

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: P531110

Luminaire Tested: **GALN-SA6B-827-U-5NQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P531110
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-SA6B-827-U-5NQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 80 CRI, 2700K, 800mA 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: 22342 lumens
Efficiency: N/A
Efficacy: 91.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

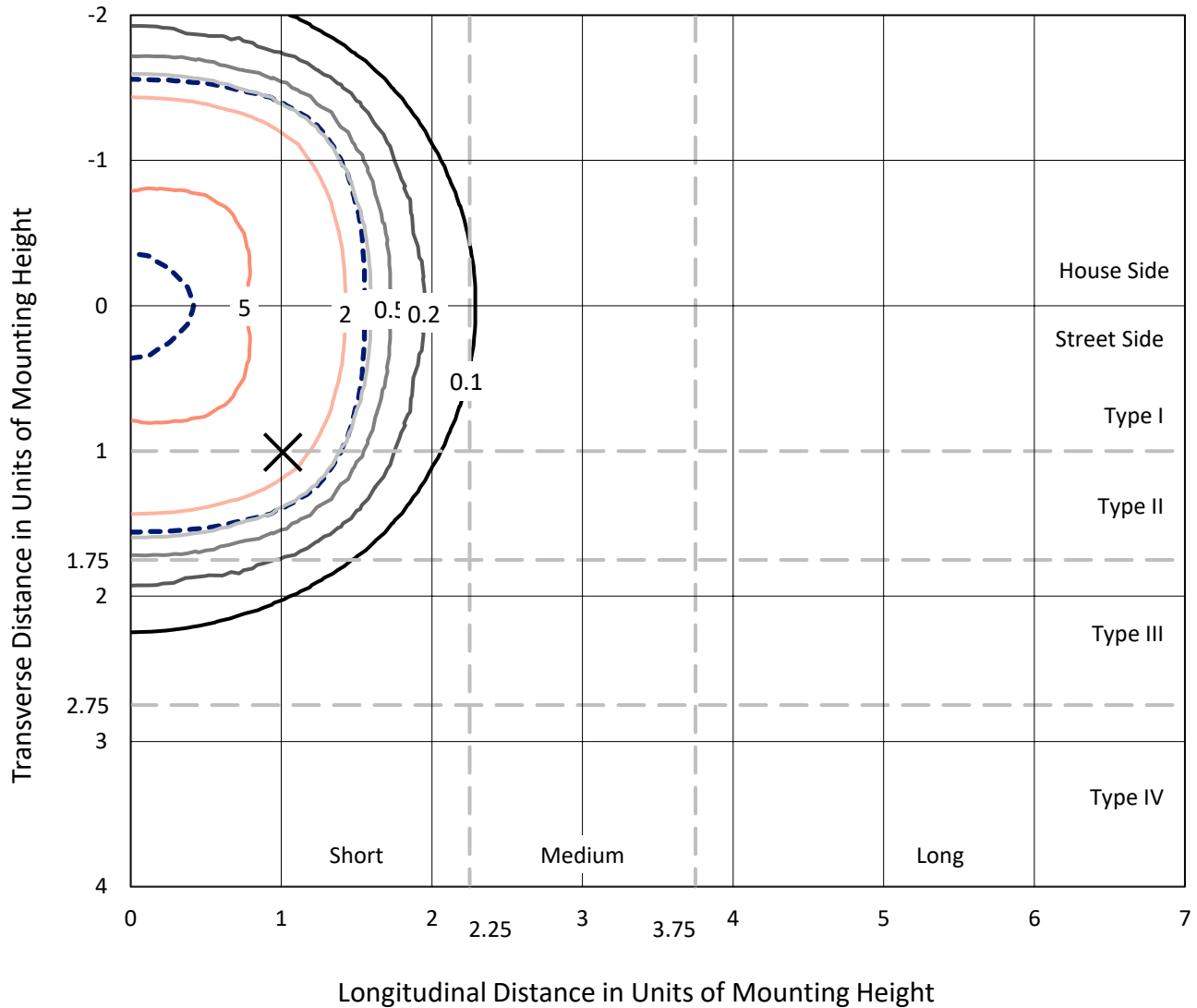
Input Watts (W): 243
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

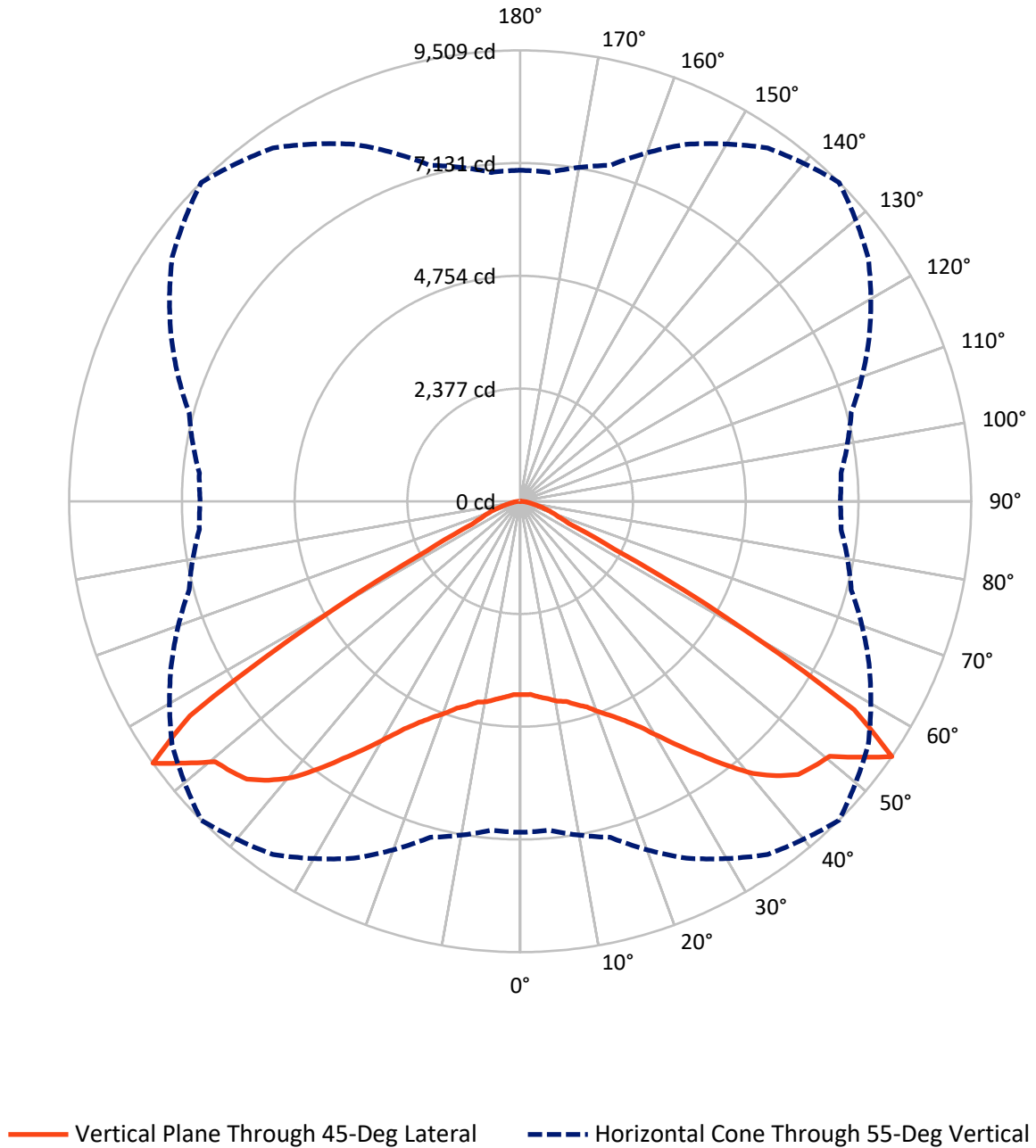
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.6 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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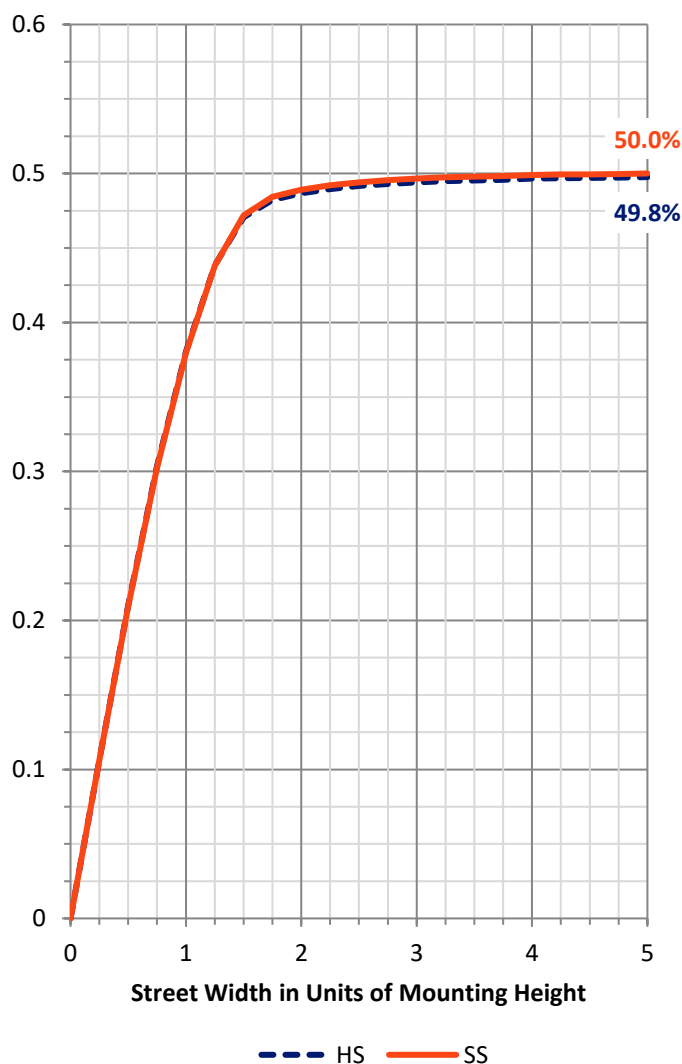
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	11171.0	0.0	11171.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	11171.0	0.0	11171.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	22342.0	0.0	22342.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	398.5	1.8
10°-20°	1262.7	5.7
20°-30°	2354.5	10.5
30°-40°	3942.2	17.6
40°-50°	6134.4	27.5
50°-60°	6369.4	28.5
60°-70°	1350.7	6.0
70°-80°	444.9	2.0
80°-90°	84.7	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°	22342.0	100.0
0°-180°	22342.0	100.0

Coefficient of Utilization

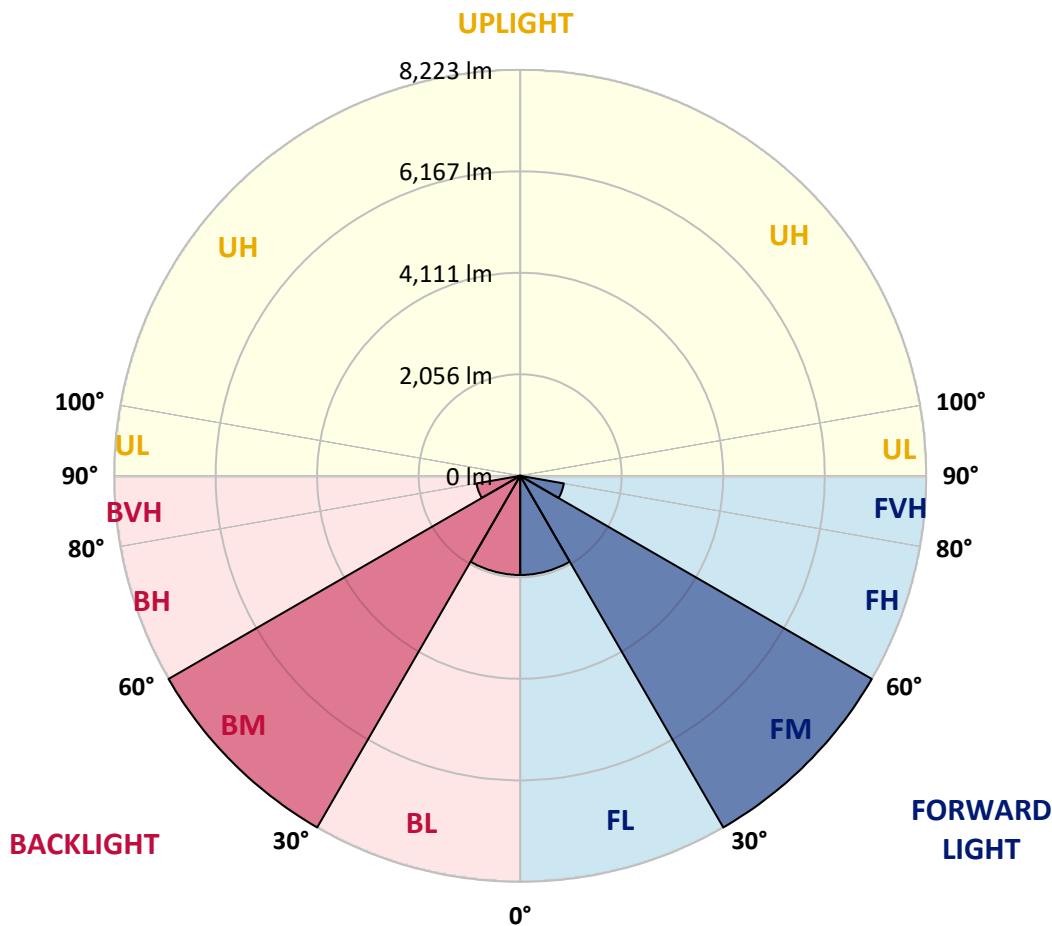


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2007.9	9.0			
FM (30°-60°)	8223.0	36.8			
FH (60°-80°)	897.8	4.0			G1/1800
FVH (80°-90°)	42.4	0.2			G1/100
BL (0°-30°)	2007.9	9.0	B3/2500		
BM (30°-60°)	8223.0	36.8	B4/8500		
BH (60°-80°)	897.8	4.0	B2/1000		G1/1800
BVH (80°-90°)	42.4	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G1
 Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4079.3	4079.3	4079.3	4079.3	4079.3	4079.3	4079.3	4079.3	4079.3	4079.3	4079.3
2.5°	4127.9	4109.0	4076.6	4100.9	4119.8	4079.3	4095.5	4103.6	4098.2	4076.6	4084.7
5°	4187.3	4176.5	4149.5	4168.4	4144.1	4144.1	4127.9	4106.3	4138.7	4133.3	4146.8
7.5°	4187.3	4173.8	4227.8	4192.7	4203.5	4203.5	4176.5	4154.9	4171.1	4146.8	4133.3
10°	4271.0	4289.9	4265.6	4273.7	4268.3	4287.2	4246.7	4233.2	4219.7	4211.6	4195.4
12.5°	4370.9	4357.4	4365.5	4360.1	4379.0	4330.4	4306.1	4276.4	4300.7	4265.6	4289.9
15°	4451.9	4443.8	4451.9	4473.5	4454.6	4451.9	4408.7	4379.0	4341.2	4349.3	4311.5
17.5°	4562.6	4554.5	4557.2	4576.1	4573.4	4559.9	4527.5	4470.8	4457.3	4435.7	4411.4
20°	4727.3	4713.8	4708.4	4716.5	4730.0	4740.8	4676.0	4654.4	4608.5	4573.4	4532.9
22.5°	4867.6	4862.2	4883.8	4848.7	4878.4	4910.8	4848.7	4837.9	4724.6	4705.7	4662.5
25°	5062.0	5053.9	5040.4	5091.7	5126.8	5124.1	5064.7	5005.3	4918.9	4897.3	4897.3
27.5°	5267.2	5221.3	5291.5	5305.0	5367.1	5386.0	5334.7	5248.3	5167.3	5121.4	5132.2
30°	5523.7	5480.5	5496.7	5593.9	5674.9	5745.1	5615.5	5488.6	5375.2	5294.2	5280.7
32.5°	5780.2	5737.0	5785.6	5880.0	6042.0	6147.3	6020.4	5799.1	5666.8	5548.0	5572.3
35°	5988.0	6020.4	6098.7	6241.8	6409.2	6579.3	6376.8	6206.7	6017.7	5885.4	5904.3
37.5°	6322.8	6422.7	6484.8	6649.5	6887.1	7062.5	6852.0	6630.6	6428.1	6255.3	6195.9
40°	6760.2	6827.7	6897.9	7092.2	7373.0	7548.5	7348.7	7059.8	6860.1	6681.9	6673.8
42.5°	7240.7	7305.5	7378.4	7616.0	7783.4	7915.7	7732.1	7578.2	7356.8	7216.4	7208.3
45°	7799.6	7753.7	7834.7	7991.2	8131.6	8218.0	8099.2	8023.6	7864.4	7734.8	7721.3
47.5°	8172.1	8131.6	8277.4	8417.8	8439.4	8344.9	8369.2	8439.4	8272.0	8058.7	8126.2
50°	8388.1	8388.1	8485.3	8614.9	8574.4	8452.9	8644.6	8650.0	8482.6	8293.6	8293.6
52.5°	8012.8	8096.5	8371.9	8795.8	8930.8	8965.9	8922.7	8739.1	8301.7	7915.7	7896.8
55°	6981.5	6962.6	7335.2	8307.1	9092.7	9508.5	8957.8	8112.7	7224.5	6789.9	6746.7
57.5°	4541.0	4562.6	5118.7	6109.5	7526.9	8301.7	7373.0	6185.1	5118.7	4519.4	4576.1
60°	2043.7	2116.6	2454.1	3193.8	4411.4	5043.1	4422.2	3355.8	2575.6	2235.4	2265.1
62.5°	1174.4	1187.9	1201.4	1425.5	1879.0	2221.9	1951.9	1506.5	1328.3	1268.9	1268.9
65°	990.8	982.7	985.4	1004.3	1052.9	1123.1	1093.4	1052.9	1058.3	1052.9	1044.8
67.5°	842.3	853.1	845.0	858.5	861.2	872.0	890.9	907.1	909.8	915.2	909.8
70°	691.1	693.8	699.2	710.0	712.7	720.8	747.8	761.3	769.4	769.4	780.2
72.5°	529.2	526.5	531.8	542.6	556.1	558.8	583.1	602.0	612.8	599.3	602.0
75°	348.3	351.0	359.1	367.2	386.1	405.0	413.1	432.0	434.7	440.1	426.6
77.5°	207.9	213.3	221.4	237.6	253.8	270.0	288.9	302.4	307.8	302.4	286.2
80°	135.0	135.0	145.8	159.3	178.2	191.7	202.5	213.3	221.4	213.3	207.9
82.5°	83.7	83.7	97.2	113.4	126.9	135.0	151.2	164.7	172.8	167.4	159.3
85°	43.2	45.9	56.7	70.2	81.0	86.4	83.7	75.6	67.5	64.8	59.4
87.5°	13.5	13.5	16.2	16.2	13.5	13.5	16.2	13.5	16.2	16.2	16.2
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)