

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: P532672

Luminaire Tested: **GALN-SA8A-740-U-5WQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P532672
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-SA8A-740-U-5WQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 70 CRI, 4000K, 615mA 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: 31329 lumens
Efficiency: N/A
Efficacy: 128.4 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

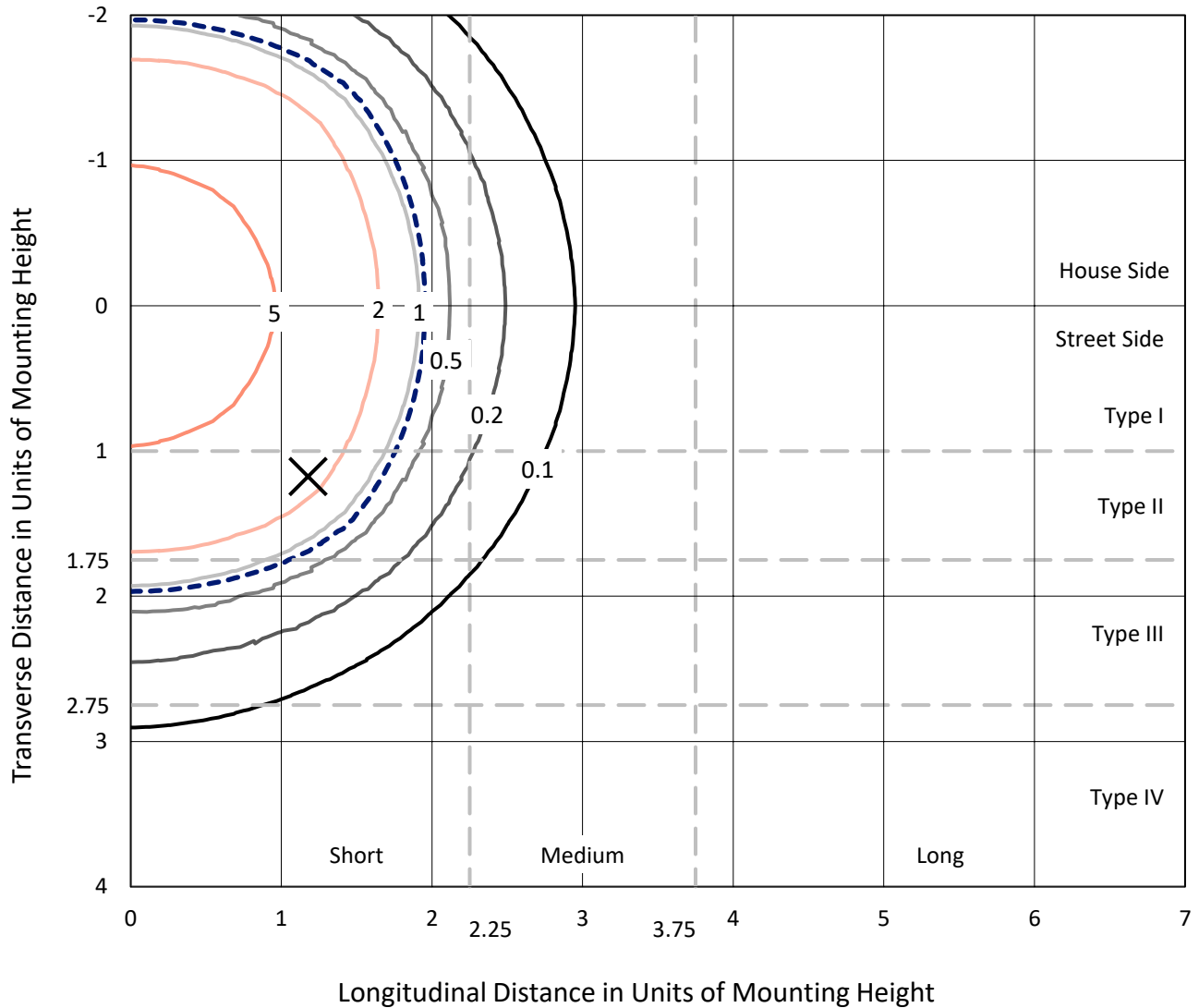
Input Watts (W): 244
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P532672
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Iso-Footcandle Lines of Horizontal Illumination

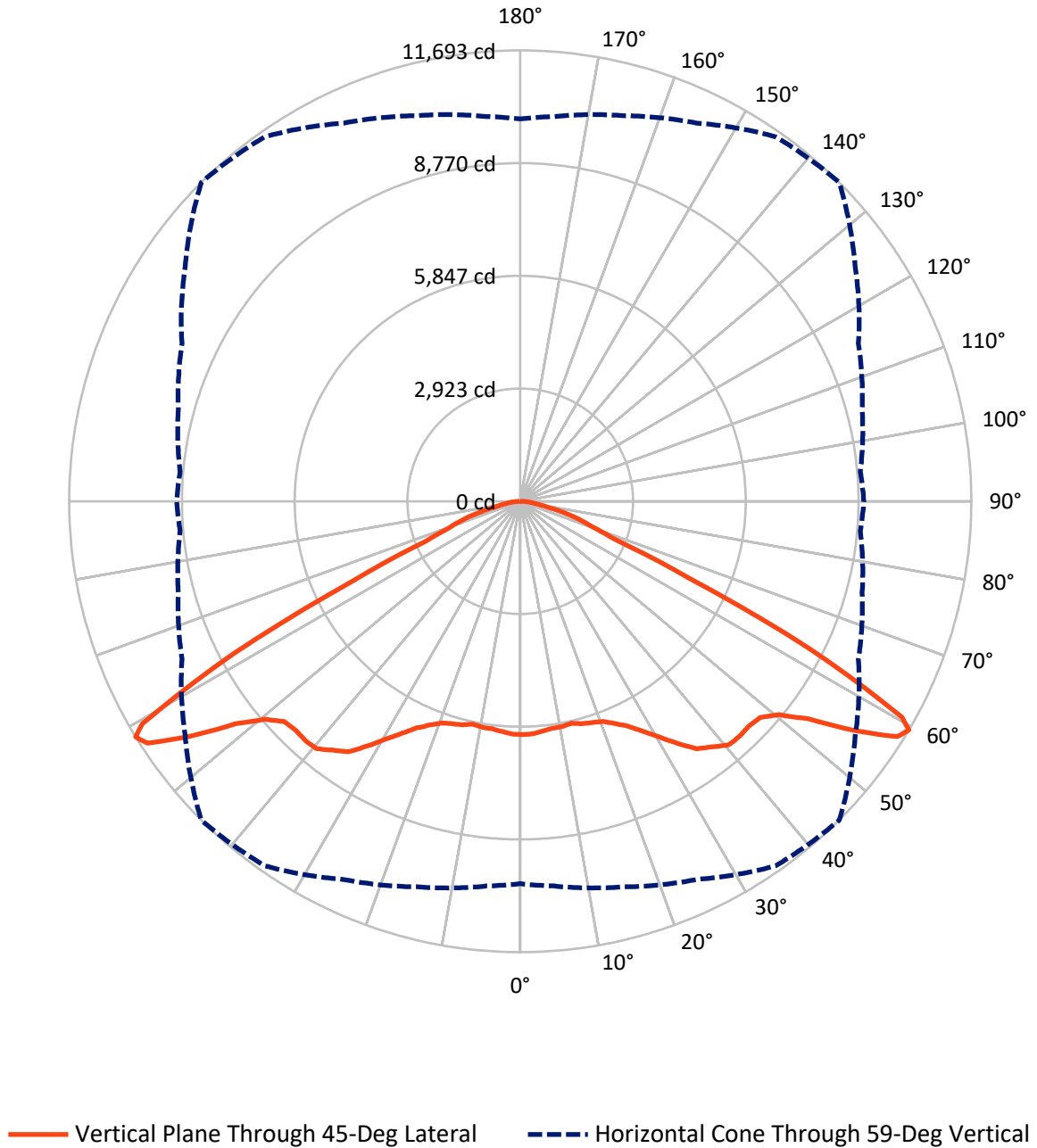
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.7 fc
 Type V - Short - N/A

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CATALOG NUMBER: GALN-SA8A-740-U-5WQ-GRSWH

Luminous Intensity Polar Plot



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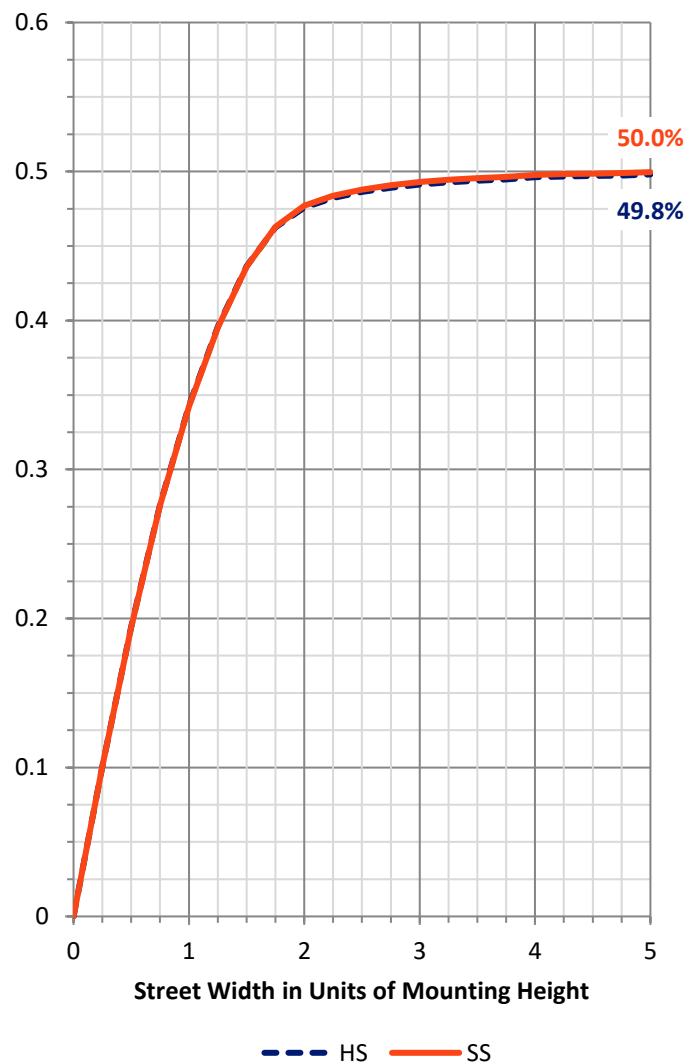
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	15664.5	0.0	15664.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	15664.5	0.0	15664.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	31329.0	0.0	31329.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	570.4	1.8
10°-20°	1696.4	5.4
20°-30°	2962.1	9.5
30°-40°	4730.9	15.1
40°-50°	6444.4	20.6
50°-60°	8714.6	27.8
60°-70°	4779.1	15.3
70°-80°	1222.6	3.9
80°-90°	208.5	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°	31329.0	100.0
0°-180°	31329.0	100.0

Coefficient of Utilization



REPORT NUMBER: P532672

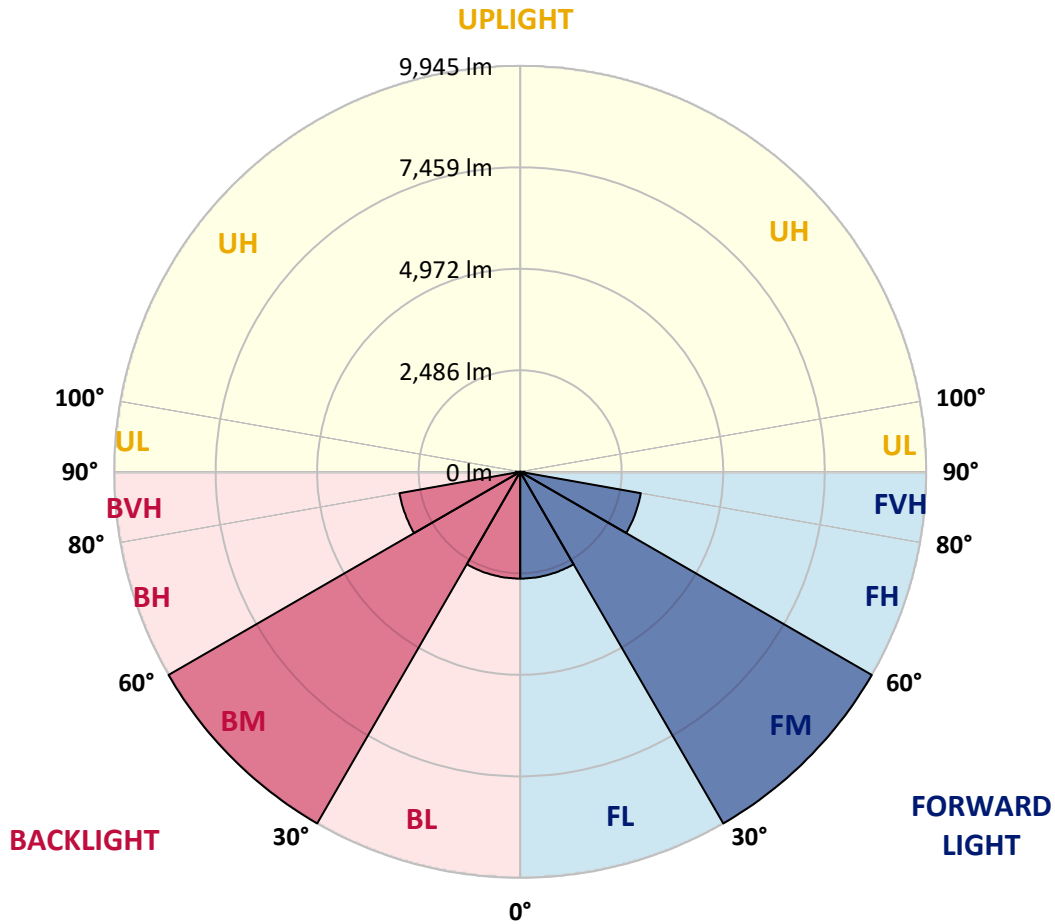
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2614.5	8.3			
FM (30°-60°)	9944.9	31.7			
FH (60°-80°)	3000.9	9.6			G2/5000
FVH (80°-90°)	104.3	0.3			G2/225
BL (0°-30°)	2614.5	8.3	B4/5000		
BM (30°-60°)	9944.9	31.7	B5		
BH (60°-80°)	3000.9	9.6	B4/5000		G2/5000
BVH (80°-90°)	104.3	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°	6051.3	6051.3	6051.3	6051.3	6051.3	6051.3	6051.3	6051.3	6051.3	6051.3	6051.3
2.5°	6015.1	6059.3	6027.2	6055.3	6051.3	6039.2	6019.1	6007.1	5991.0	6015.1	5975.0
5°	5991.0	6027.2	6063.3	6015.1	6015.1	5991.0	5979.0	5954.9	5954.9	5950.9	5946.9
7.5°	6031.2	5995.0	5979.0	5987.0	5995.0	5942.8	5979.0	5930.8	5890.6	5918.8	5950.9
10°	5995.0	6011.1	5950.9	5979.0	5934.8	5942.8	5918.8	5950.9	5906.7	5906.7	5906.7
12.5°	6031.2	5987.0	6007.1	5987.0	5975.0	5906.7	5938.8	5902.7	5898.7	5938.8	5902.7
15°	6103.5	6031.2	6015.1	5975.0	5987.0	5987.0	5954.9	5958.9	5914.7	5938.8	5946.9
17.5°	6079.4	6039.2	6027.2	5979.0	6019.1	6031.2	5971.0	5930.8	5958.9	5954.9	5950.9
20°	6099.4	6115.5	6103.5	6111.5	6127.6	6095.4	6039.2	5983.0	5946.9	5999.1	5995.0
22.5°	6227.9	6211.9	6203.9	6195.8	6223.9	6256.1	6179.8	6091.4	6091.4	6127.6	6143.6
25°	6332.3	6328.3	6324.3	6360.5	6456.8	6456.8	6360.5	6248.0	6219.9	6244.0	6223.9
27.5°	6484.9	6529.1	6513.0	6577.3	6717.8	6750.0	6621.5	6488.9	6412.7	6384.5	6420.7
30°	6834.3	6782.1	6794.1	6862.4	6986.9	7091.3	6894.5	6754.0	6649.6	6645.5	6661.6
32.5°	7067.2	7107.3	7143.5	7207.7	7404.5	7484.8	7247.9	7019.0	6954.7	6918.6	6930.6
35°	7533.0	7496.8	7488.8	7553.0	7749.8	7882.3	7585.2	7384.4	7300.1	7380.4	7380.4
37.5°	7974.7	7874.3	7798.0	7882.3	8063.0	8079.1	7826.1	7717.7	7673.5	7765.9	7761.8
40°	8183.5	8175.4	7998.8	8046.9	8287.9	8312.0	8075.0	7946.6	7938.5	8059.0	8179.4
42.5°	8400.3	8324.0	8147.3	8179.4	8328.0	8336.0	8111.2	8075.0	8163.4	8279.8	8287.9
45°	8436.4	8372.2	8259.8	8179.4	8287.9	8312.0	8179.4	8203.5	8211.6	8352.1	8352.1
47.5°	8508.7	8500.7	8436.4	8376.2	8396.3	8376.2	8291.9	8328.0	8448.5	8516.7	8484.6
50°	8709.5	8625.2	8689.4	8637.2	8641.2	8697.4	8621.1	8657.3	8633.2	8573.0	8532.8
52.5°	9151.2	9111.0	9167.2	9203.4	9243.5	9372.0	9283.7	9091.0	8910.3	8749.6	8745.6
55°	9797.7	9825.8	9934.2	10118.9	10275.5	10480.3	10054.7	9592.9	9303.8	9050.8	9066.9
57.5°	10408.0	10387.9	10536.5	10958.1	11415.9	11520.3	10685.1	10026.5	9556.7	9396.1	9327.9
59°	9918.1	10014.5	10351.8	10821.6	11540.4	11693.0	10600.8	9673.2	9175.3	8850.0	8906.2
60°	9147.2	9183.3	9484.5	10139.0	11110.7	11371.7	10034.6	9127.1	8464.5	8275.8	8360.1
62.5°	6464.9	6436.7	6653.6	7187.6	8059.0	8412.3	7460.7	6822.2	6404.6	6195.8	6244.0
65°	3437.2	3565.7	3654.0	3987.3	4449.1	4822.5	4429.0	4152.0	3919.1	3746.4	3742.4
67.5°	2320.9	2304.9	2324.9	2401.2	2557.8	2662.2	2654.2	2513.7	2493.6	2461.5	2497.6
70°	1955.5	1947.5	1911.3	1911.3	1943.5	1967.6	1995.7	2011.7	2043.9	2084.0	2080.0
72.5°	1586.1	1566.0	1541.9	1529.9	1570.0	1582.1	1618.2	1634.3	1662.4	1658.4	1694.5
75°	1048.0	1048.0	1076.1	1108.3	1120.3	1144.4	1148.4	1196.6	1196.6	1204.6	1172.5
77.5°	586.3	570.2	590.3	622.4	650.5	694.7	738.8	775.0	795.1	787.0	787.0
80°	341.3	341.3	361.4	397.5	433.7	473.8	505.9	534.1	554.1	546.1	530.0
82.5°	212.8	212.8	232.9	269.0	297.1	321.2	365.4	401.5	425.6	417.6	397.5
85°	108.4	108.4	132.5	156.6	192.7	208.8	204.8	188.7	184.7	164.6	164.6
87.5°	28.1	28.1	40.2	44.2	36.1	40.2	40.2	40.2	40.2	40.2	44.2
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)