

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: P531970

Luminaire Tested: **GALN-SA7B-740-U-5WQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P531970
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-SA7B-740-U-5WQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 70 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: 33624 lumens
Efficiency: N/A
Efficacy: 117.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G2

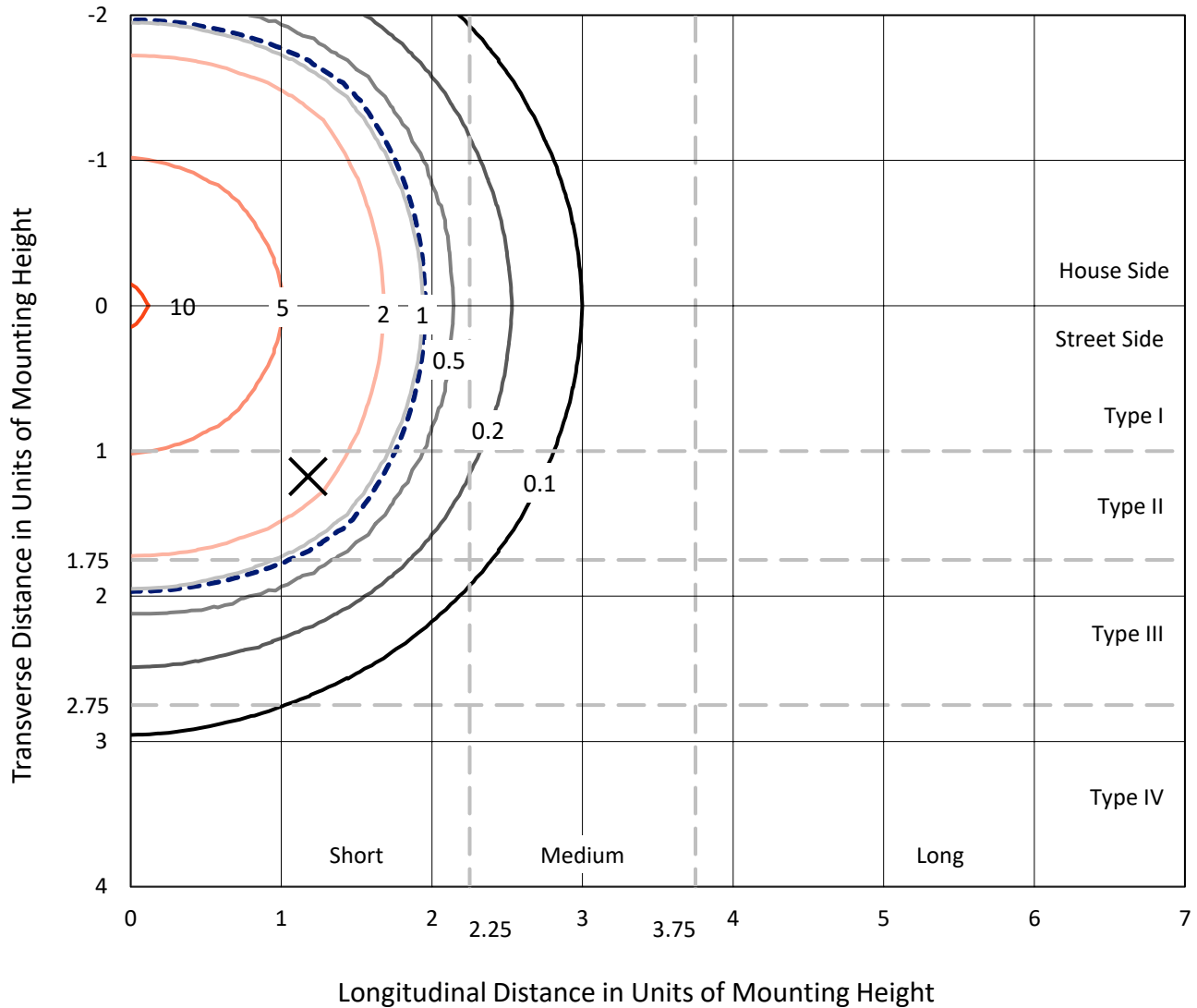
Input Watts (W): 286
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

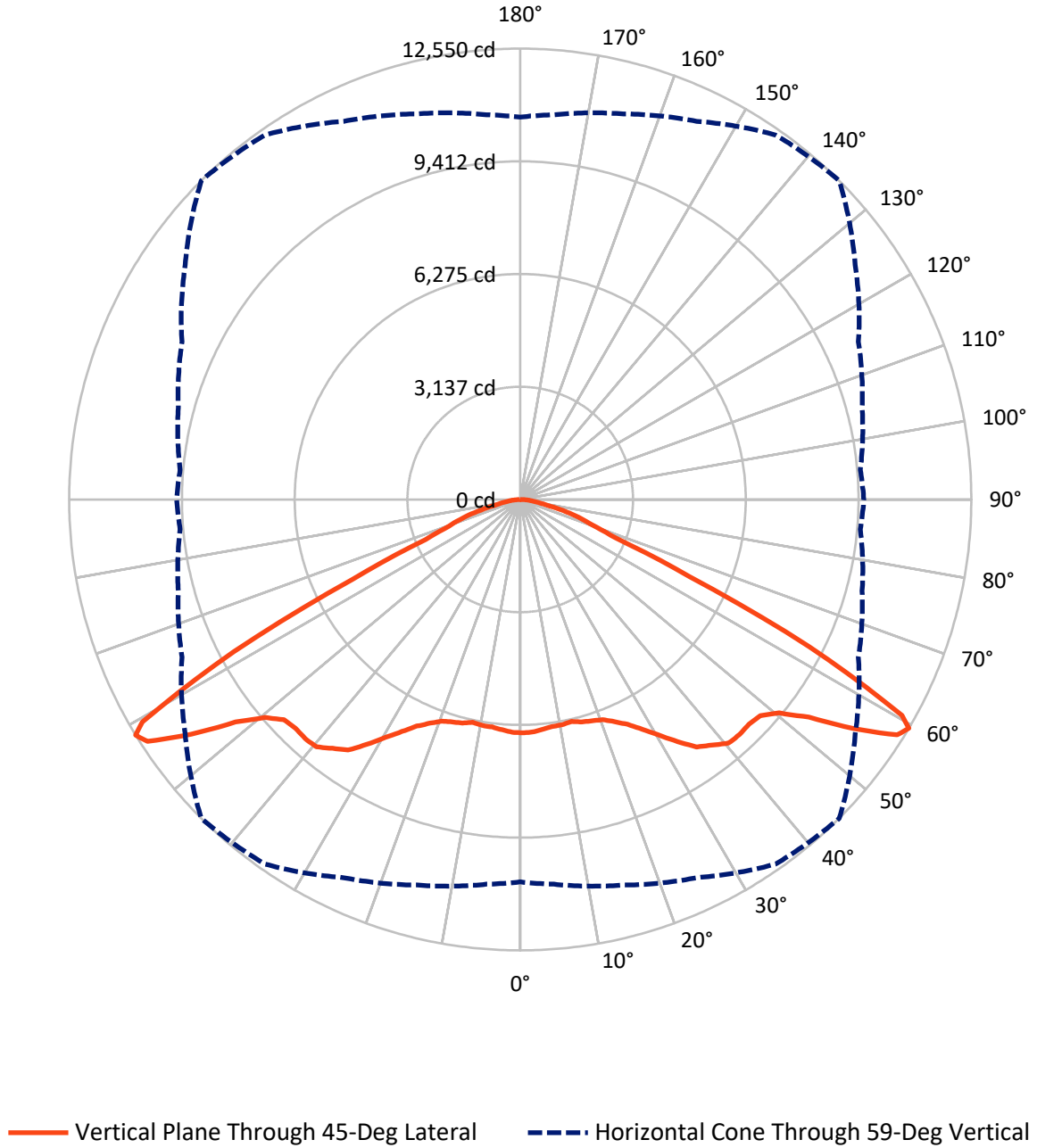
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.4 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	16812.0	0.0	16812.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	16812.0	0.0	16812.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	33624.0	0.0	33624.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	612.2	1.8
10°-20°	1820.7	5.4
20°-30°	3179.1	9.5
30°-40°	5077.4	15.1
40°-50°	6916.5	20.6
50°-60°	9352.9	27.8
60°-70°	5129.2	15.3
70°-80°	1312.2	3.9
80°-90°	223.8	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°	33624.0	100.0
0°-180°	33624.0	100.0

Coefficient of Utilization

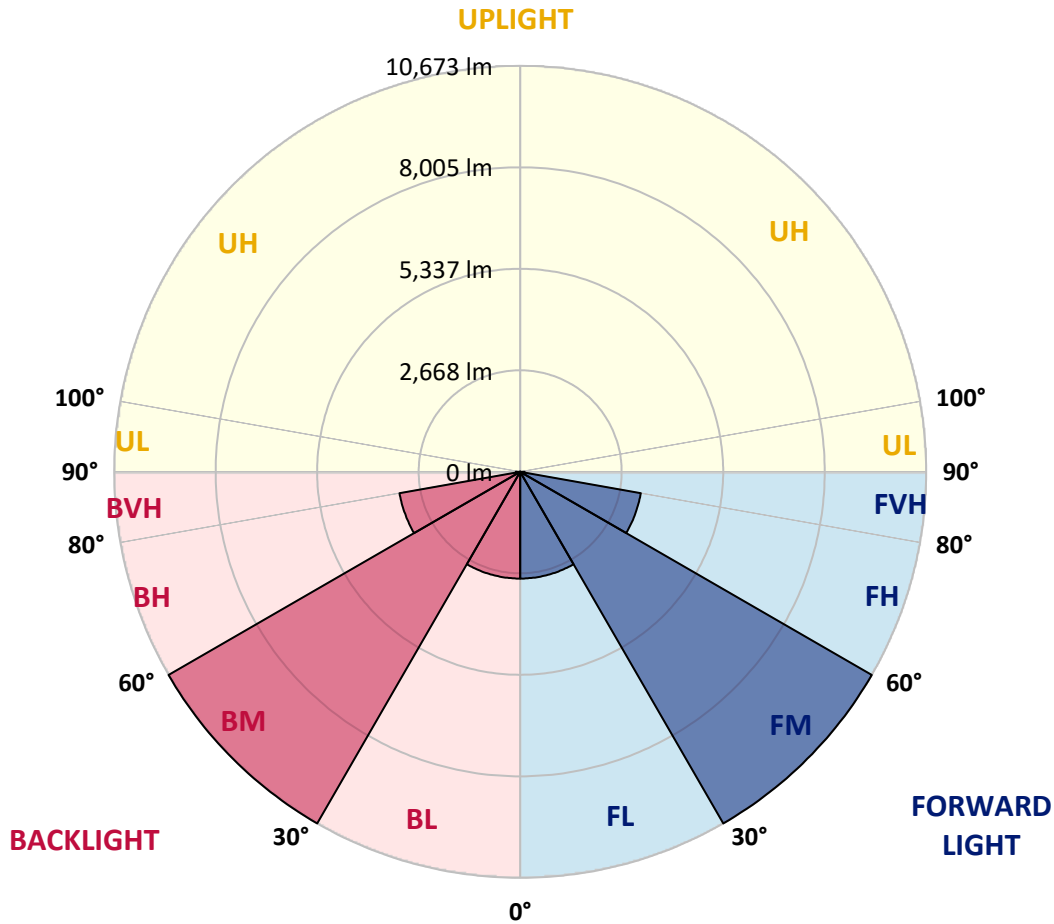


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2806.0	8.3			
FM (30°-60°)	10673.4	31.7			
FH (60°-80°)	3220.7	9.6			G2/5000
FVH (80°-90°)	111.9	0.3			G2/225
BL (0°-30°)	2806.0	8.3	B4/5000		
BM (30°-60°)	10673.4	31.7	B5		
BH (60°-80°)	3220.7	9.6	B4/5000		G2/5000
BVH (80°-90°)	111.9	0.3			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G2
 Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	6494.5	6494.5	6494.5	6494.5	6494.5	6494.5	6494.5	6494.5	6494.5	6494.5	6494.5
2.5°	6455.8	6503.2	6468.7	6498.9	6494.5	6481.6	6460.1	6447.1	6429.9	6455.8	6412.7
5°	6429.9	6468.7	6507.5	6455.8	6455.8	6429.9	6417.0	6391.1	6391.1	6386.8	6382.5
7.5°	6473.0	6434.2	6417.0	6425.6	6434.2	6378.2	6417.0	6365.3	6322.2	6352.3	6386.8
10°	6434.2	6451.5	6386.8	6417.0	6369.6	6378.2	6352.3	6386.8	6339.4	6339.4	6339.4
12.5°	6473.0	6425.6	6447.1	6425.6	6412.7	6339.4	6373.9	6335.1	6330.8	6373.9	6335.1
15°	6550.6	6473.0	6455.8	6412.7	6425.6	6425.6	6391.1	6395.4	6348.0	6373.9	6382.5
17.5°	6524.7	6481.6	6468.7	6417.0	6460.1	6473.0	6408.4	6365.3	6395.4	6391.1	6386.8
20°	6546.3	6563.5	6550.6	6559.2	6576.4	6542.0	6481.6	6421.3	6382.5	6438.5	6434.2
22.5°	6684.2	6666.9	6658.3	6649.7	6679.9	6714.3	6632.5	6537.6	6537.6	6576.4	6593.7
25°	6796.2	6791.9	6787.6	6826.4	6929.8	6929.8	6826.4	6705.7	6675.6	6701.4	6679.9
27.5°	6960.0	7007.4	6990.2	7059.1	7209.9	7244.4	7106.5	6964.3	6882.4	6852.2	6891.0
30°	7334.9	7278.9	7291.8	7365.1	7498.7	7610.7	7399.6	7248.7	7136.7	7132.4	7149.6
32.5°	7584.9	7628.0	7666.8	7735.7	7946.9	8033.1	7778.8	7533.2	7464.2	7425.4	7438.3
35°	8084.8	8046.0	8037.4	8106.3	8317.5	8459.7	8140.8	7925.3	7834.8	7921.0	7921.0
37.5°	8558.8	8451.1	8369.2	8459.7	8653.7	8670.9	8399.4	8283.0	8235.6	8334.7	8330.4
40°	8782.9	8774.3	8584.7	8636.4	8895.0	8920.8	8666.6	8528.7	8520.1	8649.3	8778.6
42.5°	9015.7	8933.8	8744.2	8778.6	8938.1	8946.7	8705.4	8666.6	8761.4	8886.4	8895.0
45°	9054.4	8985.5	8864.8	8778.6	8895.0	8920.8	8778.6	8804.5	8813.1	8963.9	8963.9
47.5°	9132.0	9123.4	9054.4	8989.8	9011.3	8989.8	8899.3	8938.1	9067.4	9140.6	9106.2
50°	9347.5	9257.0	9325.9	9269.9	9274.2	9334.6	9252.7	9291.5	9265.6	9201.0	9157.9
52.5°	9821.6	9778.5	9838.8	9877.6	9920.7	10058.6	9963.8	9756.9	9563.0	9390.6	9386.3
55°	10515.4	10545.6	10661.9	10860.2	11028.2	11248.0	10791.2	10295.6	9985.3	9713.8	9731.0
57.5°	11170.5	11148.9	11308.4	11760.9	12252.2	12364.2	11467.8	10761.0	10256.8	10084.4	10011.2
59°	10644.7	10748.1	11110.1	11614.3	12385.8	12549.5	11377.3	10381.8	9847.4	9498.3	9558.7
60°	9817.2	9856.0	10179.2	10881.7	11924.6	12204.8	10769.7	9795.7	9084.6	8882.1	8972.6
62.5°	6938.4	6908.3	7141.0	7714.2	8649.3	9028.6	8007.2	7322.0	6873.8	6649.7	6701.4
65°	3689.0	3826.9	3921.7	4279.4	4775.0	5175.8	4753.5	4456.1	4206.2	4020.8	4016.5
67.5°	2490.9	2473.7	2495.3	2577.1	2745.2	2857.3	2848.6	2697.8	2676.3	2641.8	2680.6
70°	2098.8	2090.2	2051.4	2051.4	2085.8	2111.7	2141.9	2159.1	2193.6	2236.7	2232.4
72.5°	1702.3	1680.7	1654.9	1642.0	1685.0	1698.0	1736.8	1754.0	1784.2	1779.9	1818.6
75°	1124.8	1124.8	1155.0	1189.4	1202.4	1228.2	1232.5	1284.3	1284.3	1292.9	1258.4
77.5°	629.2	612.0	633.5	668.0	698.2	745.6	793.0	831.8	853.3	844.7	844.7
80°	366.3	366.3	387.9	426.6	465.4	508.5	543.0	573.2	594.7	586.1	568.9
82.5°	228.4	228.4	250.0	288.7	318.9	344.8	392.2	431.0	456.8	448.2	426.6
85°	116.4	116.4	142.2	168.1	206.9	224.1	219.8	202.6	198.2	176.7	176.7
87.5°	30.2	30.2	43.1	47.4	38.8	43.1	43.1	43.1	43.1	43.1	47.4
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)