

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: P532303

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

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P532303
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-3)
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-5MQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 80 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V
MEDIUM OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 23353 lumens
Efficiency: N/A
Efficacy: 61.9 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

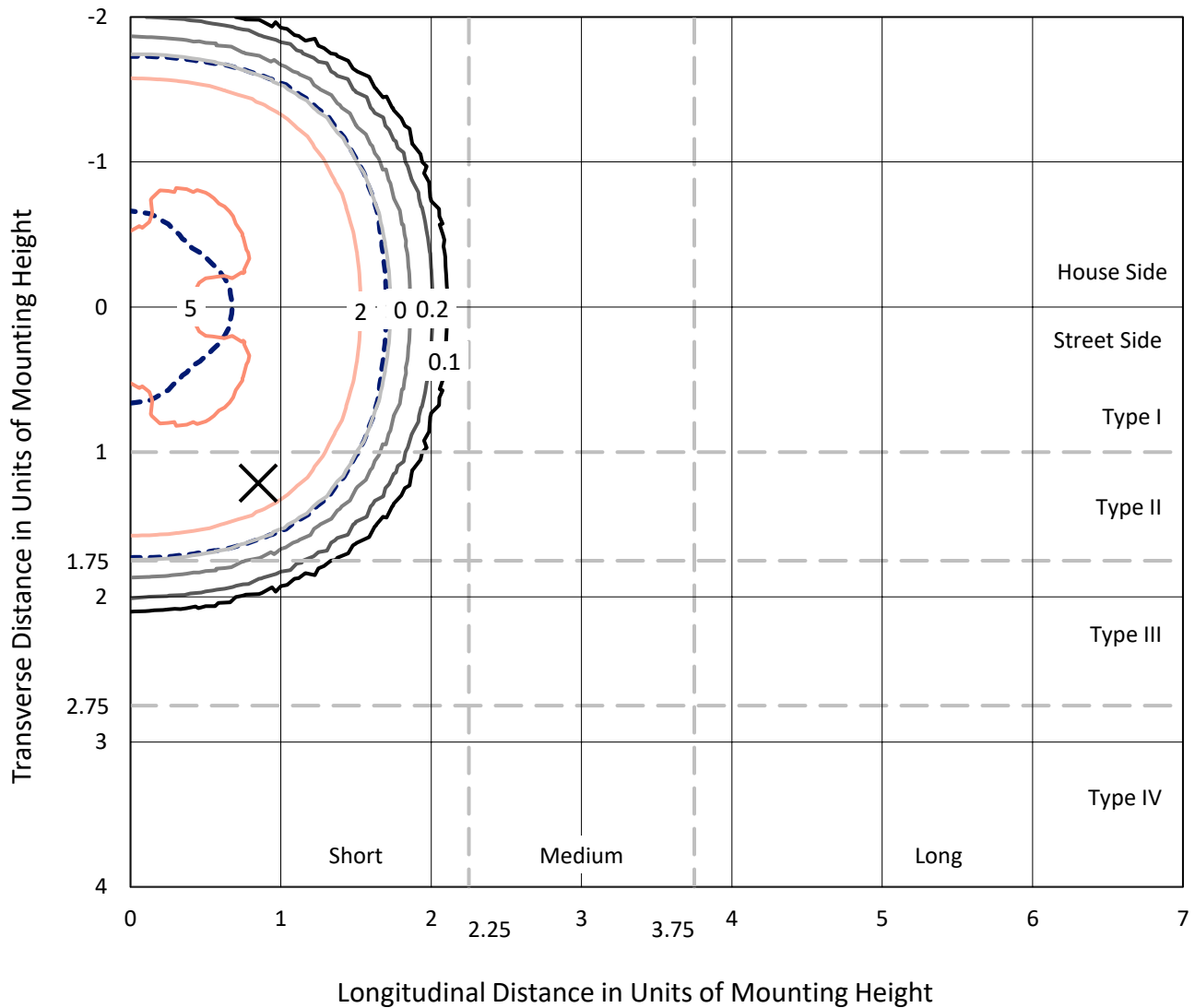


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Iso-Footcandle Lines of Horizontal Illumination

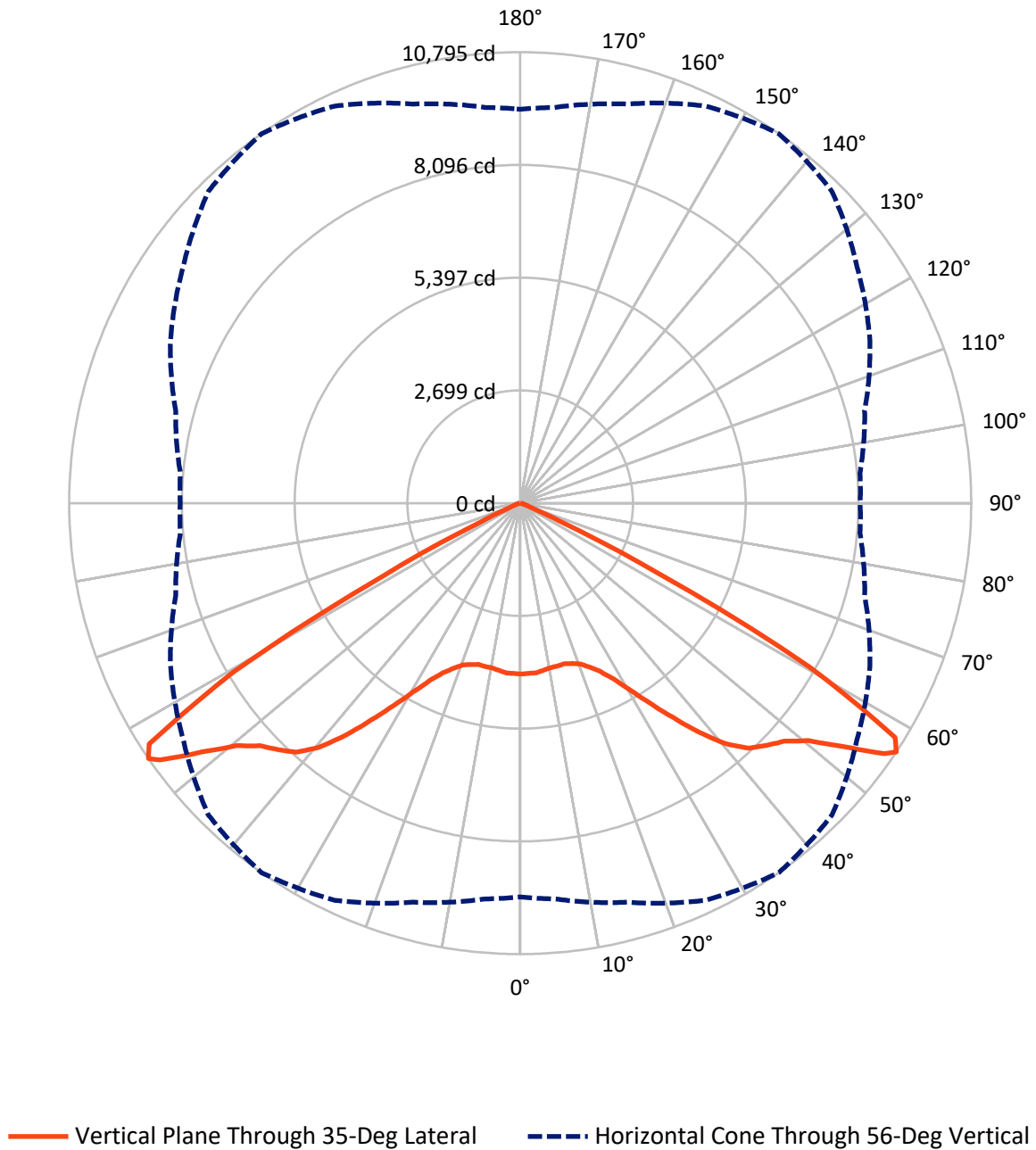
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.5 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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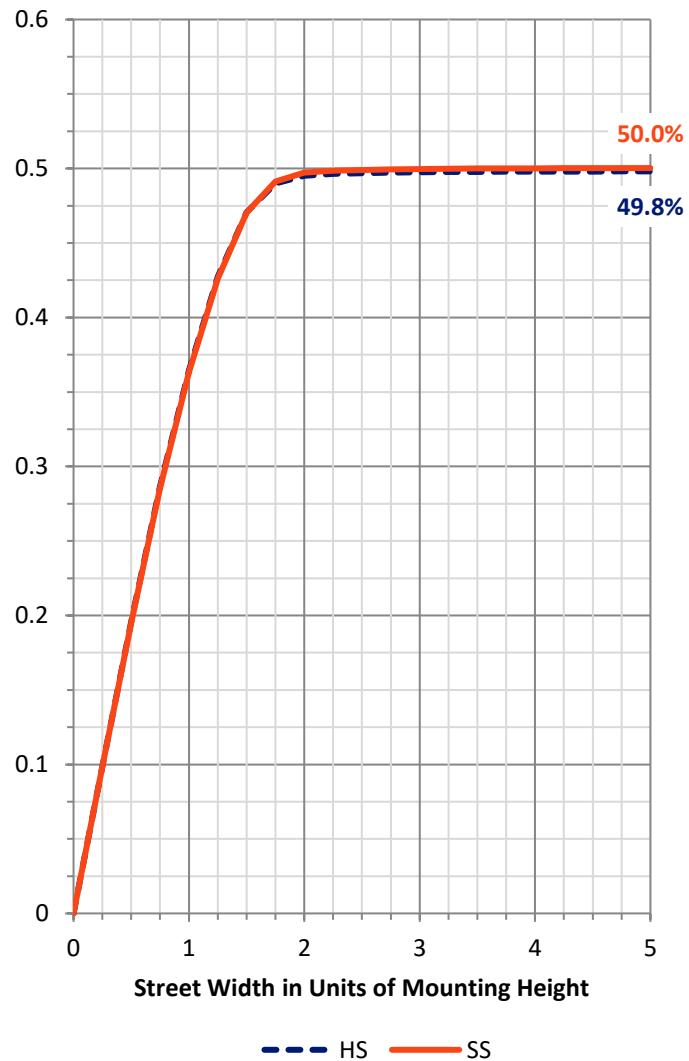
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	11676.5	0.0	11676.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	11676.5	0.0	11676.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	23353.0	0.0	23353.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	384.6	1.6
10°-20°	1122.8	4.8
20°-30°	2033.2	8.7
30°-40°	3770.3	16.1
40°-50°	6188.7	26.5
50°-60°	7972.9	34.1
60°-70°	1757.1	7.5
70°-80°	101.9	0.4
80°-90°	21.5	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°	23353.0	100.0
0°-180°	23353.0	100.0

Coefficient of Utilization



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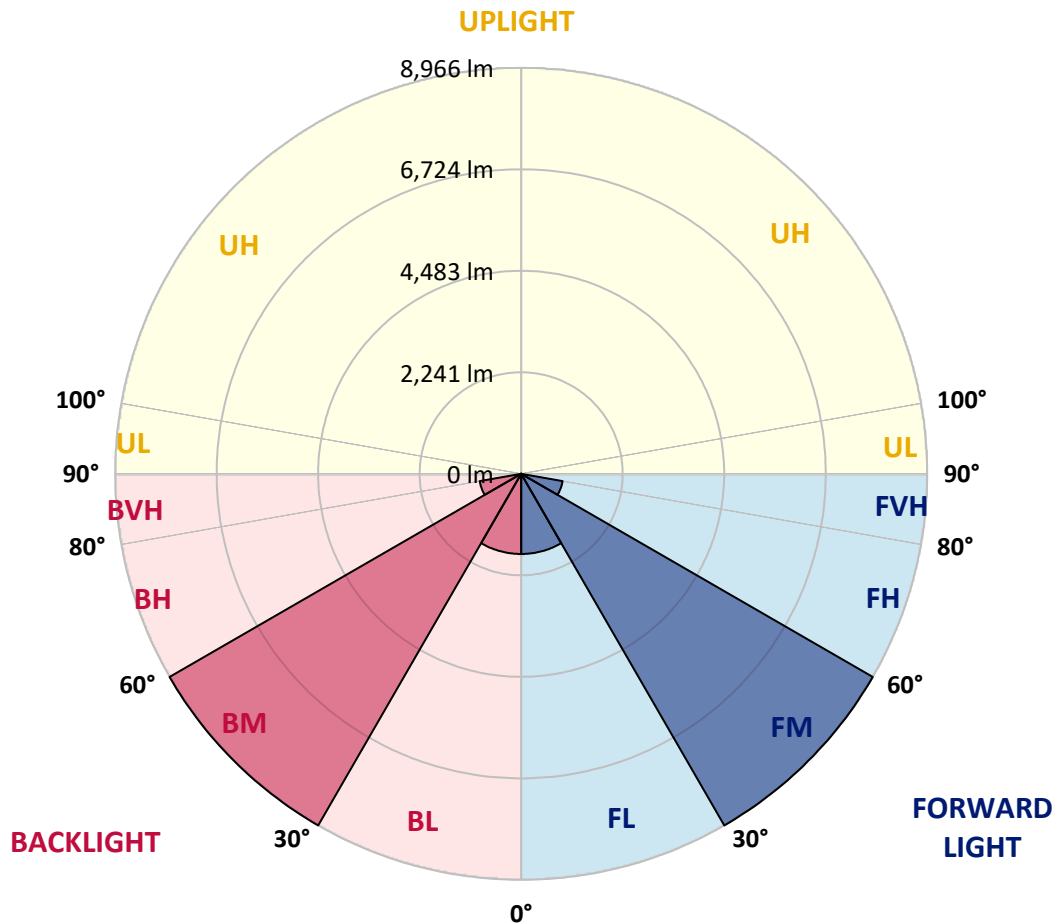
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1770.3	7.6			
FM	(30°-60°)	8965.9	38.4			
FH	(60°-80°)	929.5	4.0			G1/1800
FVH	(80°-90°)	10.7	0.0			G1/100
BL	(0°-30°)	1770.3	7.6	B3/2500		
BM	(30°-60°)	8965.9	38.4	B5		
BH	(60°-80°)	929.5	4.0	B2/1000		G1/1800
BVH	(80°-90°)	10.7	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°	4091.9	4091.9	4091.9	4091.9	4091.9	4091.9	4091.9	4091.9	4091.9	4091.9	4091.9
2.5°	4100.4	4100.4	4104.6	4108.9	4079.3	4066.6	4070.8	4062.3	4058.1	4070.8	4070.8
5°	4087.7	4087.7	4075.0	4079.3	4079.3	4041.2	4041.2	4049.6	4049.6	4024.2	4015.8
7.5°	4053.9	4045.4	4028.5	4049.6	4036.9	4036.9	4007.3	3986.2	3977.7	3994.6	3977.7
10°	3981.9	3986.2	4003.1	4011.5	4003.1	4028.5	3977.7	3948.1	3918.5	3905.8	3905.8
12.5°	3948.1	3973.5	3948.1	3969.2	3998.9	3977.7	3948.1	3926.9	3884.6	3867.7	3867.7
15°	3943.8	3960.8	3969.2	3998.9	3986.2	3994.6	3935.4	3910.0	3846.5	3816.9	3804.2
17.5°	3939.6	3960.8	3973.5	4028.5	4036.9	4041.2	3994.6	3918.5	3863.4	3833.8	3804.2
20°	3986.2	3994.6	4020.0	4075.0	4108.9	4168.1	4083.5	4003.1	3884.6	3850.7	3838.1
22.5°	4045.4	4087.7	4113.1	4172.3	4261.2	4312.0	4202.0	4100.4	3977.7	3935.4	3884.6
25°	4235.8	4227.4	4269.7	4392.4	4464.3	4502.4	4413.5	4265.4	4104.6	4053.9	4062.3
27.5°	4472.8	4481.3	4519.3	4654.7	4760.5	4819.8	4714.0	4519.3	4362.8	4278.1	4269.7
30°	4781.7	4773.2	4815.5	4997.5	5187.9	5276.8	5090.6	4862.1	4709.8	4599.7	4625.1
32.5°	5107.5	5111.8	5230.2	5395.3	5704.2	5877.7	5577.2	5298.0	5069.4	4993.3	4955.2
35°	5589.9	5611.1	5704.2	5958.1	6300.8	6525.1	6195.0	5860.8	5598.4	5458.8	5475.7
37.5°	6186.6	6165.4	6322.0	6597.0	6956.7	7121.8	6842.5	6461.6	6195.0	6102.0	6161.2
40°	6821.3	6842.5	6922.9	7172.5	7574.5	7684.6	7269.9	7062.5	6829.8	6783.2	6855.2
42.5°	7456.1	7443.4	7502.6	7726.9	8018.9	7942.7	7697.3	7574.5	7409.5	7316.4	7413.7
45°	7921.5	7900.4	8010.4	8162.7	8268.5	8124.7	8014.6	7972.3	7887.7	7786.1	7875.0
47.5°	8374.3	8357.4	8463.2	8505.5	8514.0	8323.5	8344.7	8420.9	8209.3	7997.7	8099.3
50°	8759.4	8729.8	8861.0	8954.0	8932.9	8628.2	8704.4	8628.2	8298.1	8048.5	8010.4
52.5°	9402.6	9415.3	9554.9	9724.2	9673.4	9419.5	9309.5	8962.5	8539.3	8315.1	8183.9
55°	9808.8	9745.4	9986.6	10524.0	10583.2	10320.8	9834.2	9322.2	8687.5	8412.4	8378.5
56°	9428.0	9508.4	9889.2	10490.1	10794.8	10553.6	9846.9	9233.3	8535.1	8162.7	8137.3
57.5°	8458.9	8416.6	8932.9	9753.8	10583.2	10481.6	9499.9	8598.6	7786.1	7367.2	7316.4
60°	5264.1	5386.8	5839.6	6855.2	7963.9	8014.6	7041.4	6267.0	5319.1	4946.7	5035.6
62.5°	2060.8	1955.0	2238.5	2996.0	3757.7	3926.9	3558.8	2957.9	2428.9	2060.8	2035.4
65°	478.2	465.5	524.7	723.6	1011.4	1172.2	1112.9	799.8	588.2	558.6	516.3
67.5°	270.8	270.8	258.1	258.1	283.5	300.4	287.7	283.5	296.2	308.9	304.7
70°	190.4	186.2	177.7	182.0	173.5	173.5	186.2	207.3	224.3	224.3	228.5
72.5°	114.3	114.3	114.3	126.9	126.9	126.9	139.6	156.6	160.8	156.6	152.3
75°	50.8	50.8	59.2	71.9	80.4	84.6	97.3	105.8	114.3	105.8	97.3
77.5°	12.7	12.7	21.2	29.6	38.1	46.5	63.5	76.2	80.4	76.2	63.5
80°	4.2	4.2	8.5	21.2	38.1	46.5	63.5	67.7	71.9	63.5	50.8
82.5°	4.2	4.2	8.5	21.2	29.6	38.1	50.8	59.2	63.5	55.0	50.8
85°	0.0	4.2	8.5	16.9	25.4	33.9	33.9	25.4	21.2	12.7	16.9
87.5°	0.0	0.0	4.2	4.2	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)