

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: P532279

Luminaire Tested: **GALN-SA7C-827-U-5NQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P532279
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-5)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA7C-827-U-5NQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 80 CRI, 2700K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V
NARROW OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 24729 lumens
Efficiency: N/A
Efficacy: 65.6 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

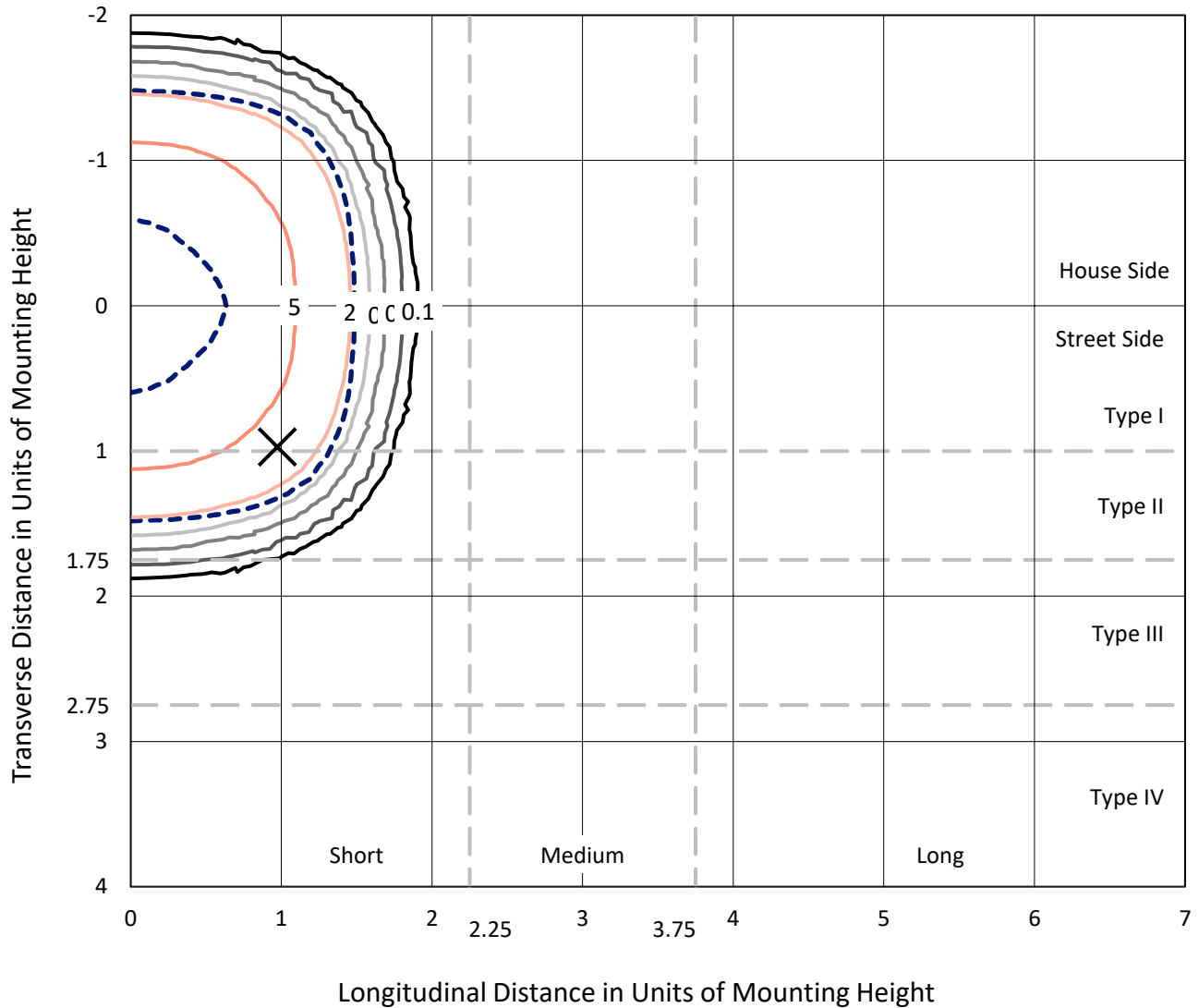
Input Watts (W): 377
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

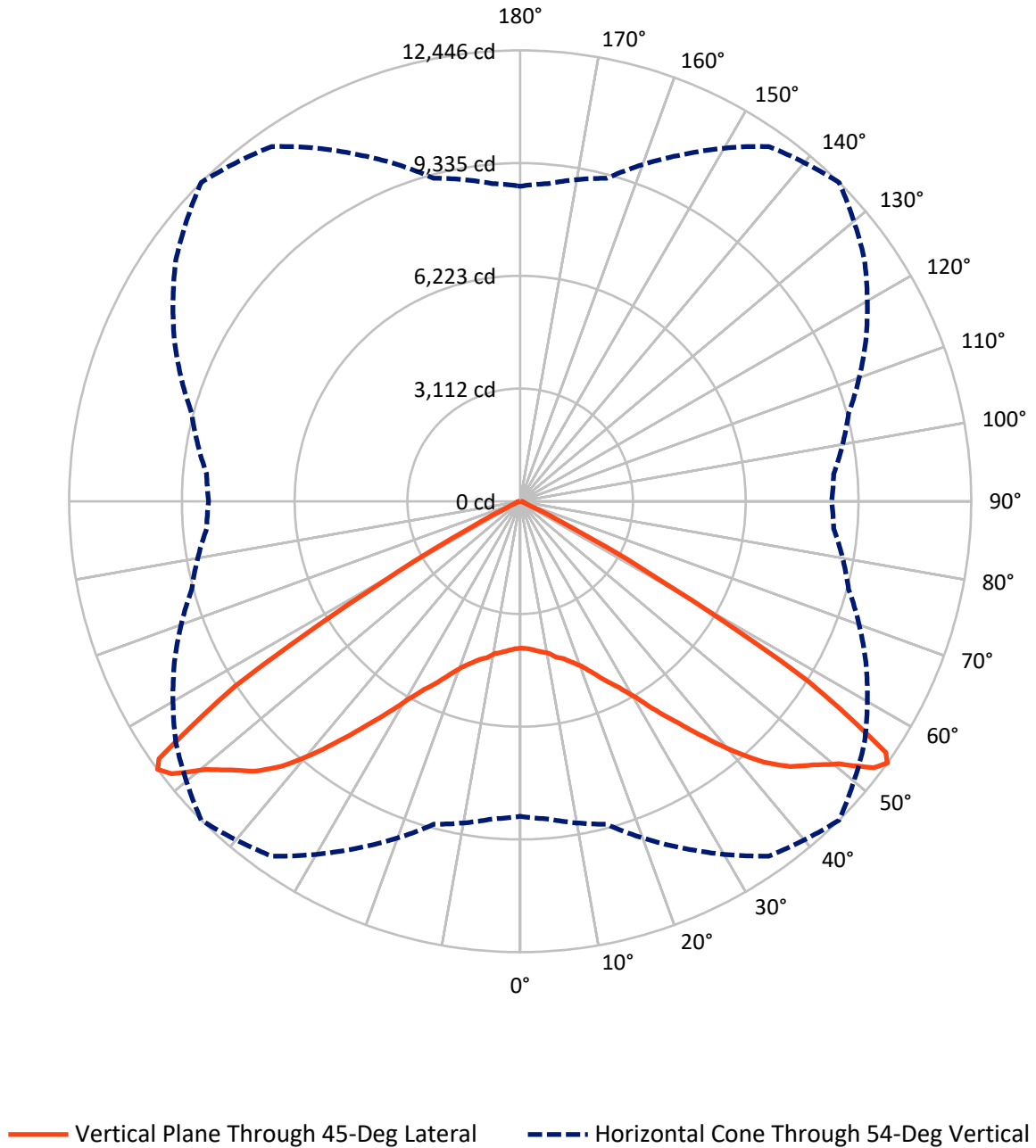
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.6 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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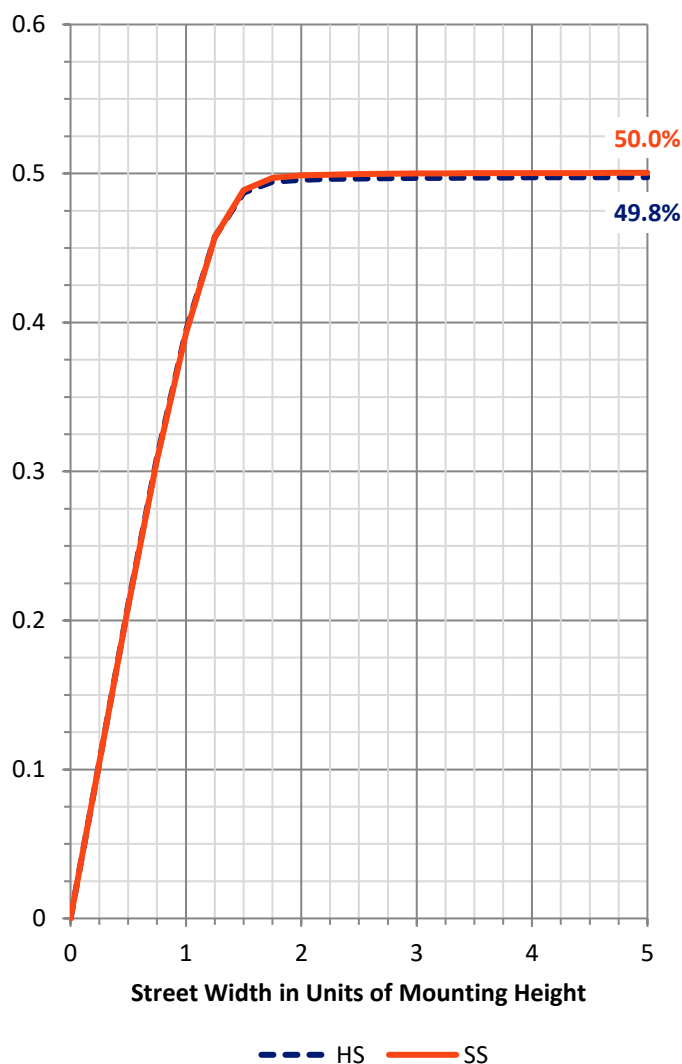
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	12364.5	0.0	12364.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	12364.5	0.0	12364.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	24729.0	0.0	24729.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	396.9	1.6
10°-20°	1285.2	5.2
20°-30°	2518.9	10.2
30°-40°	4529.6	18.3
40°-50°	7753.7	31.4
50°-60°	7502.5	30.3
60°-70°	642.2	2.6
70°-80°	76.1	0.3
80°-90°	23.9	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°	24729.0	100.0
0°-180°	24729.0	100.0

Coefficient of Utilization



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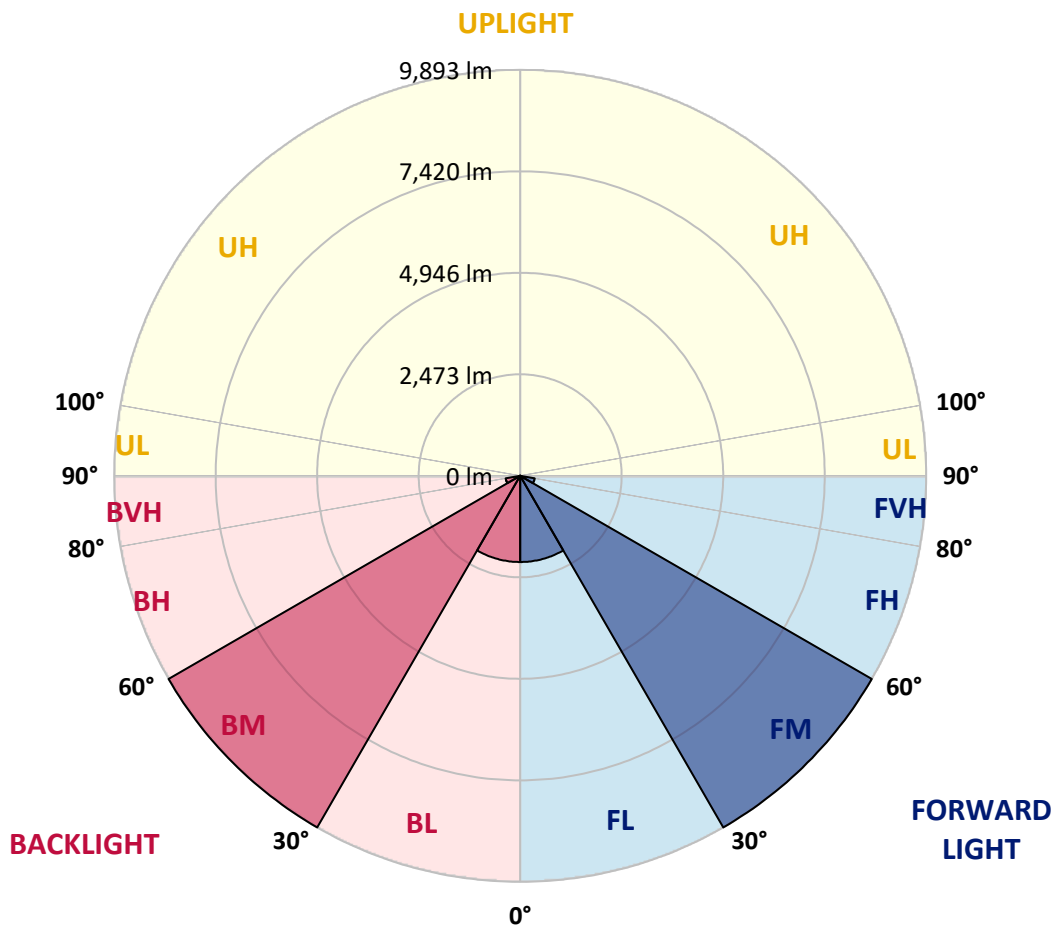
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2100.5	8.5			
FM (30°-60°)	9892.9	40.0			
FH (60°-80°)	359.2	1.5			G0/660
FVH (80°-90°)	11.9	0.0			G1/100
BL (0°-30°)	2100.5	8.5	B3/2500		
BM (30°-60°)	9892.9	40.0	B5		
BH (60°-80°)	359.2	1.5	B1/500		G0/660
BVH (80°-90°)	11.9	0.0			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°	4054.8	4054.8	4054.8	4054.8	4054.8	4054.8	4054.8	4054.8	4054.8	4054.8	4054.8
2.5°	4074.4	4097.9	4082.2	4094.0	4094.0	4074.4	4086.1	4039.1	4070.5	4047.0	4050.9
5°	4137.1	4133.1	4133.1	4137.1	4121.4	4129.2	4113.6	4097.9	4086.1	4070.5	4117.5
7.5°	4215.4	4215.4	4188.0	4195.8	4188.0	4199.7	4168.4	4137.1	4125.3	4113.6	4105.7
10°	4289.8	4282.0	4270.3	4305.5	4278.1	4262.4	4246.8	4227.2	4184.1	4168.4	4152.7
12.5°	4399.5	4395.6	4380.0	4415.2	4399.5	4415.2	4356.4	4305.5	4297.7	4246.8	4274.2
15°	4528.8	4564.1	4536.7	4536.7	4528.8	4509.2	4485.7	4462.2	4391.7	4372.1	4376.0
17.5°	4697.3	4685.5	4689.4	4689.4	4728.6	4677.7	4630.7	4571.9	4536.7	4524.9	4485.7
20°	4857.9	4873.6	4869.7	4897.1	4920.6	4865.7	4814.8	4807.0	4709.0	4724.7	4669.9
22.5°	5140.0	5128.2	5147.8	5167.4	5151.7	5143.9	5096.9	5038.1	4951.9	4912.8	4904.9
25°	5437.7	5418.1	5382.9	5429.9	5453.4	5488.7	5398.5	5367.2	5234.0	5175.2	5179.2
27.5°	5692.4	5719.8	5759.0	5778.6	5837.3	5825.6	5762.9	5661.0	5559.2	5492.6	5449.5
30°	6041.0	6056.7	6123.3	6150.7	6252.6	6280.0	6182.1	6064.5	5884.3	5798.1	5747.2
32.5°	6362.3	6472.0	6468.1	6605.2	6769.7	6883.3	6707.0	6526.8	6346.6	6244.8	6154.7
35°	6883.3	6863.8	6977.4	7122.3	7388.7	7518.0	7326.0	7118.4	6844.2	6679.6	6609.1
37.5°	7369.1	7377.0	7529.8	7760.9	8066.5	8266.3	8097.8	7757.0	7474.9	7263.4	7165.4
40°	8074.3	8090.0	8246.7	8509.2	8853.9	9069.4	8873.5	8528.8	8152.7	7988.1	7988.1
42.5°	8900.9	8967.5	9069.4	9296.6	9606.1	9845.1	9668.8	9398.5	9018.5	8806.9	8838.3
45°	9751.1	9782.4	9849.0	10185.9	10330.9	10448.4	10283.9	10158.5	9903.9	9645.3	9602.2
47.5°	10546.4	10558.1	10754.0	10859.8	10973.4	10875.4	10981.2	10816.7	10530.7	10280.0	10229.0
50°	10899.0	10879.4	11157.5	11478.8	11565.0	11392.6	11302.5	11192.8	10757.9	10456.3	10323.1
52.5°	9872.5	9986.1	10503.3	11396.5	12070.3	12215.3	11690.3	11184.9	10374.0	9786.3	9696.2
54°	8697.2	8803.0	9230.0	10554.2	11956.7	12446.4	11600.2	10526.8	9382.8	8685.5	8595.4
55°	7533.7	7416.1	8191.8	9543.4	11423.9	12242.7	11243.7	9676.6	8368.1	7729.6	7604.2
57.5°	4078.3	4097.9	4752.1	6029.3	8027.3	9386.7	8289.8	6546.4	4944.1	4227.2	4164.5
60°	1292.8	1324.2	1610.2	2436.8	3835.4	4579.8	3925.5	2628.8	1817.8	1457.4	1398.6
62.5°	403.5	419.2	458.4	681.7	1049.9	1500.5	1175.3	705.2	525.0	481.9	489.7
65°	246.8	246.8	250.7	266.4	313.4	364.3	352.6	309.5	297.7	289.9	286.0
67.5°	160.6	156.7	164.5	176.3	184.1	188.0	199.8	211.6	207.6	199.8	199.8
70°	97.9	94.0	101.9	117.5	121.4	129.3	141.0	156.7	152.8	145.0	148.9
72.5°	54.8	54.8	58.8	70.5	82.3	90.1	101.9	113.6	117.5	113.6	113.6
75°	19.6	23.5	31.3	43.1	50.9	62.7	74.4	86.2	97.9	90.1	86.2
77.5°	7.8	7.8	15.7	27.4	39.2	50.9	70.5	82.3	90.1	82.3	74.4
80°	3.9	3.9	11.8	23.5	35.3	47.0	58.8	70.5	74.4	66.6	58.8
82.5°	3.9	3.9	11.8	23.5	35.3	43.1	62.7	70.5	78.4	70.5	58.8
85°	0.0	3.9	11.8	23.5	31.3	35.3	35.3	23.5	19.6	11.8	11.8
87.5°	0.0	0.0	3.9	0.0	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)