

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: P534183

Luminaire Tested: **GALN-SA9C-830-U-RW-GRSBK**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P534183  
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-SA9C-830-U-RW-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(9) 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: 32730 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

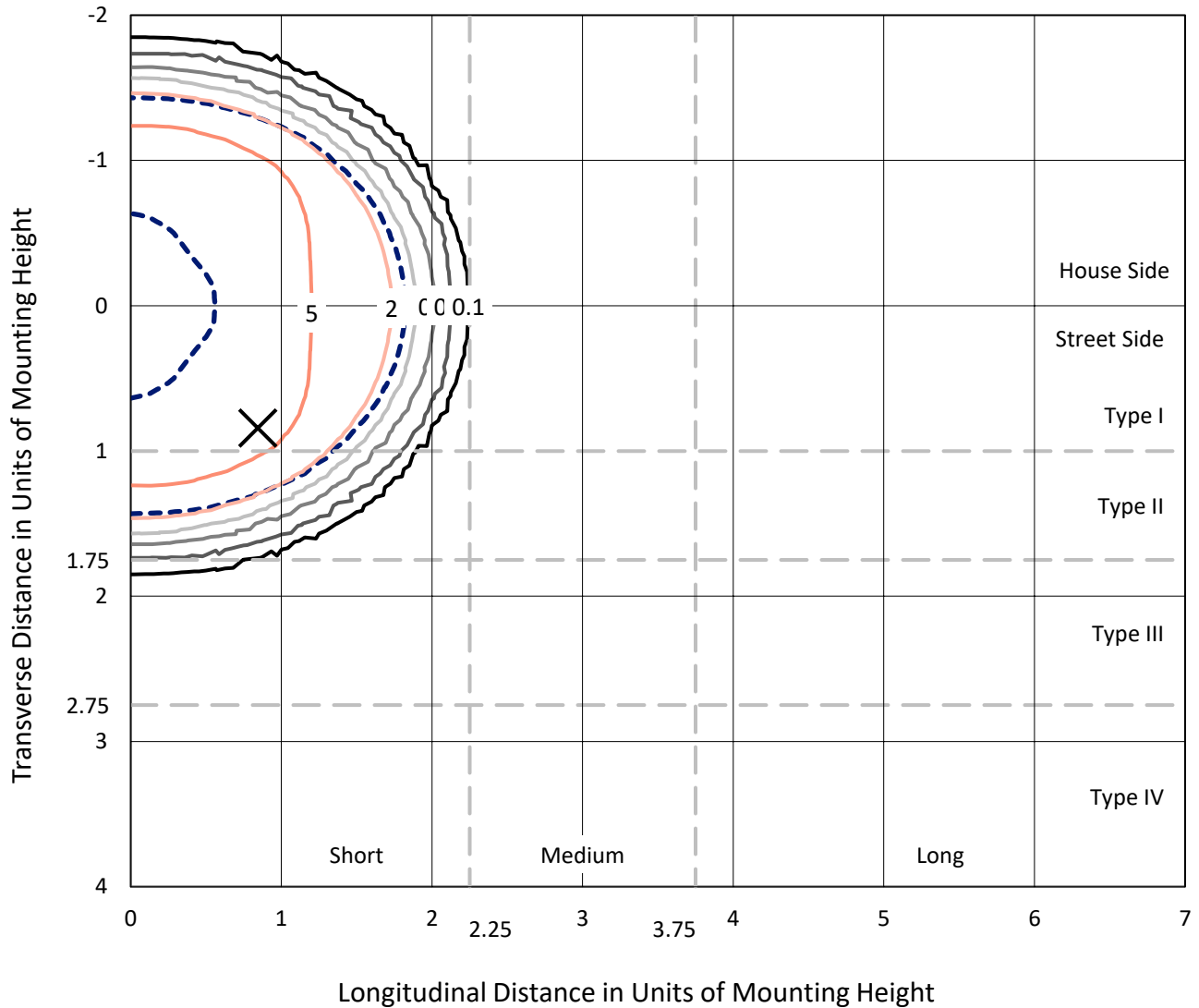
Input Watts (W): 481  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

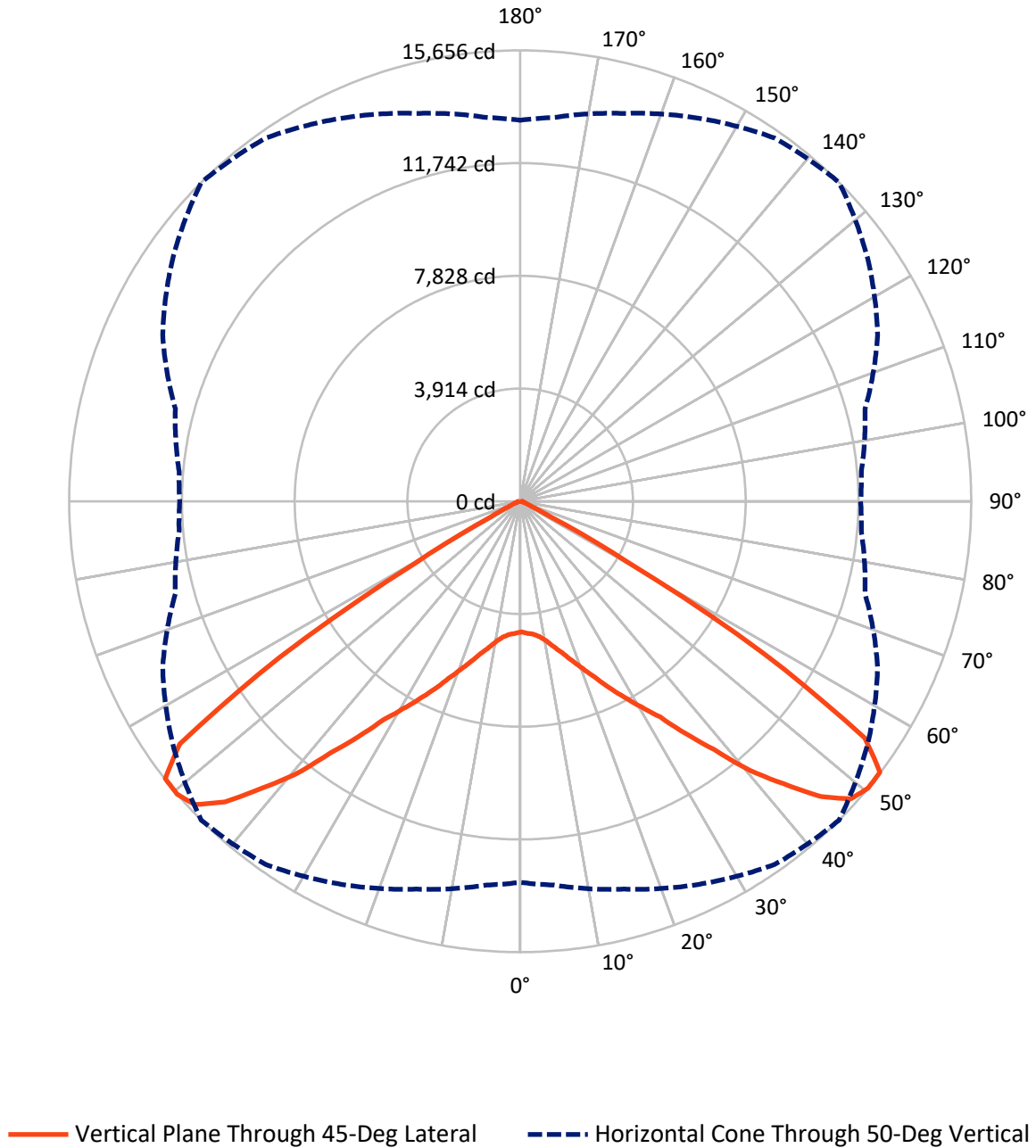
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.7 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



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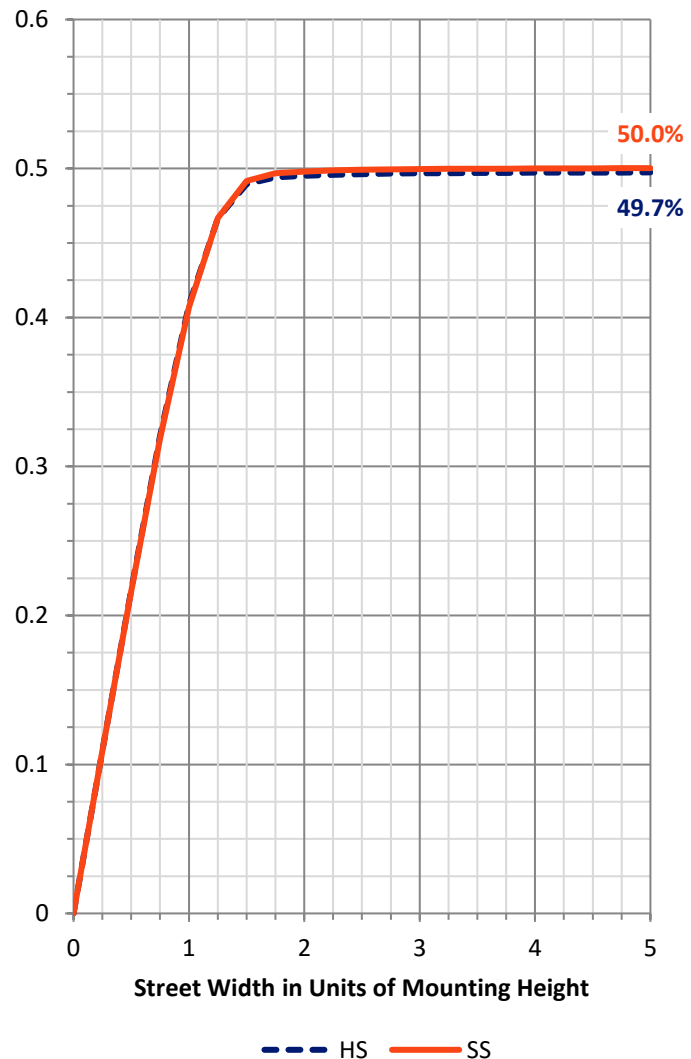
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	16365.0	0.0	16365.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	16365.0	0.0	16365.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	32730.0	0.0	32730.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	451.4	1.4
10°-20°	1555.9	4.8
20°-30°	3177.7	9.7
30°-40°	6059.9	18.5
40°-50°	10211.8	31.2
50°-60°	9738.8	29.8
60°-70°	1359.5	4.2
70°-80°	130.0	0.4
80°-90°	44.9	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°	32730.0	100.0
0°-180°	32730.0	100.0



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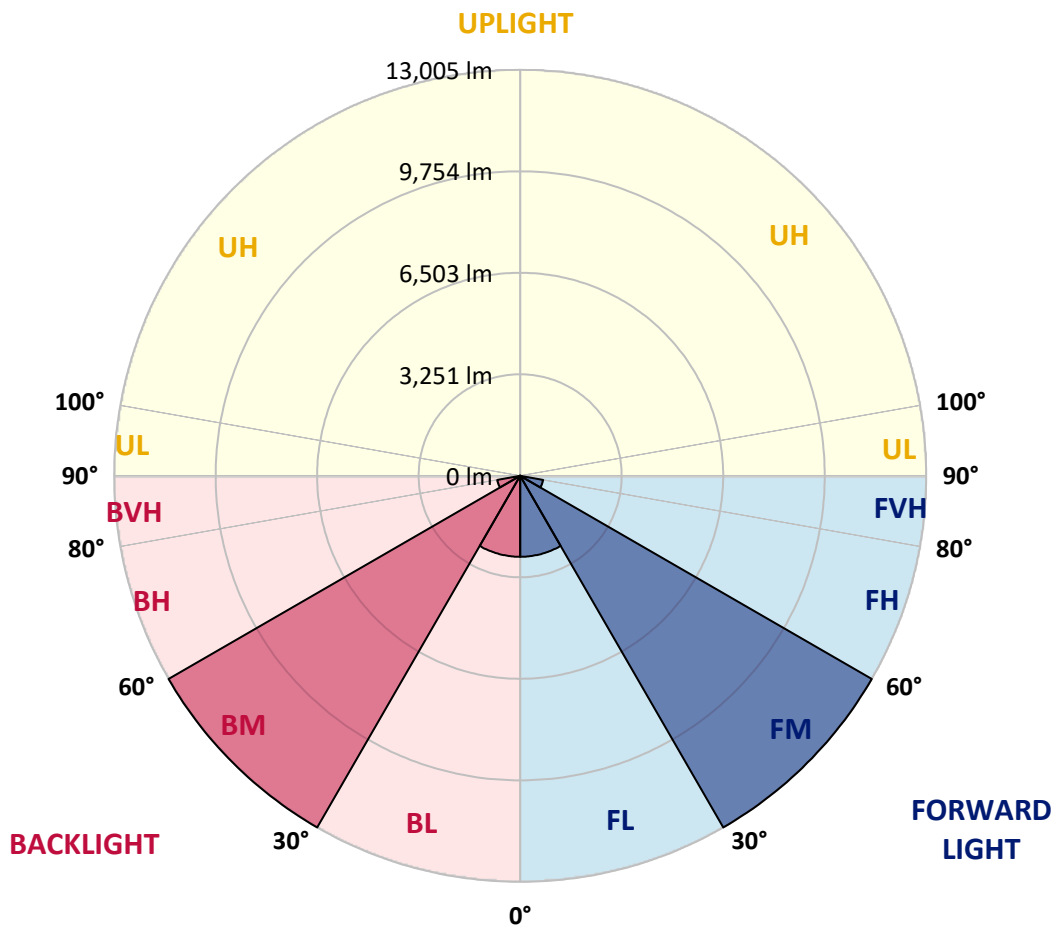
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2592.5	7.9			
FM (30°-60°)	13005.3	39.7			
FH (60°-80°)	744.8	2.3			G1/1800
FVH (80°-90°)	22.5	0.1			G1/100
BL (0°-30°)	2592.5	7.9	B4/5000		
BM (30°-60°)	13005.3	39.7	B5		
BH (60°-80°)	744.8	2.3	B2/1000		G1/1800
BVH (80°-90°)	22.5	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°	4537.7	4537.7	4537.7	4537.7	4537.7	4537.7	4537.7	4537.7	4537.7	4537.7	4537.7
2.5°	4521.1	4521.1	4515.6	4559.7	4537.7	4587.2	4581.7	4598.2	4614.8	4609.2	4653.3
5°	4482.6	4477.1	4477.1	4526.6	4576.2	4631.3	4680.8	4713.9	4768.9	4768.9	4824.0
7.5°	4521.1	4493.6	4532.1	4554.2	4647.8	4741.4	4824.0	4890.1	5016.8	5060.8	5044.3
10°	4532.1	4565.2	4592.7	4658.8	4774.4	4917.6	4989.2	5154.4	5297.6	5396.7	5418.8
12.5°	4603.7	4653.3	4730.4	4890.1	4994.7	5182.0	5281.1	5440.8	5639.0	5749.2	5826.3
15°	4741.4	4757.9	4857.1	5060.8	5286.6	5457.3	5611.5	5727.1	5919.9	6046.5	6052.0
17.5°	4917.6	4989.2	5126.9	5319.6	5556.4	5809.7	5930.9	6057.5	6129.1	6299.9	6338.4
20°	5270.1	5281.1	5413.2	5666.6	5963.9	6195.2	6283.3	6349.4	6321.9	6498.1	6531.1
22.5°	5600.5	5611.5	5776.7	6118.1	6437.5	6635.8	6674.3	6635.8	6553.2	6679.8	6690.8
25°	5936.4	6035.5	6156.7	6498.1	6894.6	7158.9	7164.4	7059.8	6889.1	6911.1	6966.2
27.5°	6459.5	6531.1	6657.8	6971.7	7406.7	7704.1	7654.5	7527.9	7307.6	7324.1	7307.6
30°	7070.8	7136.9	7241.5	7643.5	7962.9	8287.8	8359.4	8238.3	7907.9	7836.3	7918.9
32.5°	7808.7	7902.3	8095.1	8464.0	8733.9	8932.1	8981.7	8937.6	8629.3	8601.7	8656.8
35°	8706.3	8833.0	9009.2	9334.1	9554.4	9912.4	9912.4	9763.7	9482.8	9515.9	9510.4
37.5°	9653.5	9840.8	10116.1	10446.5	10743.9	10936.6	10876.1	10749.4	10468.5	10397.0	10468.5
40°	10843.0	10936.6	11283.6	11713.1	12076.5	12296.8	12038.0	11762.7	11090.8	11195.5	11388.2
42.5°	11927.9	12076.5	12340.9	12814.5	13227.5	13409.2	13100.8	12555.6	11746.1	11663.5	11806.7
45°	12853.0	13012.7	13359.6	14037.0	14472.0	14631.7	13948.9	13067.8	12142.6	11933.4	11993.9
47.5°	13469.8	13552.4	14037.0	14681.3	15077.8	15441.2	14461.0	13420.2	12329.9	11933.4	11911.3
50°	13233.0	13376.2	13943.4	14675.8	15397.2	15656.0	14719.8	13690.1	12390.4	11883.8	11817.7
52.5°	11751.6	11999.5	12632.7	13618.5	14708.8	15634.0	15077.8	13601.9	12368.4	11933.4	12032.5
55°	8177.7	8183.2	8954.2	10408.0	12335.4	14516.1	14554.6	13701.1	12511.6	12241.8	12247.3
57.5°	3287.6	3452.8	4042.0	5501.4	7280.1	9967.4	11850.8	12709.8	12528.1	12462.0	12632.7
60°	831.5	837.0	1018.8	1552.9	2560.7	4273.3	6206.2	8398.0	9670.0	10105.1	10165.7
62.5°	424.0	429.5	473.6	550.7	699.4	1145.4	2037.5	3232.5	4598.2	5292.1	5473.8
65°	346.9	346.9	374.5	413.0	418.5	440.5	528.7	754.4	1095.9	1244.6	1261.1
67.5°	264.3	264.3	286.4	308.4	319.4	313.9	302.9	313.9	380.0	363.5	352.4
70°	165.2	170.7	181.7	203.8	214.8	220.3	225.8	236.8	269.8	280.8	269.8
72.5°	99.1	99.1	104.6	121.2	137.7	148.7	165.2	176.2	192.7	220.3	214.8
75°	44.1	44.1	55.1	71.6	88.1	104.6	121.2	137.7	148.7	165.2	170.7
77.5°	11.0	16.5	27.5	49.6	66.1	88.1	110.1	126.7	137.7	137.7	132.2
80°	5.5	5.5	22.0	38.5	71.6	93.6	121.2	132.2	148.7	137.7	121.2
82.5°	5.5	5.5	22.0	38.5	66.1	93.6	126.7	143.2	154.2	137.7	115.6
85°	0.0	5.5	16.5	33.0	55.1	66.1	55.1	38.5	22.0	22.0	16.5
87.5°	0.0	0.0	5.5	5.5	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)