

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: P531271

Luminaire Tested: **GALN-SA6C-740-U-RW-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P531271
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-7)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA6C-740-U-RW-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 4000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR
WIDE OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 26942 lumens
Efficiency: N/A
Efficacy: 83.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

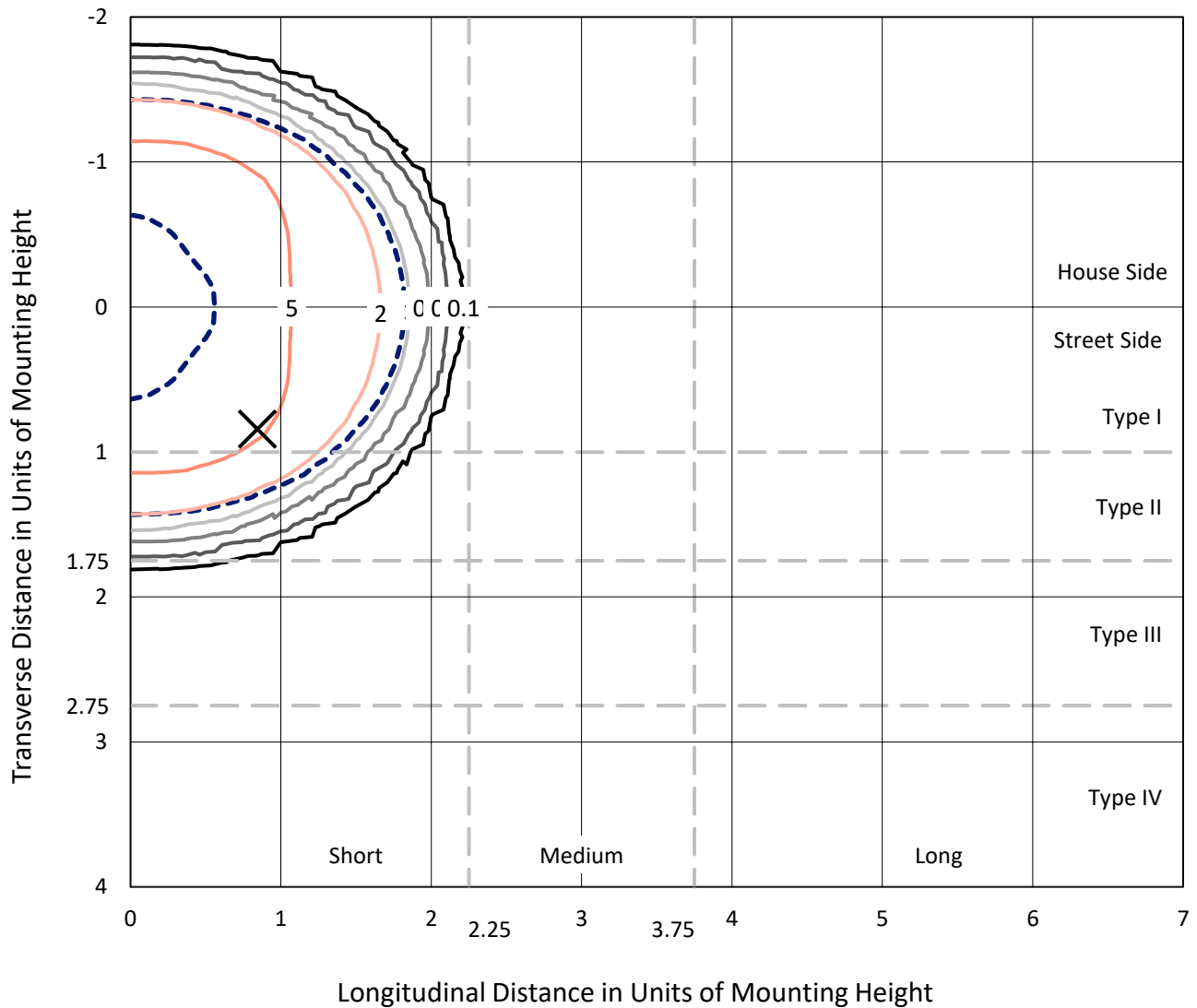
Input Watts (W): 321
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

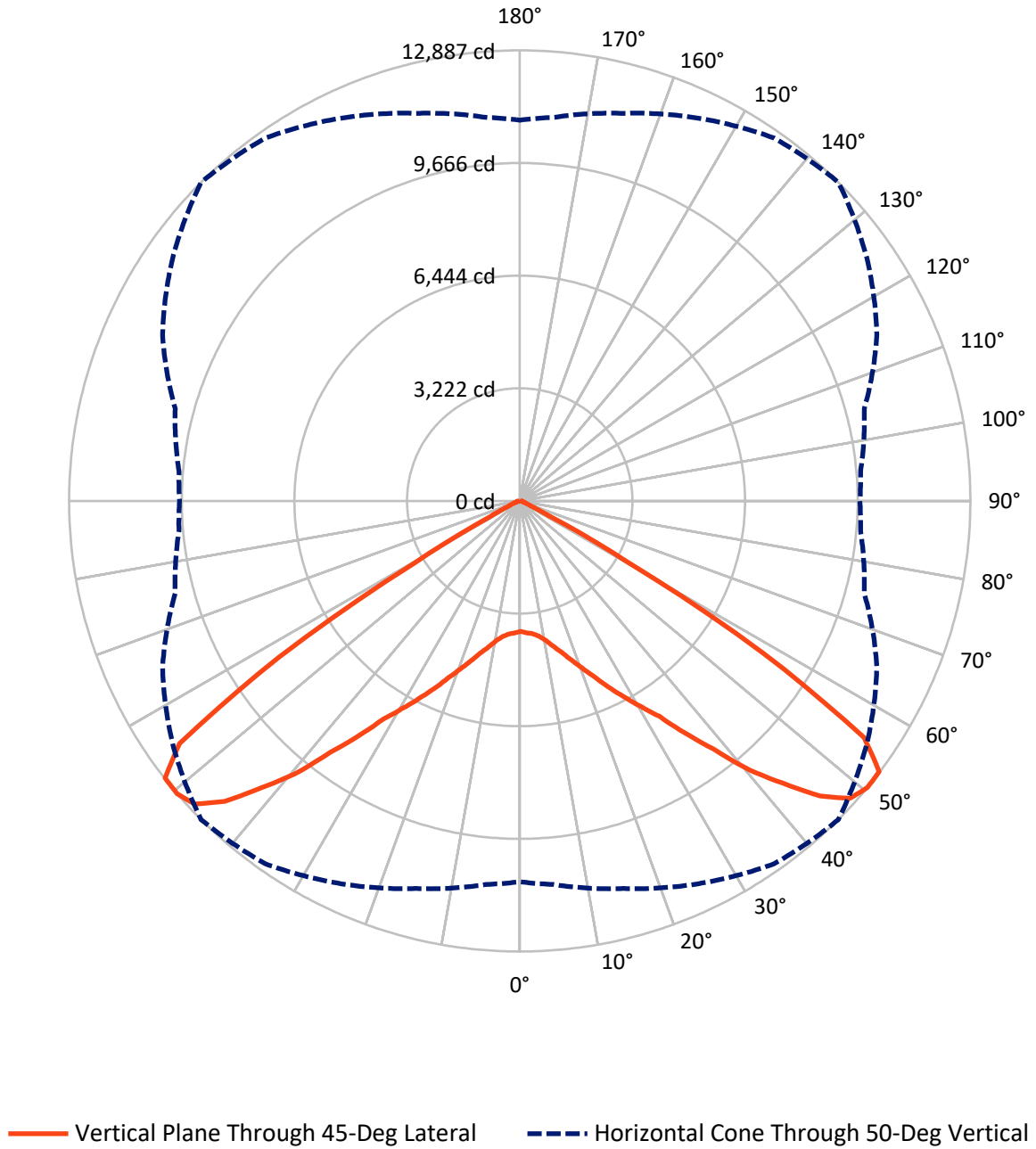
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.2 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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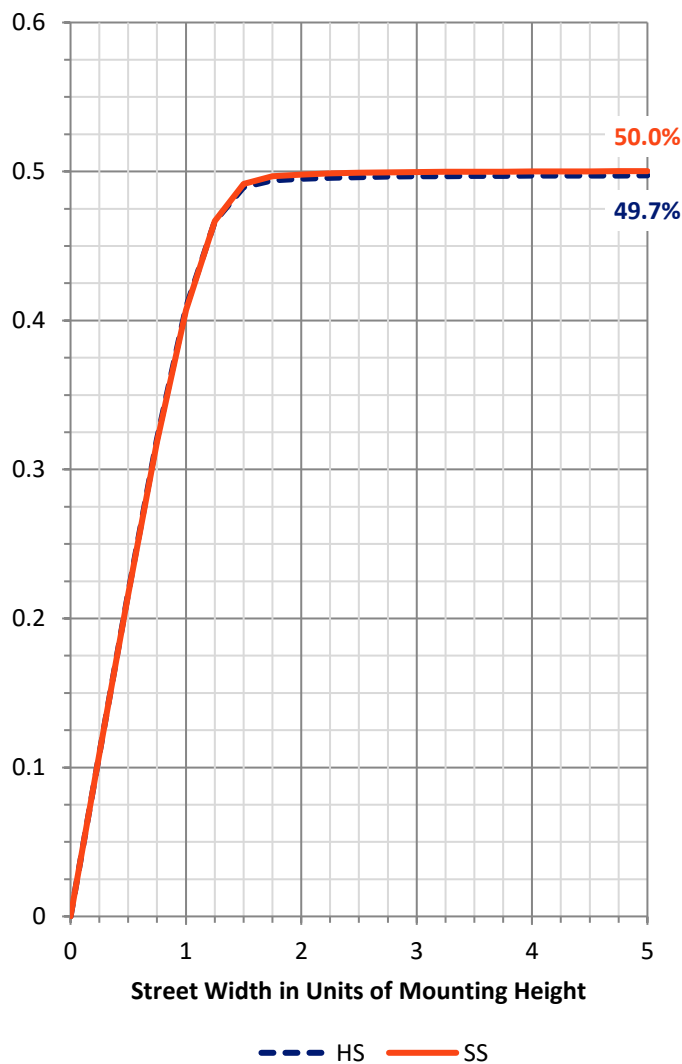
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	13471.0	0.0	13471.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	13471.0	0.0	13471.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	26942.0	0.0	26942.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	371.6	1.4
10°-20°	1280.7	4.8
20°-30°	2615.8	9.7
30°-40°	4988.3	18.5
40°-50°	8406.0	31.2
50°-60°	8016.6	29.8
60°-70°	1119.1	4.2
70°-80°	107.0	0.4
80°-90°	37.0	0.1
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°	26942.0	100.0
0°-180°	26942.0	100.0

Coefficient of Utilization



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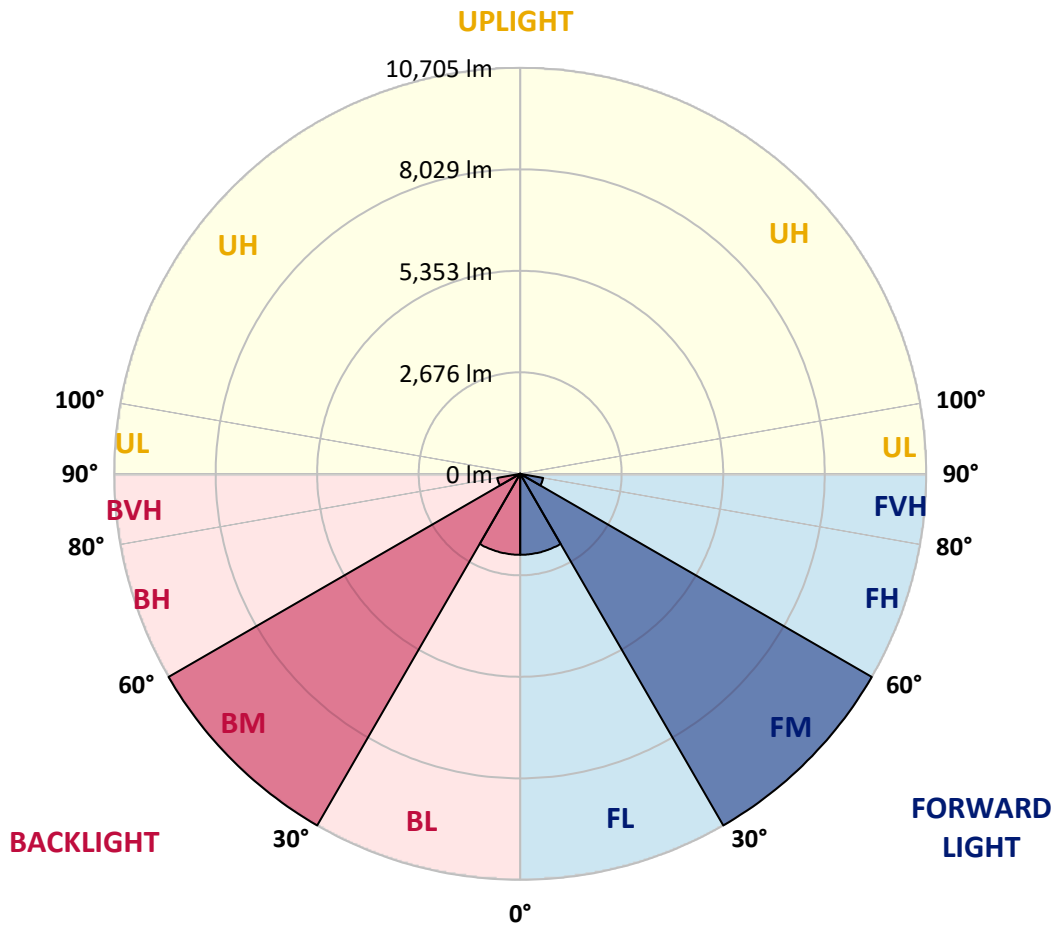
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2134.1	7.9			
FM (30°-60°)	10705.4	39.7			
FH (60°-80°)	613.0	2.3			G0/660
FVH (80°-90°)	18.5	0.1			G1/100
BL (0°-30°)	2134.1	7.9	B3/2500		
BM (30°-60°)	10705.4	39.7	B5		
BH (60°-80°)	613.0	2.3	B2/1000		G0/660
BVH (80°-90°)	18.5	0.1			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°	3735.2	3735.2	3735.2	3735.2	3735.2	3735.2	3735.2	3735.2	3735.2	3735.2	3735.2
2.5°	3721.6	3721.6	3717.1	3753.3	3735.2	3776.0	3771.5	3785.1	3798.7	3794.1	3830.4
5°	3689.9	3685.3	3685.3	3726.1	3766.9	3812.3	3853.1	3880.3	3925.6	3925.6	3970.9
7.5°	3721.6	3698.9	3730.7	3748.8	3825.9	3902.9	3970.9	4025.3	4129.6	4165.8	4152.3
10°	3730.7	3757.9	3780.5	3834.9	3930.1	4048.0	4106.9	4242.9	4360.8	4442.4	4460.5
12.5°	3789.6	3830.4	3893.9	4025.3	4111.5	4265.6	4347.2	4478.6	4641.8	4732.5	4795.9
15°	3902.9	3916.5	3998.1	4165.8	4351.7	4492.2	4619.2	4714.3	4873.0	4977.3	4981.8
17.5°	4048.0	4106.9	4220.2	4378.9	4573.8	4782.3	4882.1	4986.3	5045.3	5185.8	5217.5
20°	4338.1	4347.2	4456.0	4664.5	4909.3	5099.7	5172.2	5226.6	5203.9	5349.0	5376.2
22.5°	4610.1	4619.2	4755.1	5036.2	5299.1	5462.3	5494.0	5462.3	5394.3	5498.6	5507.6
25°	4886.6	4968.2	5067.9	5349.0	5675.3	5892.9	5897.5	5811.3	5670.8	5688.9	5734.3
27.5°	5317.2	5376.2	5480.4	5738.8	6096.9	6341.7	6300.9	6196.6	6015.3	6028.9	6015.3
30°	5820.4	5874.8	5960.9	6291.8	6554.8	6822.2	6881.1	6781.4	6509.4	6450.5	6518.5
32.5°	6427.8	6504.9	6663.5	6967.3	7189.4	7352.6	7393.4	7357.1	7103.2	7080.6	7125.9
35°	7166.7	7271.0	7416.0	7683.5	7864.8	8159.4	8159.4	8037.1	7805.9	7833.1	7828.5
37.5°	7946.4	8100.5	8327.2	8599.1	8843.9	9002.6	8952.7	8848.5	8617.3	8558.3	8617.3
40°	8925.5	9002.6	9288.2	9641.7	9940.9	10122.2	9909.2	9682.5	9129.5	9215.6	9374.3
42.5°	9818.5	9940.9	10158.5	10548.3	10888.3	11037.9	10784.1	10335.3	9668.9	9600.9	9718.8
45°	10580.1	10711.5	10997.1	11554.7	11912.8	12044.2	11482.2	10756.9	9995.3	9823.1	9872.9
47.5°	11087.8	11155.8	11554.7	12085.0	12411.4	12710.6	11903.7	11047.0	10149.4	9823.1	9804.9
50°	10892.9	11010.7	11477.6	12080.5	12674.3	12887.4	12116.8	11269.1	10199.3	9782.3	9727.9
52.5°	9673.5	9877.5	10398.8	11210.2	12107.7	12869.3	12411.4	11196.6	10181.2	9823.1	9904.7
55°	6731.5	6736.1	7370.7	8567.4	10154.0	11949.1	11980.8	11278.2	10299.0	10076.9	10081.4
57.5°	2706.2	2842.2	3327.2	4528.5	5992.7	8204.8	9755.1	10462.2	10312.6	10258.2	10398.8
60°	684.5	689.0	838.6	1278.3	2107.9	3517.6	5108.7	6912.9	7960.0	8318.1	8368.0
62.5°	349.0	353.6	389.8	453.3	575.7	942.9	1677.2	2660.9	3785.1	4356.2	4505.8
65°	285.6	285.6	308.2	340.0	344.5	362.6	435.2	621.0	902.1	1024.5	1038.1
67.5°	217.6	217.6	235.7	253.8	262.9	258.4	249.3	258.4	312.8	299.2	290.1
70°	136.0	140.5	149.6	167.7	176.8	181.3	185.9	194.9	222.1	231.2	222.1
72.5°	81.6	81.6	86.1	99.7	113.3	122.4	136.0	145.1	158.7	181.3	176.8
75°	36.3	36.3	45.3	58.9	72.5	86.1	99.7	113.3	122.4	136.0	140.5
77.5°	9.1	13.6	22.7	40.8	54.4	72.5	90.7	104.3	113.3	113.3	108.8
80°	4.5	4.5	18.1	31.7	58.9	77.1	99.7	108.8	122.4	113.3	99.7
82.5°	4.5	4.5	18.1	31.7	54.4	77.1	104.3	117.9	126.9	113.3	95.2
85°	0.0	4.5	13.6	27.2	45.3	54.4	45.3	31.7	18.1	18.1	13.6
87.5°	0.0	0.0	4.5	4.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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)