

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: P530102

Luminaire Tested: **GALN-SA5B-740-U-RW-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P530102
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-8)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA5B-740-U-RW-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(5) 70 CRI, 4000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR
WIDE OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 24969 lumens
Efficiency: N/A
Efficacy: 122.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

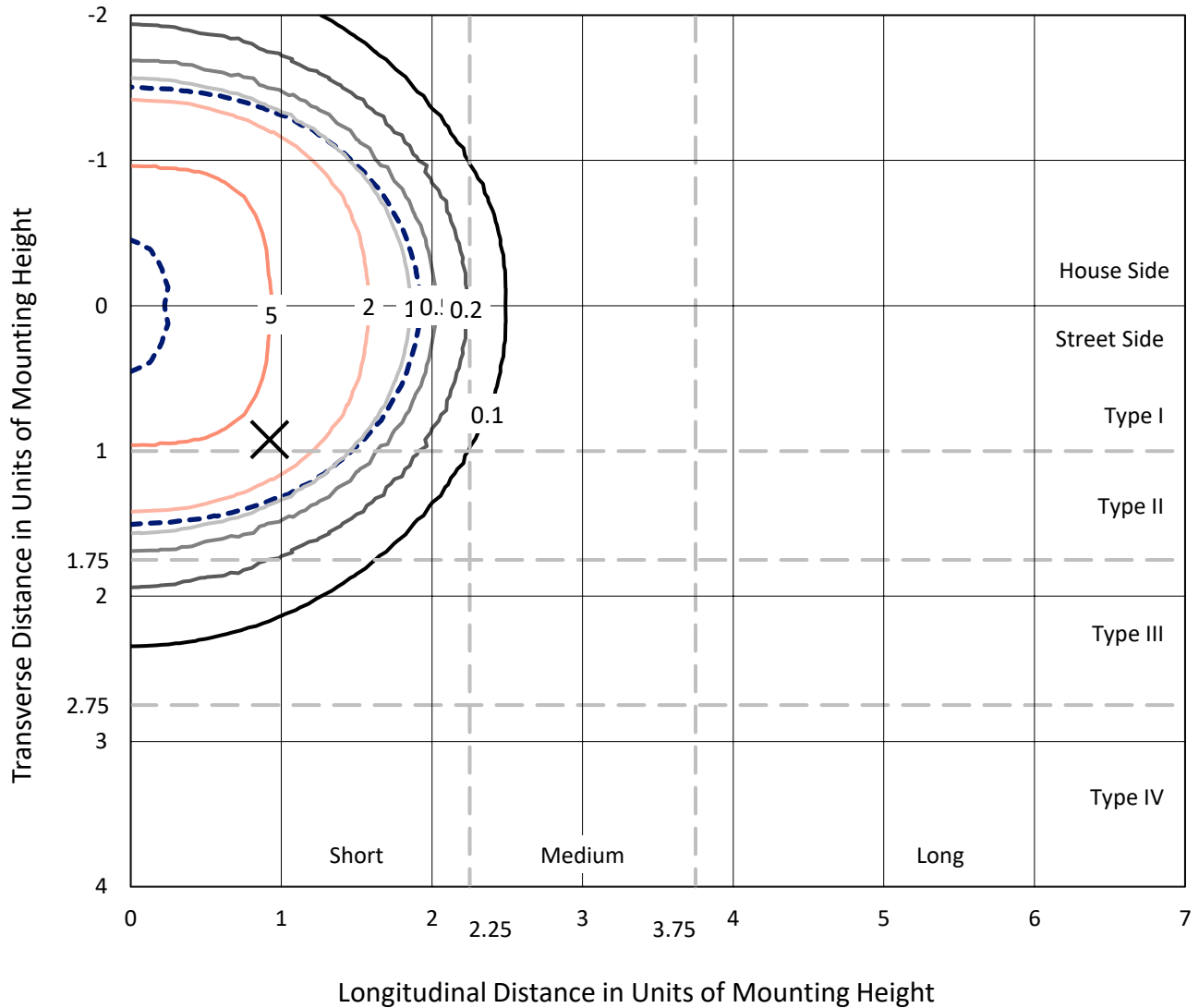
Input Watts (W): 204
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

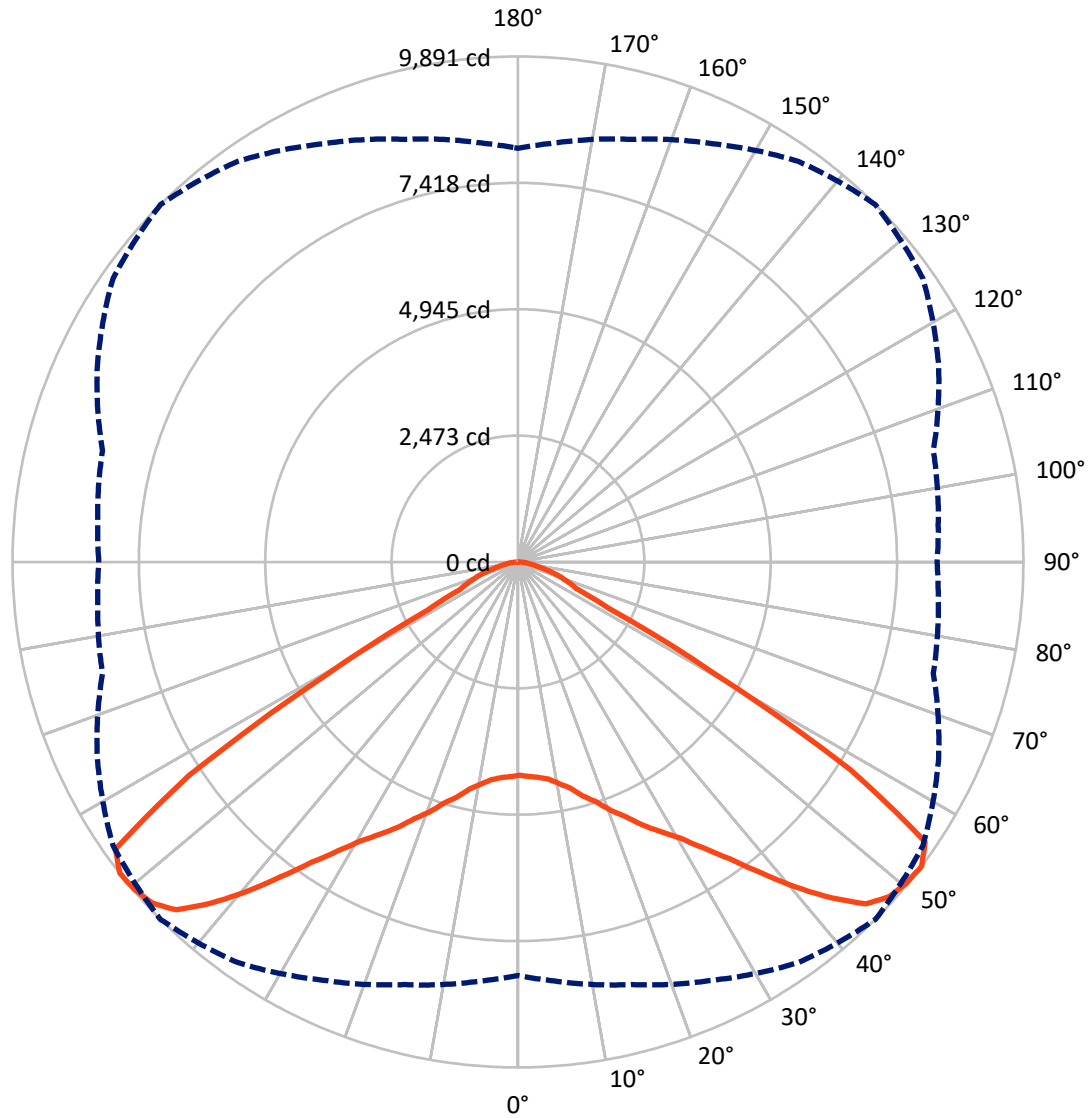
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 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 52.5-Deg Vertical

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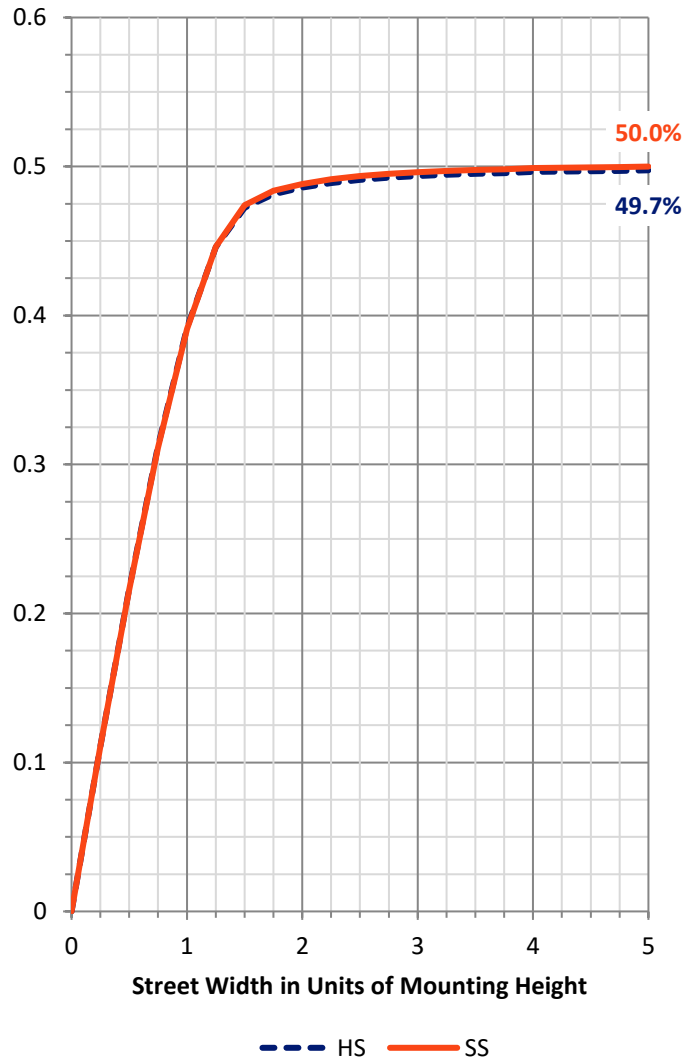
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	12484.5	0.0	12484.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	12484.5	0.0	12484.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	24969.0	0.0	24969.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	410.1	1.6
10°-20°	1347.5	5.4
20°-30°	2565.4	10.3
30°-40°	4405.0	17.6
40°-50°	6770.6	27.1
50°-60°	6875.4	27.5
60°-70°	1916.1	7.7
70°-80°	565.2	2.3
80°-90°	113.9	0.5
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°	24969.0	100.0
0°-180°	24969.0	100.0

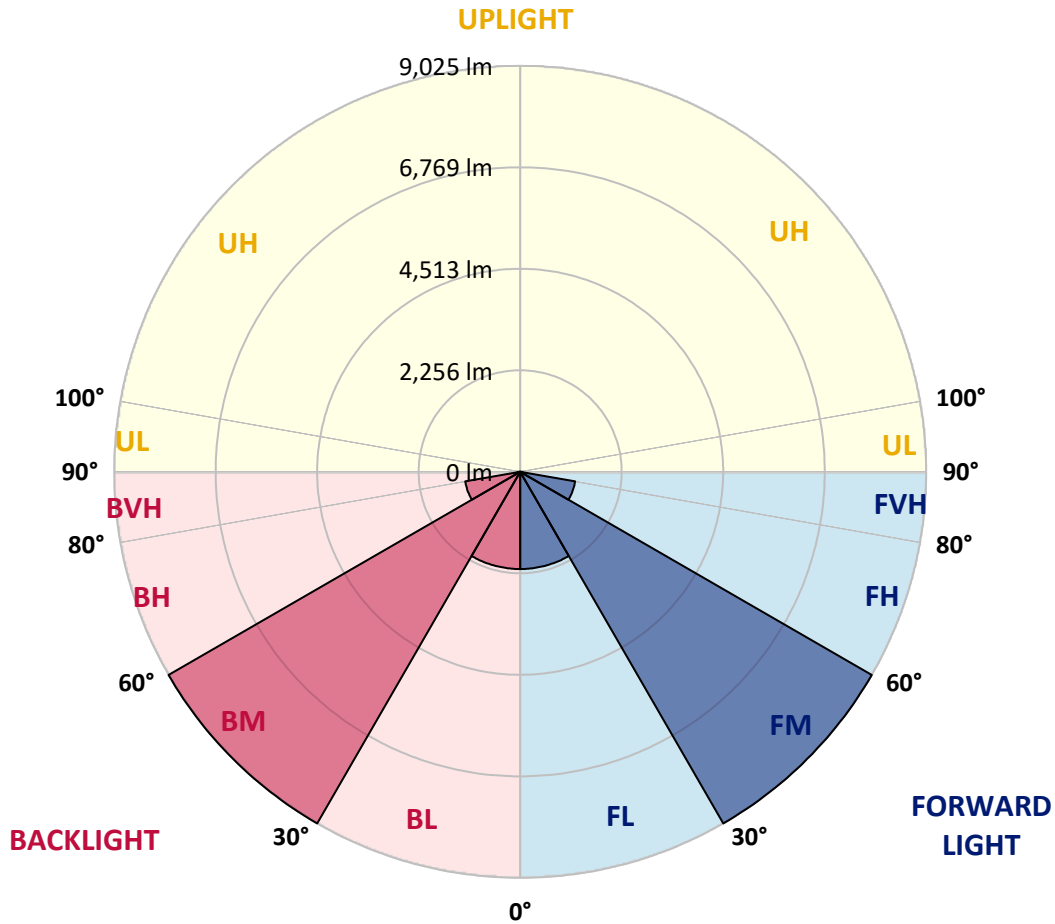


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2161.5	8.7			
FM (30°-60°)	9025.5	36.1			
FH (60°-80°)	1240.6	5.0			G1/1800
FVH (80°-90°)	56.9	0.2			G1/100
BL (0°-30°)	2161.5	8.7	B3/2500		
BM (30°-60°)	9025.5	36.1	B5		
BH (60°-80°)	1240.6	5.0	B3/2500		G1/1800
BVH (80°-90°)	56.9	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°	4173.9	4173.9	4173.9	4173.9	4173.9	4173.9	4173.9	4173.9	4173.9	4173.9	4173.9
2.5°	4183.2	4139.8	4155.3	4164.6	4204.9	4201.8	4192.5	4204.9	4217.3	4220.4	4214.2
5°	4180.1	4149.1	4161.5	4170.8	4211.1	4232.8	4226.6	4279.3	4316.4	4307.1	4353.6
7.5°	4155.3	4173.9	4158.4	4204.9	4239.0	4291.6	4347.4	4397.0	4443.5	4496.2	4505.5
10°	4211.1	4211.1	4239.0	4276.2	4366.0	4406.3	4486.9	4558.1	4648.0	4710.0	4685.2
12.5°	4270.0	4279.3	4279.3	4375.3	4449.7	4539.5	4613.9	4710.0	4837.0	4911.4	4948.6
15°	4328.8	4335.0	4366.0	4496.2	4607.7	4750.2	4818.4	4905.2	4976.5	5115.9	5119.0
17.5°	4381.5	4415.6	4508.6	4654.2	4793.6	4930.0	5038.4	5128.3	5190.3	5246.0	5233.6
20°	4579.8	4604.6	4700.7	4846.3	5053.9	5187.2	5224.3	5239.8	5280.1	5391.7	5357.6
22.5°	4771.9	4781.2	4871.1	5094.2	5239.8	5416.5	5456.7	5447.4	5462.9	5490.8	5540.4
25°	4970.3	4985.7	5109.7	5298.7	5503.2	5713.9	5748.0	5676.7	5655.1	5686.0	5689.1
27.5°	5224.3	5227.4	5385.5	5549.7	5782.1	5980.4	6033.1	5977.3	5875.1	5899.9	5940.1
30°	5546.6	5524.9	5682.9	5918.4	6163.2	6274.8	6364.7	6336.8	6225.2	6203.5	6169.4
32.5°	5918.4	5924.6	6067.2	6324.4	6485.5	6671.4	6767.5	6721.0	6649.7	6612.5	6634.2
35°	6442.1	6470.0	6566.1	6779.9	7040.2	7133.1	7285.0	7185.8	6999.9	7046.4	7086.6
37.5°	6872.8	6953.4	7133.1	7387.2	7542.1	7712.6	7768.3	7635.1	7498.8	7443.0	7576.2
40°	7532.8	7508.1	7706.4	7960.5	8189.8	8360.2	8288.9	8155.7	7817.9	7821.0	7858.2
42.5°	8099.9	8112.3	8264.1	8567.8	8880.8	8986.1	8759.9	8434.6	8059.6	8019.3	8099.9
45°	8577.1	8626.7	8713.4	9119.4	9426.1	9540.8	9122.5	8738.2	8236.2	8068.9	8202.2
47.5°	8747.5	8828.1	9017.1	9388.9	9692.6	9785.6	9450.9	8899.4	8400.5	8127.8	8199.1
50°	8772.3	8744.4	9054.3	9395.1	9661.6	9863.0	9568.7	9017.1	8360.2	8217.7	8196.0
52.5°	8093.7	8230.0	8561.6	9029.5	9568.7	9890.9	9674.0	9082.2	8416.0	8254.8	8202.2
55°	6550.6	6389.4	6993.7	7780.7	8772.3	9667.8	9636.8	9116.3	8450.1	8316.8	8245.5
57.5°	3656.4	3702.9	4043.8	4899.0	6178.7	7666.1	8567.8	8756.8	8434.6	8357.1	8394.3
60°	1691.9	1707.4	1853.0	2252.7	3046.0	4347.4	5534.2	6739.6	7294.2	7405.8	7405.8
62.5°	1261.2	1255.0	1292.1	1363.4	1530.7	1998.6	2667.9	3625.4	4387.7	4920.7	5060.1
65°	1140.3	1137.2	1155.8	1180.6	1193.0	1258.1	1406.8	1701.2	1949.1	2091.6	2066.8
67.5°	997.8	994.7	1000.9	1016.4	1038.1	1072.1	1109.3	1171.3	1258.1	1251.9	1236.4
70°	805.7	805.7	814.9	827.3	852.1	892.4	935.8	979.2	1053.5	1069.0	1065.9
72.5°	594.9	585.6	604.2	629.0	653.8	703.4	749.9	790.2	842.8	858.3	852.1
75°	378.0	384.2	396.6	424.5	467.9	502.0	551.6	585.6	619.7	632.1	635.2
77.5°	210.7	216.9	238.6	272.7	316.1	353.2	396.6	424.5	446.2	449.3	452.4
80°	127.0	130.1	151.8	182.8	220.0	260.3	294.4	322.3	340.9	331.6	328.5
82.5°	77.5	80.6	99.2	127.0	158.0	189.0	226.2	251.0	269.6	257.2	244.8
85°	40.3	43.4	58.9	77.5	102.3	117.7	117.7	105.4	102.3	96.1	93.0
87.5°	12.4	12.4	15.5	18.6	15.5	18.6	21.7	24.8	24.8	27.9	24.8
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)