

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: P531344

Luminaire Tested: **GALN-SA6C-827-U-5NQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P531344
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-6)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA6C-827-U-5NQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 80 CRI, 2700K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V
NARROW OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 27605 lumens
Efficiency: N/A
Efficacy: 86.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

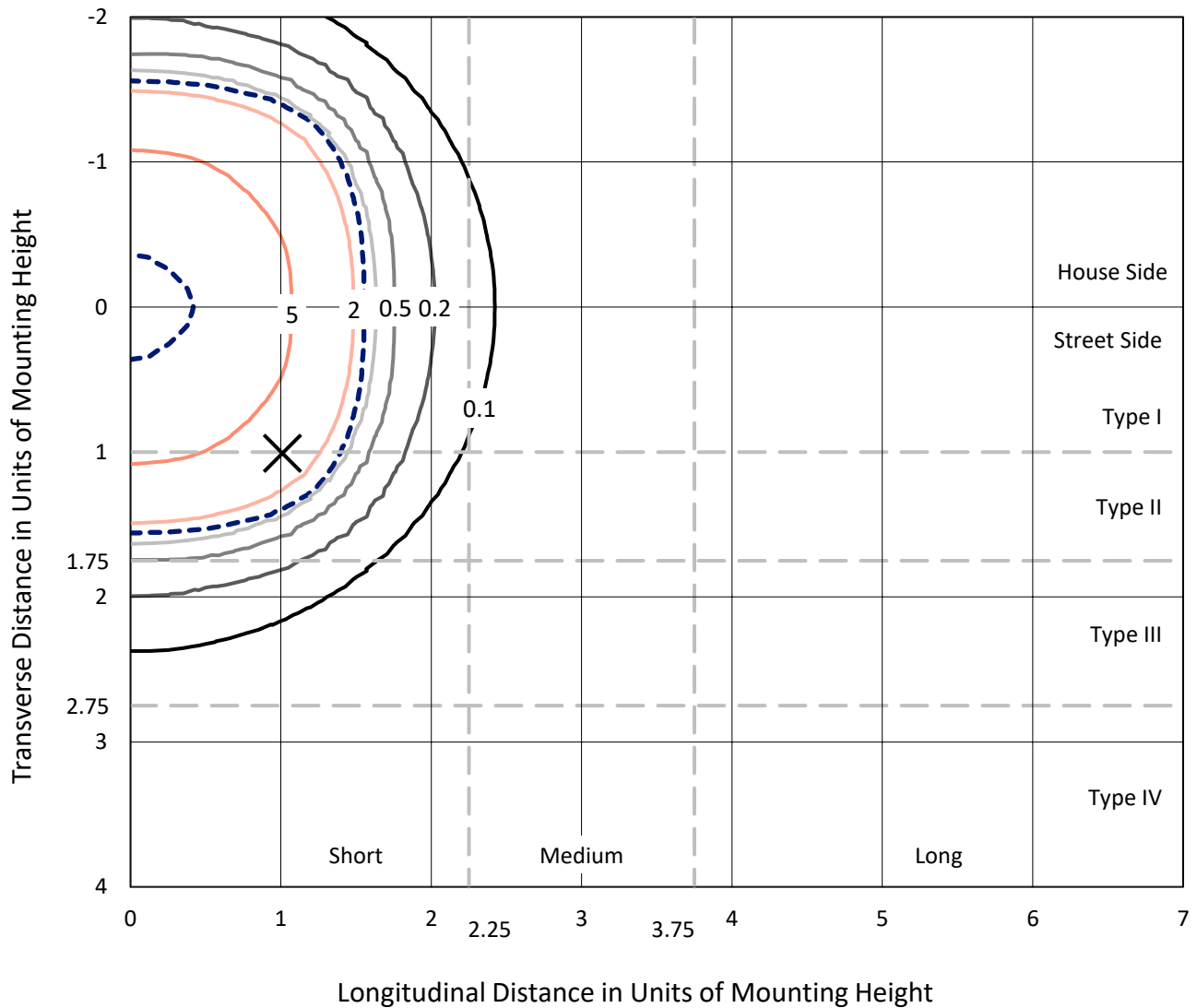
Input Watts (W): 321
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

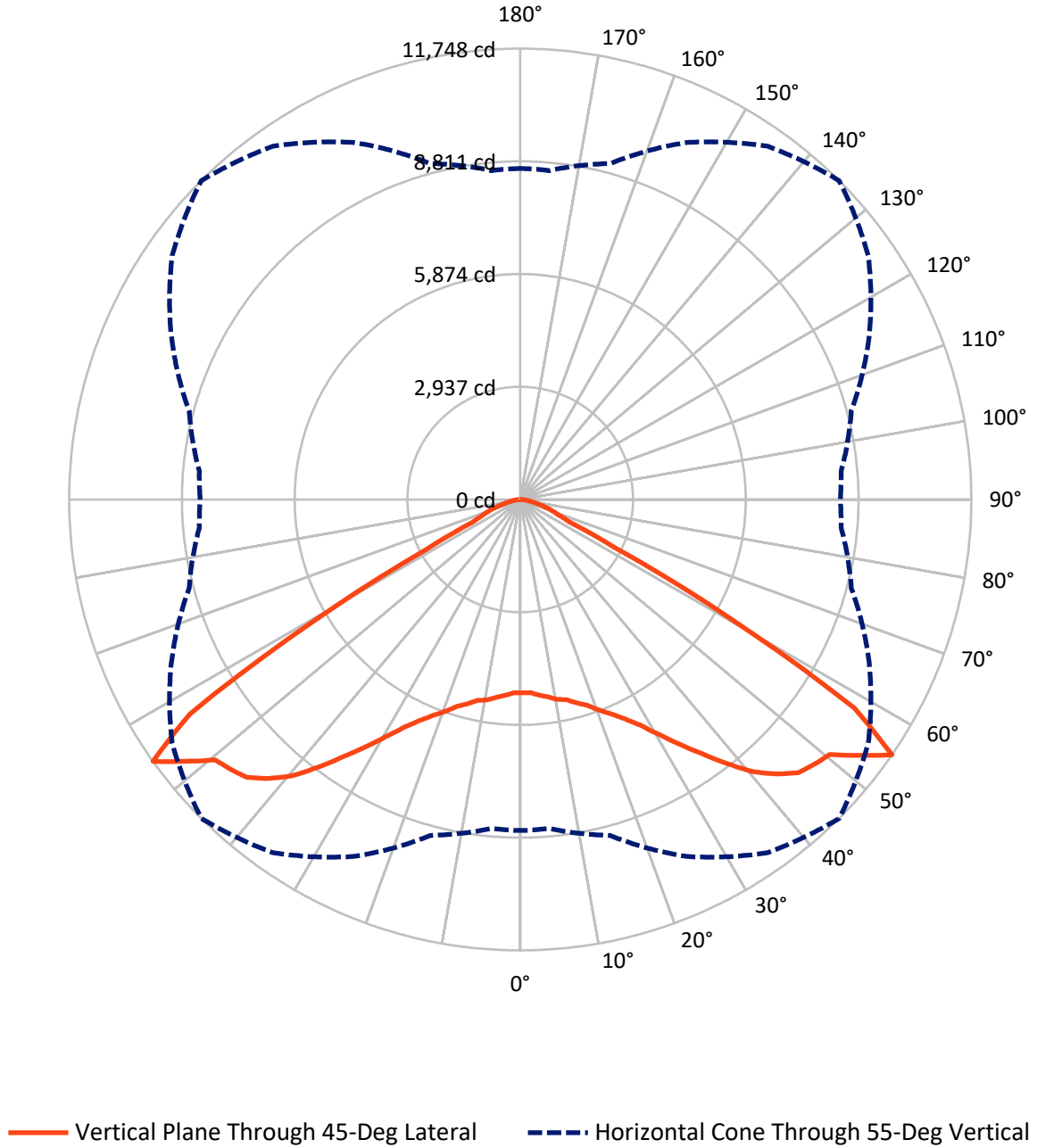
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.1 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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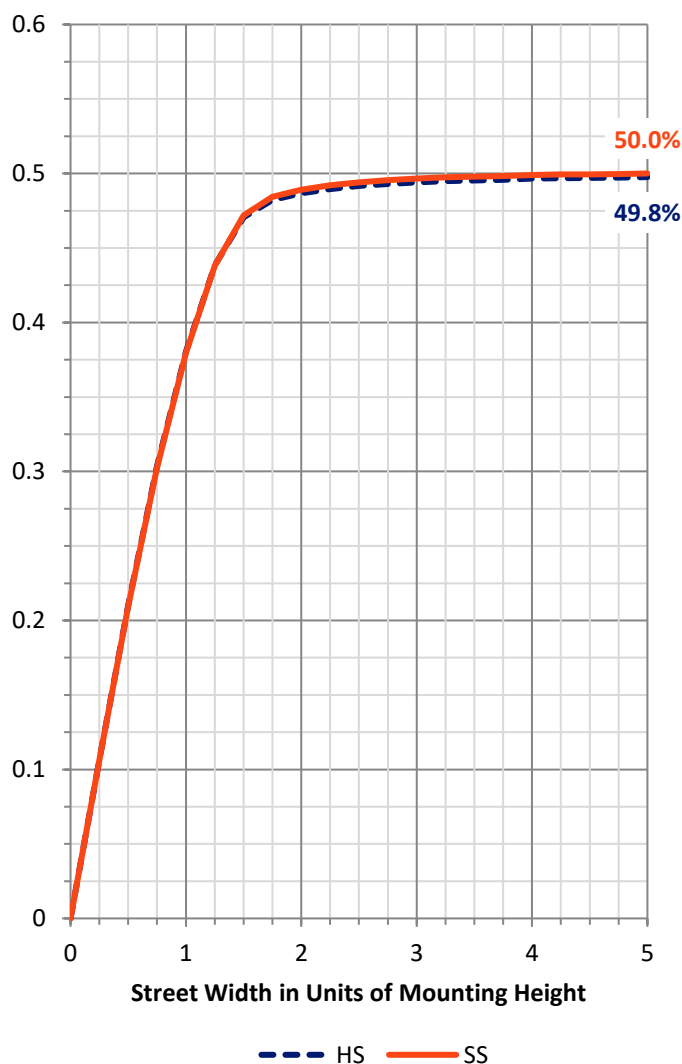
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	13802.5	0.0	13802.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	13802.5	0.0	13802.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	27605.0	0.0	27605.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	492.4	1.8
10°-20°	1560.1	5.7
20°-30°	2909.1	10.5
30°-40°	4870.8	17.6
40°-50°	7579.4	27.5
50°-60°	7869.8	28.5
60°-70°	1668.9	6.0
70°-80°	549.6	2.0
80°-90°	104.7	0.4
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°	27605.0	100.0
0°-180°	27605.0	100.0

Coefficient of Utilization

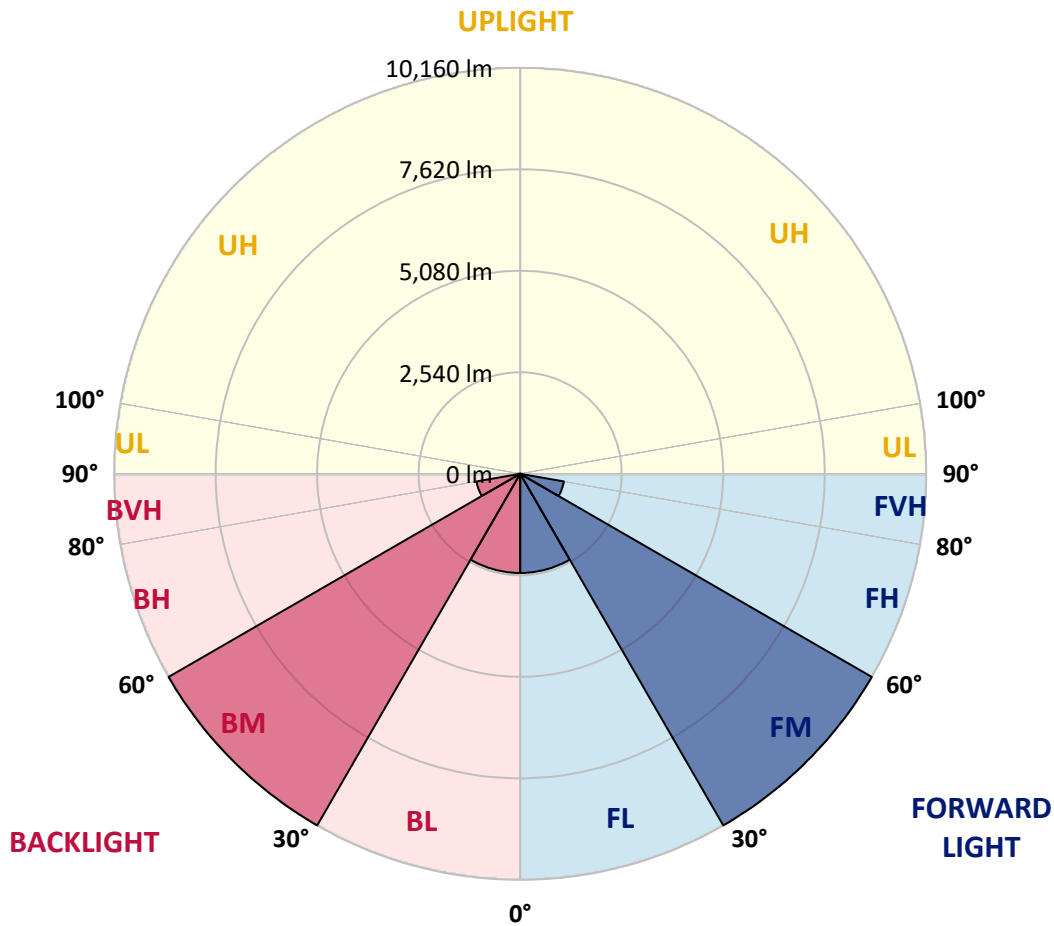


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2480.8	9.0			
FM (30°-60°)	10160.0	36.8			
FH (60°-80°)	1109.3	4.0			G1/1800
FVH (80°-90°)	52.3	0.2			G1/100
BL (0°-30°)	2480.8	9.0	B3/2500		
BM (30°-60°)	10160.0	36.8	B5		
BH (60°-80°)	1109.3	4.0	B3/2500		G1/1800
BVH (80°-90°)	52.3	0.2			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°	5040.3	5040.3	5040.3	5040.3	5040.3	5040.3	5040.3	5040.3	5040.3	5040.3	5040.3
2.5°	5100.3	5077.0	5036.9	5066.9	5090.3	5040.3	5060.3	5070.3	5063.6	5036.9	5046.9
5°	5173.7	5160.3	5127.0	5150.3	5120.3	5120.3	5100.3	5073.6	5113.6	5107.0	5123.7
7.5°	5173.7	5157.0	5223.7	5180.4	5193.7	5193.7	5160.3	5133.7	5153.7	5123.7	5107.0
10°	5277.1	5300.4	5270.4	5280.4	5273.8	5297.1	5247.1	5230.4	5213.7	5203.7	5183.7
12.5°	5400.5	5383.8	5393.8	5387.2	5410.5	5350.5	5320.5	5283.8	5313.8	5270.4	5300.4
15°	5500.6	5490.6	5500.6	5527.3	5503.9	5500.6	5447.2	5410.5	5363.8	5373.8	5327.1
17.5°	5637.4	5627.3	5630.7	5654.0	5650.7	5634.0	5594.0	5523.9	5507.3	5480.6	5450.6
20°	5840.8	5824.2	5817.5	5827.5	5844.2	5857.5	5777.5	5750.8	5694.1	5650.7	5600.7
22.5°	6014.3	6007.6	6034.3	5990.9	6027.6	6067.7	5990.9	5977.6	5837.5	5814.1	5760.8
25°	6254.5	6244.5	6227.8	6291.2	6334.5	6331.2	6257.8	6184.4	6077.7	6051.0	6051.0
27.5°	6508.0	6451.3	6538.0	6554.7	6631.4	6654.7	6591.4	6484.6	6384.6	6327.8	6341.2
30°	6824.9	6771.5	6791.5	6911.6	7011.7	7098.4	6938.3	6781.5	6641.4	6541.3	6524.7
32.5°	7141.8	7088.4	7148.4	7265.2	7465.3	7595.4	7438.6	7165.1	7001.7	6854.9	6884.9
35°	7398.6	7438.6	7535.4	7712.2	7919.0	8129.1	7879.0	7668.8	7435.3	7271.9	7295.2
37.5°	7812.2	7935.7	8012.4	8215.9	8509.4	8726.2	8466.0	8192.5	7942.3	7728.8	7655.5
40°	8352.6	8436.0	8522.7	8762.9	9109.8	9326.7	9079.8	8722.9	8476.0	8255.9	8245.9
42.5°	8946.4	9026.4	9116.5	9410.0	9616.9	9780.3	9553.5	9363.3	9089.8	8916.4	8906.4
45°	9636.9	9580.2	9680.2	9873.7	10047.2	10153.9	10007.1	9913.7	9716.9	9556.8	9540.1
47.5°	10097.2	10047.2	10227.3	10400.8	10427.4	10310.7	10340.7	10427.4	10220.6	9957.1	10040.5
50°	10364.1	10364.1	10484.1	10644.3	10594.2	10444.1	10681.0	10687.6	10480.8	10247.3	10247.3
52.5°	9900.4	10003.8	10344.0	10867.8	11034.5	11077.9	11024.5	10797.7	10257.3	9780.3	9757.0
55°	8626.2	8602.8	9063.1	10264.0	11234.7	11748.4	11067.9	10023.8	8926.4	8389.3	8335.9
57.5°	5610.7	5637.4	6324.5	7548.7	9300.0	10257.3	9109.8	7642.1	6324.5	5584.0	5654.0
60°	2525.1	2615.2	3032.2	3946.1	5450.6	6231.1	5463.9	4146.3	3182.3	2762.0	2798.7
62.5°	1451.0	1467.7	1484.4	1761.3	2321.7	2745.3	2411.7	1861.3	1641.2	1567.8	1567.8
65°	1224.2	1214.2	1217.5	1240.9	1300.9	1387.7	1351.0	1300.9	1307.6	1300.9	1290.9
67.5°	1040.7	1054.1	1044.1	1060.8	1064.1	1077.4	1100.8	1120.8	1124.1	1130.8	1124.1
70°	853.9	857.3	863.9	877.3	880.6	890.6	924.0	940.7	950.7	950.7	964.0
72.5°	653.8	650.5	657.1	670.5	687.2	690.5	720.5	743.9	757.2	740.5	743.9
75°	430.3	433.6	443.6	453.7	477.0	500.4	510.4	533.7	537.0	543.7	527.0
77.5°	256.8	263.5	273.5	293.5	313.6	333.6	356.9	373.6	380.3	373.6	353.6
80°	166.8	166.8	180.1	196.8	220.2	236.8	250.2	263.5	273.5	263.5	256.8
82.5°	103.4	103.4	120.1	140.1	156.8	166.8	186.8	203.5	213.5	206.8	196.8
85°	53.4	56.7	70.0	86.7	100.1	106.7	103.4	93.4	83.4	80.1	73.4
87.5°	16.7	16.7	20.0	20.0	16.7	16.7	20.0	16.7	20.0	20.0	20.0
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)