

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: P651997

Luminaire Tested: **GALN-SA7A-840-U-RW-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P651997
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-SA7A-840-U-RW-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 80 CRI, 4000K, 615mA 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: 23472.3 lumens
Efficiency: N/A
Efficacy: 109.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

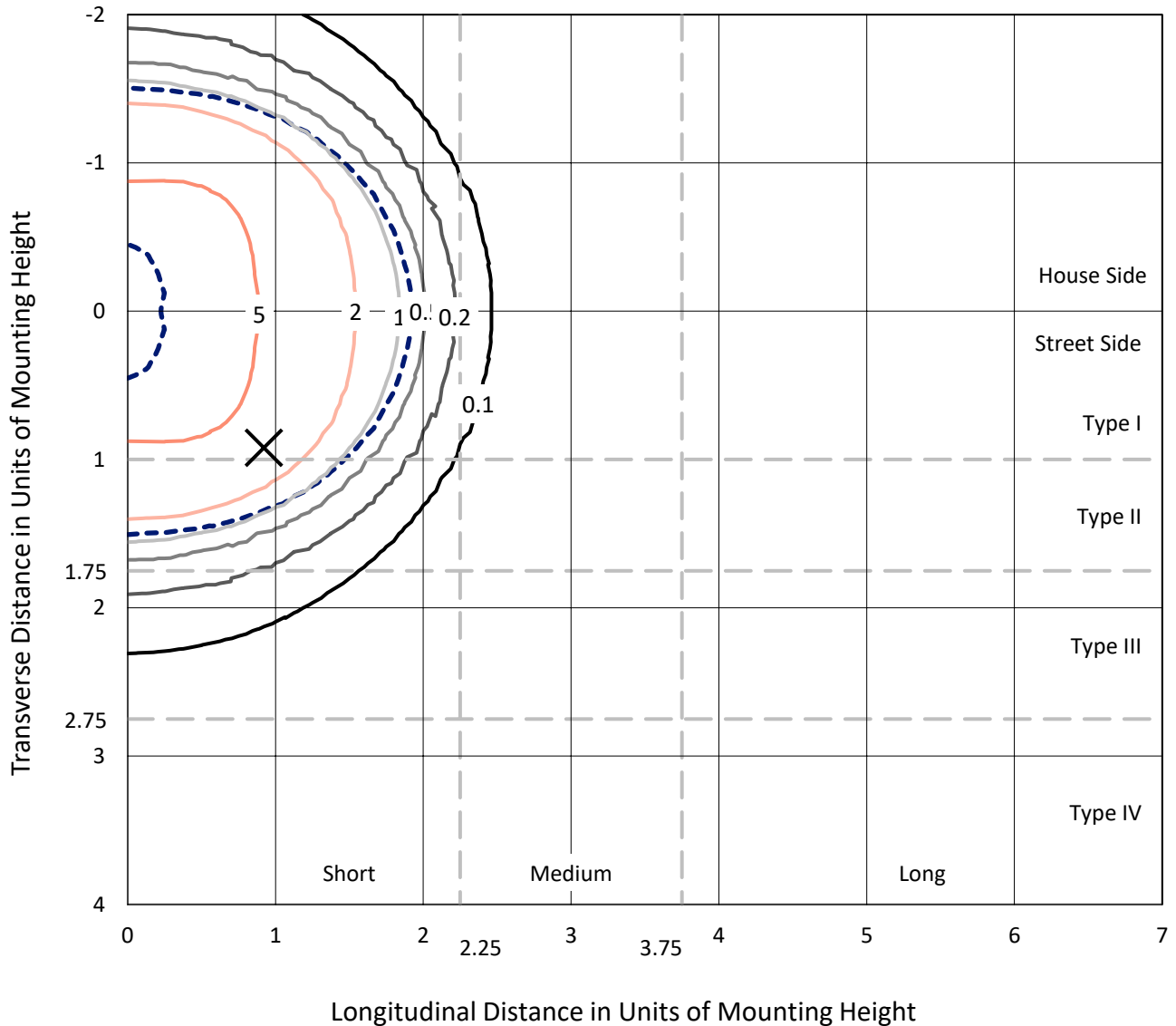
Input Watts (W): 215
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

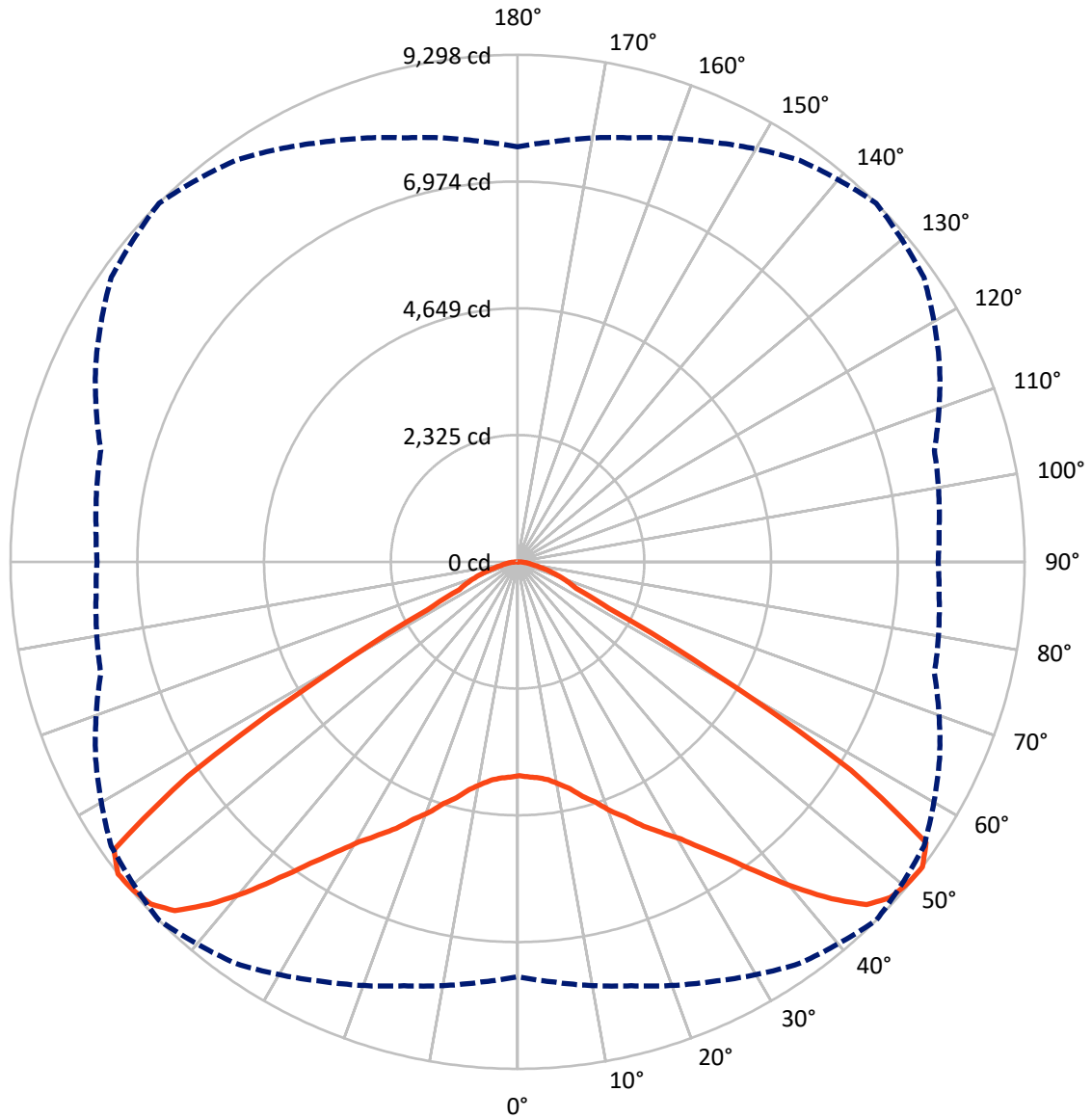
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.9 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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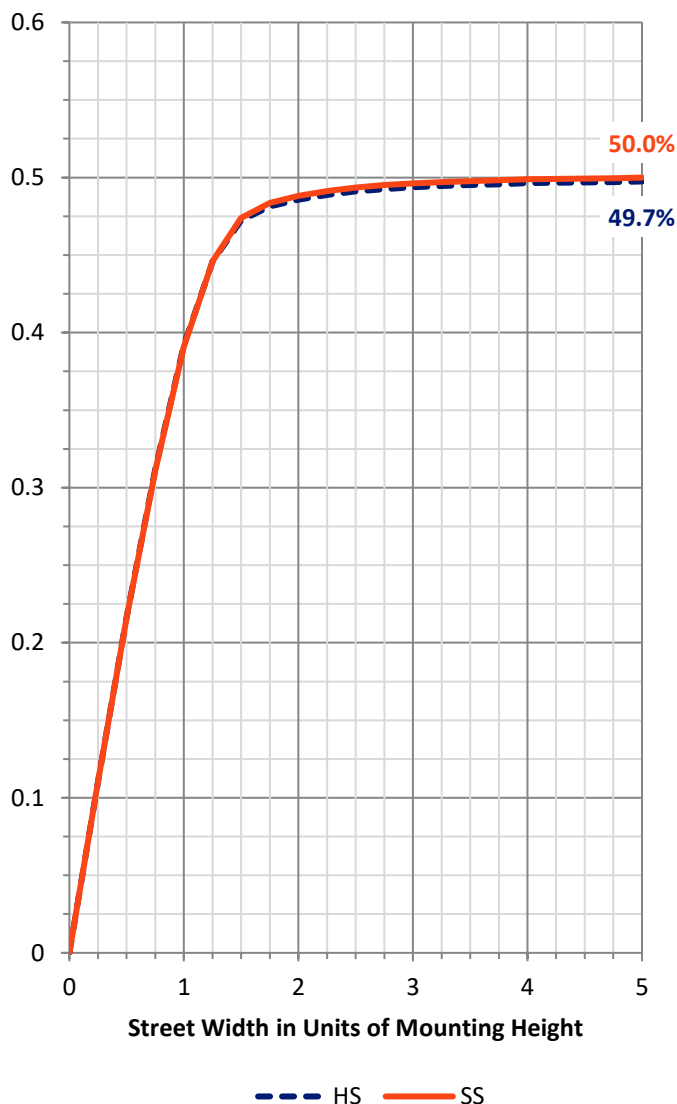
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	11736.2	0.0	11736.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	11736.2	0.0	11736.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	23472.3	0.0	23472.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	385.5	1.6
10°-20°	1266.7	5.4
20°-30°	2411.6	10.3
30°-40°	4140.9	17.6
40°-50°	6364.7	27.1
50°-60°	6463.3	27.5
60°-70°	1801.2	7.7
70°-80°	531.3	2.3
80°-90°	107.0	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°	23472.3	100.0
0°-180°	23472.3	100.0

Coefficient of Utilization



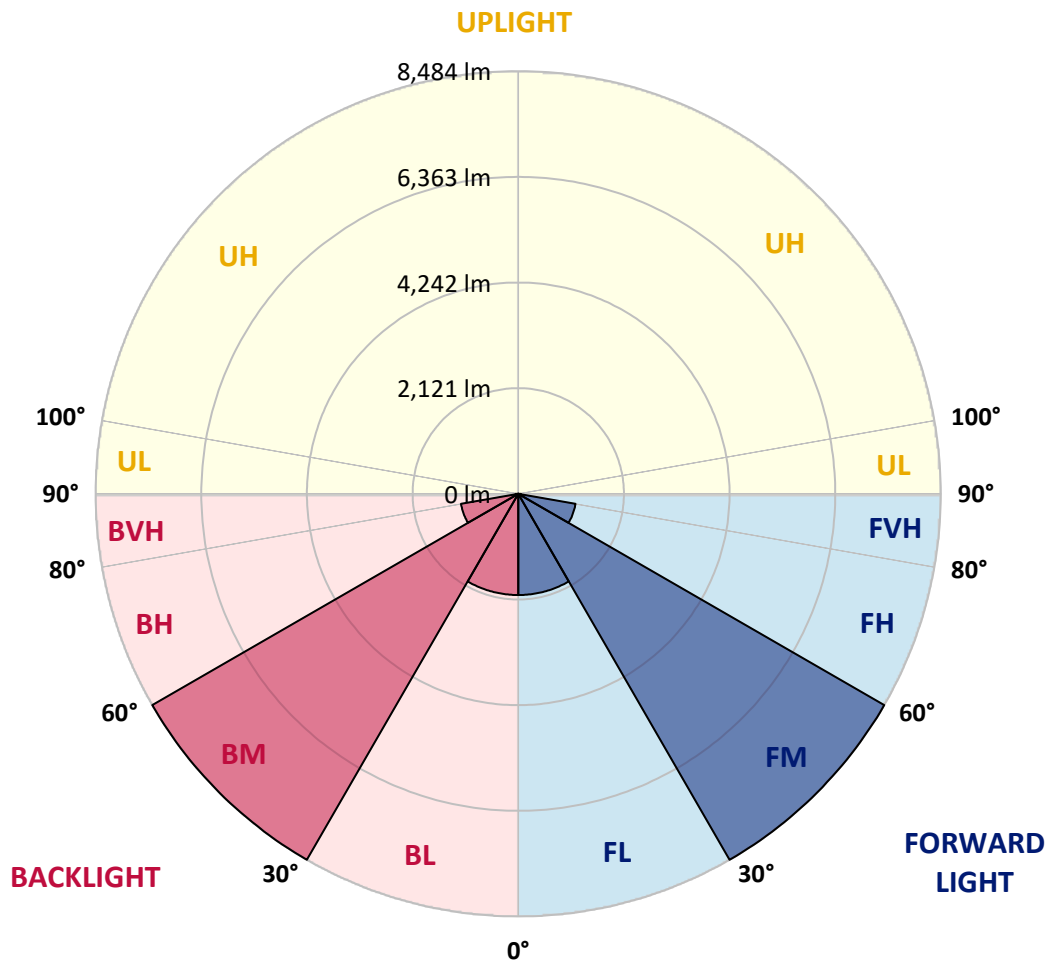
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2031.9	8.7			
FM (30°-60°)	8484.5	36.1			
FH (60°-80°)	1166.3	5.0			G1/1800
FVH (80°-90°)	53.5	0.2			G1/100
BL (0°-30°)	2031.9	8.7	B3/2500		
BM (30°-60°)	8484.5	36.1	B4/8500		
BH (60°-80°)	1166.3	5.0	B3/2500		G1/1800
BVH (80°-90°)	53.5	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°	3923.7	3923.7	3923.7	3923.7	3923.7	3923.7	3923.7	3923.7	3923.7	3923.7	3923.7
2.5°	3932.4	3891.6	3906.2	3914.9	3952.9	3949.9	3941.2	3952.9	3964.5	3967.4	3961.6
5°	3929.6	3900.4	3912.1	3920.8	3958.7	3979.0	3973.2	4022.8	4057.7	4049.0	4092.6
7.5°	3906.2	3923.7	3909.1	3952.9	3984.9	4034.4	4086.8	4133.4	4177.2	4226.6	4235.4
10°	3958.7	3958.7	3984.9	4019.8	4104.3	4142.2	4218.0	4284.9	4369.4	4427.6	4404.3
12.5°	4014.0	4022.8	4022.8	4113.1	4183.0	4267.4	4337.4	4427.6	4547.0	4617.0	4651.9
15°	4069.3	4075.1	4104.3	4226.6	4331.5	4465.5	4529.6	4611.1	4678.1	4809.3	4812.1
17.5°	4118.9	4150.9	4238.3	4375.2	4506.3	4634.5	4736.4	4820.9	4879.1	4931.5	4919.9
20°	4305.3	4328.6	4418.9	4555.8	4751.0	4876.2	4911.2	4925.7	4963.6	5068.5	5036.4
22.5°	4485.9	4494.6	4579.1	4788.8	4925.7	5091.8	5129.7	5120.9	5135.5	5161.7	5208.3
25°	4672.3	4686.9	4803.4	4981.1	5173.3	5371.5	5403.5	5336.5	5316.0	5345.2	5348.1
27.5°	4911.2	4914.1	5062.7	5217.1	5435.6	5621.9	5671.5	5619.1	5522.9	5546.2	5584.1
30°	5214.1	5193.8	5342.3	5563.7	5793.8	5898.7	5983.1	5956.9	5852.1	5831.7	5799.6
32.5°	5563.7	5569.5	5703.5	5945.3	6096.7	6271.5	6361.8	6318.1	6251.2	6216.2	6236.6
35°	6056.0	6082.2	6172.5	6373.4	6618.2	6705.5	6848.3	6755.1	6580.3	6624.0	6661.8
37.5°	6460.9	6536.6	6705.5	6944.4	7090.1	7250.3	7302.7	7177.4	7049.3	6996.9	7122.1
40°	7081.3	7058.0	7244.5	7483.3	7698.9	7859.1	7792.0	7666.8	7349.3	7352.2	7387.2
42.5°	7614.4	7626.0	7768.7	8054.3	8348.4	8447.5	8234.8	7928.9	7576.5	7538.6	7614.4
45°	8063.0	8109.6	8191.2	8572.7	8861.1	8968.9	8575.7	8214.5	7742.6	7585.2	7710.5
47.5°	8223.2	8298.9	8476.6	8826.1	9111.6	9199.0	8884.4	8365.9	7896.9	7640.6	7707.6
50°	8246.5	8220.3	8511.6	8832.0	9082.5	9271.9	8995.1	8476.6	7859.1	7725.1	7704.7
52.5°	7608.5	7736.7	8048.4	8488.2	8995.1	9298.0	9094.2	8537.7	7911.5	7760.0	7710.5
55°	6157.9	6006.4	6574.4	7314.3	8246.5	9088.4	9059.2	8569.8	7943.5	7818.3	7751.2
57.5°	3437.3	3481.0	3801.4	4605.3	5808.4	7206.5	8054.3	8231.9	7928.9	7856.1	7891.1
60°	1590.4	1605.0	1742.0	2117.7	2863.4	4086.8	5202.5	6335.6	6857.0	6961.9	6961.9
62.5°	1185.6	1179.8	1214.7	1281.7	1439.0	1878.8	2508.0	3408.2	4124.7	4625.8	4756.8
65°	1071.9	1069.1	1086.5	1109.8	1121.5	1182.6	1322.5	1599.2	1832.2	1966.3	1942.9
67.5°	938.0	935.0	940.9	955.5	975.8	1007.9	1042.8	1101.1	1182.6	1176.8	1162.3
70°	757.3	757.3	766.1	777.8	801.1	838.9	879.7	920.5	990.4	1005.0	1002.1
72.5°	559.3	550.5	568.0	591.3	614.6	661.2	704.9	742.8	792.3	806.9	801.1
75°	355.4	361.2	372.8	399.1	439.8	471.9	518.5	550.5	582.6	594.3	597.1
77.5°	198.1	203.9	224.3	256.3	297.1	332.1	372.8	399.1	419.5	422.4	425.3
80°	119.4	122.4	142.7	171.9	206.8	244.6	276.7	302.9	320.4	311.7	308.7
82.5°	72.8	75.8	93.2	119.4	148.5	177.7	212.6	236.0	253.4	241.8	230.1
85°	37.8	40.8	55.3	72.8	96.1	110.7	110.7	99.1	96.1	90.3	87.4
87.5°	11.7	11.7	14.5	17.5	14.5	17.5	20.4	23.3	23.3	26.2	23.3
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)