

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: P530094

Luminaire Tested: **GALN-SA5B-740-U-5MQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P530094
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-4)
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-5MQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(5) 70 CRI, 4000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 25152 lumens
Efficiency: N/A
Efficacy: 123.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

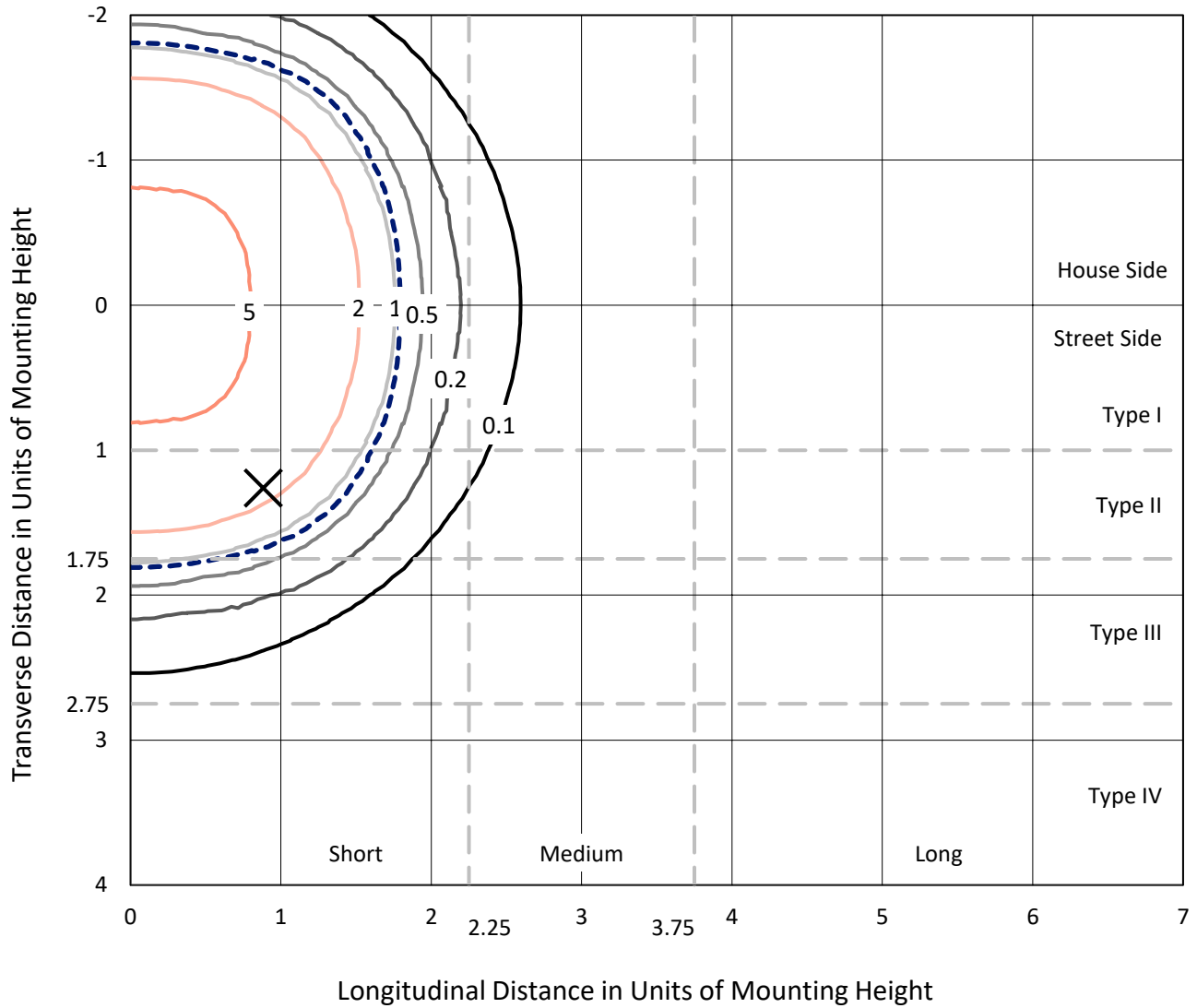
Input Watts (W): 204
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

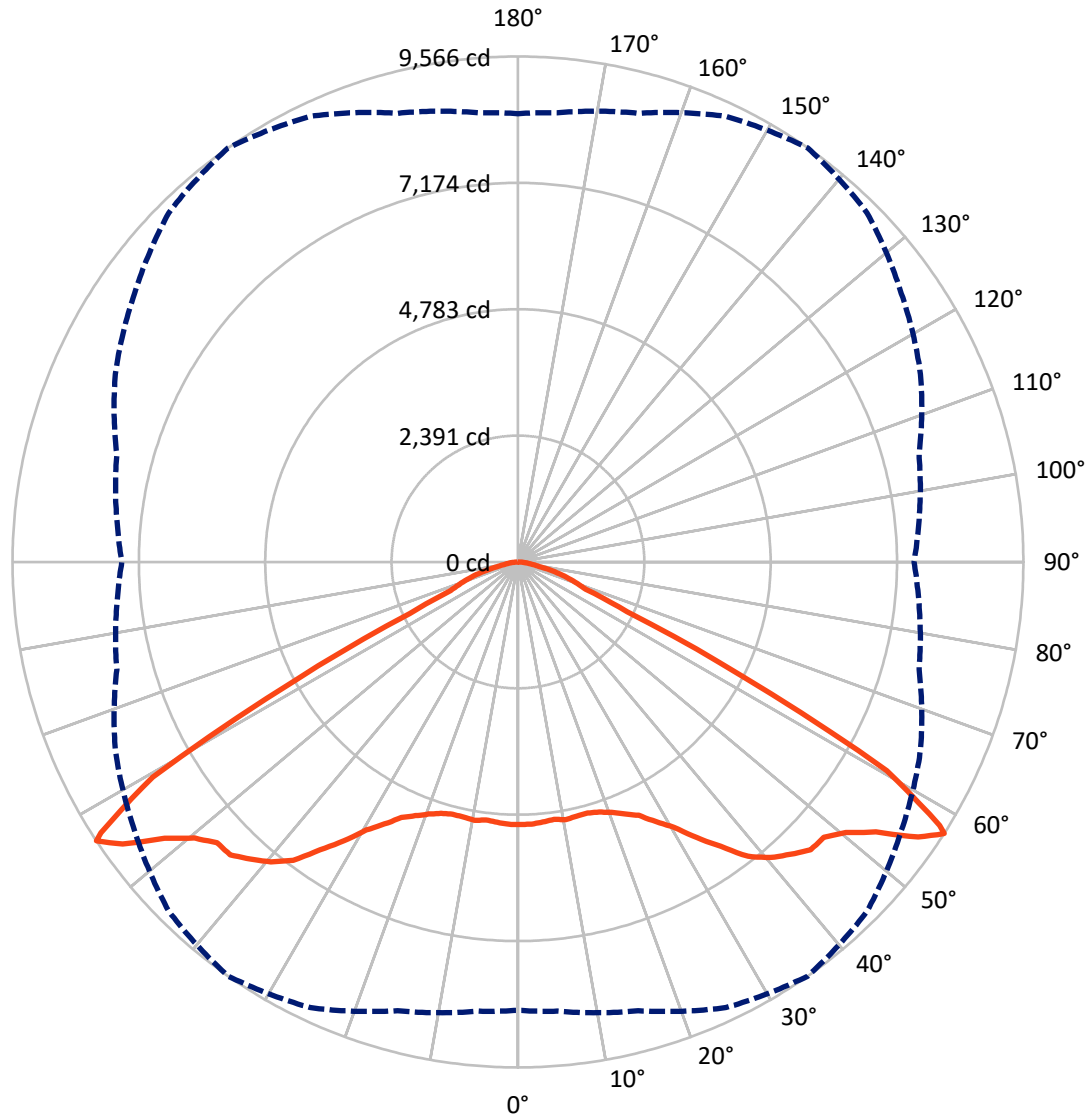
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.9 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 57-Deg Vertical

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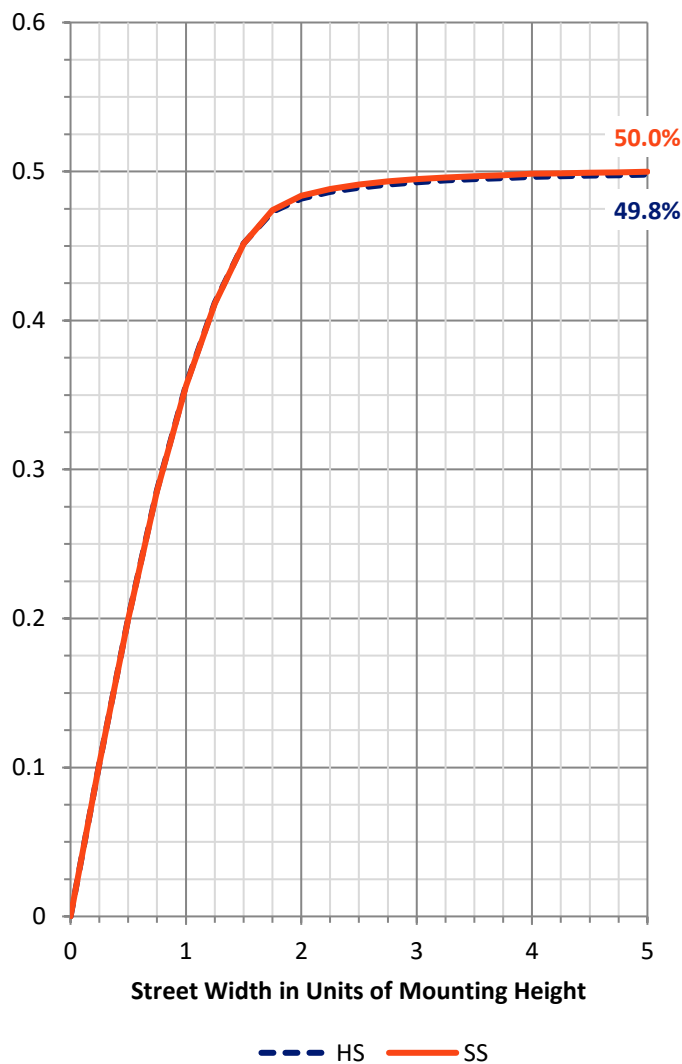
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	12576.0	0.0	12576.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	12576.0	0.0	12576.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	25152.0	0.0	25152.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	470.9	1.9
10°-20°	1394.7	5.5
20°-30°	2435.9	9.7
30°-40°	3991.3	15.9
40°-50°	5852.2	23.3
50°-60°	7371.3	29.3
60°-70°	2772.3	11.0
70°-80°	737.1	2.9
80°-90°	126.4	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°	25152.0	100.0
0°-180°	25152.0	100.0

Coefficient of Utilization

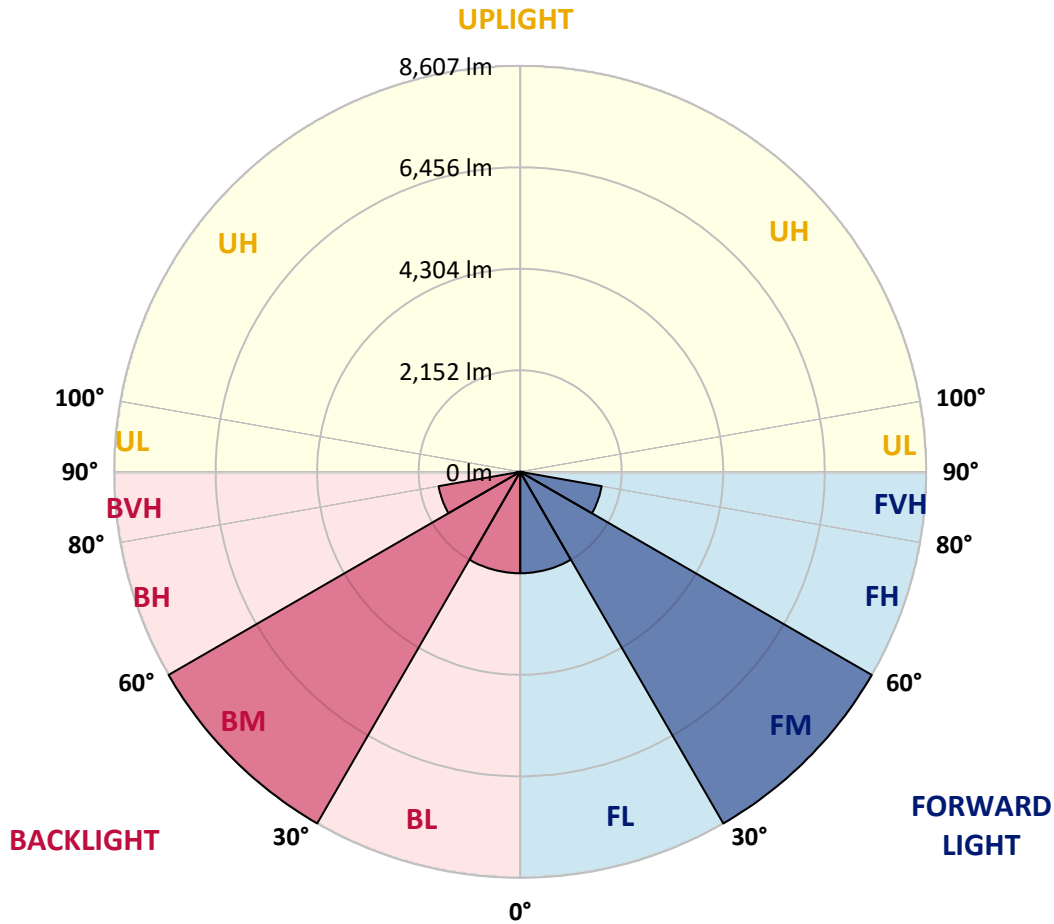


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2150.8	8.6			
FM (30°-60°)	8607.3	34.2			
FH (60°-80°)	1754.7	7.0			G1/1800
FVH (80°-90°)	63.2	0.3			G1/100
BL (0°-30°)	2150.8	8.6	B3/2500		
BM (30°-60°)	8607.3	34.2	B5		
BH (60°-80°)	1754.7	7.0	B3/2500		G1/1800
BVH (80°-90°)	63.2	0.3			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°	4967.3	4967.3	4967.3	4967.3	4967.3	4967.3	4967.3	4967.3	4967.3	4967.3	4967.3
2.5°	4942.5	4992.1	4970.4	4958.0	4967.3	4951.8	4927.1	4954.9	4948.7	4924.0	4914.7
5°	4930.1	4967.3	4942.5	4967.3	4942.5	4985.9	4973.5	4927.1	4982.8	4930.1	4948.7
7.5°	4920.9	4933.2	4939.4	4927.1	4917.8	4970.4	4942.5	4920.9	4889.9	4880.6	4896.1
10°	4899.2	4930.1	4883.7	4945.6	4958.0	4920.9	4920.9	4880.6	4855.8	4840.3	4893.0
12.5°	4954.9	4902.3	4896.1	4927.1	4936.3	4951.8	4908.5	4886.8	4840.3	4846.5	4837.2
15°	4889.9	4911.6	4914.7	4920.9	4930.1	4967.3	4927.1	4880.6	4862.0	4796.9	4803.1
17.5°	4914.7	4893.0	4914.7	4985.9	4973.5	5001.4	4958.0	4886.8	4843.4	4806.2	4855.8
20°	4958.0	4948.7	4958.0	5044.8	5060.3	5085.1	5047.9	4982.8	4899.2	4855.8	4880.6
22.5°	5004.5	4998.3	5004.5	5088.2	5178.1	5209.0	5171.9	5020.0	4976.6	4896.1	4868.2
25°	5088.2	5094.4	5159.5	5252.4	5311.3	5370.2	5302.0	5193.5	5054.1	5004.5	4945.6
27.5°	5274.1	5289.6	5326.8	5463.1	5565.4	5618.1	5522.0	5373.3	5286.5	5184.2	5168.8
30°	5503.4	5503.4	5568.5	5686.3	5825.7	5906.3	5788.5	5611.9	5506.5	5450.7	5416.7
32.5°	5807.1	5773.0	5797.8	6005.4	6222.3	6290.5	6132.5	5915.6	5748.2	5673.9	5649.1
35°	6067.4	6089.1	6144.9	6368.0	6609.7	6767.7	6519.8	6237.8	6067.4	5999.2	5986.8
37.5°	6405.2	6442.4	6470.2	6777.0	7068.3	7127.2	6888.6	6662.4	6454.7	6399.0	6368.0
40°	6882.4	6857.6	6866.9	7093.1	7356.5	7393.7	7158.2	6997.0	6826.6	6792.5	6792.5
42.5°	7275.9	7248.0	7279.0	7362.7	7564.1	7536.2	7406.1	7288.3	7217.0	7179.9	7217.0
45°	7514.5	7508.3	7564.1	7626.1	7768.6	7675.7	7573.4	7592.0	7523.8	7461.8	7458.7
47.5°	7774.8	7734.5	7802.7	7895.7	7787.2	7743.8	7737.6	7777.9	7756.2	7647.8	7613.7
50°	7901.9	7886.4	7994.8	8103.3	8044.4	7945.3	7966.9	8032.0	7753.1	7607.5	7523.8
52.5°	8242.7	8245.8	8453.5	8512.3	8487.5	8341.9	8388.4	8211.8	7883.3	7678.8	7688.1
55°	8778.8	8757.1	8989.5	9163.1	9191.0	9005.0	8781.9	8534.0	8121.9	7914.3	7852.3
57°	8484.4	8534.0	8791.2	9305.6	9565.9	9345.9	8859.4	8407.0	7858.5	7607.5	7495.9
57.5°	8090.9	8171.5	8617.7	9135.2	9407.9	9389.3	8763.3	8171.5	7681.9	7291.4	7300.7
60°	5928.0	5943.4	6346.3	7167.5	8019.6	8038.2	7275.9	6491.9	5946.5	5522.0	5580.9
62.5°	3126.7	3197.9	3359.1	4019.1	4756.6	4936.3	4474.6	4071.8	3600.8	3278.5	3309.5
65°	1654.7	1645.4	1722.9	1908.8	2271.4	2364.4	2302.4	1983.2	1819.0	1766.3	1769.4
67.5°	1344.9	1360.4	1351.1	1360.4	1385.2	1425.4	1416.1	1428.5	1437.8	1453.3	1450.2
70°	1140.3	1140.3	1146.5	1149.6	1149.6	1168.2	1189.9	1230.2	1233.3	1248.8	1255.0
72.5°	898.6	892.4	901.7	923.4	926.5	942.0	973.0	997.8	1007.1	1007.1	988.5
75°	610.5	616.7	629.1	647.6	666.2	694.1	718.9	734.4	740.6	731.3	722.0
77.5°	344.0	350.2	359.5	387.3	409.0	433.8	461.7	477.2	492.7	495.8	477.2
80°	204.5	204.5	220.0	241.7	266.5	291.3	316.1	334.7	340.9	340.9	331.6
82.5°	124.0	127.0	139.4	161.1	182.8	198.3	220.0	235.5	247.9	244.8	238.6
85°	65.1	65.1	77.5	96.1	111.6	127.0	127.0	117.8	111.6	96.1	89.9
87.5°	21.7	18.6	24.8	24.8	21.7	24.8	24.8	27.9	27.9	27.9	27.9
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)