

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: P532175

Luminaire Tested: **GALN-SA7C-735-U-5NQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P532175
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-SA7C-735-U-5NQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 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: 31337 lumens
Efficiency: N/A
Efficacy: 83.1 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

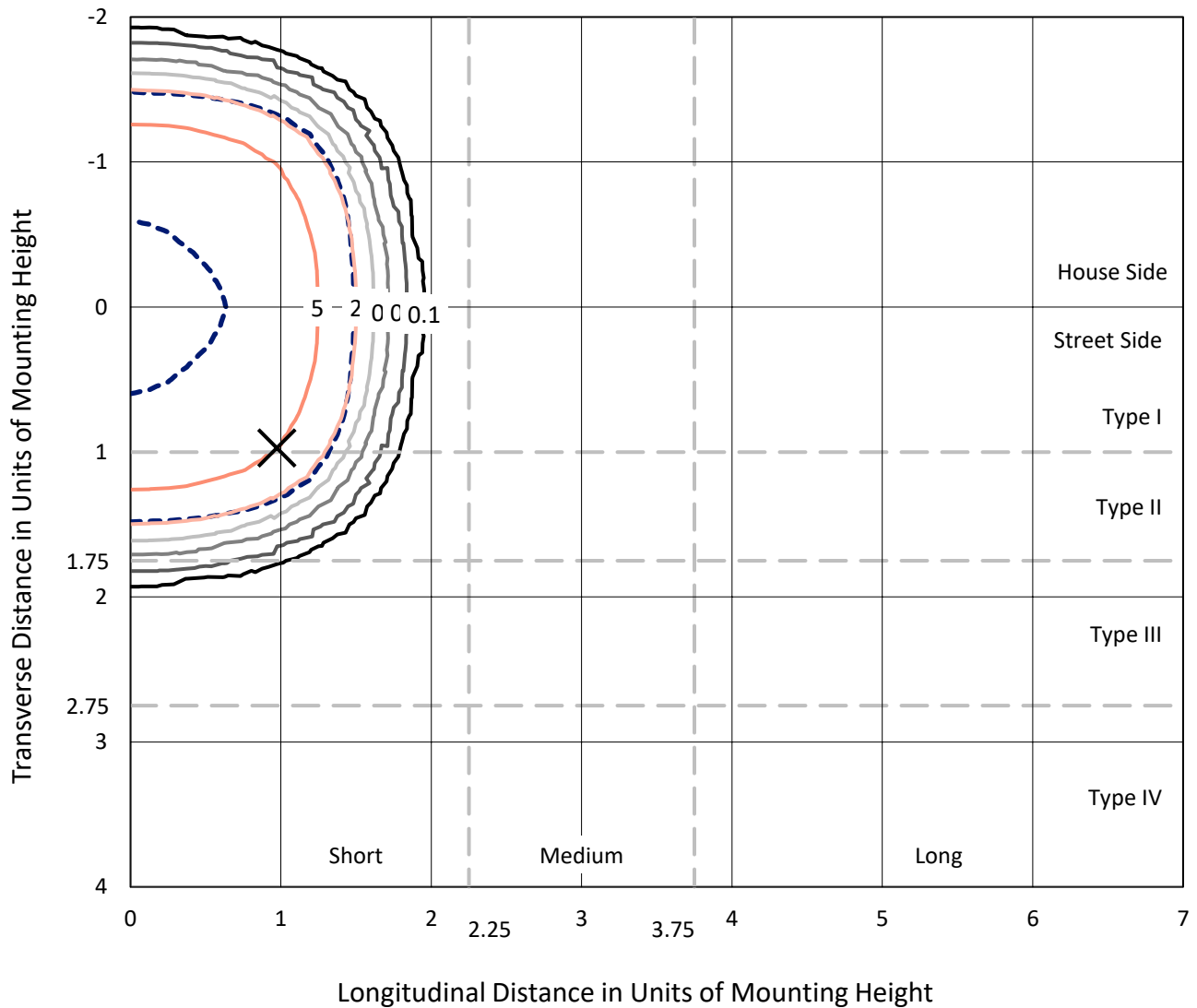
Input Watts (W): 377
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

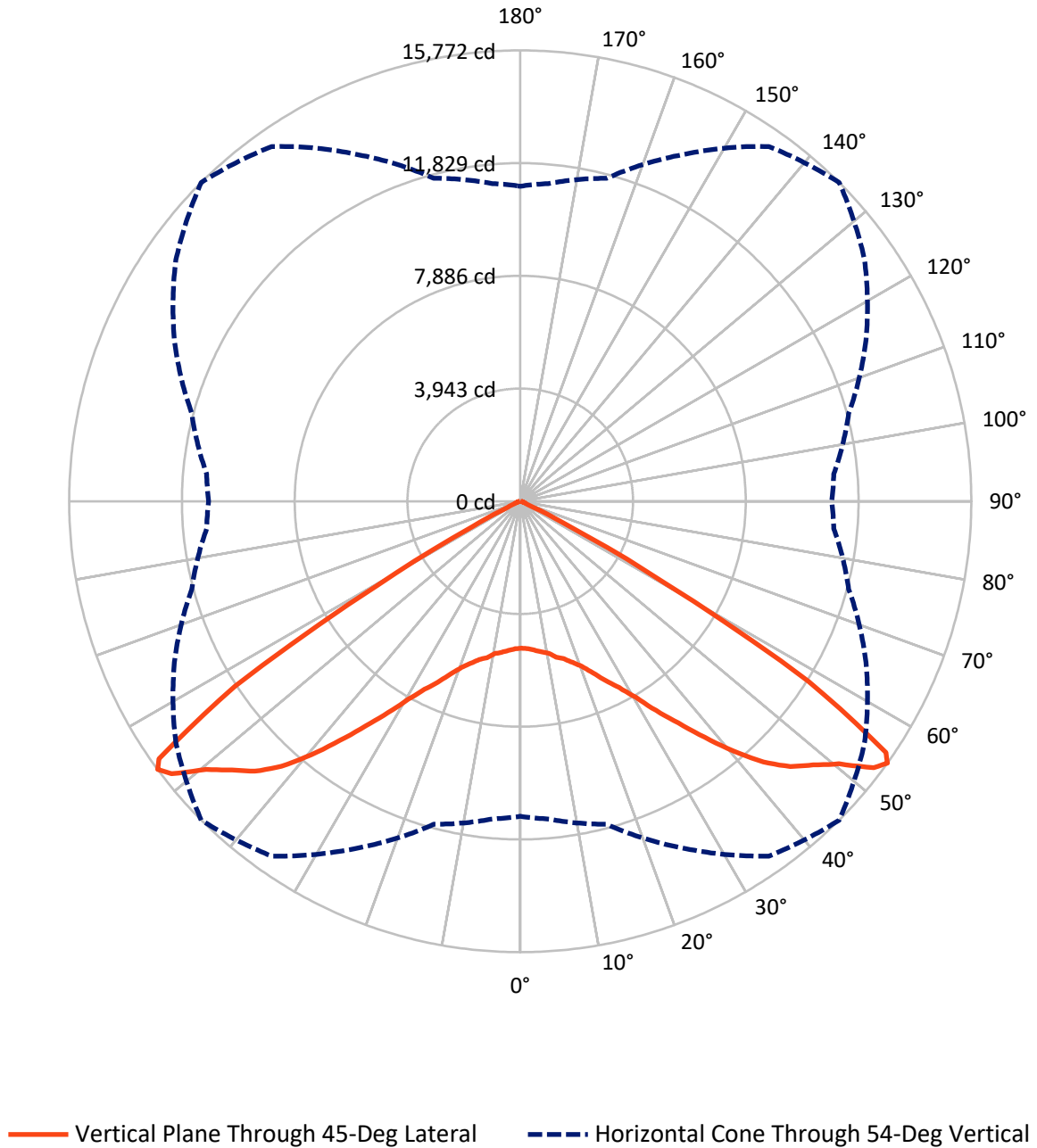
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.4 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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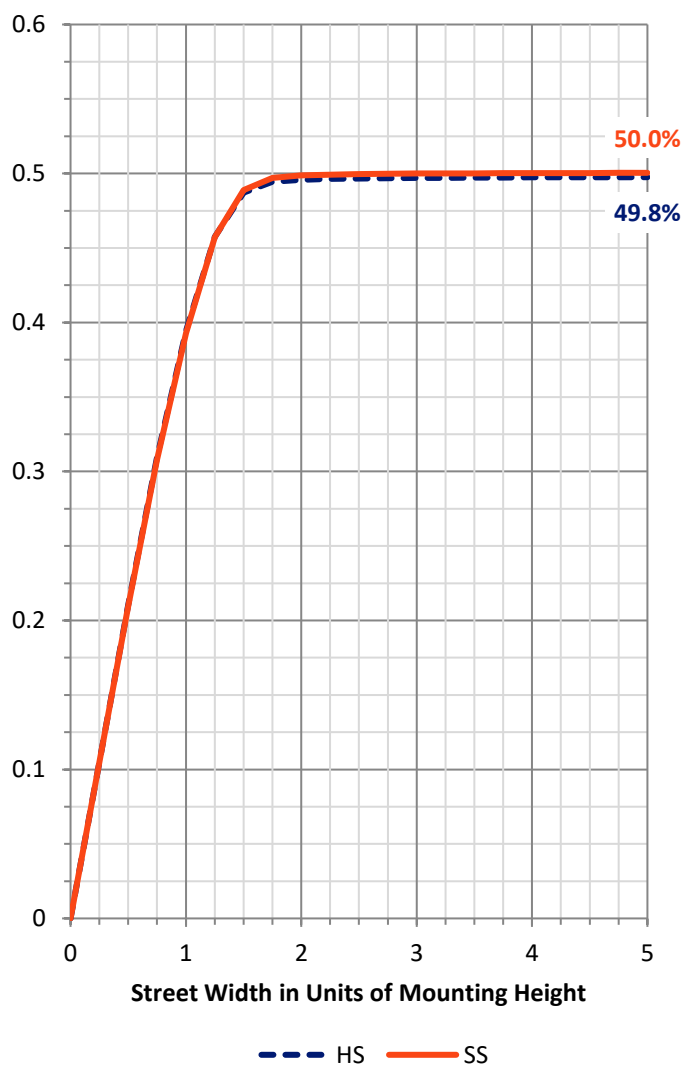
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	15668.5	0.0	15668.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	15668.5	0.0	15668.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	31337.0	0.0	31337.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	502.9	1.6
10°-20°	1628.6	5.2
20°-30°	3192.0	10.2
30°-40°	5739.9	18.3
40°-50°	9825.7	31.4
50°-60°	9507.3	30.3
60°-70°	813.9	2.6
70°-80°	96.5	0.3
80°-90°	30.3	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°	31337.0	100.0
0°-180°	31337.0	100.0

Coefficient of Utilization



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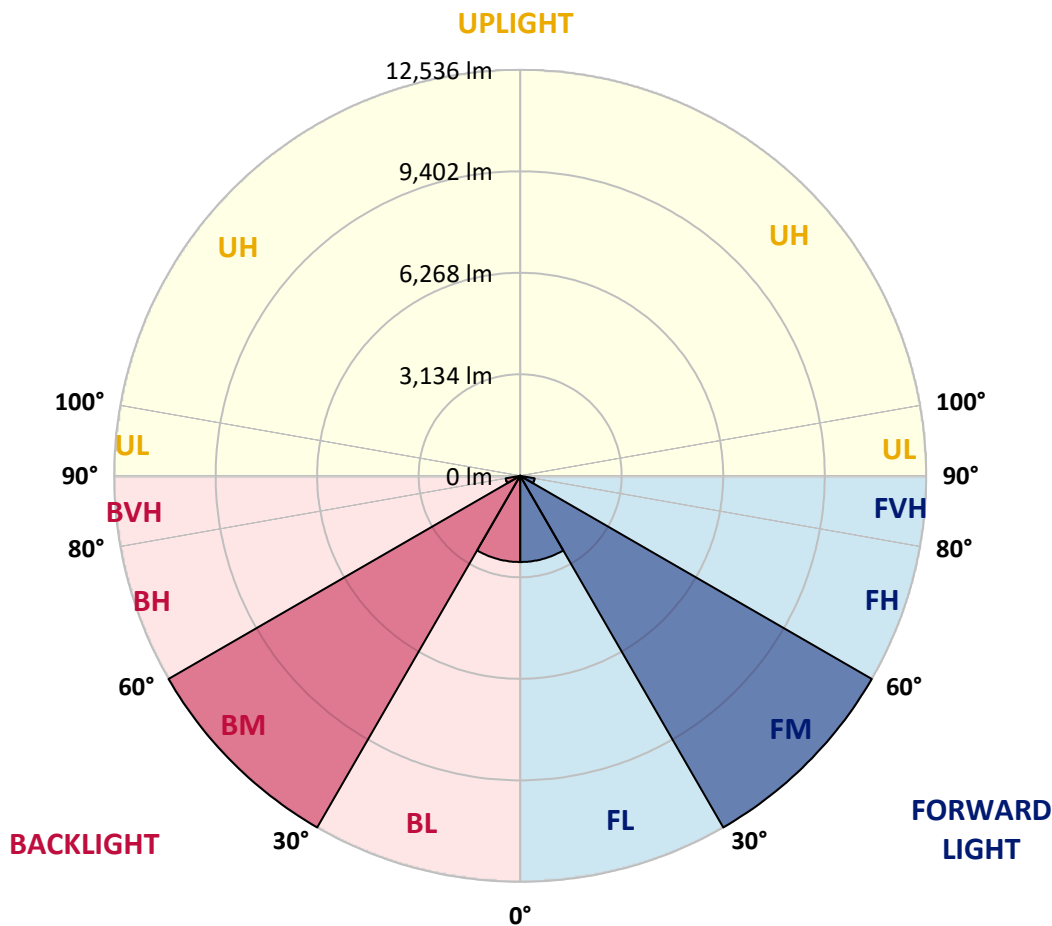
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2661.8	8.5			
FM (30°-60°)	12536.4	40.0			
FH (60°-80°)	455.2	1.5			G0/660
FVH (80°-90°)	15.1	0.0			G1/100
BL (0°-30°)	2661.8	8.5	B4/5000		
BM (30°-60°)	12536.4	40.0	B5		
BH (60°-80°)	455.2	1.5	B1/500		G0/660
BVH (80°-90°)	15.1	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°	5138.3	5138.3	5138.3	5138.3	5138.3	5138.3	5138.3	5138.3	5138.3	5138.3	5138.3
2.5°	5163.1	5192.9	5173.0	5187.9	5187.9	5163.1	5178.0	5118.4	5158.1	5128.4	5133.3
5°	5242.5	5237.6	5237.6	5242.5	5222.7	5232.6	5212.8	5192.9	5178.0	5158.1	5217.7
7.5°	5341.8	5341.8	5307.1	5317.0	5307.1	5322.0	5282.3	5242.5	5227.7	5212.8	5202.8
10°	5436.2	5426.2	5411.3	5456.0	5421.3	5401.4	5381.6	5356.7	5302.1	5282.3	5262.4
12.5°	5575.2	5570.2	5550.3	5595.0	5575.2	5595.0	5520.6	5456.0	5446.1	5381.6	5416.3
15°	5739.0	5783.7	5748.9	5748.9	5739.0	5714.2	5684.4	5654.6	5565.2	5540.4	5545.4
17.5°	5952.5	5937.6	5942.5	5942.5	5992.2	5927.7	5868.1	5793.6	5748.9	5734.0	5684.4
20°	6156.0	6175.9	6170.9	6205.7	6235.5	6166.0	6101.4	6091.5	5967.4	5987.2	5917.7
22.5°	6513.5	6498.6	6523.4	6548.2	6528.4	6518.4	6458.9	6384.4	6275.2	6225.5	6215.6
25°	6890.8	6865.9	6821.3	6880.8	6910.6	6955.3	6841.1	6801.4	6632.6	6558.1	6563.1
27.5°	7213.5	7248.2	7297.9	7322.7	7397.2	7382.3	7302.8	7173.8	7044.7	6960.3	6905.7
30°	7655.3	7675.2	7759.6	7794.3	7923.4	7958.1	7834.0	7685.1	7456.7	7347.5	7283.0
32.5°	8062.4	8201.4	8196.4	8370.2	8578.7	8722.7	8499.3	8270.9	8042.5	7913.5	7799.3
35°	8722.7	8697.9	8841.8	9025.5	9363.1	9526.9	9283.7	9020.6	8673.0	8464.5	8375.2
37.5°	9338.3	9348.2	9541.8	9834.7	10222.0	10475.2	10261.7	9829.8	9472.3	9204.2	9080.1
40°	10231.9	10251.8	10450.3	10783.0	11219.8	11492.9	11244.7	10807.8	10331.2	10122.7	10122.7
42.5°	11279.4	11363.8	11492.9	11780.8	12173.0	12475.9	12252.5	11909.9	11428.4	11160.3	11200.0
45°	12356.7	12396.4	12480.8	12907.8	13091.5	13240.4	13031.9	12873.0	12550.3	12222.7	12168.1
47.5°	13364.5	13379.4	13627.6	13761.7	13905.7	13781.5	13915.6	13707.1	13344.7	13026.9	12962.4
50°	13811.3	13786.5	14139.0	14546.1	14655.3	14436.9	14322.7	14183.7	13632.6	13250.3	13081.5
52.5°	12510.6	12654.6	13309.9	14441.8	15295.7	15479.4	14814.2	14173.7	13146.1	12401.4	12287.2
54°	11021.3	11155.3	11696.4	13374.5	15151.8	15772.3	14700.0	13339.7	11890.1	11006.4	10892.2
55°	9546.8	9397.9	10380.8	12093.6	14476.6	15514.2	14248.2	12262.4	10604.2	9795.0	9636.2
57.5°	5168.1	5192.9	6022.0	7640.4	10172.3	11895.0	10505.0	8295.7	6265.2	5356.7	5277.3
60°	1638.3	1678.0	2040.4	3087.9	4860.3	5803.5	4974.5	3331.2	2303.5	1846.8	1772.3
62.5°	511.3	531.2	580.9	863.8	1330.5	1901.4	1489.4	893.6	665.2	610.6	620.6
65°	312.8	312.8	317.7	337.6	397.2	461.7	446.8	392.2	377.3	367.4	362.4
67.5°	203.5	198.6	208.5	223.4	233.3	238.3	253.2	268.1	263.1	253.2	253.2
70°	124.1	119.1	129.1	148.9	153.9	163.8	178.7	198.6	193.6	183.7	188.7
72.5°	69.5	69.5	74.5	89.4	104.3	114.2	129.1	144.0	148.9	144.0	144.0
75°	24.8	29.8	39.7	54.6	64.5	79.4	94.3	109.2	124.1	114.2	109.2
77.5°	9.9	9.9	19.9	34.8	49.6	64.5	89.4	104.3	114.2	104.3	94.3
80°	5.0	5.0	14.9	29.8	44.7	59.6	74.5	89.4	94.3	84.4	74.5
82.5°	5.0	5.0	14.9	29.8	44.7	54.6	79.4	89.4	99.3	89.4	74.5
85°	0.0	5.0	14.9	29.8	39.7	44.7	44.7	29.8	24.8	14.9	14.9
87.5°	0.0	0.0	5.0	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)