

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: P531838

Luminaire Tested: **GALN-SA7A-830-U-5NQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P531838
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-6)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA7A-830-U-5NQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 80 CRI, 3000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 22798 lumens
Efficiency: N/A
Efficacy: 106.0 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

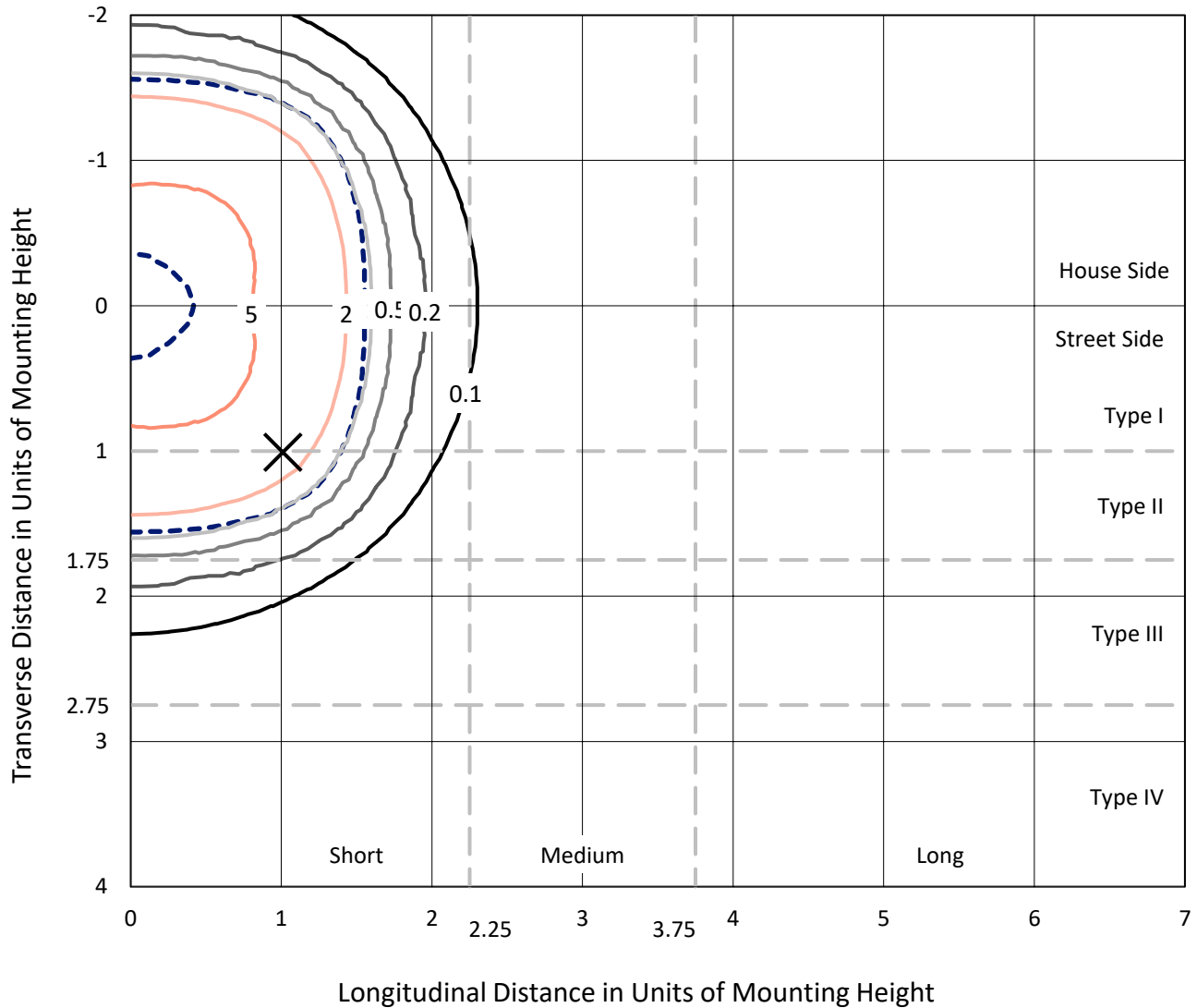
Input Watts (W): 215
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

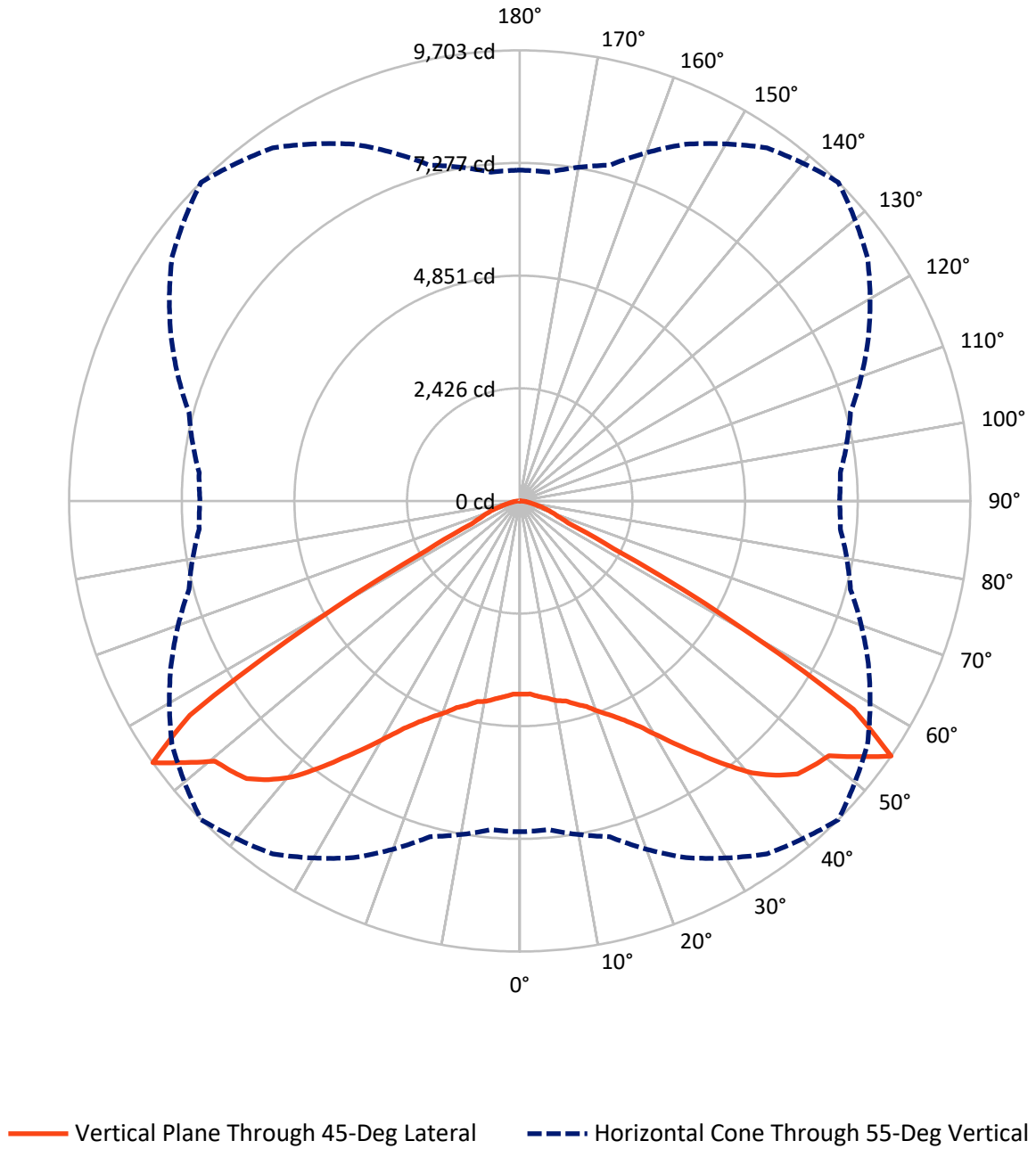
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.7 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	11399.0	0.0	11399.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	11399.0	0.0	11399.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	22798.0	0.0	22798.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	406.6	1.8
10°-20°	1288.5	5.7
20°-30°	2402.6	10.5
30°-40°	4022.7	17.6
40°-50°	6259.6	27.5
50°-60°	6499.4	28.5
60°-70°	1378.3	6.0
70°-80°	453.9	2.0
80°-90°	86.4	0.4
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°	22798.0	100.0
0°-180°	22798.0	100.0

Coefficient of Utilization

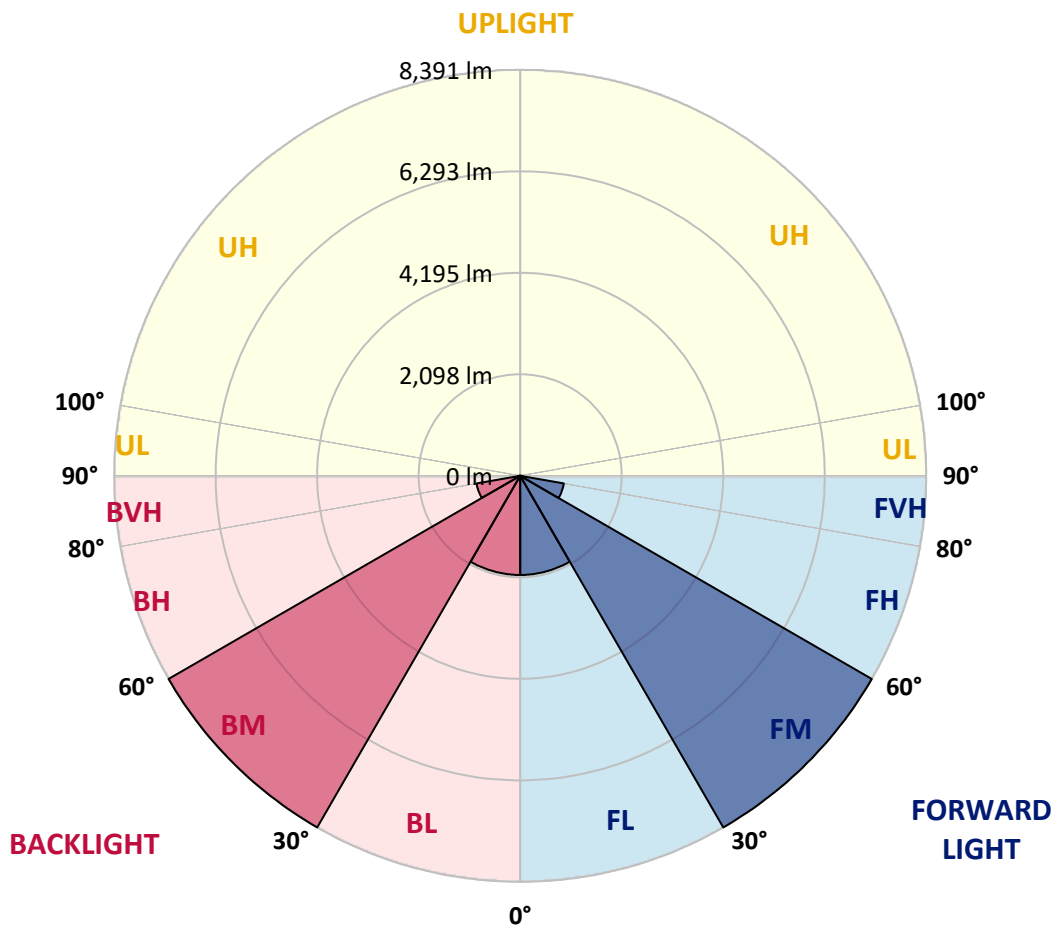


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2048.8	9.0			
FM (30°-60°)	8390.8	36.8			
FH (60°-80°)	916.1	4.0			G1/1800
FVH (80°-90°)	43.2	0.2			G1/100
BL (0°-30°)	2048.8	9.0	B3/2500		
BM (30°-60°)	8390.8	36.8	B4/8500		
BH (60°-80°)	916.1	4.0	B2/1000		G1/1800
BVH (80°-90°)	43.2	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°	4162.6	4162.6	4162.6	4162.6	4162.6	4162.6	4162.6	4162.6	4162.6	4162.6	4162.6
2.5°	4212.2	4192.9	4159.8	4184.6	4203.9	4162.6	4179.1	4187.4	4181.9	4159.8	4168.1
5°	4272.8	4261.7	4234.2	4253.5	4228.7	4228.7	4212.2	4190.1	4223.2	4217.7	4231.4
7.5°	4272.8	4259.0	4314.1	4278.3	4289.3	4289.3	4261.7	4239.7	4256.2	4231.4	4217.7
10°	4358.2	4377.5	4352.7	4360.9	4355.4	4374.7	4333.4	4319.6	4305.8	4297.6	4281.0
12.5°	4460.1	4446.3	4454.6	4449.1	4468.4	4418.8	4394.0	4363.7	4388.5	4352.7	4377.5
15°	4542.7	4534.5	4542.7	4564.8	4545.5	4542.7	4498.7	4468.4	4429.8	4438.1	4399.5
17.5°	4655.7	4647.4	4650.2	4669.5	4666.7	4652.9	4619.9	4562.0	4548.3	4526.2	4501.4
20°	4823.7	4810.0	4804.5	4812.7	4826.5	4837.5	4771.4	4749.4	4702.5	4666.7	4625.4
22.5°	4967.0	4961.5	4983.5	4947.7	4978.0	5011.1	4947.7	4936.7	4821.0	4801.7	4757.6
25°	5165.3	5157.1	5143.3	5195.6	5231.5	5228.7	5168.1	5107.5	5019.3	4997.3	4997.3
27.5°	5374.7	5327.9	5399.5	5413.3	5476.6	5495.9	5443.6	5355.4	5272.8	5225.9	5237.0
30°	5636.4	5592.3	5608.9	5708.0	5790.7	5862.3	5730.1	5600.6	5484.9	5402.3	5388.5
32.5°	5898.1	5854.1	5903.6	6000.1	6165.3	6272.8	6143.3	5917.4	5782.4	5661.2	5686.0
35°	6110.3	6143.3	6223.2	6369.2	6540.0	6713.6	6507.0	6333.4	6140.6	6005.6	6024.9
37.5°	6451.9	6553.8	6617.1	6785.2	7027.6	7206.7	6991.8	6765.9	6559.3	6383.0	6322.4
40°	6898.1	6967.0	7038.6	7237.0	7523.5	7702.6	7498.7	7203.9	7000.1	6818.2	6810.0
42.5°	7388.5	7454.6	7529.0	7771.4	7942.2	8077.2	7889.9	7732.9	7507.0	7363.7	7355.4
45°	7958.8	7911.9	7994.6	8154.3	8297.6	8385.8	8264.5	8187.4	8024.9	7892.6	7878.9
47.5°	8338.9	8297.6	8446.4	8589.6	8611.7	8515.2	8540.0	8611.7	8440.9	8223.2	8292.1
50°	8559.3	8559.3	8658.5	8790.7	8749.4	8625.4	8821.0	8826.5	8655.7	8462.9	8462.9
52.5°	8176.4	8261.8	8542.8	8975.3	9113.0	9148.8	9104.8	8917.4	8471.2	8077.2	8057.9
55°	7124.0	7104.8	7484.9	8476.7	9278.3	9702.6	9140.6	8278.3	7372.0	6928.4	6884.4
57.5°	4633.7	4655.7	5223.2	6234.2	7680.5	8471.2	7523.5	6311.4	5223.2	4611.6	4669.5
60°	2085.4	2159.8	2504.2	3259.0	4501.4	5146.1	4512.4	3424.3	2628.1	2281.0	2311.3
62.5°	1198.4	1212.1	1225.9	1454.6	1917.4	2267.2	1991.8	1537.2	1355.4	1294.8	1294.8
65°	1011.0	1002.8	1005.5	1024.8	1074.4	1146.0	1115.7	1074.4	1079.9	1074.4	1066.1
67.5°	859.5	870.5	862.3	876.0	878.8	889.8	909.1	925.6	928.4	933.9	928.4
70°	705.2	708.0	713.5	724.5	727.3	735.5	763.1	776.9	785.1	785.1	796.2
72.5°	540.0	537.2	542.7	553.7	567.5	570.3	595.0	614.3	625.4	611.6	614.3
75°	355.4	358.1	366.4	374.7	393.9	413.2	421.5	440.8	443.5	449.0	435.3
77.5°	212.1	217.6	225.9	242.4	259.0	275.5	294.8	308.5	314.1	308.5	292.0
80°	137.7	137.7	148.8	162.5	181.8	195.6	206.6	217.6	225.9	217.6	212.1
82.5°	85.4	85.4	99.2	115.7	129.5	137.7	154.3	168.0	176.3	170.8	162.5
85°	44.1	46.8	57.9	71.6	82.6	88.2	85.4	77.1	68.9	66.1	60.6
87.5°	13.8	13.8	16.5	16.5	13.8	13.8	16.5	13.8	16.5	16.5	16.5
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)