

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: P531844

Luminaire Tested: **GALN-SA7A-830-U-RW-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P531844
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-830-U-RW-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 80 CRI, 3000K, 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: 22179 lumens
Efficiency: N/A
Efficacy: 103.2 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



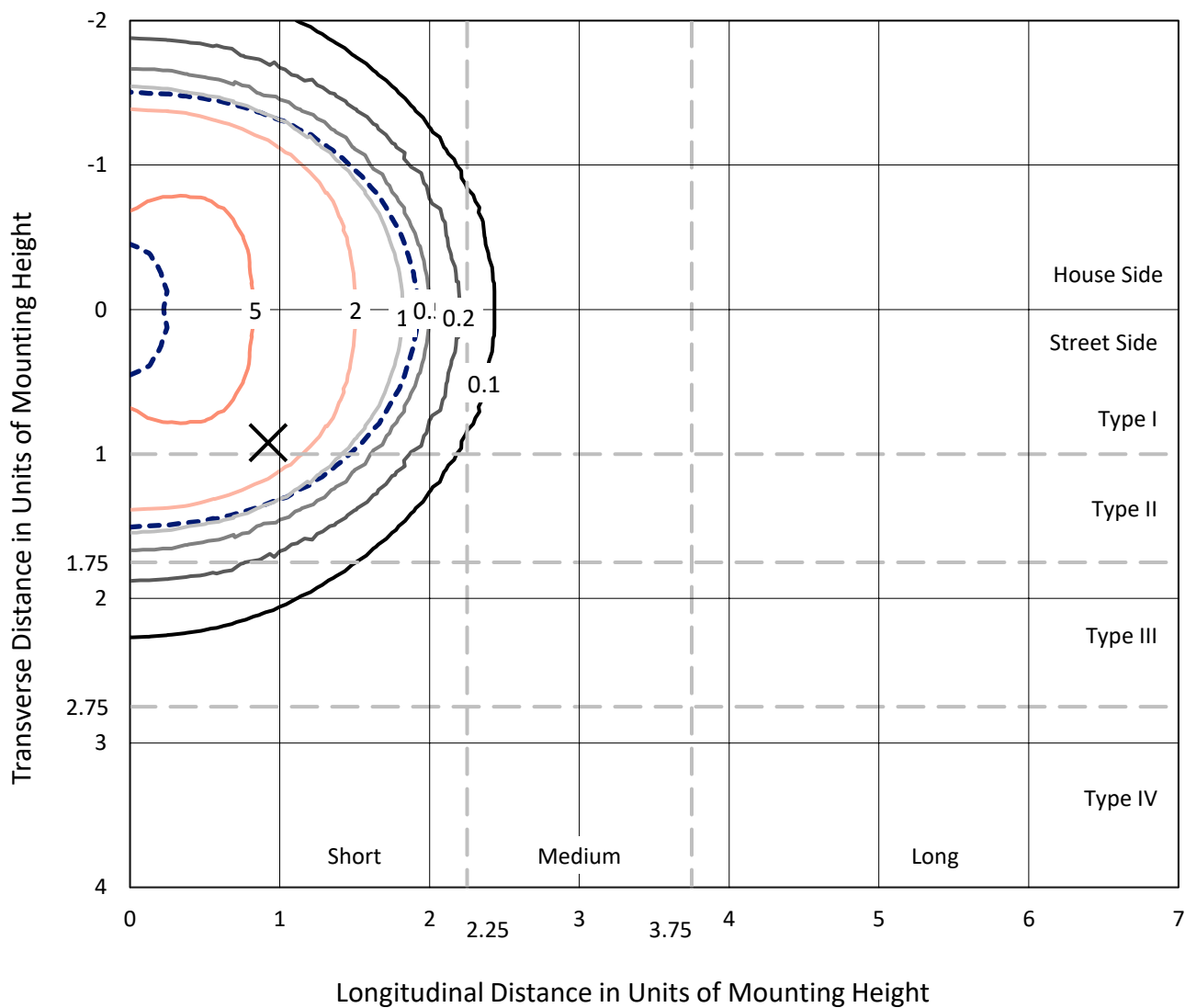
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

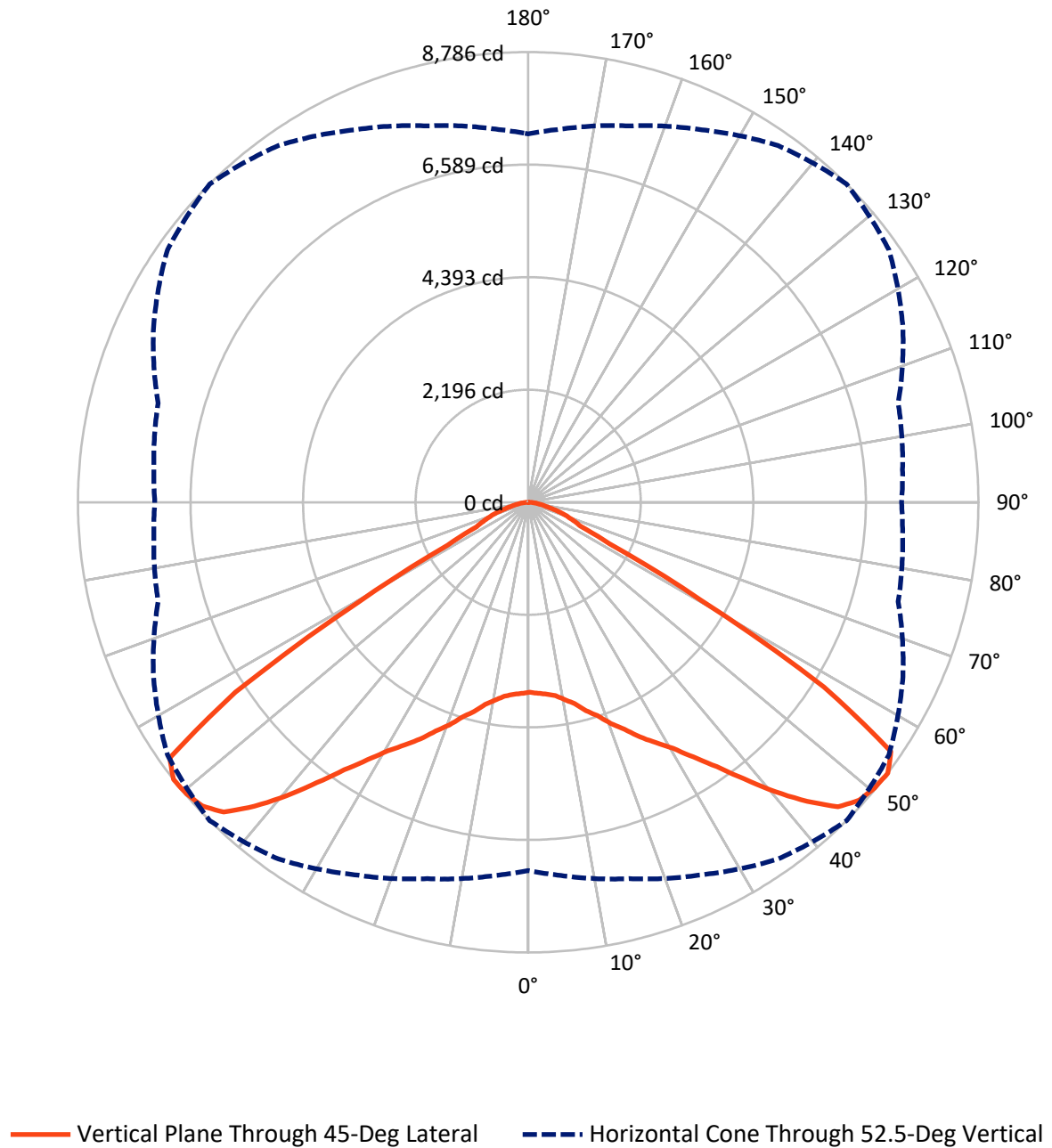


Based on 25 foot mounting height. Maximum calculated value = 6.6 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	11089.5	0.0	11089.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	11089.5	0.0	11089.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	22179.0	0.0	22179.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	364.3	1.6
10°-20°	1196.9	5.4
20°-30°	2278.7	10.3
30°-40°	3912.8	17.6
40°-50°	6014.0	27.1
50°-60°	6107.1	27.5
60°-70°	1702.0	7.7
70°-80°	502.1	2.3
80°-90°	101.1	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°	22179.0	100.0
0°-180°	22179.0	100.0

Coefficient of Utilization



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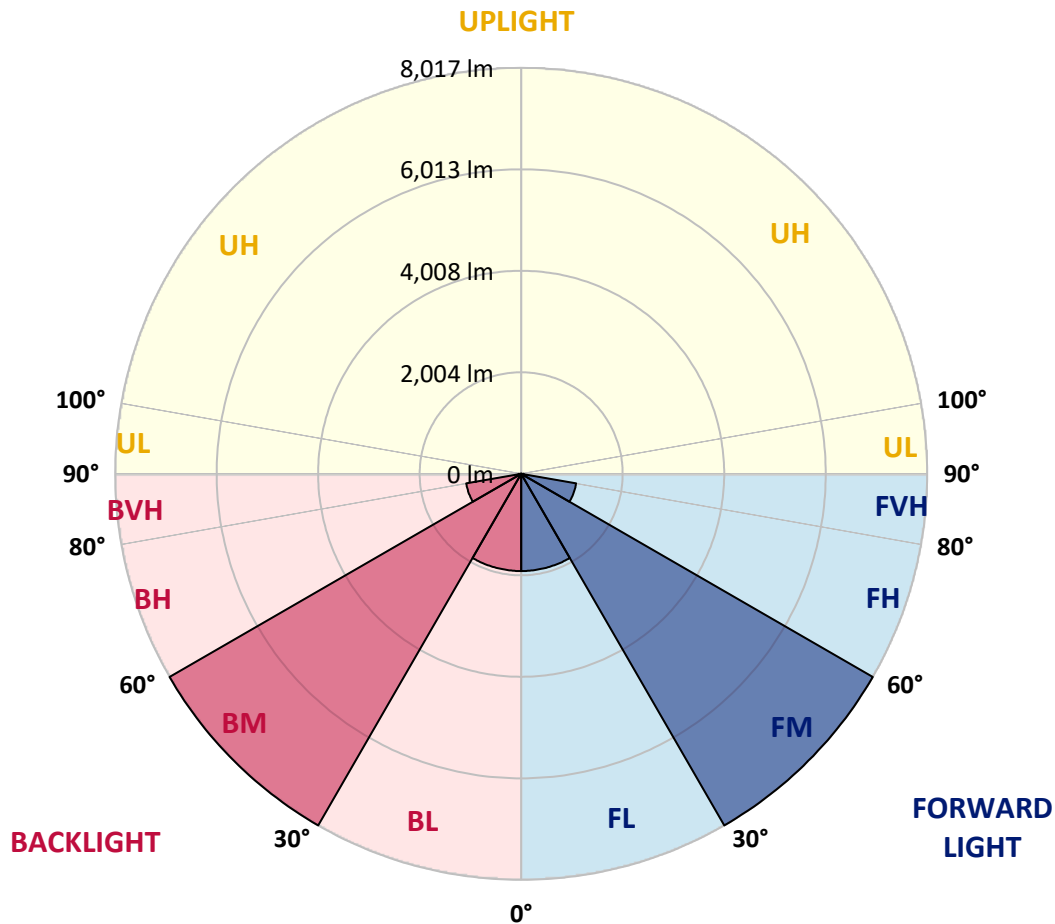
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1920.0	8.7			
FM	(30°-60°)	8017.0	36.1			
FH	(60°-80°)	1102.0	5.0			G1/1800
FVH	(80°-90°)	50.6	0.2			G1/100
BL	(0°-30°)	1920.0	8.7	B3/2500		
BM	(30°-60°)	8017.0	36.1	B4/8500		
BH	(60°-80°)	1102.0	5.0	B3/2500		G1/1800
BVH	(80°-90°)	50.6	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°	3707.5	3707.5	3707.5	3707.5	3707.5	3707.5	3707.5	3707.5	3707.5	3707.5	3707.5
2.5°	3715.8	3677.2	3691.0	3699.3	3735.0	3732.3	3724.0	3735.0	3746.0	3748.8	3743.3
5°	3713.0	3685.5	3696.5	3704.8	3740.5	3759.8	3754.3	3801.1	3834.1	3825.9	3867.2
7.5°	3691.0	3707.5	3693.8	3735.0	3765.3	3812.1	3861.6	3905.7	3947.0	3993.8	4002.0
10°	3740.5	3740.5	3765.3	3798.3	3878.2	3913.9	3985.5	4048.8	4128.6	4183.7	4161.7
12.5°	3792.8	3801.1	3801.1	3886.4	3952.5	4032.3	4098.4	4183.7	4296.5	4362.6	4395.6
15°	3845.1	3850.6	3878.2	3993.8	4092.9	4219.5	4280.0	4357.1	4420.4	4544.2	4547.0
17.5°	3891.9	3922.2	4004.8	4134.1	4258.0	4379.1	4475.4	4555.3	4610.3	4659.9	4648.8
20°	4068.1	4090.1	4175.4	4304.8	4489.2	4607.6	4640.6	4654.3	4690.1	4789.2	4758.9
22.5°	4238.7	4247.0	4326.8	4525.0	4654.3	4811.2	4847.0	4838.8	4852.5	4877.3	4921.3
25°	4414.9	4428.6	4538.7	4706.6	4888.3	5075.5	5105.7	5042.4	5023.2	5050.7	5053.4
27.5°	4640.6	4643.3	4783.7	4929.6	5136.0	5312.2	5359.0	5309.4	5218.6	5240.6	5276.4
30°	4926.8	4907.6	5047.9	5257.1	5474.6	5573.7	5653.5	5628.7	5529.6	5510.3	5480.1
32.5°	5257.1	5262.6	5389.2	5617.7	5760.8	5926.0	6011.3	5970.0	5906.7	5873.7	5892.9
35°	5722.3	5747.1	5832.4	6022.3	6253.5	6336.1	6470.9	6382.9	6217.7	6259.0	6294.8
37.5°	6104.9	6176.4	6336.1	6561.8	6699.4	6850.8	6900.3	6782.0	6660.9	6611.3	6729.7
40°	6691.1	6669.1	6845.3	7071.0	7274.7	7426.0	7362.7	7244.4	6944.4	6947.1	6980.1
42.5°	7194.8	7205.8	7340.7	7610.4	7888.4	7982.0	7781.1	7492.1	7159.0	7123.3	7194.8
45°	7618.7	7662.7	7739.8	8100.4	8372.9	8474.7	8103.1	7761.8	7315.9	7167.3	7285.7
47.5°	7770.1	7841.6	8009.5	8339.8	8609.6	8692.1	8394.9	7905.0	7461.8	7219.6	7282.9
50°	7792.1	7767.3	8042.6	8345.3	8582.1	8761.0	8499.5	8009.5	7426.0	7299.4	7280.2
52.5°	7189.3	7310.4	7604.9	8020.6	8499.5	8785.7	8593.1	8067.3	7475.6	7332.5	7285.7
55°	5818.6	5675.5	6212.2	6911.3	7792.1	8587.6	8560.0	8097.6	7505.9	7387.5	7324.2
57.5°	3247.9	3289.1	3591.9	4351.6	5488.3	6809.5	7610.4	7778.3	7492.1	7423.3	7456.3
60°	1502.8	1516.6	1645.9	2001.0	2705.6	3861.6	4915.8	5986.5	6479.2	6578.3	6578.3
62.5°	1120.2	1114.7	1147.8	1211.1	1359.7	1775.3	2369.8	3220.3	3897.4	4370.8	4494.7
65°	1012.9	1010.1	1026.7	1048.7	1059.7	1117.5	1249.6	1511.1	1731.3	1857.9	1835.9
67.5°	886.3	883.5	889.0	902.8	922.1	952.3	985.4	1040.4	1117.5	1112.0	1098.2
70°	715.6	715.6	723.9	734.9	756.9	792.7	831.2	869.8	935.8	949.6	946.8
72.5°	528.5	520.2	536.7	558.7	580.8	624.8	666.1	701.9	748.7	762.4	756.9
75°	335.8	341.3	352.3	377.1	415.6	445.9	489.9	520.2	550.5	561.5	564.2
77.5°	187.2	192.7	211.9	242.2	280.7	313.8	352.3	377.1	396.3	399.1	401.9
80°	112.8	115.6	134.9	162.4	195.4	231.2	261.5	286.3	302.8	294.5	291.8
82.5°	68.8	71.6	88.1	112.8	140.4	167.9	200.9	222.9	239.5	228.5	217.4
85°	35.8	38.5	52.3	68.8	90.8	104.6	104.6	93.6	90.8	85.3	82.6
87.5°	11.0	11.0	13.8	16.5	13.8	16.5	19.3	22.0	22.0	24.8	22.0
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)