

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: P652430

Luminaire Tested: **GALN-SA6B-840-U-5WQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P652430
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-2)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA6B-840-U-5WQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 80 CRI, 4000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 24074.5 lumens
Efficiency: N/A
Efficacy: 99.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

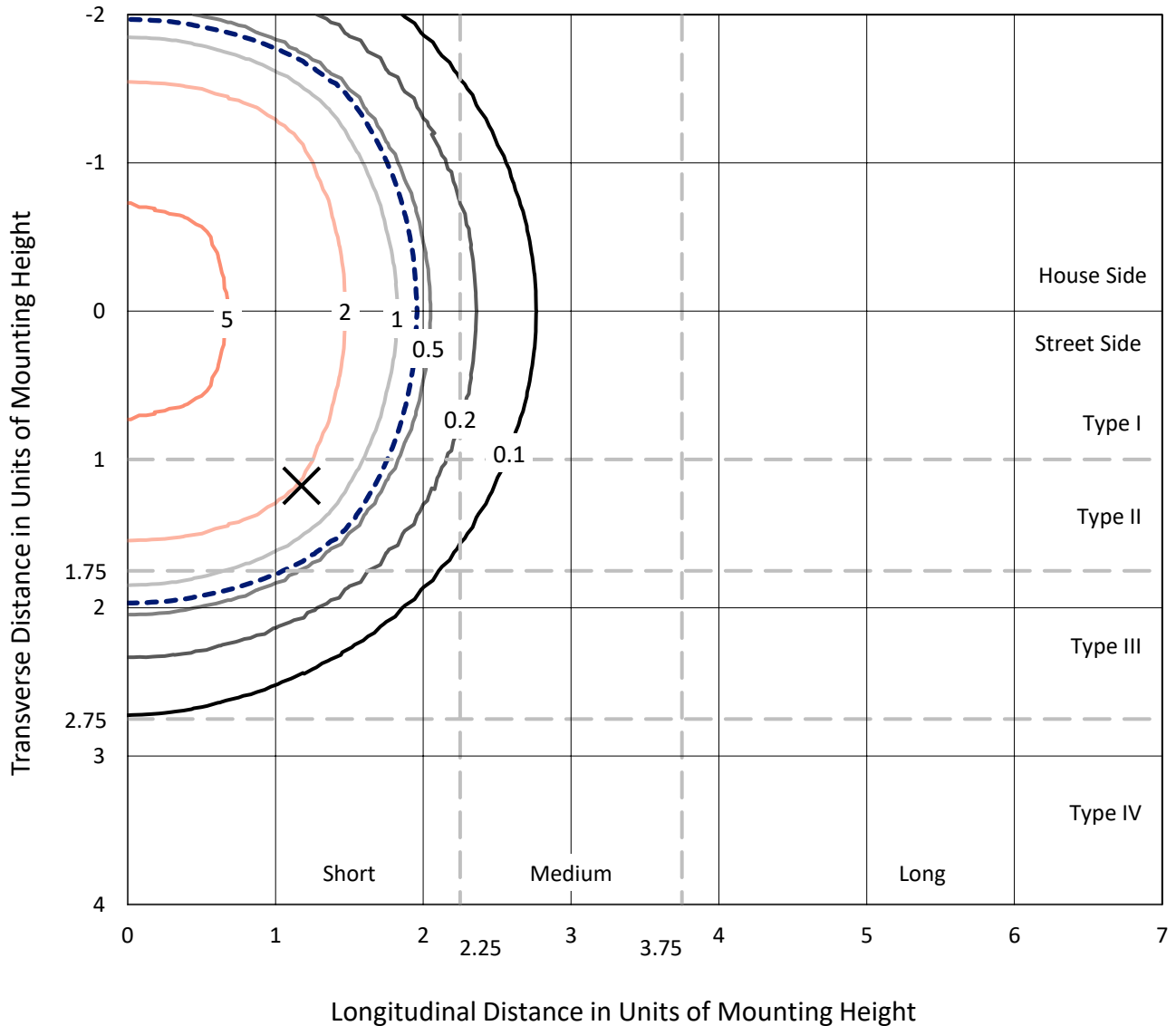
Input Watts (W): 243
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

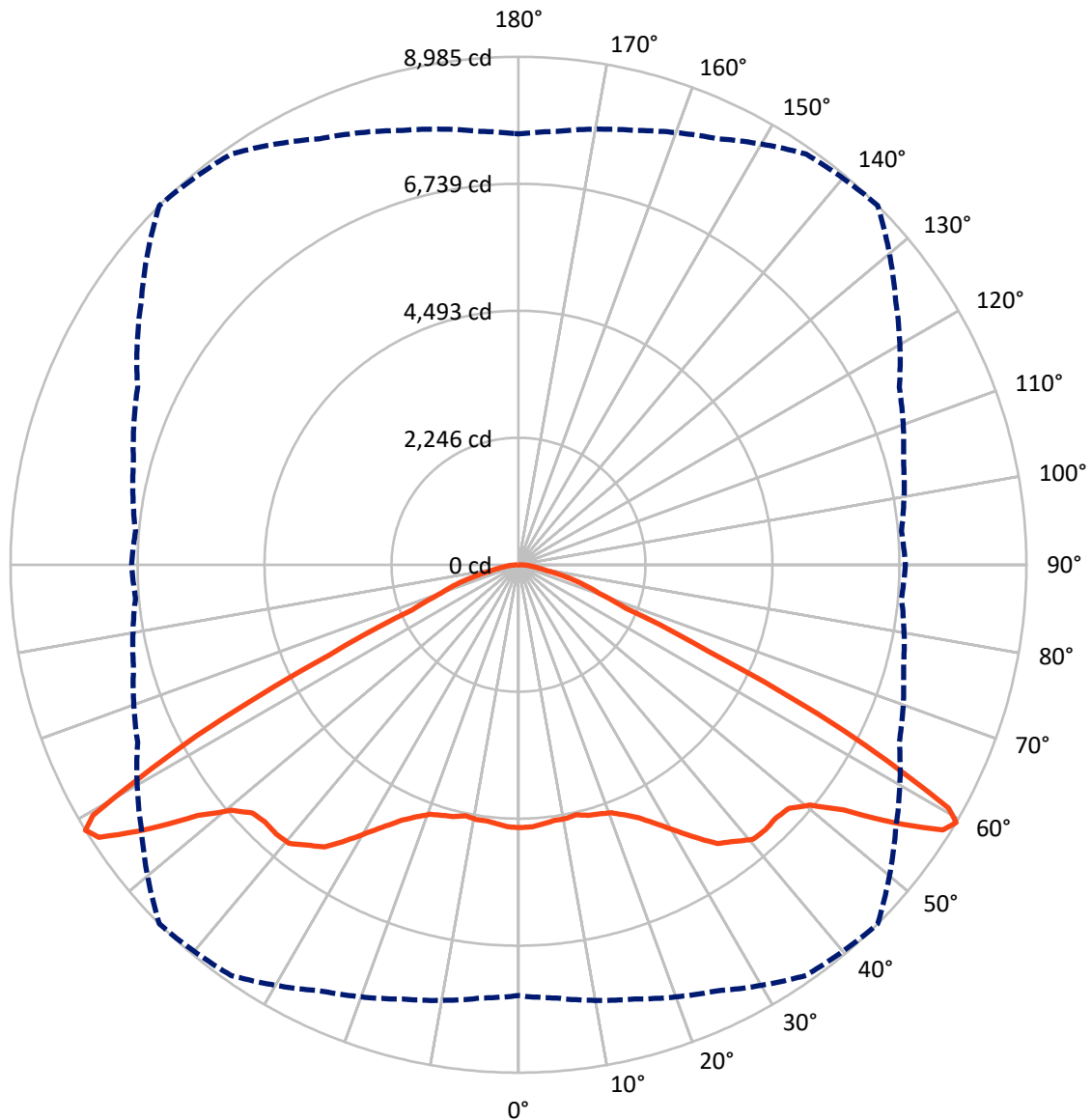
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.4 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 59-Deg Vertical

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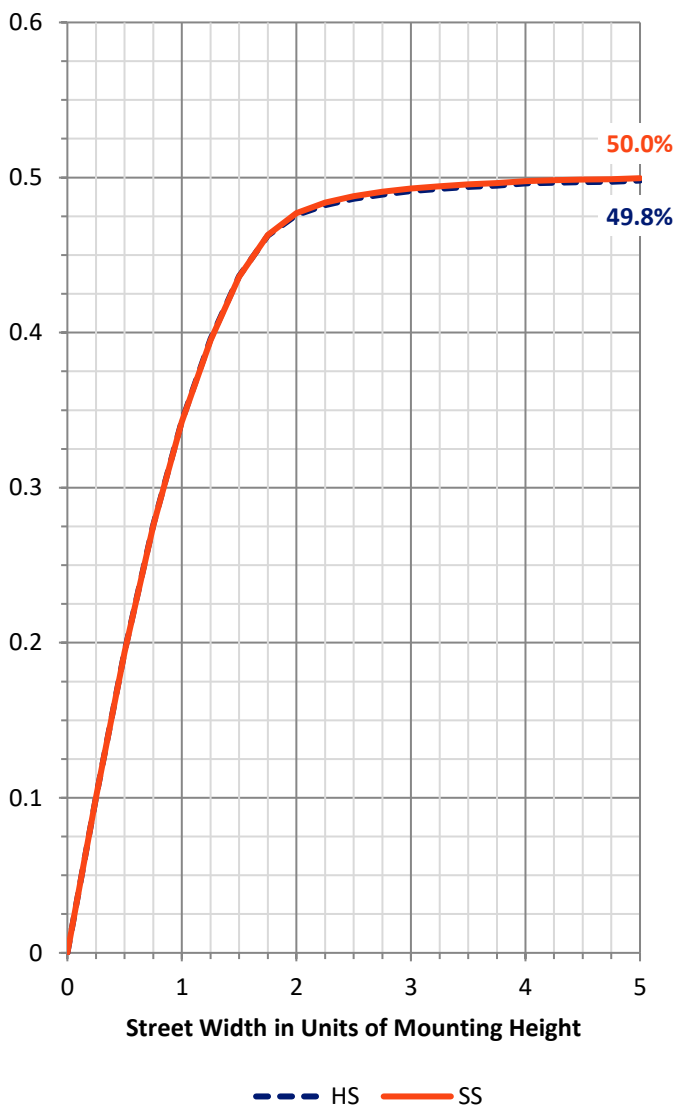
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	12037.2	0.0	12037.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	12037.2	0.0	12037.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	24074.5	0.0	24074.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	438.4	1.8
10°-20°	1303.6	5.4
20°-30°	2276.2	9.5
30°-40°	3635.4	15.1
40°-50°	4952.1	20.6
50°-60°	6696.6	27.8
60°-70°	3672.4	15.3
70°-80°	939.5	3.9
80°-90°	160.3	0.7
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°	24074.5	100.0
0°-180°	24074.5	100.0

Coefficient of Utilization



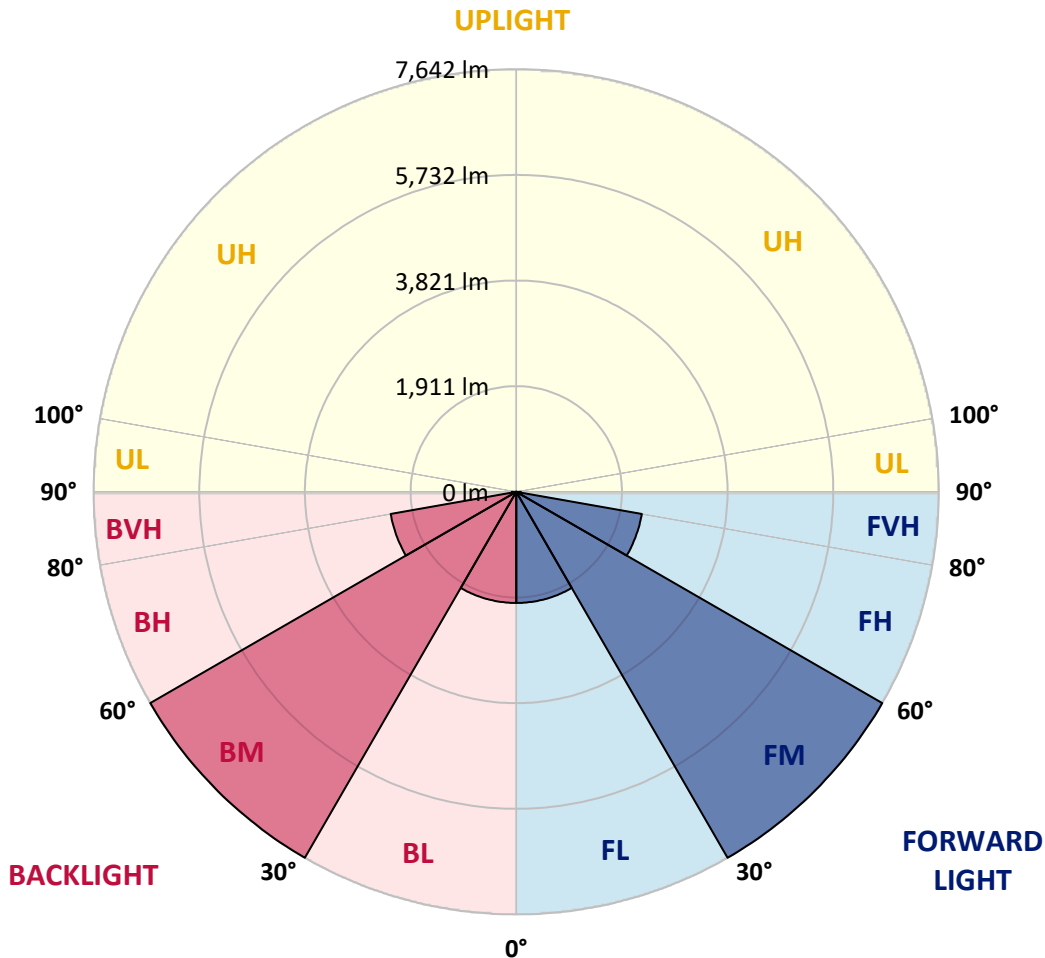
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2009.1	8.3			
FM (30°-60°)	7642.1	31.7			
FH (60°-80°)	2306.0	9.6			G2/5000
FVH (80°-90°)	80.1	0.3			G1/100
BL (0°-30°)	2009.1	8.3	B3/2500		
BM (30°-60°)	7642.1	31.7	B4/8500		
BH (60°-80°)	2306.0	9.6	B3/2500		G2/5000
BVH (80°-90°)	80.1	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4650.1	4650.1	4650.1	4650.1	4650.1	4650.1	4650.1	4650.1	4650.1	4650.1	4650.1
2.5°	4622.3	4656.2	4631.6	4653.1	4650.1	4640.8	4625.3	4616.1	4603.7	4622.3	4591.4
5°	4603.7	4631.6	4659.3	4622.3	4622.3	4603.7	4594.5	4576.0	4576.0	4572.9	4569.8
7.5°	4634.6	4606.8	4594.5	4600.7	4606.8	4566.7	4594.5	4557.5	4526.6	4548.2	4572.9
10°	4606.8	4619.2	4572.9	4594.5	4560.6	4566.7	4548.2	4572.9	4539.0	4539.0	4539.0
12.5°	4634.6	4600.7	4616.1	4600.7	4591.4	4539.0	4563.6	4535.8	4532.8	4563.6	4535.8
15°	4690.2	4634.6	4622.3	4591.4	4600.7	4600.7	4576.0	4579.1	4545.1	4563.6	4569.8
17.5°	4671.7	4640.8	4631.6	4594.5	4625.3	4634.6	4588.3	4557.5	4579.1	4576.0	4572.9
20°	4687.1	4699.4	4690.2	4696.3	4708.7	4683.9	4640.8	4597.6	4569.8	4609.9	4606.8
22.5°	4785.8	4773.4	4767.3	4761.2	4782.7	4807.4	4748.8	4680.9	4680.9	4708.7	4721.0
25°	4866.0	4862.9	4859.9	4887.6	4961.6	4961.6	4887.6	4801.3	4779.7	4798.2	4782.7
27.5°	4983.3	5017.2	5004.9	5054.2	5162.2	5187.0	5088.2	4986.4	4927.8	4906.1	4933.9
30°	5251.7	5211.6	5220.8	5273.3	5368.9	5449.2	5298.0	5190.0	5109.8	5106.7	5119.1
32.5°	5430.7	5461.5	5489.3	5538.7	5689.9	5751.6	5569.5	5393.7	5344.3	5316.5	5325.8
35°	5788.6	5760.8	5754.7	5804.1	5955.3	6057.1	5828.7	5674.5	5609.6	5671.4	5671.4
37.5°	6128.0	6050.9	5992.3	6057.1	6195.9	6208.3	6013.9	5930.6	5896.6	5967.6	5964.5
40°	6288.5	6282.4	6146.5	6183.6	6368.7	6387.2	6205.2	6106.4	6100.3	6192.9	6285.4
42.5°	6455.1	6396.5	6260.7	6285.4	6399.6	6405.7	6233.0	6205.2	6273.1	6362.6	6368.7
45°	6482.9	6433.6	6347.1	6285.4	6368.7	6387.2	6285.4	6304.0	6310.1	6418.1	6418.1
47.5°	6538.4	6532.3	6482.9	6436.6	6452.1	6436.6	6371.8	6399.6	6492.2	6544.6	6519.9
50°	6692.7	6627.9	6677.3	6637.2	6640.3	6683.4	6624.8	6652.6	6634.1	6587.8	6556.9
52.5°	7032.1	7001.2	7044.5	7072.2	7103.1	7201.8	7134.0	6985.9	6847.0	6723.5	6720.5
55°	7528.9	7550.5	7633.8	7775.8	7896.1	8053.5	7726.4	7371.5	7149.4	6955.0	6967.3
57.5°	7997.9	7982.5	8096.6	8420.7	8772.5	8852.6	8210.9	7704.8	7343.8	7220.3	7167.9
59°	7621.5	7695.6	7954.8	8315.7	8868.1	8985.3	8146.0	7433.3	7050.7	6800.7	6843.9
60°	7029.1	7056.8	7288.3	7791.2	8537.9	8738.5	7711.0	7013.6	6504.5	6359.5	6424.2
62.5°	4967.9	4946.3	5112.9	5523.3	6192.9	6464.3	5733.1	5242.5	4921.5	4761.2	4798.2
65°	2641.3	2740.1	2807.9	3064.0	3418.8	3705.9	3403.4	3190.5	3011.5	2878.9	2875.8
67.5°	1783.5	1771.1	1786.5	1845.2	1965.5	2045.7	2039.6	1931.6	1916.1	1891.5	1919.2
70°	1502.7	1496.6	1468.7	1468.7	1493.4	1511.9	1533.6	1545.9	1570.6	1601.4	1598.3
72.5°	1218.9	1203.4	1184.9	1175.6	1206.5	1215.7	1243.5	1255.9	1277.5	1274.4	1302.1
75°	805.3	805.3	827.0	851.6	860.8	879.4	882.5	919.5	919.5	925.7	901.0
77.5°	450.5	438.2	453.6	478.3	499.9	533.8	567.8	595.5	611.0	604.8	604.8
80°	262.3	262.3	277.7	305.5	333.3	364.1	388.8	410.4	425.8	419.7	407.3
82.5°	163.6	163.6	179.0	206.7	228.3	246.8	280.8	308.6	327.1	320.9	305.5
85°	83.3	83.3	101.8	120.3	148.1	160.5	157.4	145.0	142.0	126.5	126.5
87.5°	21.6	21.6	30.9	34.0	27.8	30.9	30.9	30.9	30.9	30.9	34.0
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)