

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: P532305

Luminaire Tested: **GALN-SA7C-830-U-5NQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P532305
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-830-U-5NQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 80 CRI, 3000K, 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: 26732 lumens
Efficiency: N/A
Efficacy: 70.9 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



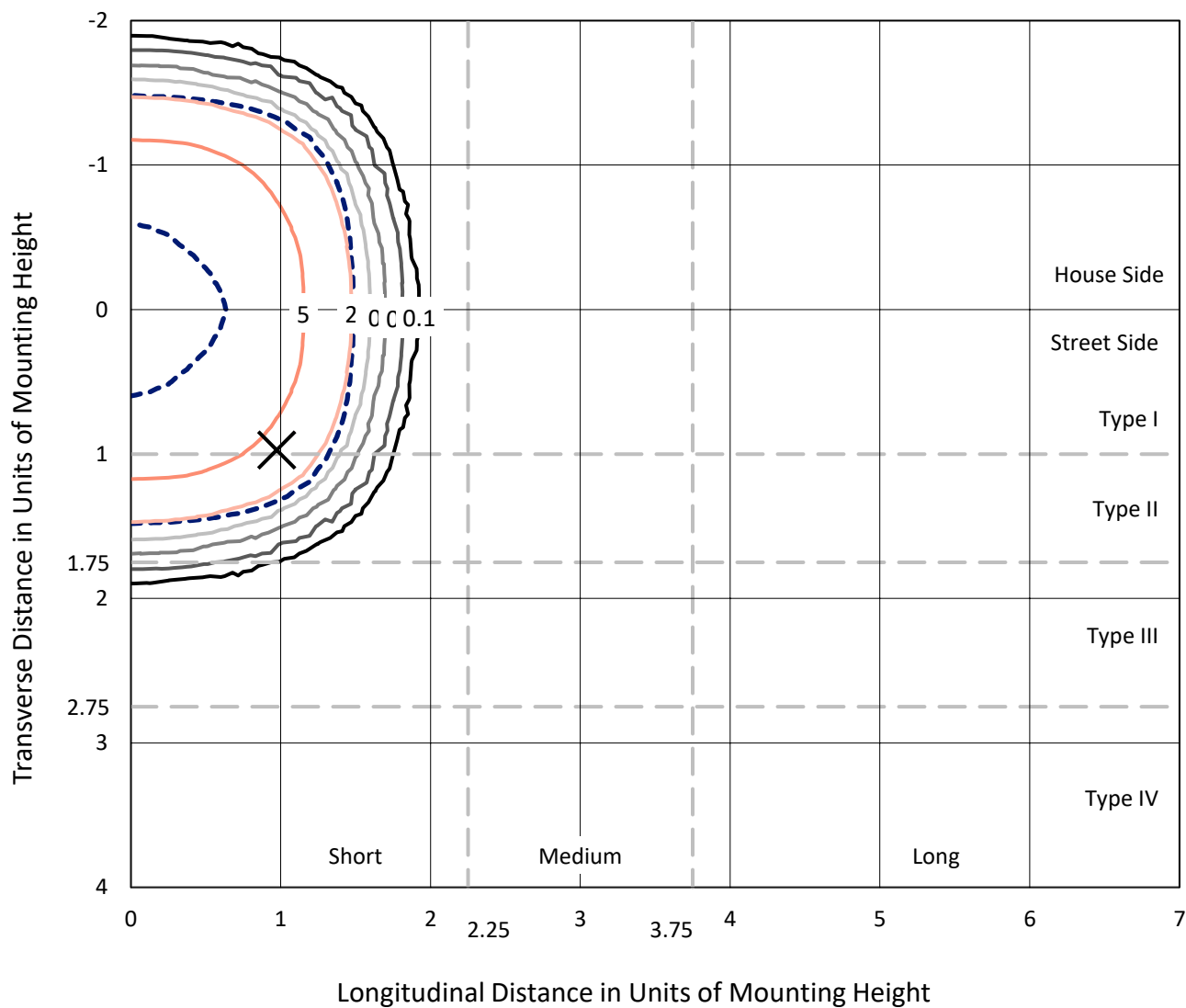
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

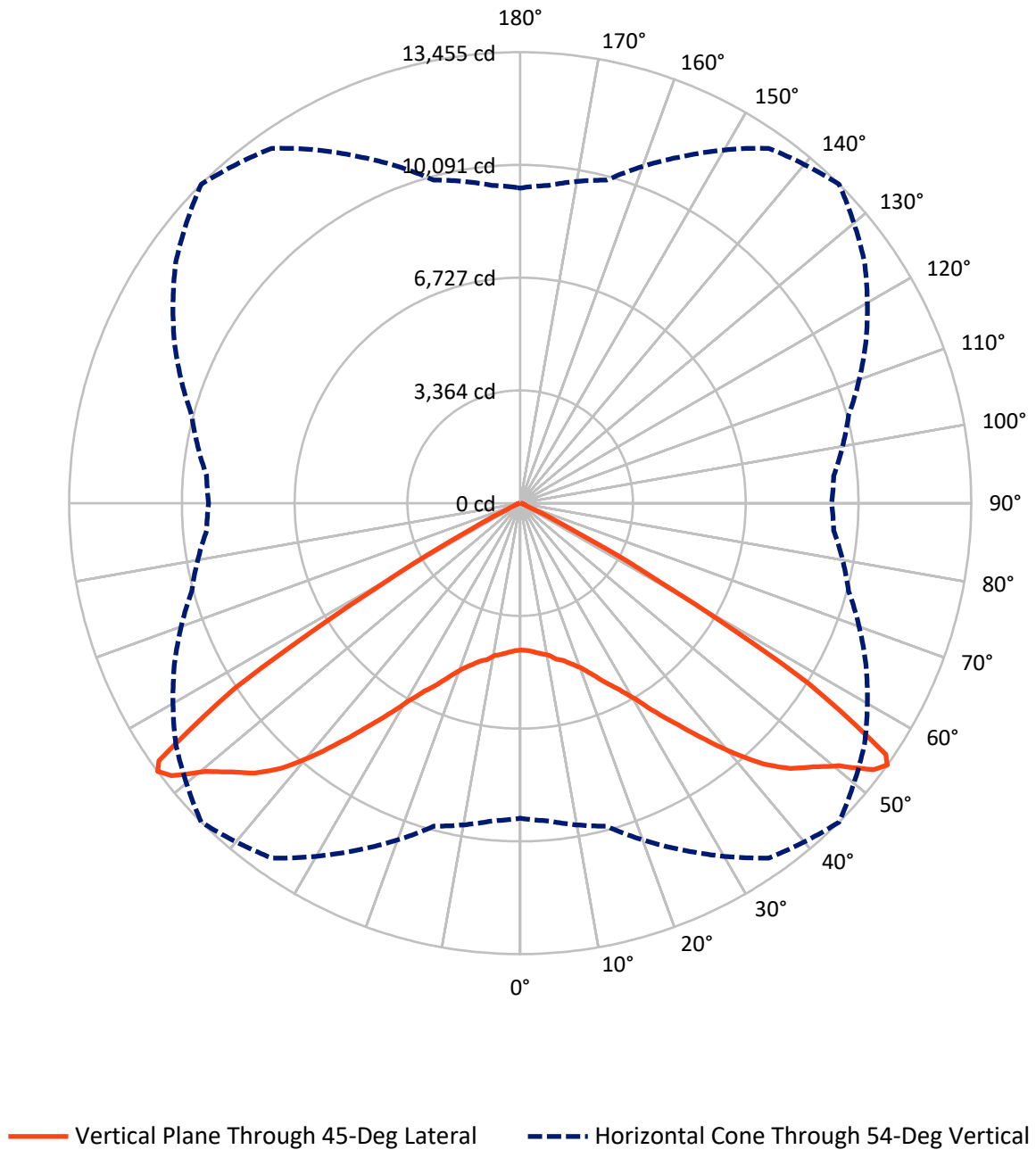
--- 1/2 Max cd



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

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Luminous Intensity Polar Plot



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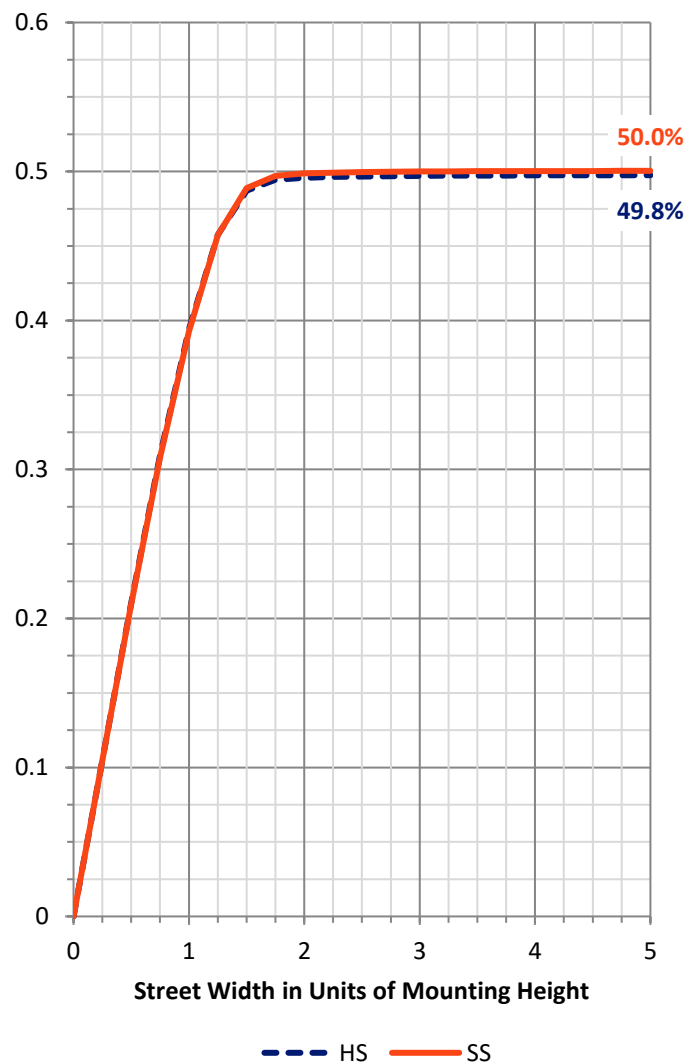
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	13366.0	0.0	13366.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	13366.0	0.0	13366.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	26732.0	0.0	26732.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	429.0	1.6
10°-20°	1389.3	5.2
20°-30°	2723.0	10.2
30°-40°	4896.4	18.3
40°-50°	8381.8	31.4
50°-60°	8110.2	30.3
60°-70°	694.3	2.6
70°-80°	82.3	0.3
80°-90°	25.8	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°	26732.0	100.0
0°-180°	26732.0	100.0

Coefficient of Utilization



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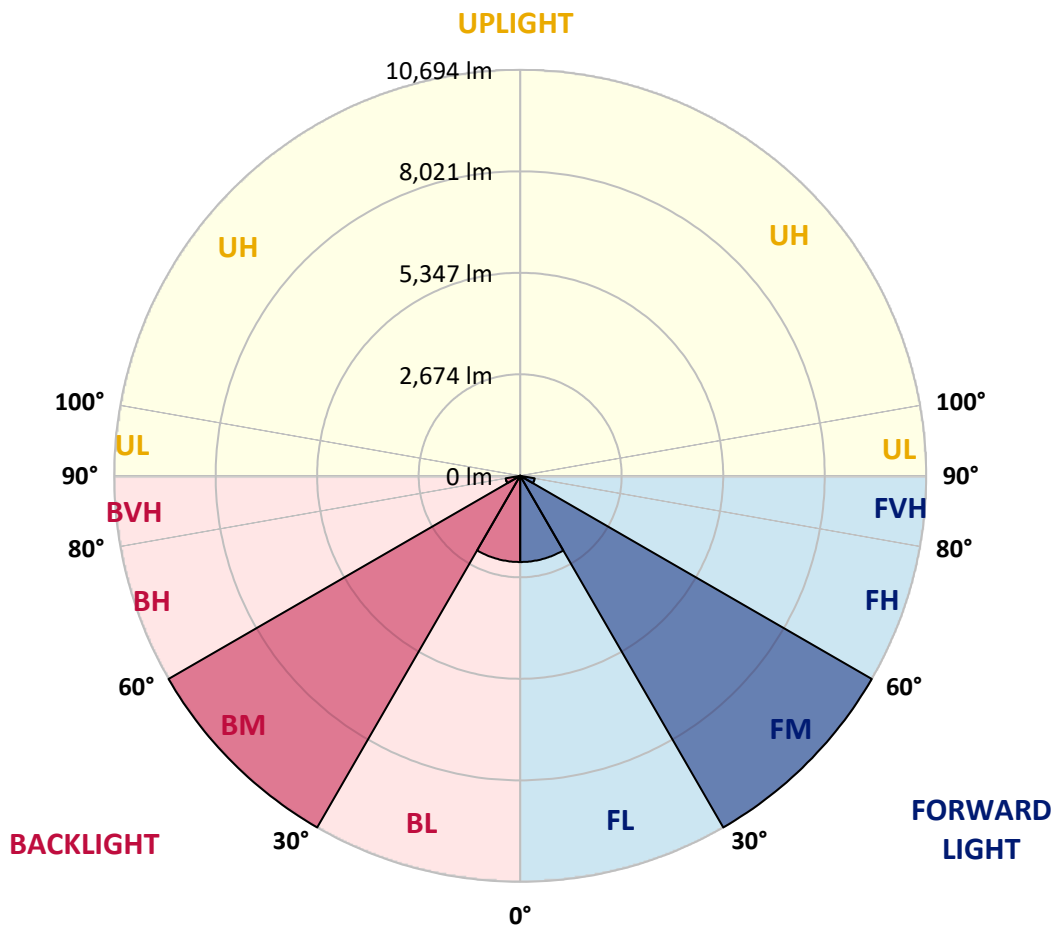
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2270.6	8.5			
FM	(30°-60°)	10694.2	40.0			
FH	(60°-80°)	388.3	1.5			G0/660
FVH	(80°-90°)	12.9	0.0			G1/100
BL	(0°-30°)	2270.6	8.5	B3/2500		
BM	(30°-60°)	10694.2	40.0	B5		
BH	(60°-80°)	388.3	1.5	B1/500		G0/660
BVH	(80°-90°)	12.9	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°	4383.2	4383.2	4383.2	4383.2	4383.2	4383.2	4383.2	4383.2	4383.2	4383.2	4383.2
2.5°	4404.4	4429.8	4412.9	4425.6	4425.6	4404.4	4417.1	4366.3	4400.2	4374.7	4379.0
5°	4472.1	4467.9	4467.9	4472.1	4455.2	4463.7	4446.7	4429.8	4417.1	4400.2	4451.0
7.5°	4556.8	4556.8	4527.2	4535.7	4527.2	4539.9	4506.0	4472.1	4459.4	4446.7	4438.3
10°	4637.3	4628.8	4616.1	4654.3	4624.6	4607.7	4590.7	4569.6	4523.0	4506.0	4489.1
12.5°	4755.9	4751.7	4734.7	4772.8	4755.9	4772.8	4709.3	4654.3	4645.8	4590.7	4620.4
15°	4895.6	4933.8	4904.1	4904.1	4895.6	4874.5	4849.1	4823.7	4747.4	4726.2	4730.5
17.5°	5077.8	5065.0	5069.3	5069.3	5111.6	5056.6	5005.8	4942.2	4904.1	4891.4	4849.1
20°	5251.4	5268.3	5264.1	5293.7	5319.1	5259.9	5204.8	5196.3	5090.5	5107.4	5048.1
22.5°	5556.3	5543.6	5564.8	5586.0	5569.0	5560.5	5509.7	5446.2	5353.0	5310.7	5302.2
25°	5878.2	5857.0	5818.9	5869.7	5895.1	5933.2	5835.8	5801.9	5657.9	5594.4	5598.7
27.5°	6153.4	6183.1	6225.4	6246.6	6310.1	6297.4	6229.7	6119.6	6009.5	5937.5	5890.9
30°	6530.4	6547.3	6619.3	6648.9	6759.0	6788.7	6682.8	6555.8	6361.0	6267.8	6212.7
32.5°	6877.6	6996.2	6992.0	7140.2	7318.1	7440.9	7250.3	7055.5	6860.7	6750.6	6653.2
35°	7440.9	7419.7	7542.5	7699.2	7987.2	8126.9	7919.4	7695.0	7398.5	7220.7	7144.4
37.5°	7966.0	7974.5	8139.7	8389.5	8719.8	8935.8	8753.7	8385.3	8080.4	7851.7	7745.8
40°	8728.3	8745.3	8914.7	9198.4	9571.1	9804.0	9592.3	9219.6	8813.0	8635.1	8635.1
42.5°	9621.9	9693.9	9804.0	10049.6	10384.2	10642.5	10452.0	10159.7	9748.9	9520.3	9554.1
45°	10540.9	10574.8	10646.8	11011.0	11167.7	11294.7	11116.9	10981.3	10706.1	10426.5	10380.0
47.5°	11400.6	11413.3	11625.0	11739.4	11862.2	11756.3	11870.7	11692.8	11383.7	11112.6	11057.6
50°	11781.7	11760.6	12061.3	12408.5	12501.7	12315.4	12217.9	12099.4	11629.3	11303.2	11159.2
52.5°	10672.2	10795.0	11354.0	12319.6	13048.0	13204.7	12637.2	12090.9	11214.3	10579.0	10481.6
54°	9401.7	9516.0	9977.6	11409.1	12925.2	13454.6	12539.8	11379.4	10142.8	9389.0	9291.6
55°	8143.9	8016.8	8855.4	10316.4	12349.2	13234.3	12154.4	10460.4	9045.9	8355.6	8220.1
57.5°	4408.6	4429.8	5137.0	6517.7	8677.5	10147.0	8961.2	7076.7	5344.6	4569.6	4501.8
60°	1397.5	1431.4	1740.6	2634.2	4146.1	4950.7	4243.5	2841.7	1965.0	1575.4	1511.9
62.5°	436.2	453.1	495.5	736.9	1135.0	1622.0	1270.5	762.3	567.5	520.9	529.4
65°	266.8	266.8	271.0	288.0	338.8	393.9	381.1	334.6	321.9	313.4	309.2
67.5°	173.6	169.4	177.9	190.6	199.0	203.3	216.0	228.7	224.5	216.0	216.0
70°	105.9	101.6	110.1	127.0	131.3	139.8	152.5	169.4	165.2	156.7	160.9
72.5°	59.3	59.3	63.5	76.2	88.9	97.4	110.1	122.8	127.0	122.8	122.8
75°	21.2	25.4	33.9	46.6	55.1	67.8	80.5	93.2	105.9	97.4	93.2
77.5°	8.5	8.5	16.9	29.6	42.3	55.1	76.2	88.9	97.4	88.9	80.5
80°	4.2	4.2	12.7	25.4	38.1	50.8	63.5	76.2	80.5	72.0	63.5
82.5°	4.2	4.2	12.7	25.4	38.1	46.6	67.8	76.2	84.7	76.2	63.5
85°	0.0	4.2	12.7	25.4	33.9	38.1	38.1	25.4	21.2	12.7	12.7
87.5°	0.0	0.0	4.2	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)