

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: P534047

Luminaire Tested: **GALN-SA9C-735-U-5NQ-GRSBK**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P534047  
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-SA9C-735-U-5NQ-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(9) 70 CRI, 3500K, 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: 40787 lumens  
Efficiency: N/A  
Efficacy: 84.8 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

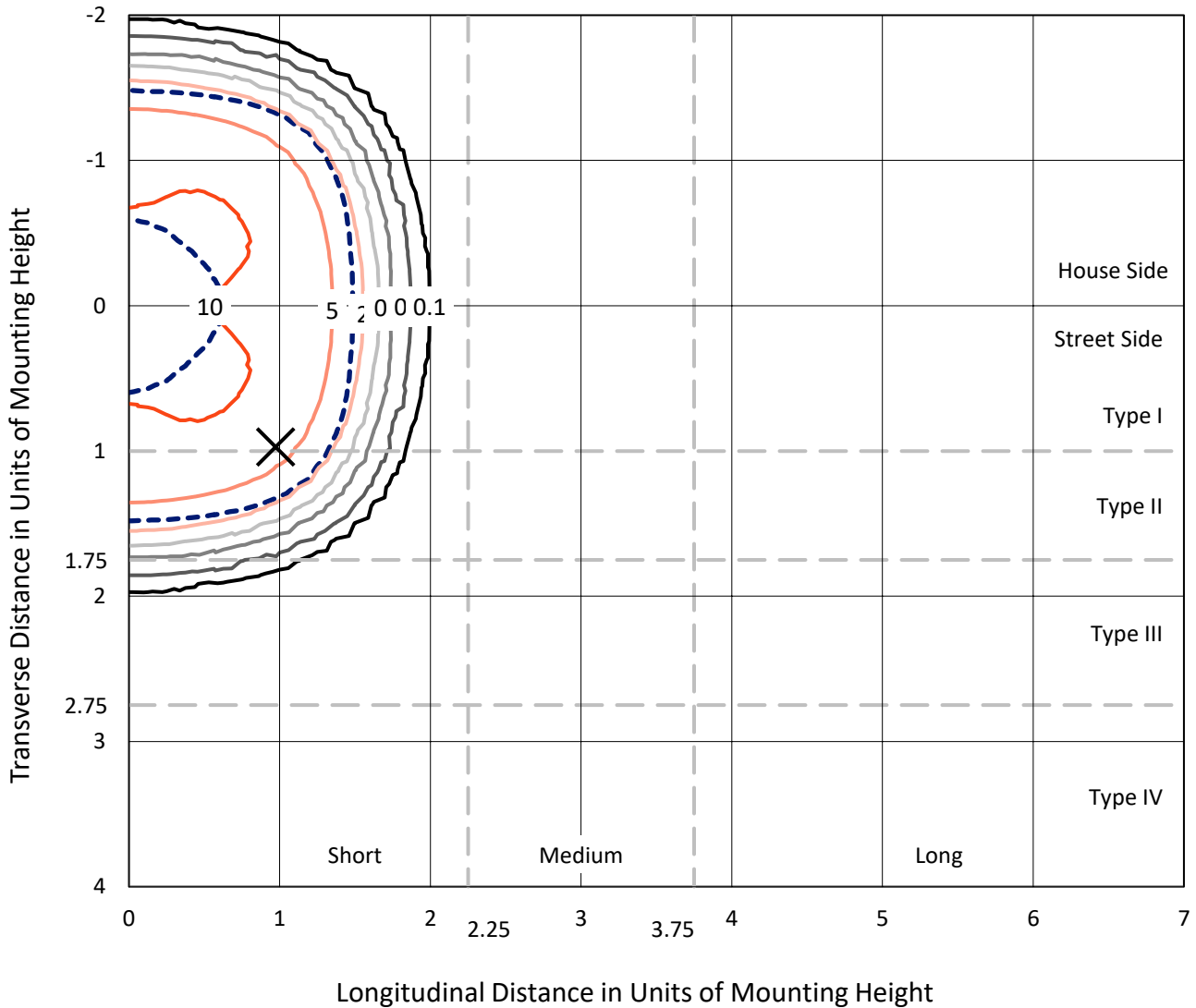
Input Watts (W): 481  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

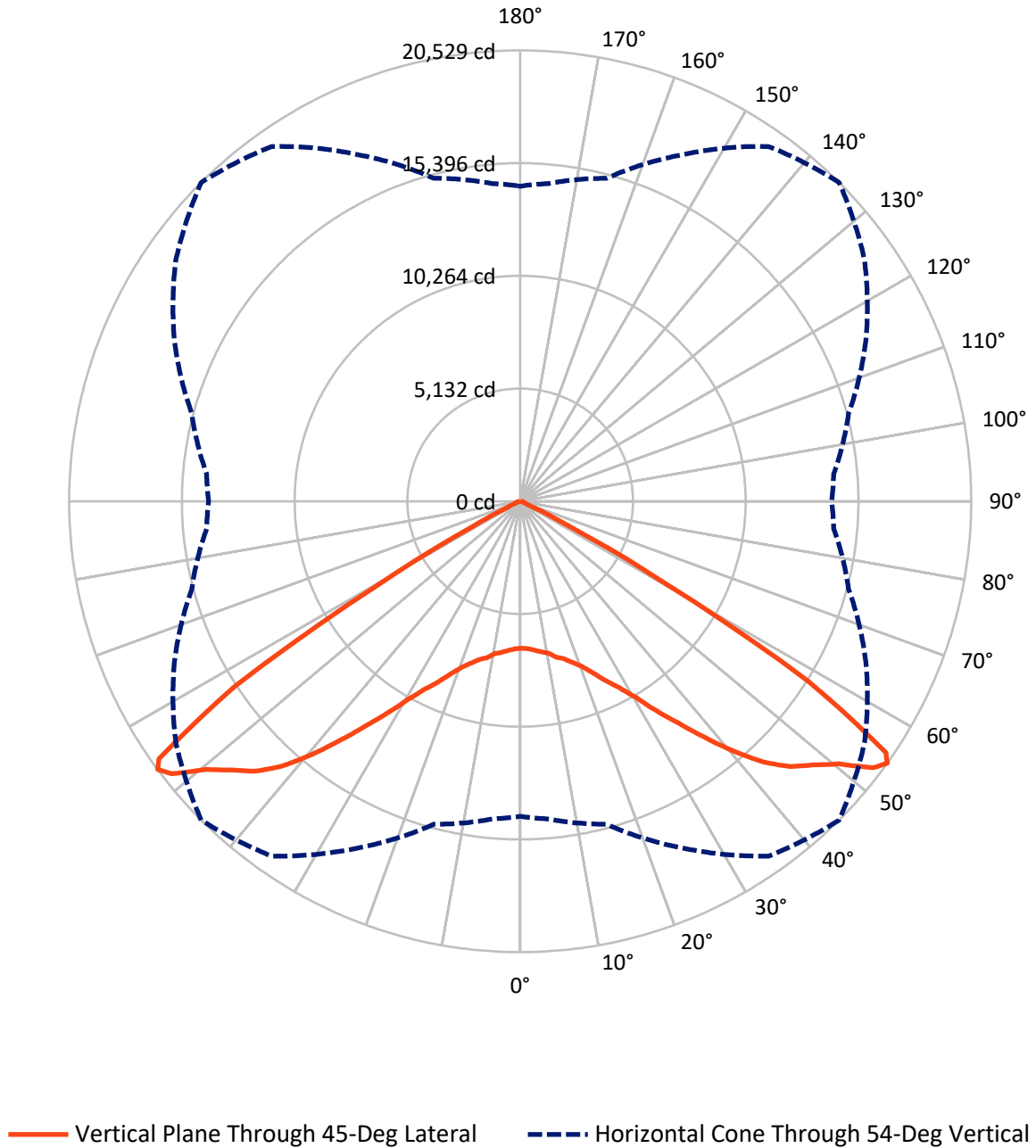
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.9 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



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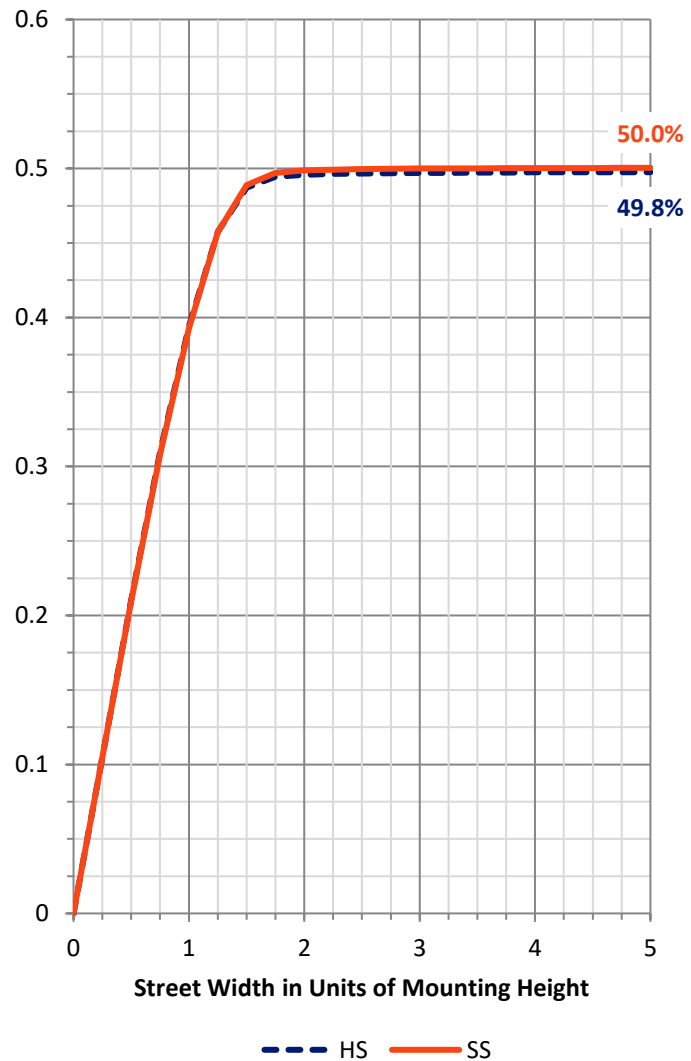
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	20393.5	0.0	20393.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	20393.5	0.0	20393.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	40787.0	0.0	40787.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	654.6	1.6
10°-20°	2119.8	5.2
20°-30°	4154.6	10.2
30°-40°	7470.9	18.3
40°-50°	12788.7	31.4
50°-60°	12374.3	30.3
60°-70°	1059.3	2.6
70°-80°	125.6	0.3
80°-90°	39.4	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°	40787.0	100.0
0°-180°	40787.0	100.0



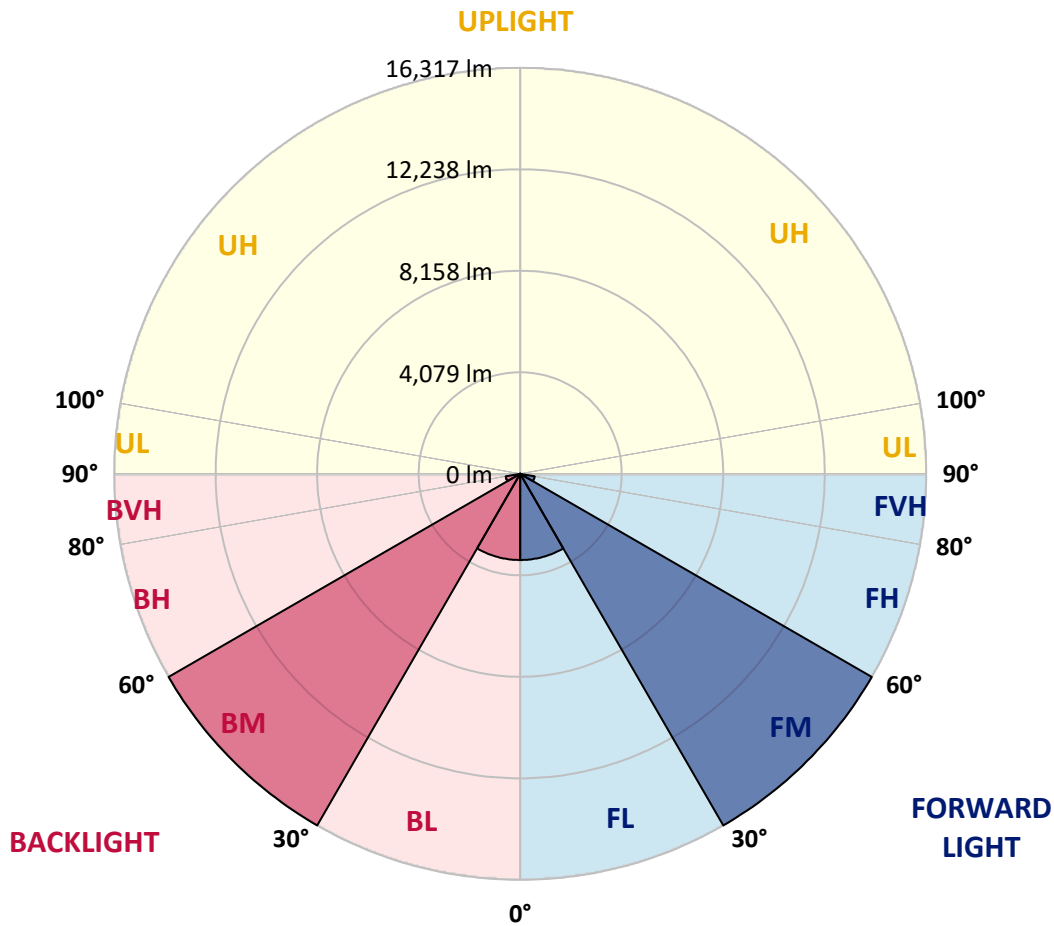
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3464.5	8.5			
FM (30°-60°)	16316.9	40.0			
FH (60°-80°)	592.4	1.5			G0/660
FVH (80°-90°)	19.7	0.0			G1/100
BL (0°-30°)	3464.5	8.5	B4/5000		
BM (30°-60°)	16316.9	40.0	B5		
BH (60°-80°)	592.4	1.5	B2/1000		G0/660
BVH (80°-90°)	19.7	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°	6687.8	6687.8	6687.8	6687.8	6687.8	6687.8	6687.8	6687.8	6687.8	6687.8	6687.8
2.5°	6720.1	6758.9	6733.0	6752.4	6752.4	6720.1	6739.5	6662.0	6713.6	6674.9	6681.3
5°	6823.5	6817.0	6817.0	6823.5	6797.6	6810.6	6784.7	6758.9	6739.5	6713.6	6791.2
7.5°	6952.7	6952.7	6907.5	6920.4	6907.5	6926.9	6875.2	6823.5	6804.1	6784.7	6771.8
10°	7075.5	7062.6	7043.2	7101.3	7056.1	7030.3	7004.4	6972.1	6901.0	6875.2	6849.3
12.5°	7256.4	7250.0	7224.1	7282.3	7256.4	7282.3	7185.3	7101.3	7088.4	7004.4	7049.6
15°	7469.7	7527.8	7482.6	7482.6	7469.7	7437.3	7398.6	7359.8	7243.5	7211.2	7217.7
17.5°	7747.5	7728.1	7734.6	7734.6	7799.2	7715.2	7637.7	7540.7	7482.6	7463.2	7398.6
20°	8012.4	8038.3	8031.8	8077.0	8115.8	8025.4	7941.4	7928.4	7766.9	7792.7	7702.3
22.5°	8477.7	8458.3	8490.6	8522.9	8497.1	8484.1	8406.6	8309.7	8167.5	8102.9	8090.0
25°	8968.8	8936.4	8878.3	8955.8	8994.6	9052.8	8904.1	8852.4	8632.8	8535.8	8542.3
27.5°	9388.8	9434.0	9498.6	9530.9	9627.8	9608.5	9505.1	9337.1	9169.1	9059.2	8988.1
30°	9963.8	9989.7	10099.5	10144.8	10312.8	10358.0	10196.5	10002.6	9705.4	9563.2	9479.2
32.5°	10493.7	10674.6	10668.2	10894.3	11165.7	11353.1	11062.3	10765.1	10467.9	10299.9	10151.2
35°	11353.1	11320.8	11508.2	11747.3	12186.7	12399.9	12083.3	11740.8	11288.5	11017.1	10900.8
37.5°	12154.3	12167.3	12419.3	12800.5	13304.5	13634.1	13356.2	12794.0	12328.8	11979.9	11818.3
40°	13317.4	13343.3	13601.8	14034.7	14603.3	14958.7	14635.6	14067.0	13446.7	13175.3	13175.3
42.5°	14680.8	14790.7	14958.7	15333.5	15843.9	16238.1	15947.3	15501.5	14874.7	14525.8	14577.5
45°	16083.0	16134.7	16244.6	16800.3	17039.3	17233.2	16961.8	16755.0	16335.0	15908.6	15837.5
47.5°	17394.7	17414.1	17737.2	17911.7	18099.1	17937.5	18112.0	17840.6	17368.9	16955.3	16871.3
50°	17976.3	17944.0	18402.8	18932.6	19074.8	18790.4	18641.8	18460.9	17743.7	17246.1	17026.4
52.5°	16283.3	16470.7	17323.7	18796.9	19908.3	20147.4	19281.5	18448.0	17110.4	16141.2	15992.6
54°	14344.8	14519.3	15223.6	17407.7	19720.9	20528.6	19132.9	17362.4	15475.6	14325.5	14176.8
55°	12425.7	12231.9	13511.3	15740.6	18842.1	20192.6	18544.9	15960.3	13802.1	12748.8	12542.0
57.5°	6726.6	6758.9	7838.0	9944.5	13239.9	15482.1	13672.8	10797.4	8154.6	6972.1	6868.7
60°	2132.3	2184.0	2655.7	4019.1	6325.9	7553.7	6474.6	4335.8	2998.2	2403.7	2306.8
62.5°	665.5	691.4	756.0	1124.3	1731.7	2474.8	1938.5	1163.1	865.9	794.8	807.7
65°	407.1	407.1	413.5	439.4	516.9	600.9	581.5	510.5	491.1	478.2	471.7
67.5°	264.9	258.5	271.4	290.8	303.7	310.2	329.5	348.9	342.5	329.5	329.5
70°	161.5	155.1	168.0	193.8	200.3	213.2	232.6	258.5	252.0	239.1	245.5
72.5°	90.5	90.5	96.9	116.3	135.7	148.6	168.0	187.4	193.8	187.4	187.4
75°	32.3	38.8	51.7	71.1	84.0	103.4	122.8	142.2	161.5	148.6	142.2
77.5°	12.9	12.9	25.8	45.2	64.6	84.0	116.3	135.7	148.6	135.7	122.8
80°	6.5	6.5	19.4	38.8	58.2	77.5	96.9	116.3	122.8	109.8	96.9
82.5°	6.5	6.5	19.4	38.8	58.2	71.1	103.4	116.3	129.2	116.3	96.9
85°	0.0	6.5	19.4	38.8	51.7	58.2	58.2	38.8	32.3	19.4	19.4
87.5°	0.0	0.0	6.5	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)