

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: P650897

Luminaire Tested: **GALN-SA5C-840-U-RW-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P650897
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-SA5C-840-U-RW-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(5) 80 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: 25944.8 lumens
Efficiency: N/A
Efficacy: 96.4 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): 269
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

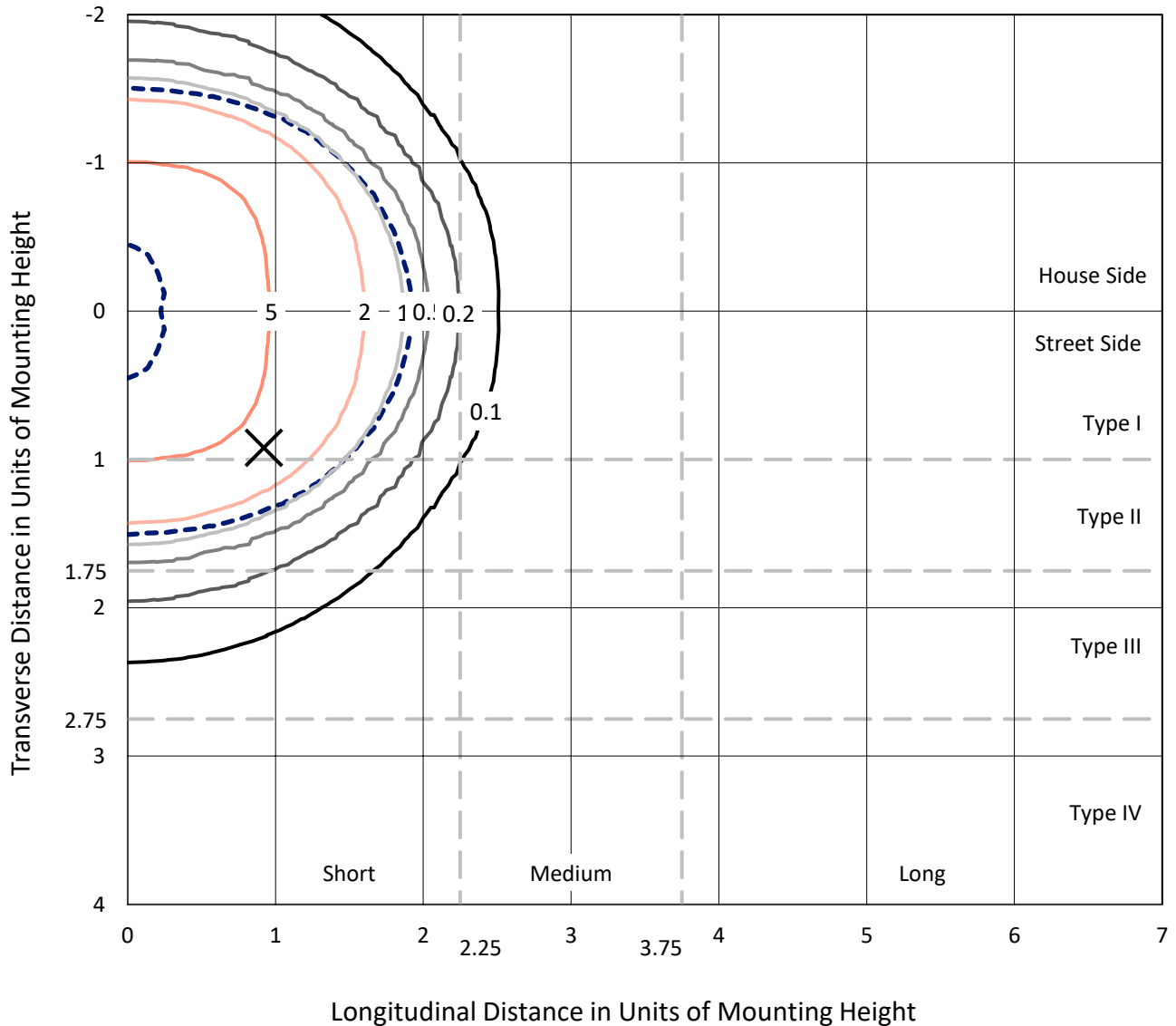




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Iso-Footcandle Lines of Horizontal Illumination

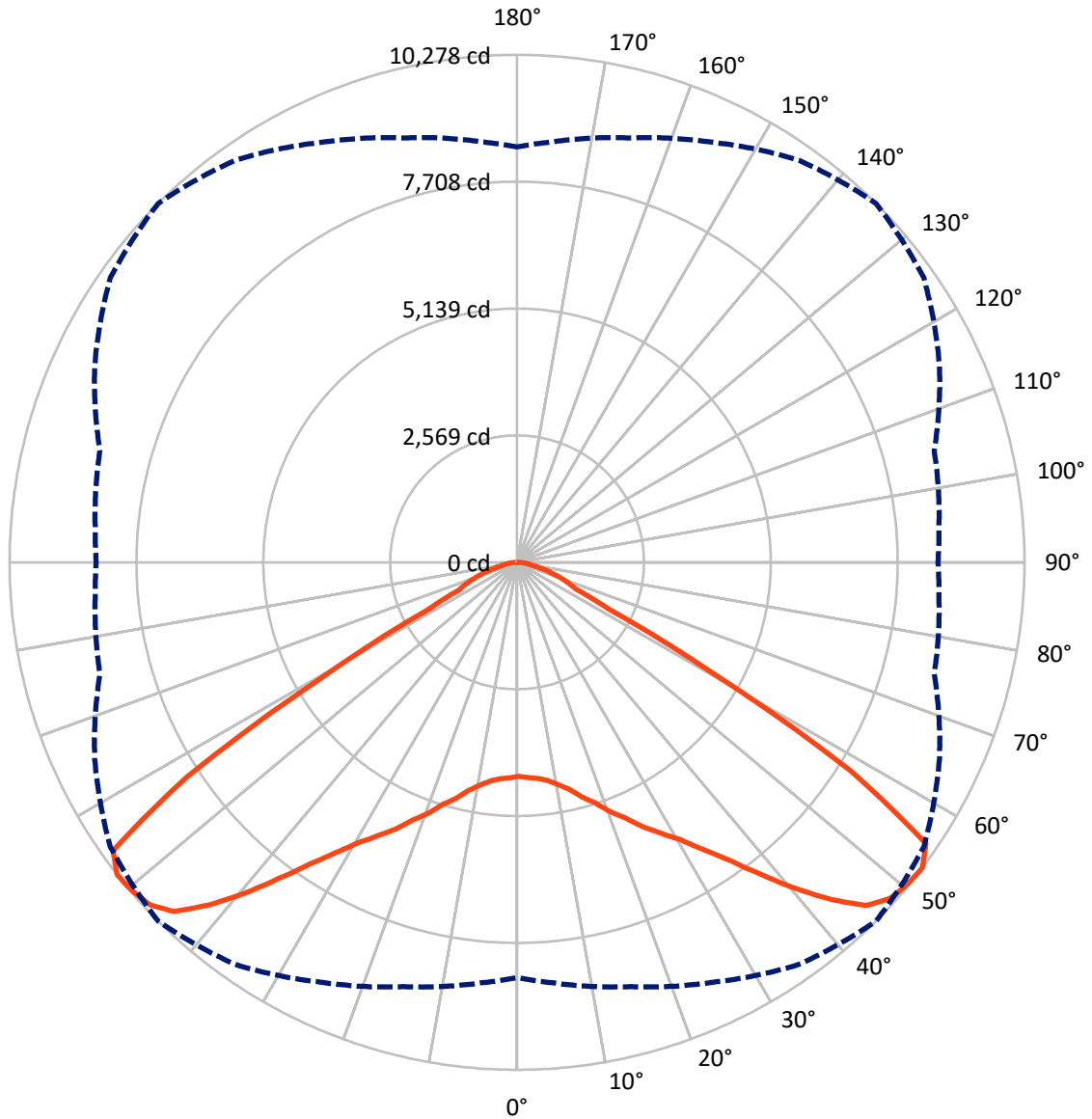
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.7 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 52.5-Deg Vertical

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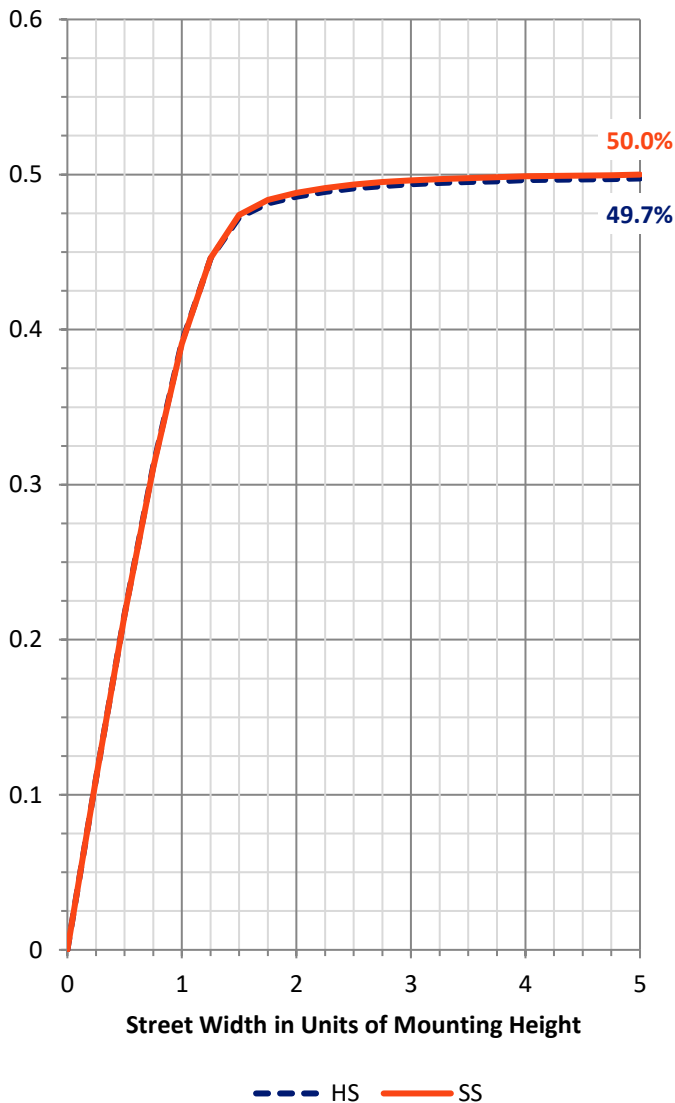
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	12972.4	0.0	12972.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	12972.4	0.0	12972.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	25944.8	0.0	25944.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	426.1	1.6
10°-20°	1400.1	5.4
20°-30°	2665.7	10.3
30°-40°	4577.1	17.6
40°-50°	7035.2	27.1
50°-60°	7144.1	27.5
60°-70°	1991.0	7.7
70°-80°	587.3	2.3
80°-90°	118.3	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°	25944.8	100.0
0°-180°	25944.8	100.0

Coefficient of Utilization



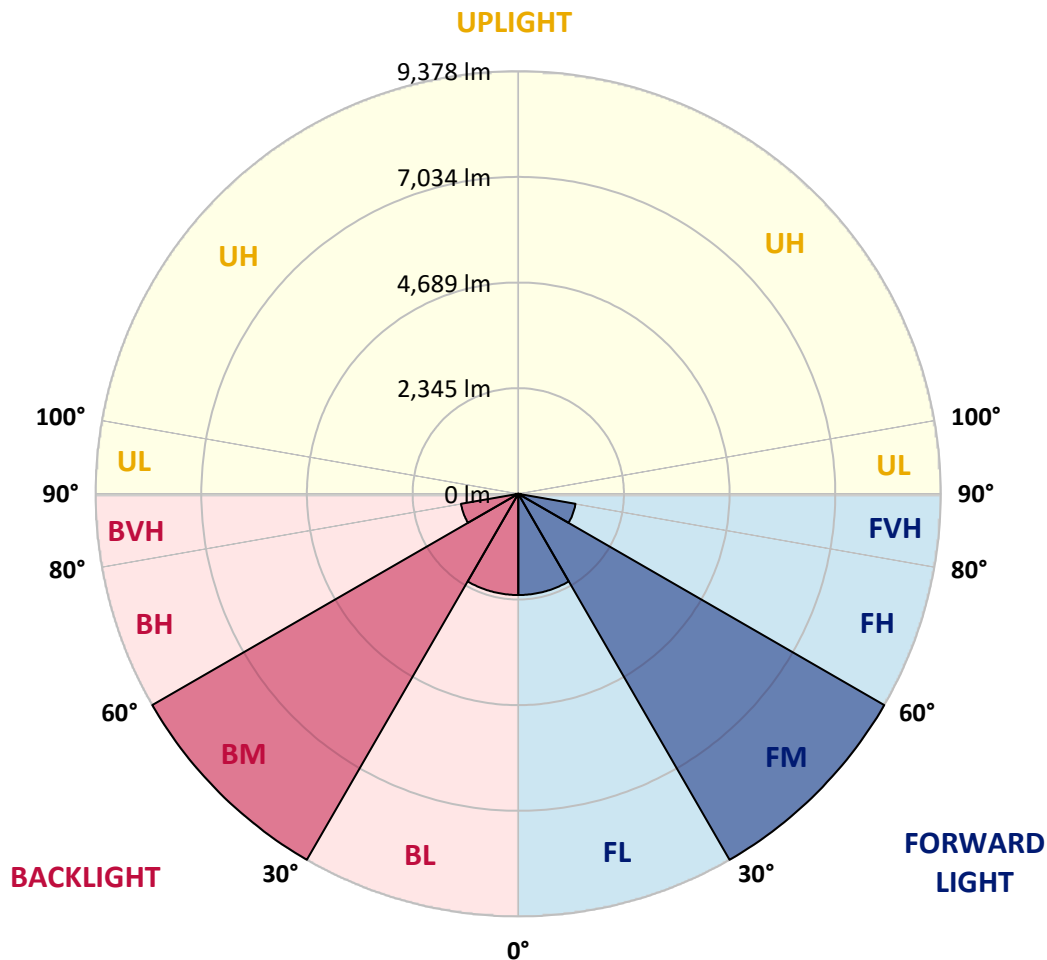
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2245.9	8.7			
FM (30°-60°)	9378.2	36.1			
FH (60°-80°)	1289.1	5.0			G1/1800
FVH (80°-90°)	59.1	0.2			G1/100
BL (0°-30°)	2245.9	8.7	B3/2500		
BM (30°-60°)	9378.2	36.1	B5		
BH (60°-80°)	1289.1	5.0	B3/2500		G1/1800
BVH (80°-90°)	59.1	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°	4337.0	4337.0	4337.0	4337.0	4337.0	4337.0	4337.0	4337.0	4337.0	4337.0	4337.0
2.5°	4346.7	4301.6	4317.7	4327.4	4369.2	4366.0	4356.4	4369.2	4382.1	4385.3	4378.9
5°	4343.4	4311.3	4324.2	4333.8	4375.6	4398.2	4391.8	4446.5	4485.1	4475.5	4523.7
7.5°	4317.7	4337.0	4320.9	4369.2	4404.7	4459.4	4517.3	4568.8	4617.2	4671.8	4681.5
10°	4375.6	4375.6	4404.7	4443.3	4536.7	4578.5	4662.3	4736.3	4829.6	4894.0	4868.3
12.5°	4436.9	4446.5	4446.5	4546.3	4623.6	4716.9	4794.2	4894.0	5026.1	5103.4	5142.0
15°	4498.0	4504.5	4536.7	4671.8	4787.8	4935.9	5006.7	5096.9	5171.0	5315.8	5319.1
17.5°	4552.8	4588.2	4684.8	4836.1	4981.0	5122.6	5235.3	5328.7	5393.1	5451.0	5438.2
20°	4758.8	4784.5	4884.4	5035.7	5251.5	5389.9	5428.5	5444.6	5486.5	5602.4	5567.0
22.5°	4958.5	4968.1	5061.5	5293.3	5444.6	5628.1	5670.0	5660.4	5676.4	5705.4	5757.0
25°	5164.5	5180.6	5309.4	5505.8	5718.3	5937.2	5972.7	5898.6	5876.1	5908.3	5911.5
27.5°	5428.5	5431.8	5595.9	5766.6	6008.1	6214.1	6268.9	6211.0	6104.7	6130.5	6172.3
30°	5763.4	5740.8	5905.1	6149.7	6404.1	6520.0	6613.4	6584.4	6468.5	6445.9	6410.5
32.5°	6149.7	6156.2	6304.3	6571.6	6738.9	6932.2	7031.9	6983.7	6909.7	6871.0	6893.5
35°	6693.9	6722.9	6822.7	7044.8	7315.3	7411.9	7569.7	7466.7	7273.5	7321.7	7363.6
37.5°	7141.4	7225.1	7411.9	7675.9	7836.9	8014.0	8071.9	7933.5	7791.9	7733.8	7872.3
40°	7827.3	7801.5	8007.6	8271.6	8509.8	8686.9	8612.8	8474.4	8123.5	8126.7	8165.4
42.5°	8416.5	8429.3	8587.1	8902.7	9227.9	9337.3	9102.3	8764.2	8374.6	8332.7	8416.5
45°	8912.3	8963.8	9054.0	9475.8	9794.5	9913.6	9479.0	9079.8	8558.1	8384.3	8522.7
47.5°	9089.4	9173.1	9369.5	9755.9	10071.4	10168.0	9820.3	9247.1	8728.8	8445.4	8519.5
50°	9115.2	9086.2	9408.2	9762.3	10039.3	10248.5	9942.6	9369.5	8686.9	8538.8	8516.3
52.5°	8410.0	8551.7	8896.2	9382.4	9942.6	10277.5	10052.1	9437.1	8744.9	8577.4	8522.7
55°	6806.5	6639.2	7267.0	8084.9	9115.2	10045.7	10013.5	9472.5	8780.3	8641.9	8567.8
57.5°	3799.3	3847.7	4201.8	5090.5	6420.2	7965.7	8902.7	9099.0	8764.2	8683.7	8722.3
60°	1758.0	1774.1	1925.4	2340.8	3165.0	4517.3	5750.5	7003.0	7579.3	7695.2	7695.2
62.5°	1310.4	1304.0	1342.7	1416.7	1590.6	2076.8	2772.2	3767.1	4559.2	5113.0	5257.8
65°	1184.9	1181.7	1200.9	1226.8	1239.6	1307.3	1461.7	1767.6	2025.2	2173.3	2147.6
67.5°	1036.8	1033.5	1040.0	1056.0	1078.6	1114.1	1152.7	1217.1	1307.3	1300.8	1284.7
70°	837.1	837.1	846.8	859.7	885.4	927.3	972.4	1017.4	1094.7	1110.8	1107.6
72.5°	618.2	608.5	627.9	653.6	679.4	730.9	779.2	821.1	875.8	891.9	885.4
75°	392.8	399.2	412.1	441.1	486.2	521.6	573.1	608.5	644.0	656.8	660.0
77.5°	218.9	225.4	247.9	283.3	328.4	367.0	412.1	441.1	463.6	466.8	470.1
80°	132.0	135.2	157.8	190.0	228.6	270.5	305.9	334.9	354.1	344.5	341.3
82.5°	80.5	83.7	103.0	132.0	164.2	196.4	235.1	260.8	280.1	267.3	254.4
85°	41.9	45.1	61.1	80.5	106.2	122.4	122.4	109.5	106.2	99.8	96.6
87.5°	12.9	12.9	16.1	19.3	16.1	19.3	22.5	25.7	25.7	29.0	25.7
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)