

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: P533247

Luminaire Tested: **GALN-SA8C-830-U-RW-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P533247
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-7)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA8C-830-U-RW-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 80 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR
WIDE OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 29154 lumens
Efficiency: N/A
Efficacy: 68.0 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): 429
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

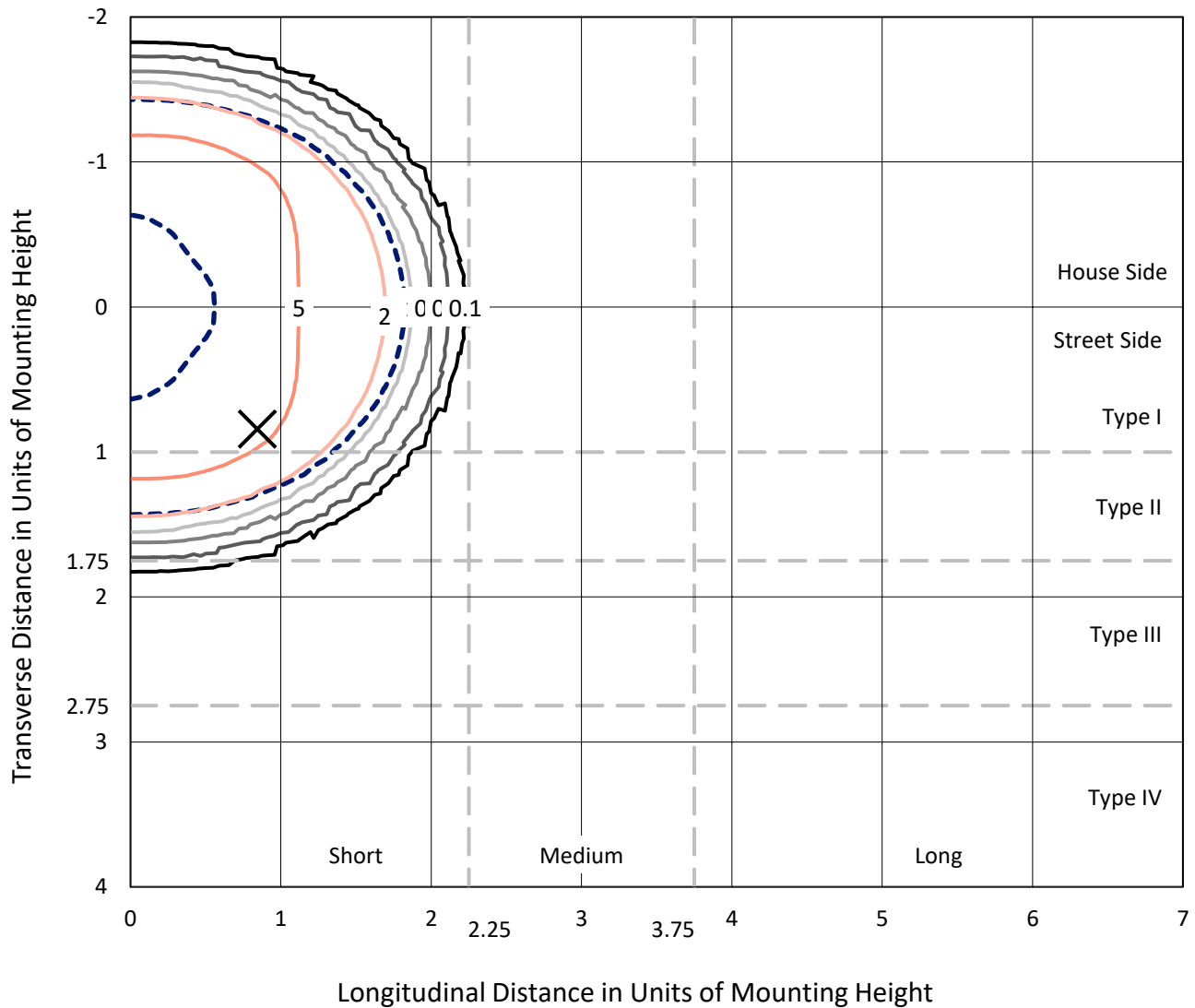


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

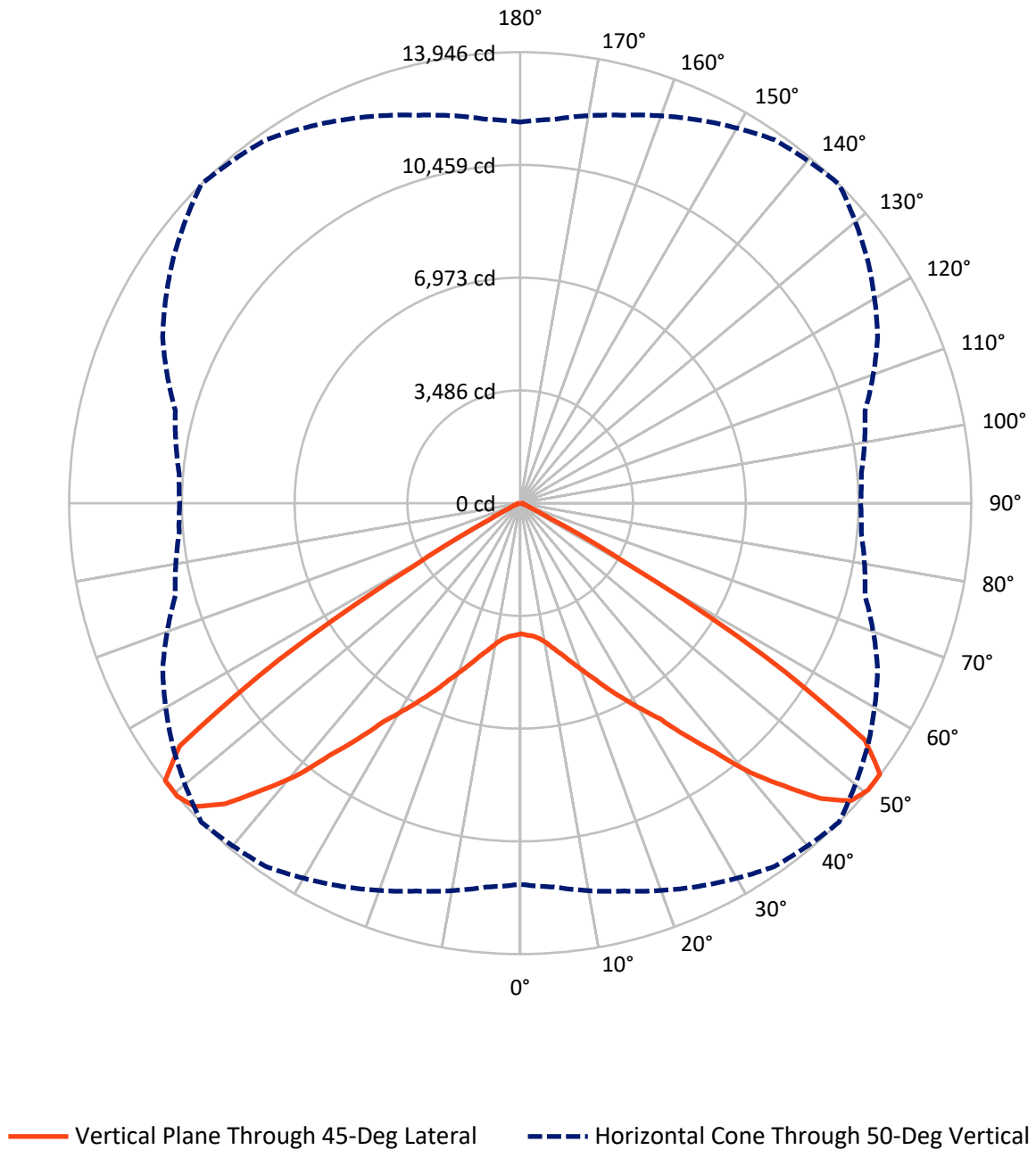


Based on 25 foot mounting height. Maximum calculated value = 7.8 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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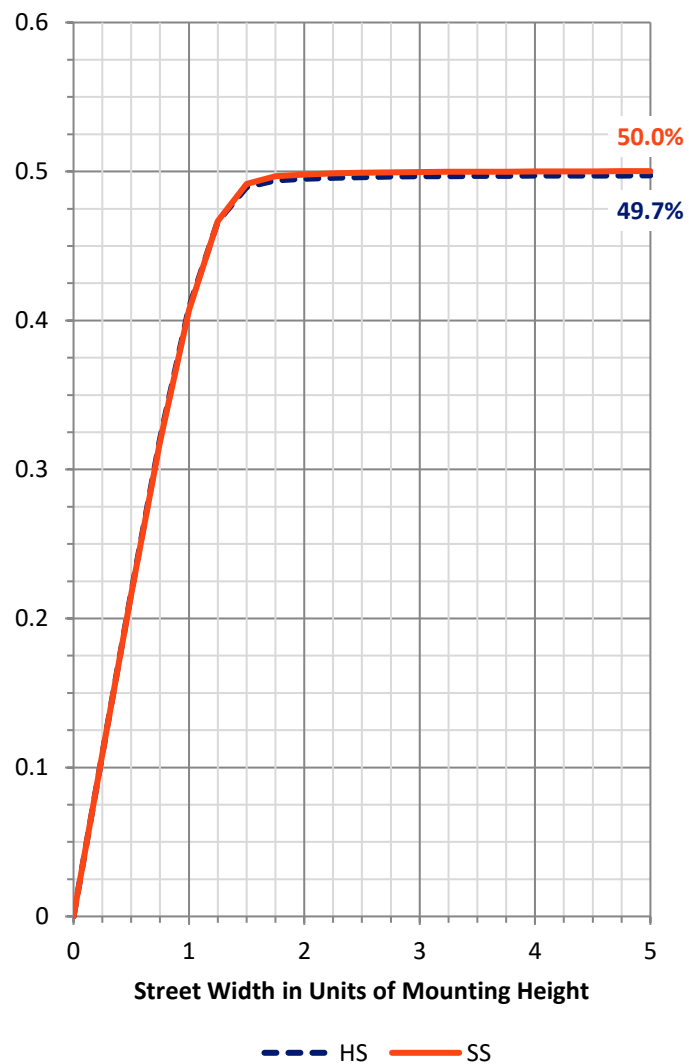
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	14577.0	0.0	14577.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	14577.0	0.0	14577.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	29154.0	0.0	29154.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	402.1	1.4
10°-20°	1385.9	4.8
20°-30°	2830.5	9.7
30°-40°	5397.8	18.5
40°-50°	9096.1	31.2
50°-60°	8674.8	29.8
60°-70°	1211.0	4.2
70°-80°	115.8	0.4
80°-90°	40.0	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°	29154.0	100.0
0°-180°	29154.0	100.0

Coefficient of Utilization



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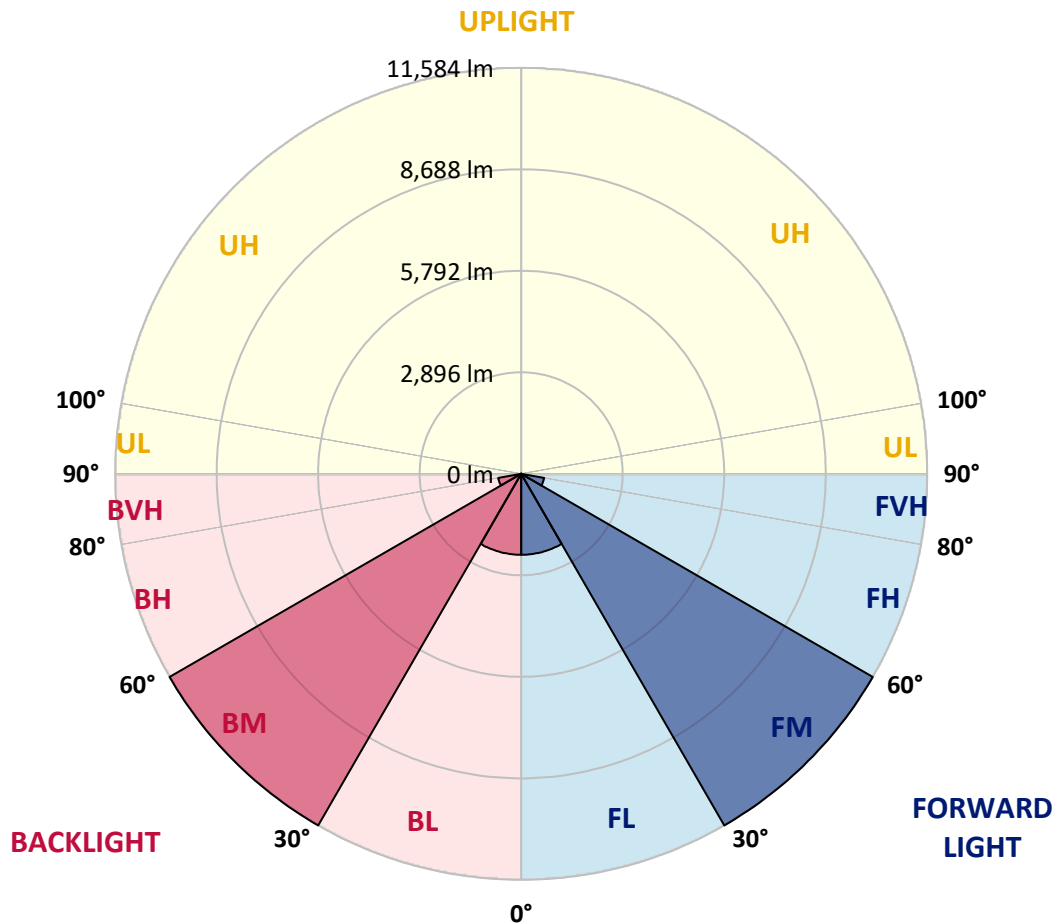
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2309.3	7.9			
FM	(30°-60°)	11584.3	39.7			
FH	(60°-80°)	663.4	2.3			G1/1800
FVH	(80°-90°)	20.0	0.1			G1/100
BL	(0°-30°)	2309.3	7.9	B3/2500		
BM	(30°-60°)	11584.3	39.7	B5		
BH	(60°-80°)	663.4	2.3	B2/1000		G1/1800
BVH	(80°-90°)	20.0	0.1			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°	4041.9	4041.9	4041.9	4041.9	4041.9	4041.9	4041.9	4041.9	4041.9	4041.9	4041.9
2.5°	4027.2	4027.2	4022.3	4061.5	4041.9	4086.0	4081.1	4095.8	4110.6	4105.6	4144.9
5°	3992.8	3987.9	3987.9	4032.1	4076.2	4125.3	4169.4	4198.8	4247.9	4247.9	4297.0
7.5°	4027.2	4002.6	4037.0	4056.6	4140.0	4223.4	4297.0	4355.8	4468.6	4507.9	4493.2
10°	4037.0	4066.4	4090.9	4149.8	4252.8	4380.3	4444.1	4591.3	4718.8	4807.1	4826.7
12.5°	4100.7	4144.9	4213.6	4355.8	4449.0	4615.8	4704.1	4846.3	5022.9	5121.0	5189.7
15°	4223.4	4238.1	4326.4	4507.9	4709.0	4861.0	4998.4	5101.4	5273.1	5385.9	5390.8
17.5°	4380.3	4444.1	4566.7	4738.4	4949.3	5175.0	5282.9	5395.7	5459.5	5611.5	5645.9
20°	4694.3	4704.1	4821.8	5047.4	5312.3	5518.3	5596.8	5655.7	5631.2	5788.1	5817.6
22.5°	4988.6	4998.4	5145.6	5449.7	5734.2	5910.8	5945.1	5910.8	5837.2	5950.0	5959.8
25°	5287.8	5376.1	5484.0	5788.1	6141.3	6376.8	6381.7	6288.5	6136.4	6156.0	6205.1
27.5°	5753.8	5817.6	5930.4	6210.0	6597.5	6862.4	6818.2	6705.4	6509.2	6523.9	6509.2
30°	6298.3	6357.1	6450.3	6808.4	7092.9	7382.3	7446.1	7338.2	7043.9	6980.1	7053.7
32.5°	6955.6	7039.0	7210.6	7539.3	7779.6	7956.2	8000.4	7961.1	7686.4	7661.9	7711.0
35°	7755.1	7867.9	8024.9	8314.3	8510.5	8829.4	8829.4	8696.9	8446.7	8476.2	8471.3
37.5°	8598.8	8765.6	9010.8	9305.2	9570.0	9741.7	9687.8	9574.9	9324.8	9261.0	9324.8
40°	9658.3	9741.7	10050.7	10433.4	10757.1	10953.3	10722.8	10477.5	9879.1	9972.3	10143.9
42.5°	10624.7	10757.1	10992.5	11414.4	11782.3	11944.2	11669.5	11183.8	10462.8	10389.2	10516.7
45°	11448.7	11591.0	11900.0	12503.3	12890.9	13033.1	12424.9	11640.0	10816.0	10629.6	10683.5
47.5°	11998.1	12071.7	12503.3	13077.3	13430.4	13754.2	12881.0	11954.0	10982.7	10629.6	10609.9
50°	11787.2	11914.7	12420.0	13072.3	13714.9	13945.5	13111.6	12194.3	11036.7	10585.4	10526.6
52.5°	10467.7	10688.4	11252.5	12130.5	13101.8	13925.9	13430.4	12115.8	11017.1	10629.6	10717.9
55°	7284.2	7289.1	7975.8	9270.8	10987.6	12930.1	12964.4	12204.1	11144.6	10904.3	10909.2
57.5°	2928.4	3075.6	3600.4	4900.3	6484.7	8878.4	10556.0	11321.2	11159.3	11100.5	11252.5
60°	740.7	745.6	907.5	1383.3	2280.9	3806.4	5528.2	7480.4	8613.5	9001.0	9055.0
62.5°	377.7	382.6	421.8	490.5	623.0	1020.3	1814.9	2879.3	4095.8	4713.9	4875.8
65°	309.0	309.0	333.6	367.9	372.8	392.4	470.9	672.0	976.1	1108.6	1123.3
67.5°	235.4	235.4	255.1	274.7	284.5	279.6	269.8	279.6	338.5	323.7	313.9
70°	147.2	152.1	161.9	181.5	191.3	196.2	201.1	210.9	240.4	250.2	240.4
72.5°	88.3	88.3	93.2	107.9	122.6	132.4	147.2	157.0	171.7	196.2	191.3
75°	39.2	39.2	49.1	63.8	78.5	93.2	107.9	122.6	132.4	147.2	152.1
77.5°	9.8	14.7	24.5	44.1	58.9	78.5	98.1	112.8	122.6	122.6	117.7
80°	4.9	4.9	19.6	34.3	63.8	83.4	107.9	117.7	132.4	122.6	107.9
82.5°	4.9	4.9	19.6	34.3	58.9	83.4	112.8	127.5	137.3	122.6	103.0
85°	0.0	4.9	14.7	29.4	49.1	58.9	49.1	34.3	19.6	19.6	14.7
87.5°	0.0	0.0	4.9	4.9	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)