

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: P532618

Luminaire Tested: **GALN-SA8A-730-U-5NQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P532618
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-6)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA8A-730-U-5NQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 70 CRI, 3000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 30292 lumens
Efficiency: N/A
Efficacy: 124.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

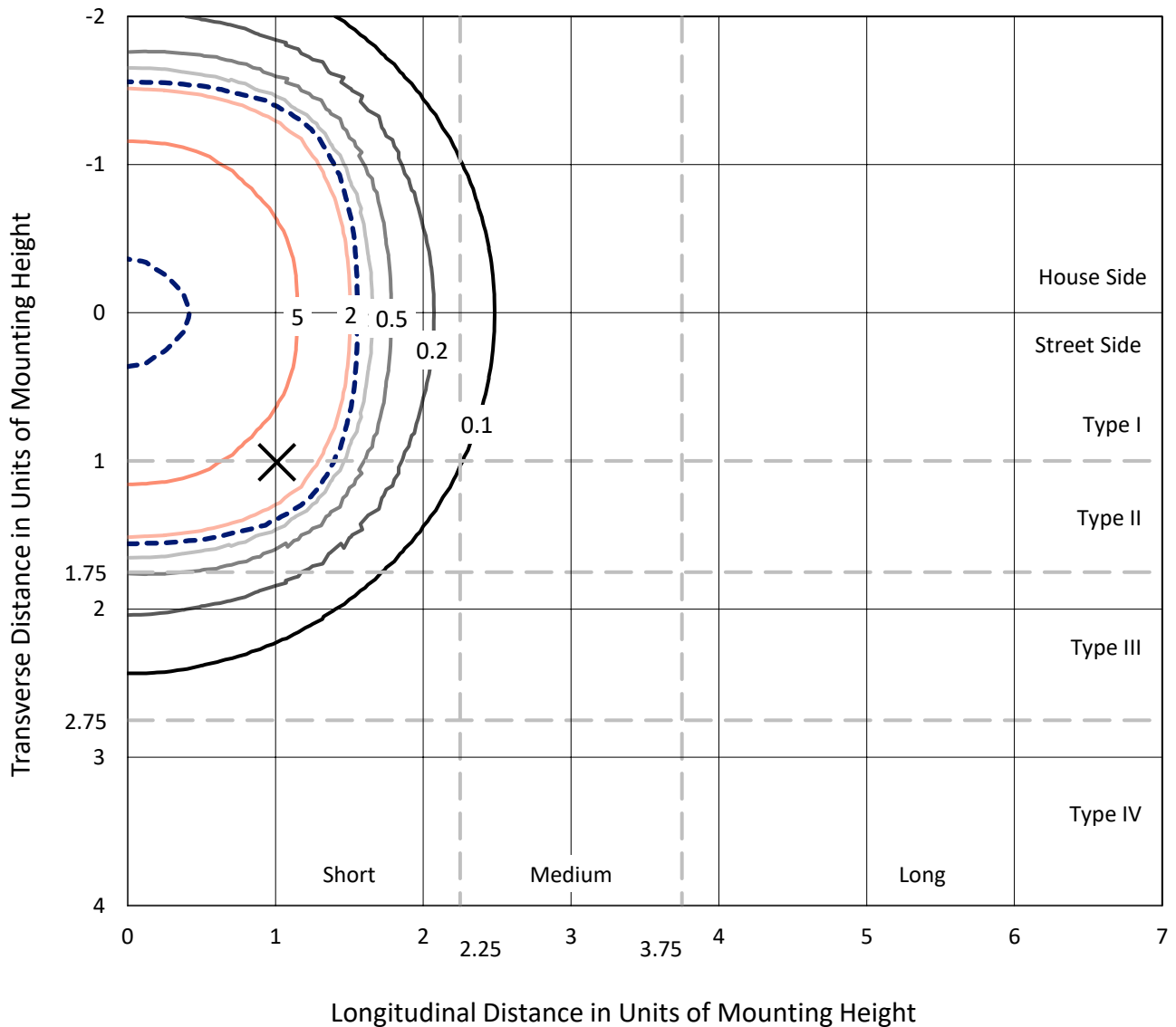
Input Watts (W): 244
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

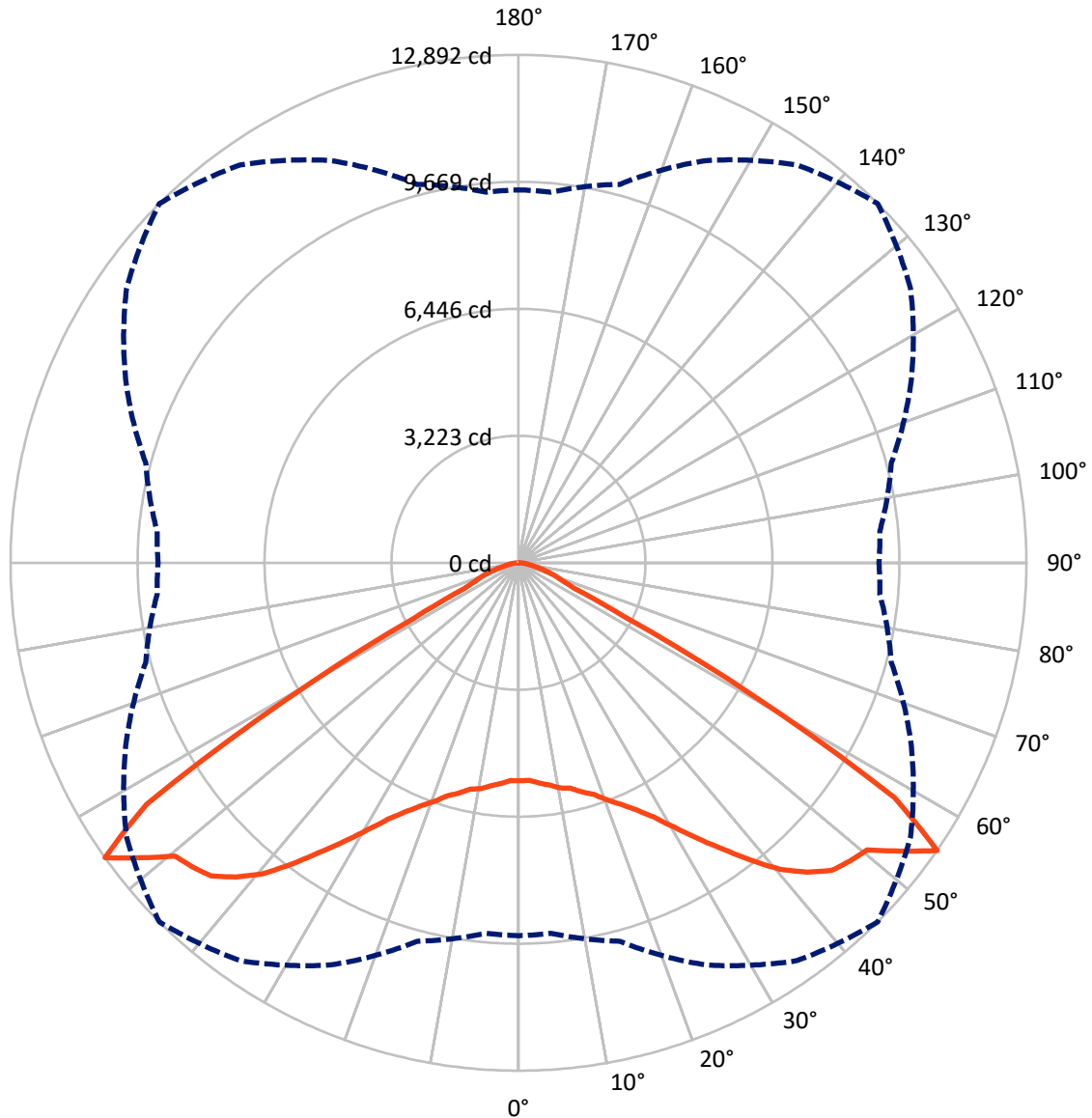
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.9 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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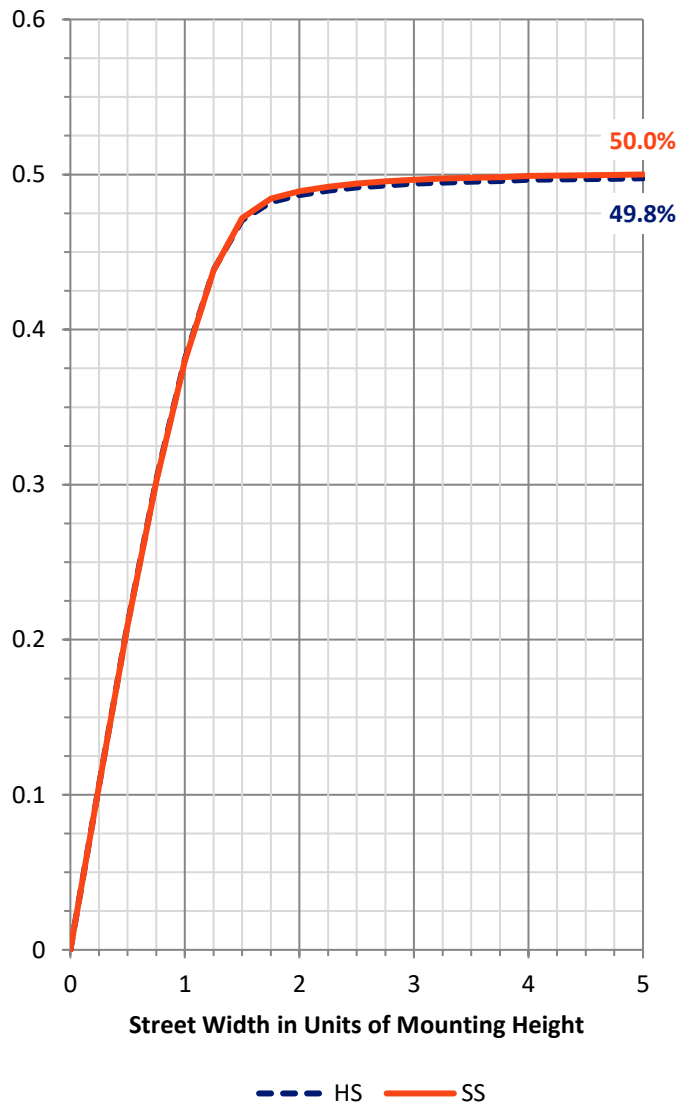
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	15146.0	0.0	15146.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	15146.0	0.0	15146.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	30292.0	0.0	30292.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	540.3	1.8
10°-20°	1712.0	5.7
20°-30°	3192.3	10.5
30°-40°	5345.0	17.6
40°-50°	8317.2	27.5
50°-60°	8635.8	28.5
60°-70°	1831.4	6.0
70°-80°	603.1	2.0
80°-90°	114.9	0.4
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°	30292.0	100.0
0°-180°	30292.0	100.0

Coefficient of Utilization

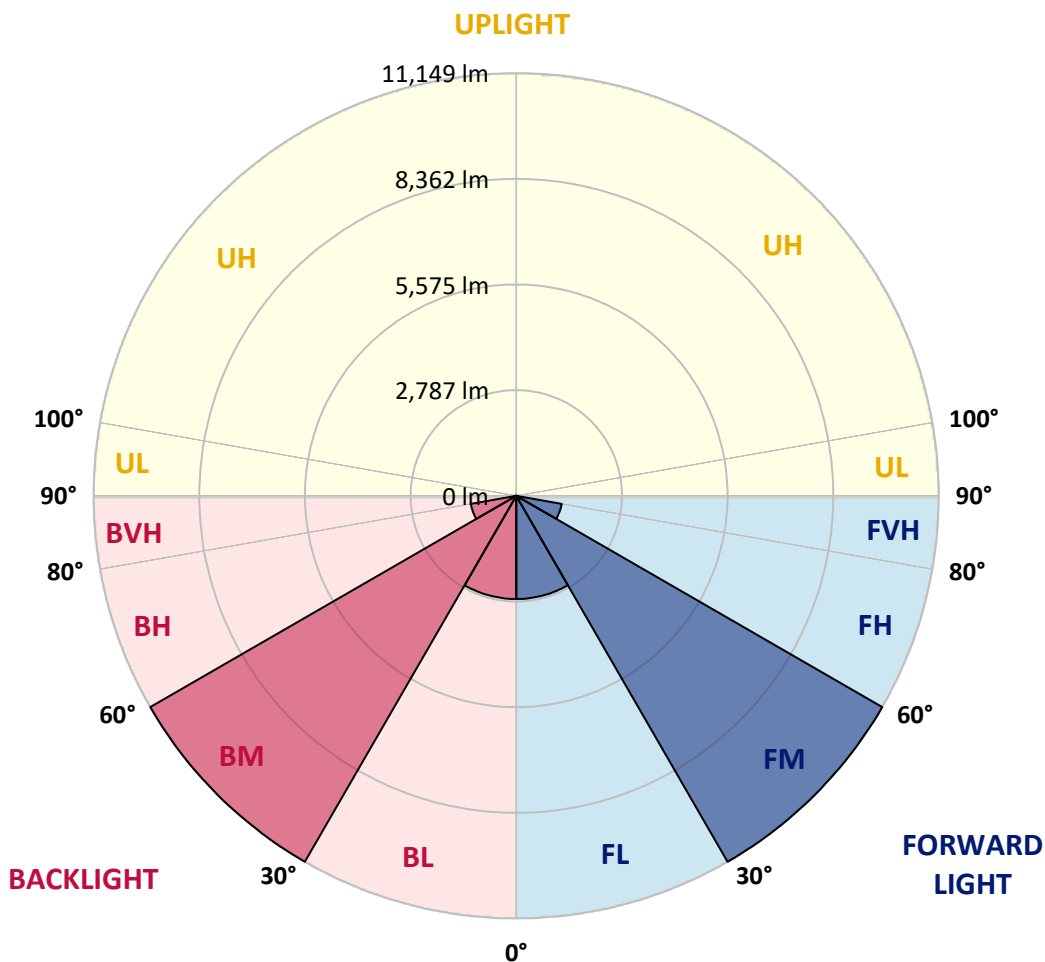


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2722.3	9.0			
FM (30°-60°)	11149.0	36.8			
FH (60°-80°)	1217.3	4.0			G1/1800
FVH (80°-90°)	57.4	0.2			G1/100
BL (0°-30°)	2722.3	9.0	B4/5000		
BM (30°-60°)	11149.0	36.8	B5		
BH (60°-80°)	1217.3	4.0	B3/2500		G1/1800
BVH (80°-90°)	57.4	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°	5530.9	5530.9	5530.9	5530.9	5530.9	5530.9	5530.9	5530.9	5530.9	5530.9	5530.9
2.5°	5596.8	5571.1	5527.2	5560.2	5585.8	5530.9	5552.8	5563.8	5556.5	5527.2	5538.2
5°	5677.3	5662.6	5626.0	5651.7	5618.7	5618.7	5596.8	5567.5	5611.4	5604.1	5622.4
7.5°	5677.3	5659.0	5732.2	5684.6	5699.2	5699.2	5662.6	5633.4	5655.3	5622.4	5604.1
10°	5790.8	5816.4	5783.4	5794.4	5787.1	5812.7	5757.8	5739.5	5721.2	5710.2	5688.3
12.5°	5926.2	5907.9	5918.9	5911.5	5937.2	5871.3	5838.3	5798.1	5831.0	5783.4	5816.4
15°	6036.0	6025.0	6036.0	6065.3	6039.7	6036.0	5977.4	5937.2	5885.9	5896.9	5845.7
17.5°	6186.1	6175.1	6178.8	6204.4	6200.7	6182.4	6138.5	6061.6	6043.3	6014.0	5981.1
20°	6409.4	6391.1	6383.7	6394.7	6413.0	6427.7	6339.8	6310.5	6248.3	6200.7	6145.8
22.5°	6599.7	6592.4	6621.7	6574.1	6614.3	6658.3	6574.1	6559.4	6405.7	6380.1	6321.5
25°	6863.3	6852.3	6834.0	6903.5	6951.1	6947.4	6866.9	6786.4	6669.3	6640.0	6640.0
27.5°	7141.4	7079.2	7174.4	7192.7	7276.9	7302.5	7233.0	7115.8	7006.0	6943.8	6958.4
30°	7489.2	7430.6	7452.6	7584.4	7694.2	7789.3	7613.6	7441.6	7287.9	7178.0	7159.7
32.5°	7836.9	7778.4	7844.2	7972.4	8192.0	8334.7	8162.7	7862.5	7683.2	7522.1	7555.1
35°	8118.8	8162.7	8268.8	8462.8	8689.8	8920.4	8645.9	8415.3	8159.0	7979.7	8005.3
37.5°	8572.7	8708.1	8792.3	9015.6	9337.7	9575.6	9290.1	8989.9	8715.4	8481.2	8400.6
40°	9165.6	9257.2	9352.3	9615.9	9996.6	10234.5	9963.6	9572.0	9301.1	9059.5	9048.5
42.5°	9817.2	9905.0	10003.9	10326.0	10552.9	10732.3	10483.4	10274.7	9974.6	9784.3	9773.3
45°	10574.9	10512.7	10622.5	10834.8	11025.1	11142.3	10981.2	10878.7	10662.8	10487.1	10468.7
47.5°	11080.0	11025.1	11222.8	11413.1	11442.4	11314.3	11347.2	11442.4	11215.5	10926.3	11017.8
50°	11372.9	11372.9	11504.6	11680.3	11625.4	11460.7	11720.6	11727.9	11501.0	11244.8	11244.8
52.5°	10864.1	10977.5	11350.9	11925.6	12108.6	12156.2	12097.6	11848.7	11255.7	10732.3	10706.7
55°	9465.8	9440.2	9945.3	11263.1	12328.2	12891.9	12145.2	10999.5	9795.2	9205.9	9147.3
57.5°	6156.8	6186.1	6940.1	8283.5	10205.2	11255.7	9996.6	8386.0	6940.1	6127.5	6204.4
60°	2770.9	2869.8	3327.3	4330.3	5981.1	6837.6	5995.7	4549.9	3492.0	3030.8	3071.1
62.5°	1592.3	1610.6	1628.9	1932.7	2547.6	3012.5	2646.5	2042.5	1800.9	1720.4	1720.4
65°	1343.4	1332.4	1336.0	1361.7	1427.6	1522.7	1482.5	1427.6	1434.9	1427.6	1416.6
67.5°	1142.0	1156.7	1145.7	1164.0	1167.7	1182.3	1207.9	1229.9	1233.6	1240.9	1233.6
70°	937.1	940.7	948.0	962.7	966.3	977.3	1013.9	1032.2	1043.2	1043.2	1057.9
72.5°	717.4	713.8	721.1	735.7	754.0	757.7	790.6	816.3	830.9	812.6	816.3
75°	472.2	475.9	486.8	497.8	523.4	549.1	560.0	585.7	589.3	596.6	578.3
77.5°	281.9	289.2	300.2	322.1	344.1	366.0	391.7	410.0	417.3	410.0	388.0
80°	183.0	183.0	197.7	216.0	241.6	259.9	274.5	289.2	300.2	289.2	281.9
82.5°	113.5	113.5	131.8	153.7	172.0	183.0	205.0	223.3	234.3	226.9	216.0
85°	58.6	62.2	76.9	95.2	109.8	117.1	113.5	102.5	91.5	87.8	80.5
87.5°	18.3	18.3	22.0	22.0	18.3	18.3	22.0	18.3	22.0	22.0	22.0
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)