.5°	9.1	9.1	11.4	13.7	11.4	13.7	16.0	18.3	18.3	20.5	18.3
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)