

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: P532850

Luminaire Tested: **GALN-SA8B-730-U-5MQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P532850
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-SA8B-730-U-5MQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 70 CRI, 3000K, 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: 36936 lumens
Efficiency: N/A
Efficacy: 113.6 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): 325
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

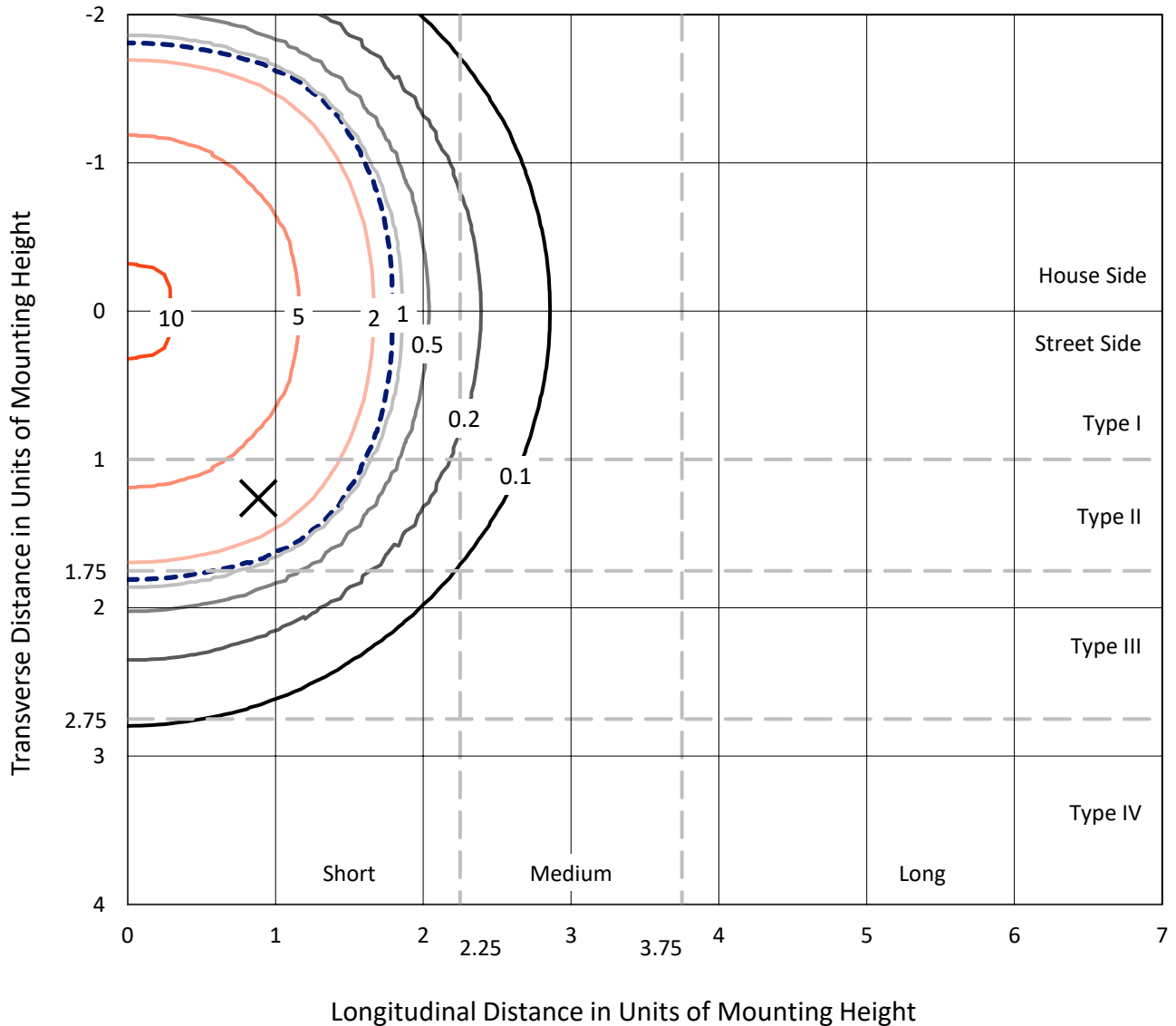




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Iso-Footcandle Lines of Horizontal Illumination

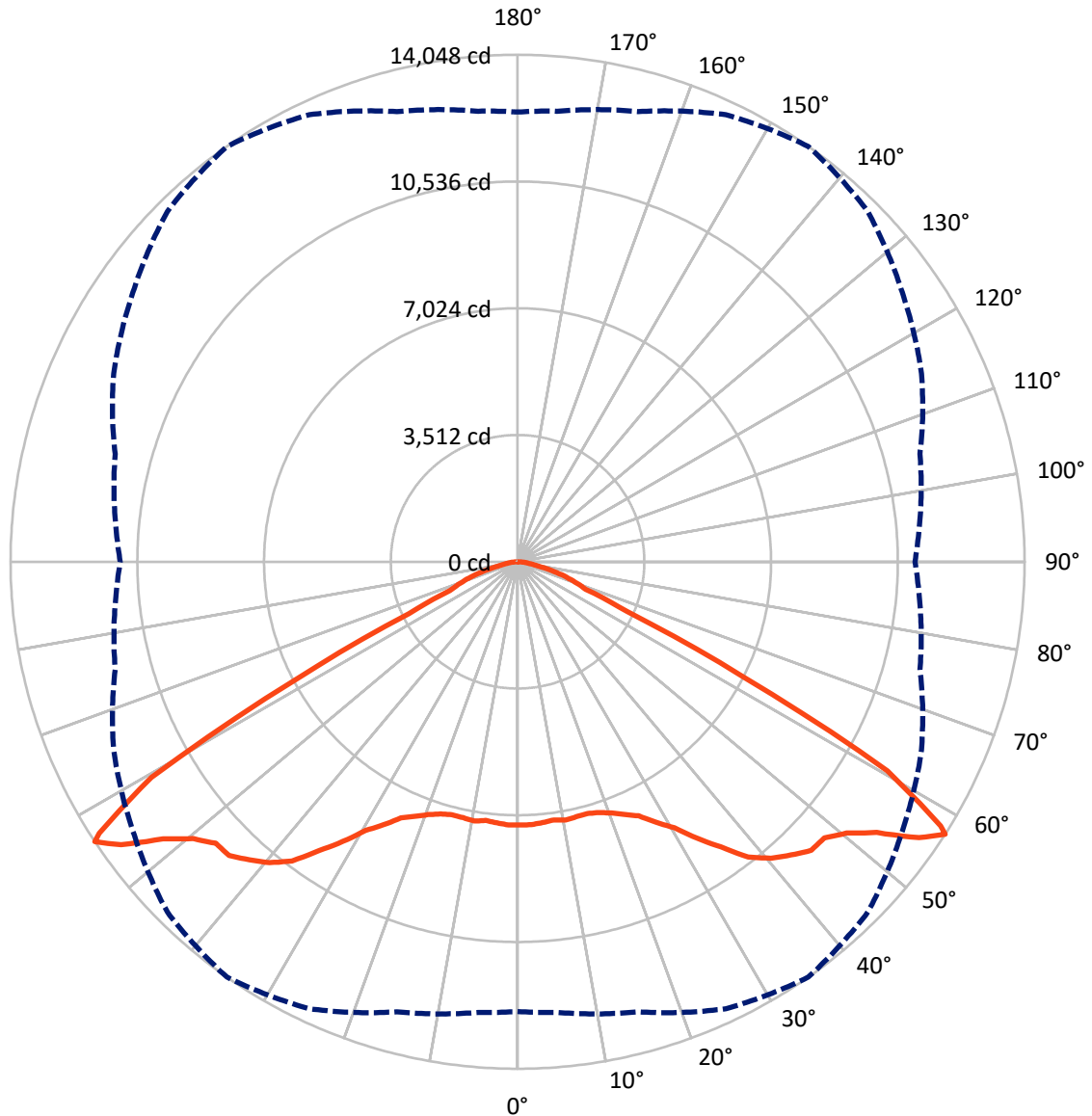
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.7 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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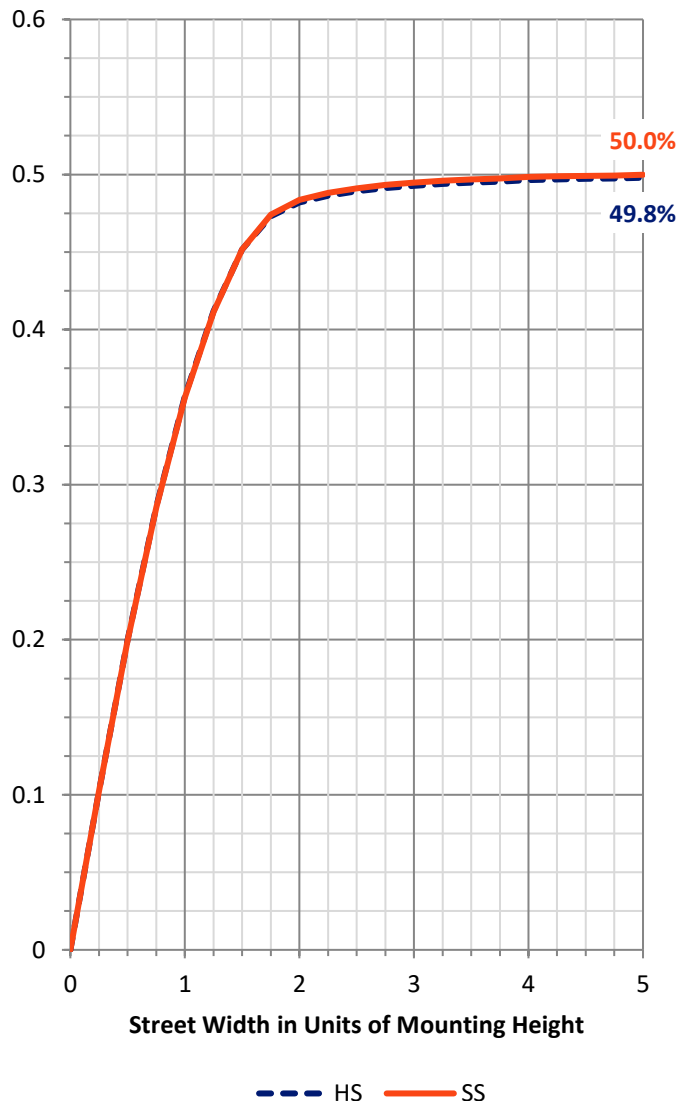
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	18468.0	0.0	18468.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	18468.0	0.0	18468.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	36936.0	0.0	36936.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	691.5	1.9
10°-20°	2048.2	5.5
20°-30°	3577.1	9.7
30°-40°	5861.2	15.9
40°-50°	8594.0	23.3
50°-60°	10824.8	29.3
60°-70°	4071.1	11.0
70°-80°	1082.5	2.9
80°-90°	185.6	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°	36936.0	100.0
0°-180°	36936.0	100.0

Coefficient of Utilization



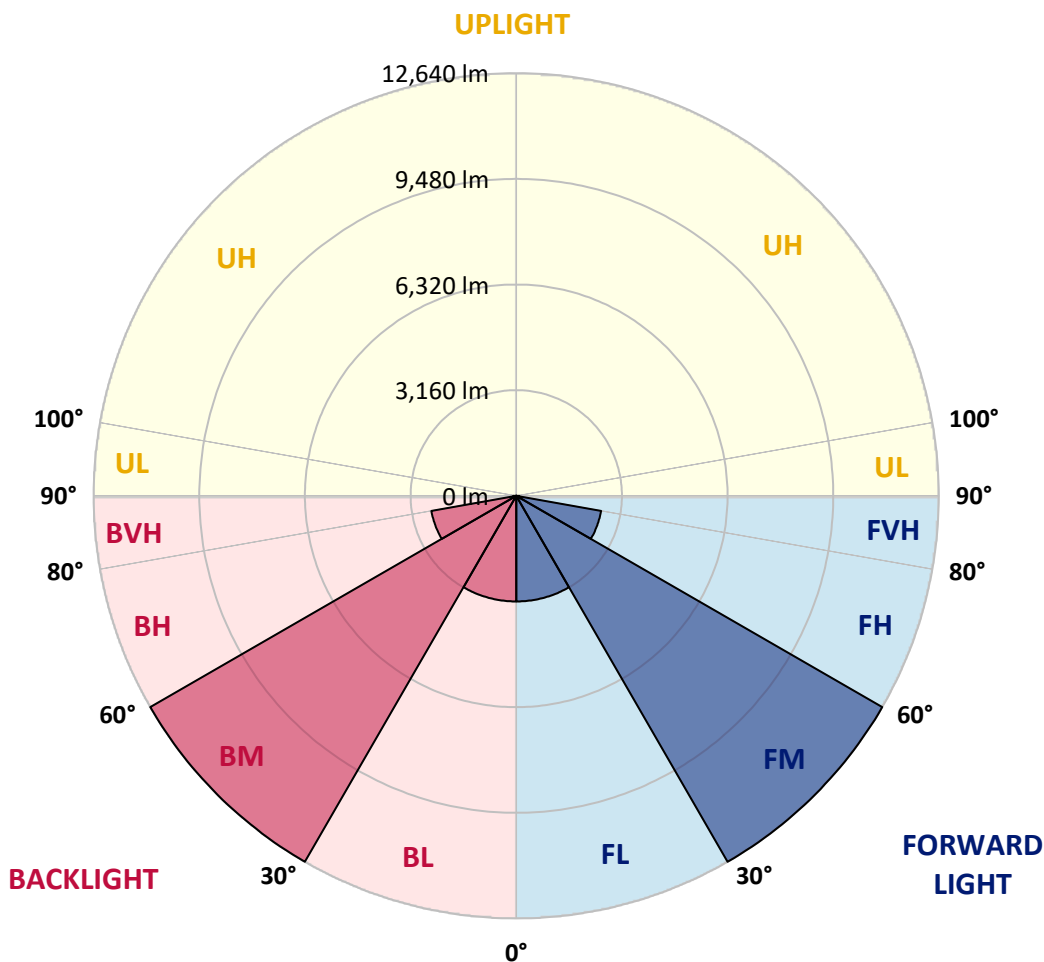
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3158.4	8.6			
FM	(30°-60°)	12640.0	34.2			
FH	(60°-80°)	2576.8	7.0			G2/5000
FVH	(80°-90°)	92.8	0.3			G1/100
BL	(0°-30°)	3158.4	8.6	B4/5000		
BM	(30°-60°)	12640.0	34.2	B5		
BH	(60°-80°)	2576.8	7.0	B4/5000		G2/5000
BVH	(80°-90°)	92.8	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-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	7294.6	7294.6	7294.6	7294.6	7294.6	7294.6	7294.6	7294.6	7294.6	7294.6	7294.6
2.5°	7258.2	7331.0	7299.1	7280.9	7294.6	7271.8	7235.4	7276.4	7267.3	7230.9	7217.2
5°	7240.0	7294.6	7258.2	7294.6	7258.2	7321.9	7303.7	7235.4	7317.3	7240.0	7267.3
7.5°	7226.3	7244.5	7253.6	7235.4	7221.8	7299.1	7258.2	7226.3	7180.8	7167.2	7189.9
10°	7194.5	7240.0	7171.7	7262.7	7280.9	7226.3	7226.3	7167.2	7130.8	7108.0	7185.4
12.5°	7276.4	7199.0	7189.9	7235.4	7249.1	7271.8	7208.1	7176.3	7108.0	7117.1	7103.5
15°	7180.8	7212.7	7217.2	7226.3	7240.0	7294.6	7235.4	7167.2	7139.9	7044.3	7053.4
17.5°	7217.2	7185.4	7217.2	7321.9	7303.7	7344.6	7280.9	7176.3	7112.6	7058.0	7130.8
20°	7280.9	7267.3	7280.9	7408.4	7431.1	7467.5	7412.9	7317.3	7194.5	7130.8	7167.2
22.5°	7349.2	7340.1	7349.2	7472.1	7604.0	7649.5	7594.9	7371.9	7308.2	7189.9	7149.0
25°	7472.1	7481.2	7576.7	7713.2	7799.7	7886.2	7786.1	7626.8	7422.0	7349.2	7262.7
27.5°	7745.1	7767.8	7822.5	8022.7	8172.9	8250.2	8109.1	7890.7	7763.3	7613.1	7590.4
30°	8081.8	8081.8	8177.4	8350.3	8555.1	8673.4	8500.5	8241.1	8086.4	8004.5	7954.4
32.5°	8527.8	8477.7	8514.1	8819.0	9137.6	9237.7	9005.6	8687.1	8441.3	8332.1	8295.7
35°	8910.0	8941.9	9023.8	9351.5	9706.4	9938.5	9574.4	9160.3	8910.0	8809.9	8791.7
37.5°	9406.1	9460.7	9501.6	9952.1	10379.9	10466.3	10116.0	9783.8	9478.9	9397.0	9351.5
40°	10106.8	10070.4	10084.1	10416.3	10803.1	10857.7	10511.9	10275.2	10024.9	9974.9	9974.9
42.5°	10684.8	10643.8	10689.3	10812.2	11108.0	11067.0	10875.9	10703.0	10598.3	10543.7	10598.3
45°	11035.2	11026.1	11108.0	11199.0	11408.3	11271.8	11121.6	11148.9	11048.8	10957.8	10953.3
47.5°	11417.4	11358.3	11458.4	11594.9	11435.6	11371.9	11362.8	11422.0	11390.1	11230.8	11180.8
50°	11604.0	11581.2	11740.5	11899.8	11813.3	11667.7	11699.6	11795.1	11385.6	11171.7	11048.8
52.5°	12104.6	12109.1	12414.0	12500.5	12464.1	12250.2	12318.4	12059.1	11576.7	11276.3	11290.0
55°	12891.8	12860.0	13201.2	13456.1	13497.0	13224.0	12896.4	12532.3	11927.1	11622.2	11531.2
57°	12459.5	12532.3	12910.0	13665.4	14047.7	13724.6	13010.1	12345.7	11540.3	11171.7	11007.9
57.5°	11881.6	11999.9	12655.2	13415.1	13815.6	13788.3	12869.1	11999.9	11280.9	10707.5	10721.2
60°	8705.3	8728.0	9319.6	10525.5	11776.9	11804.2	10684.8	9533.5	8732.6	8109.1	8195.6
62.5°	4591.5	4696.2	4932.8	5902.1	6985.1	7249.1	6571.0	5979.5	5287.8	4814.5	4860.0
65°	2430.0	2416.4	2530.1	2803.2	3335.6	3472.1	3381.1	2912.4	2671.2	2593.8	2598.4
67.5°	1975.0	1997.7	1984.1	1997.7	2034.1	2093.3	2079.6	2097.8	2111.5	2134.2	2129.7
70°	1674.6	1674.6	1683.7	1688.3	1688.3	1715.6	1747.4	1806.6	1811.1	1833.9	1843.0
72.5°	1319.7	1310.6	1324.2	1356.1	1360.6	1383.4	1428.9	1465.3	1478.9	1478.9	1451.6
75°	896.5	905.6	923.8	951.1	978.4	1019.3	1055.7	1078.5	1087.6	1073.9	1060.3
77.5°	505.1	514.2	527.9	568.8	600.7	637.1	678.0	700.8	723.5	728.1	700.8
80°	300.3	300.3	323.1	354.9	391.4	427.8	464.2	491.5	500.6	500.6	486.9
82.5°	182.0	186.6	204.8	236.6	268.5	291.2	323.1	345.8	364.0	359.5	350.4
85°	95.6	95.6	113.8	141.1	163.8	186.6	186.6	172.9	163.8	141.1	132.0
87.5°	31.9	27.3	36.4	36.4	31.9	36.4	36.4	41.0	41.0	41.0	41.0
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)