

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: P530046

Luminaire Tested: **GALN-SA5B-730-U-5WQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P530046
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-SA5B-730-U-5WQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(5) 70 CRI, 3000K, 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: 22017 lumens
Efficiency: N/A
Efficacy: 107.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

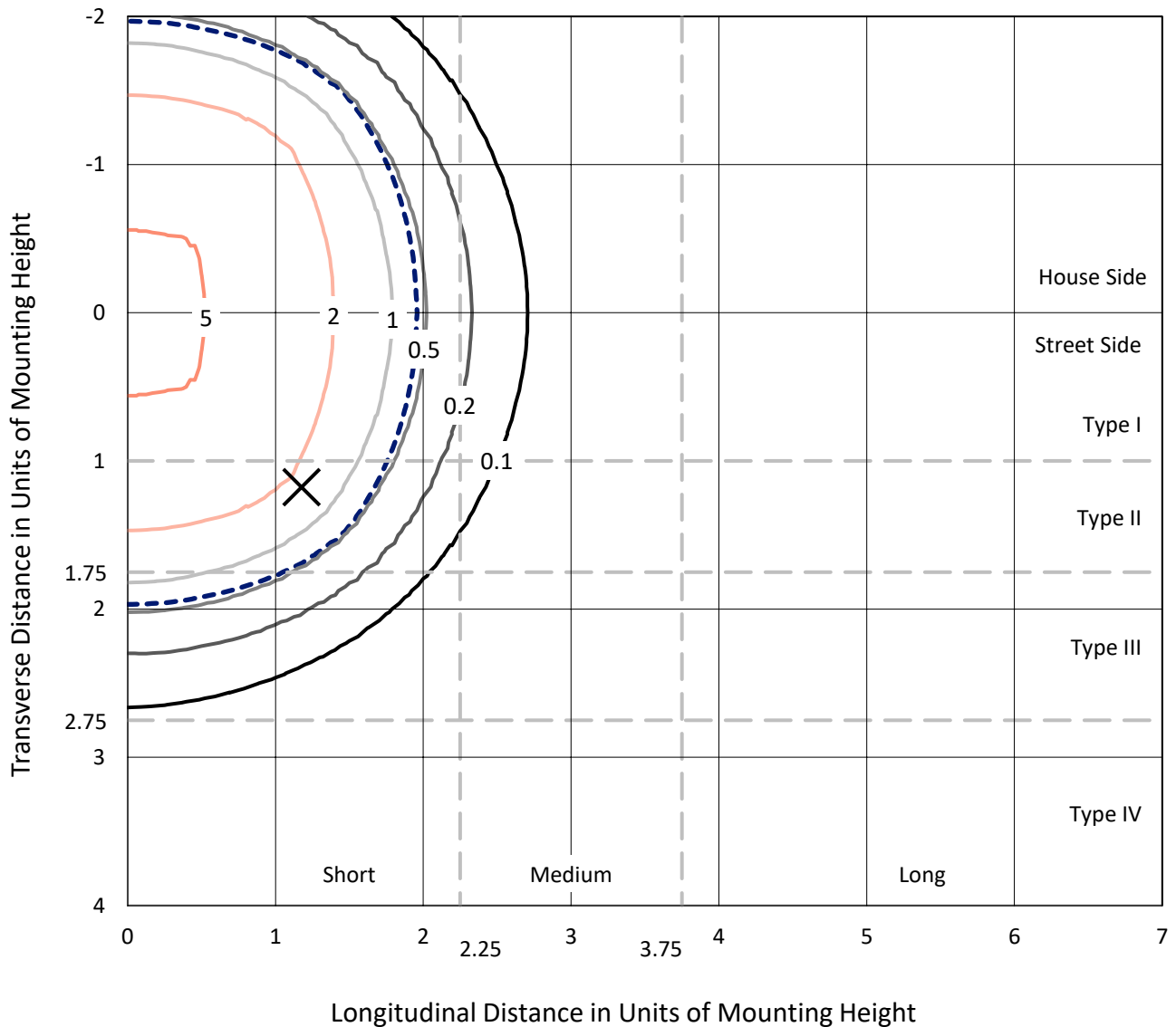
Input Watts (W): 204
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

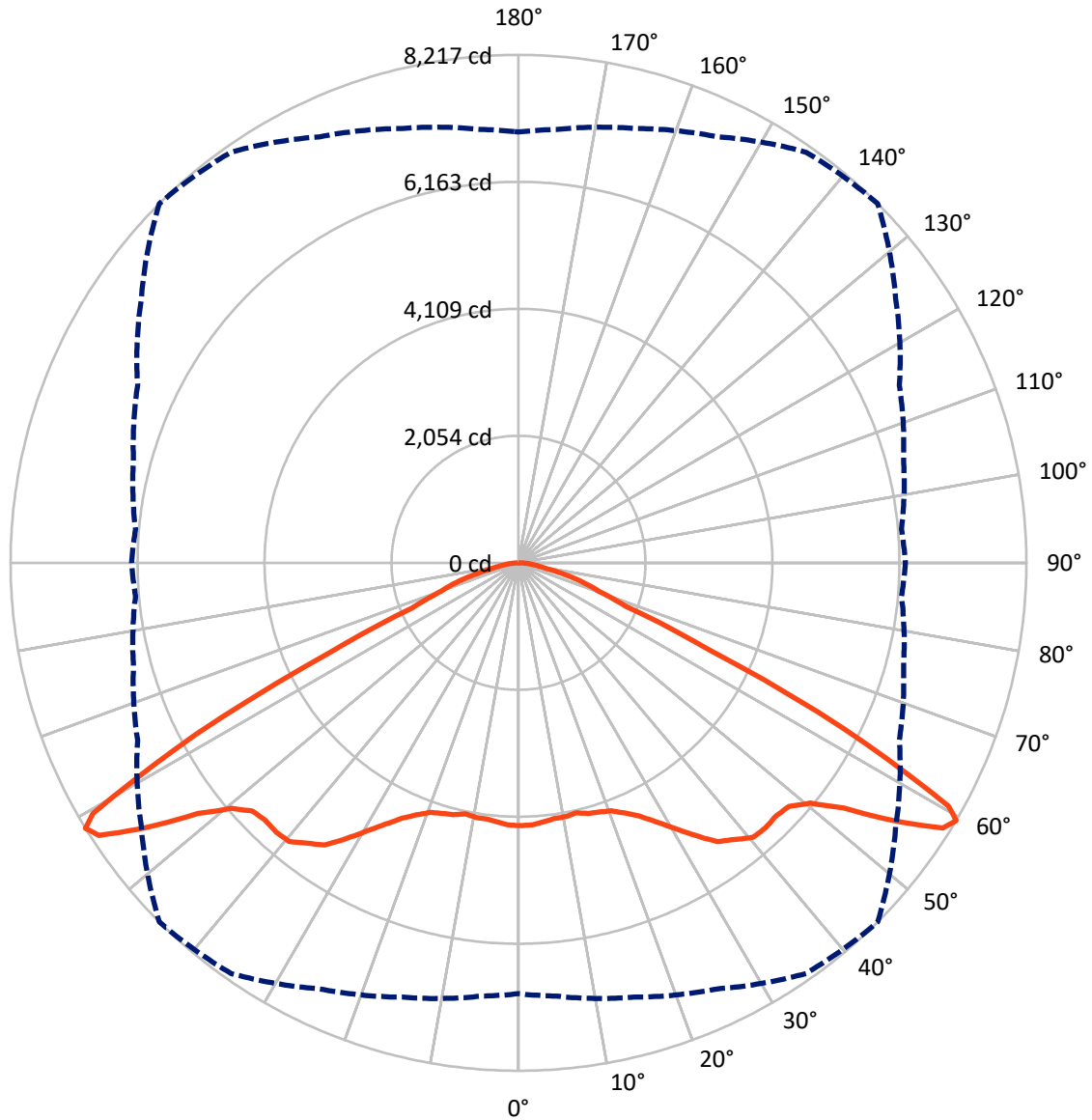
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.8 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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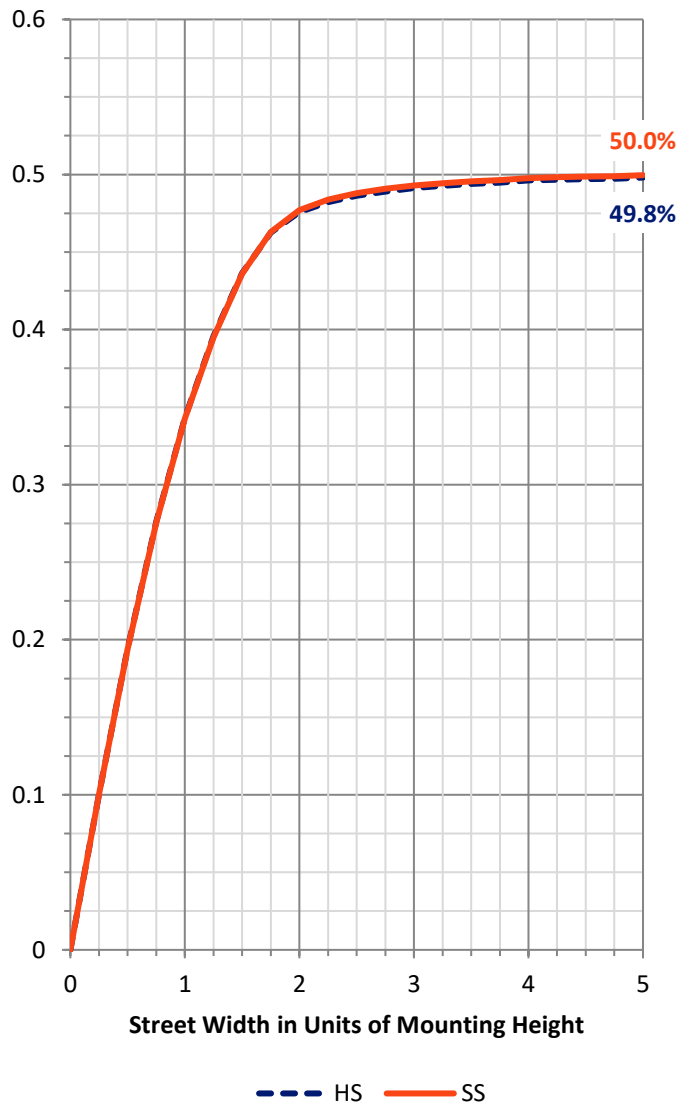
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	11008.5	0.0	11008.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	11008.5	0.0	11008.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	22017.0	0.0	22017.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	400.9	1.8
10°-20°	1192.2	5.4
20°-30°	2081.7	9.5
30°-40°	3324.7	15.1
40°-50°	4528.9	20.6
50°-60°	6124.3	27.8
60°-70°	3358.6	15.3
70°-80°	859.2	3.9
80°-90°	146.5	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°	22017.0	100.0
0°-180°	22017.0	100.0

Coefficient of Utilization



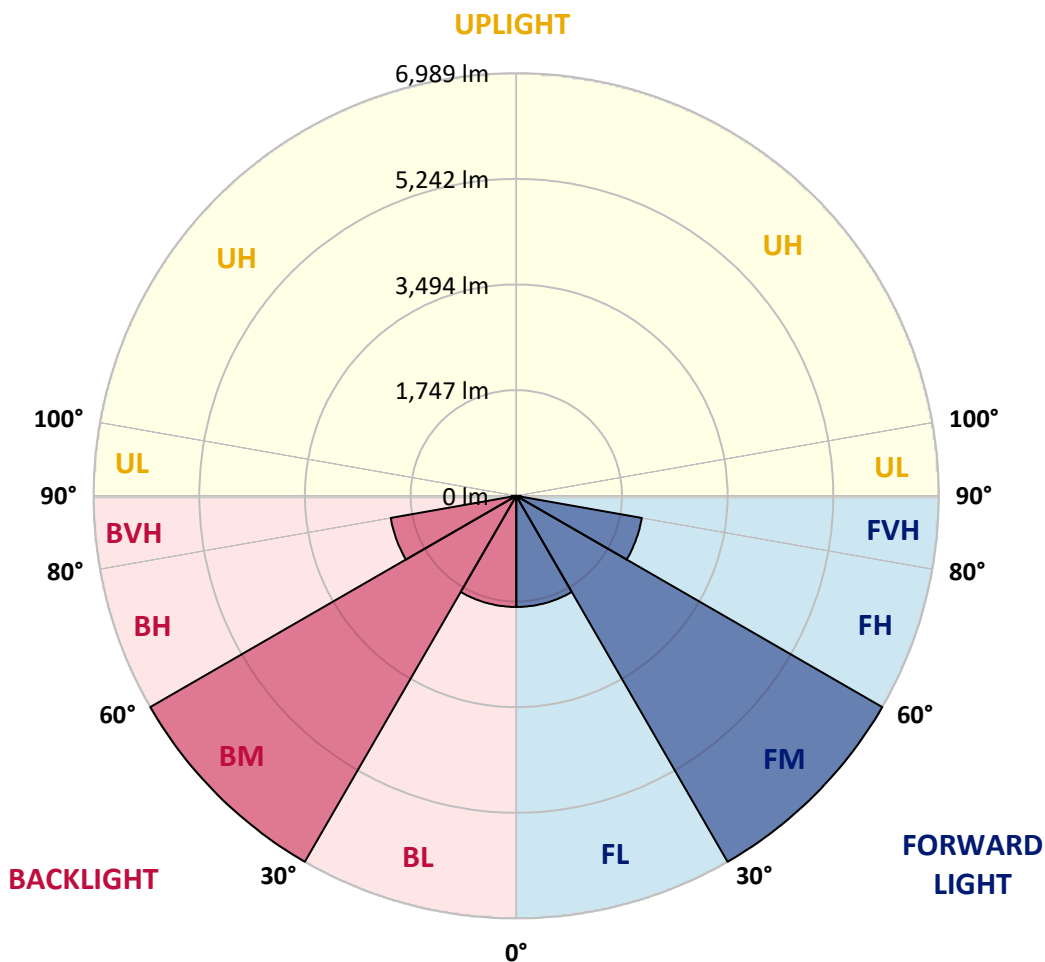
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1837.4	8.3			
FM (30°-60°)	6989.0	31.7			
FH (60°-80°)	2108.9	9.6			G2/5000
FVH (80°-90°)	73.3	0.3			G1/100
BL (0°-30°)	1837.4	8.3	B3/2500		
BM (30°-60°)	6989.0	31.7	B4/8500		
BH (60°-80°)	2108.9	9.6	B3/2500		G2/5000
BVH (80°-90°)	73.3	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°	4252.6	4252.6	4252.6	4252.6	4252.6	4252.6	4252.6	4252.6	4252.6	4252.6	4252.6
2.5°	4227.2	4258.3	4235.7	4255.5	4252.6	4244.2	4230.1	4221.6	4210.3	4227.2	4199.0
5°	4210.3	4235.7	4261.1	4227.2	4227.2	4210.3	4201.8	4184.9	4184.9	4182.1	4179.3
7.5°	4238.5	4213.1	4201.8	4207.5	4213.1	4176.4	4201.8	4168.0	4139.8	4159.5	4182.1
10°	4213.1	4224.4	4182.1	4201.8	4170.8	4176.4	4159.5	4182.1	4151.0	4151.0	4151.0
12.5°	4238.5	4207.5	4221.6	4207.5	4199.0	4151.0	4173.6	4148.2	4145.4	4173.6	4148.2
15°	4289.3	4238.5	4227.2	4199.0	4207.5	4207.5	4184.9	4187.7	4156.7	4173.6	4179.3
17.5°	4272.4	4244.2	4235.7	4201.8	4230.1	4238.5	4196.2	4168.0	4187.7	4184.9	4182.1
20°	4286.5	4297.8	4289.3	4295.0	4306.2	4283.7	4244.2	4204.7	4179.3	4215.9	4213.1
22.5°	4376.8	4365.5	4359.9	4354.2	4374.0	4396.5	4342.9	4280.9	4280.9	4306.2	4317.5
25°	4450.2	4447.3	4444.5	4469.9	4537.6	4537.6	4469.9	4390.9	4371.2	4388.1	4374.0
27.5°	4557.4	4588.4	4577.2	4622.3	4721.1	4743.6	4653.3	4560.2	4506.6	4486.9	4512.2
30°	4802.9	4766.2	4774.7	4822.7	4910.1	4983.5	4845.2	4746.5	4673.1	4670.3	4681.6
32.5°	4966.6	4994.8	5020.2	5065.3	5203.6	5260.1	5093.6	4932.7	4887.6	4862.2	4870.6
35°	5293.9	5268.5	5262.9	5308.0	5446.3	5539.4	5330.6	5189.5	5130.2	5186.7	5186.7
37.5°	5604.3	5533.8	5480.2	5539.4	5666.4	5677.7	5499.9	5423.7	5392.7	5457.6	5454.8
40°	5751.1	5745.4	5621.3	5655.1	5824.4	5841.4	5674.9	5584.6	5578.9	5663.6	5748.2
42.5°	5903.5	5849.8	5725.7	5748.2	5852.7	5858.3	5700.3	5674.9	5737.0	5818.8	5824.4
45°	5928.9	5883.7	5804.7	5748.2	5824.4	5841.4	5748.2	5765.2	5770.8	5869.6	5869.6
47.5°	5979.6	5974.0	5928.9	5886.5	5900.6	5886.5	5827.3	5852.7	5937.3	5985.3	5962.7
50°	6120.7	6061.5	6106.6	6069.9	6072.8	6112.3	6058.7	6084.1	6067.1	6024.8	5996.6
52.5°	6431.2	6402.9	6442.4	6467.8	6496.1	6586.4	6524.3	6388.8	6261.8	6149.0	6146.1
55°	6885.5	6905.2	6981.4	7111.2	7221.3	7365.2	7066.1	6741.6	6538.4	6360.6	6371.9
57.5°	7314.4	7300.3	7404.7	7701.0	8022.7	8096.1	7509.1	7046.3	6716.2	6603.3	6555.3
59°	6970.1	7037.9	7274.9	7605.1	8110.2	8217.4	7449.9	6798.0	6448.1	6219.5	6259.0
60°	6428.3	6453.7	6665.4	7125.3	7808.2	7991.7	7052.0	6414.2	5948.6	5816.0	5875.2
62.5°	4543.3	4523.5	4675.9	5051.2	5663.6	5911.9	5243.1	4794.4	4501.0	4354.2	4388.1
65°	2415.6	2505.9	2567.9	2802.2	3126.7	3389.1	3112.6	2917.9	2754.2	2632.9	2630.0
67.5°	1631.1	1619.8	1633.9	1687.5	1797.6	1870.9	1865.3	1766.5	1752.4	1729.8	1755.2
70°	1374.3	1368.6	1343.2	1343.2	1365.8	1382.7	1402.5	1413.8	1436.4	1464.6	1461.8
72.5°	1114.7	1100.5	1083.6	1075.2	1103.4	1111.8	1137.2	1148.5	1168.3	1165.5	1190.8
75°	736.5	736.5	756.3	778.8	787.3	804.2	807.1	840.9	840.9	846.6	824.0
77.5°	412.0	400.7	414.8	437.4	457.2	488.2	519.2	544.6	558.7	553.1	553.1
80°	239.9	239.9	254.0	279.4	304.8	333.0	355.6	375.3	389.4	383.8	372.5
82.5°	149.6	149.6	163.7	189.1	208.8	225.8	256.8	282.2	299.1	293.5	279.4
85°	76.2	76.2	93.1	110.1	135.5	146.7	143.9	132.6	129.8	115.7	115.7
87.5°	19.8	19.8	28.2	31.0	25.4	28.2	28.2	28.2	28.2	28.2	31.0
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)