

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: P532616

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

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P532616
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-SA8A-730-U-5MQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 70 CRI, 3000K, 615mA 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: 29685 lumens
Efficiency: N/A
Efficacy: 121.7 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

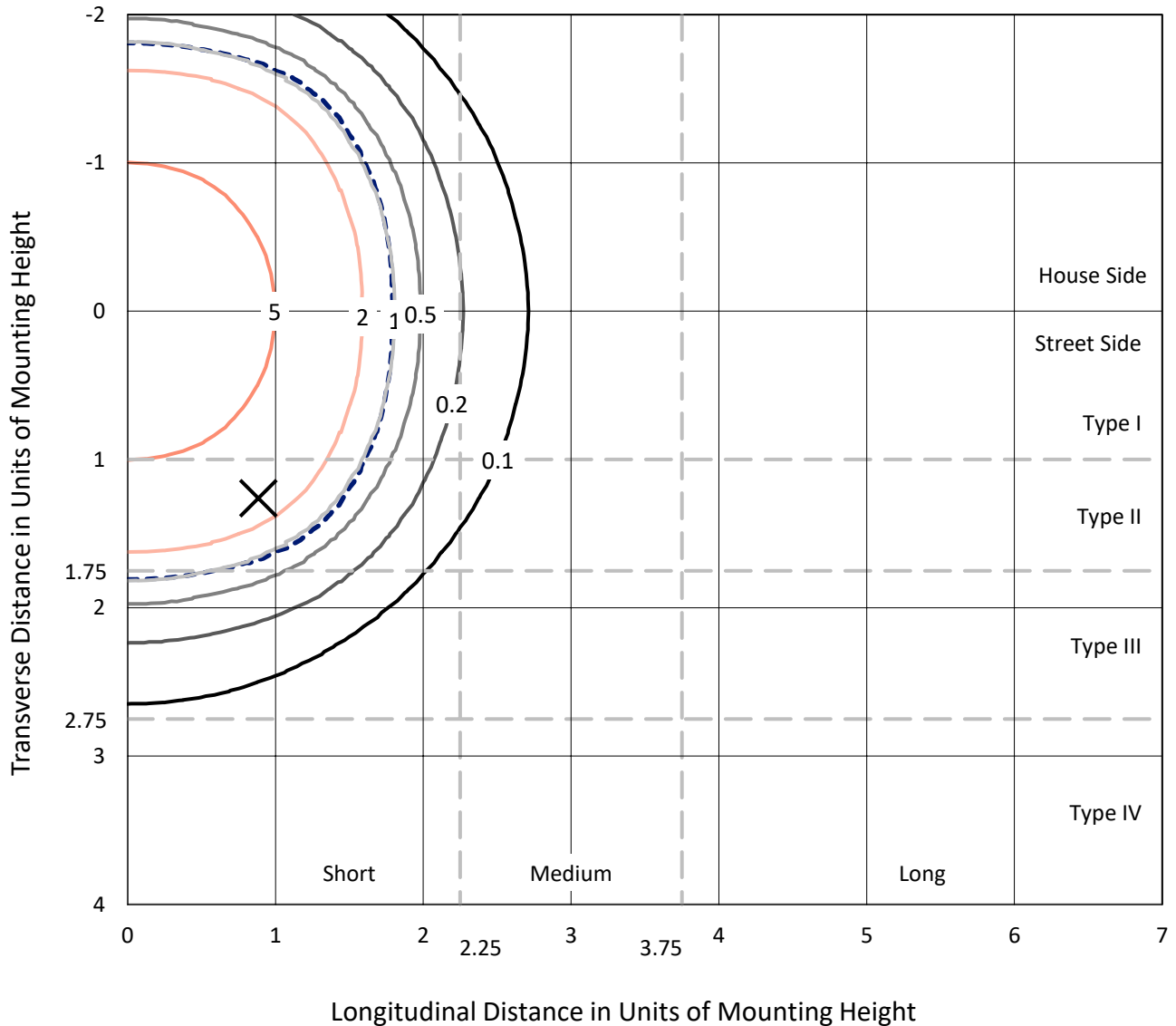




REPORT NUMBER: P532616
 CATALOG NUMBER: GALN-SA8A-730-U-5MQ-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

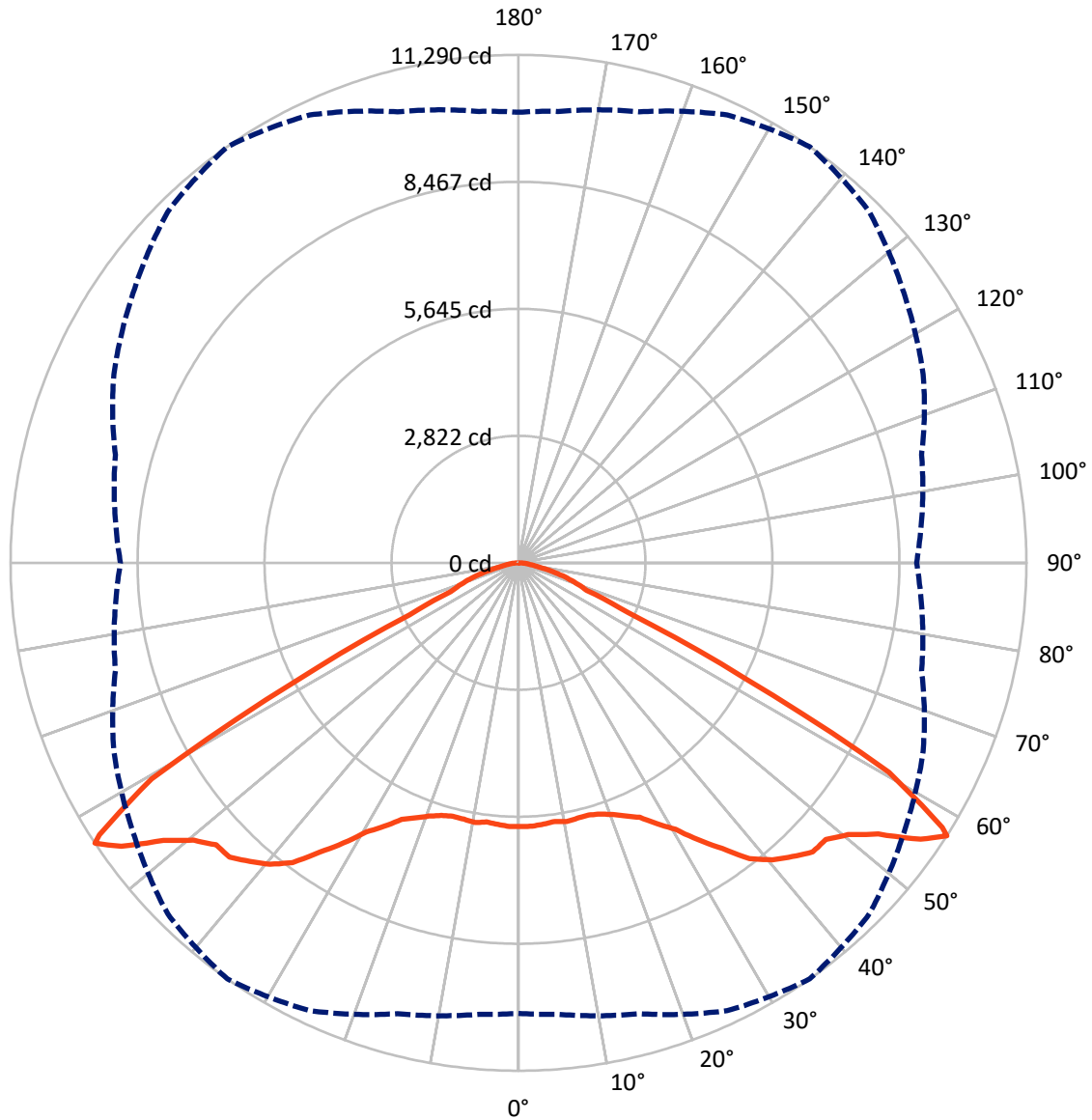
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.4 fc
 Type V - Short - N/A

REPORT NUMBER: P532616
CATALOG NUMBER: GALN-SA8A-730-U-5MQ-GRSWH

Luminous Intensity Polar Plot



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

REPORT NUMBER: P532616
 CATALOG NUMBER: GALN-SA8A-730-U-5MQ-GRSWH

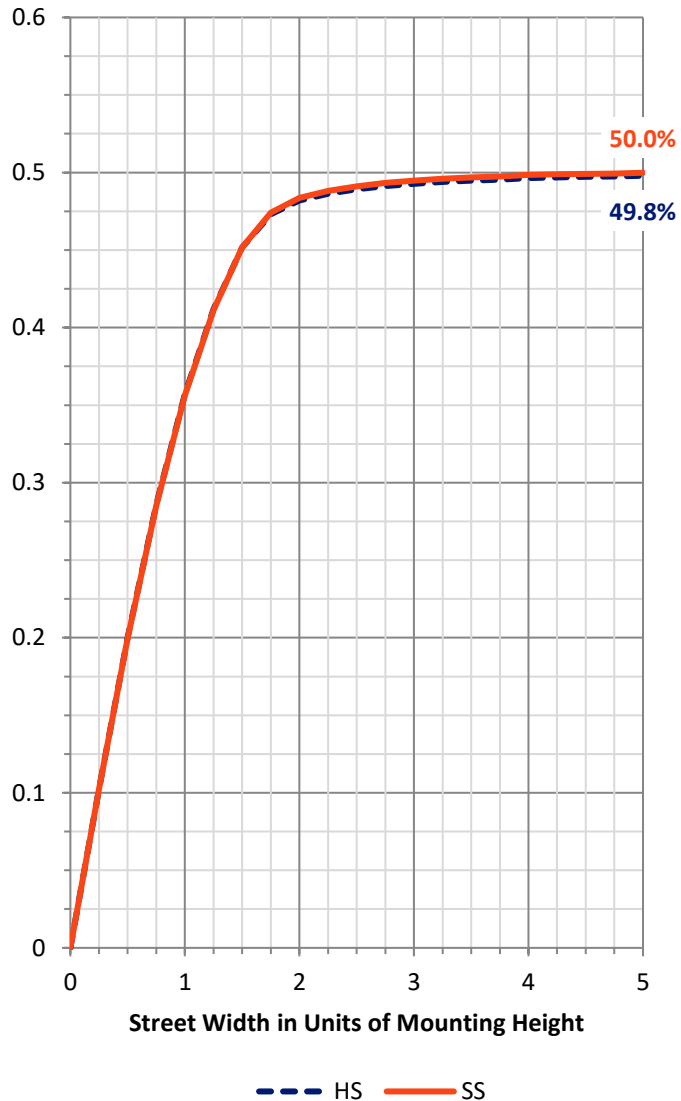
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	14842.5	0.0	14842.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	14842.5	0.0	14842.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	29685.0	0.0	29685.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	555.8	1.9
10°-20°	1646.1	5.5
20°-30°	2874.9	9.7
30°-40°	4710.6	15.9
40°-50°	6906.9	23.3
50°-60°	8699.7	29.3
60°-70°	3271.9	11.0
70°-80°	870.0	2.9
80°-90°	149.2	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°	29685.0	100.0
0°-180°	29685.0	100.0

Coefficient of Utilization

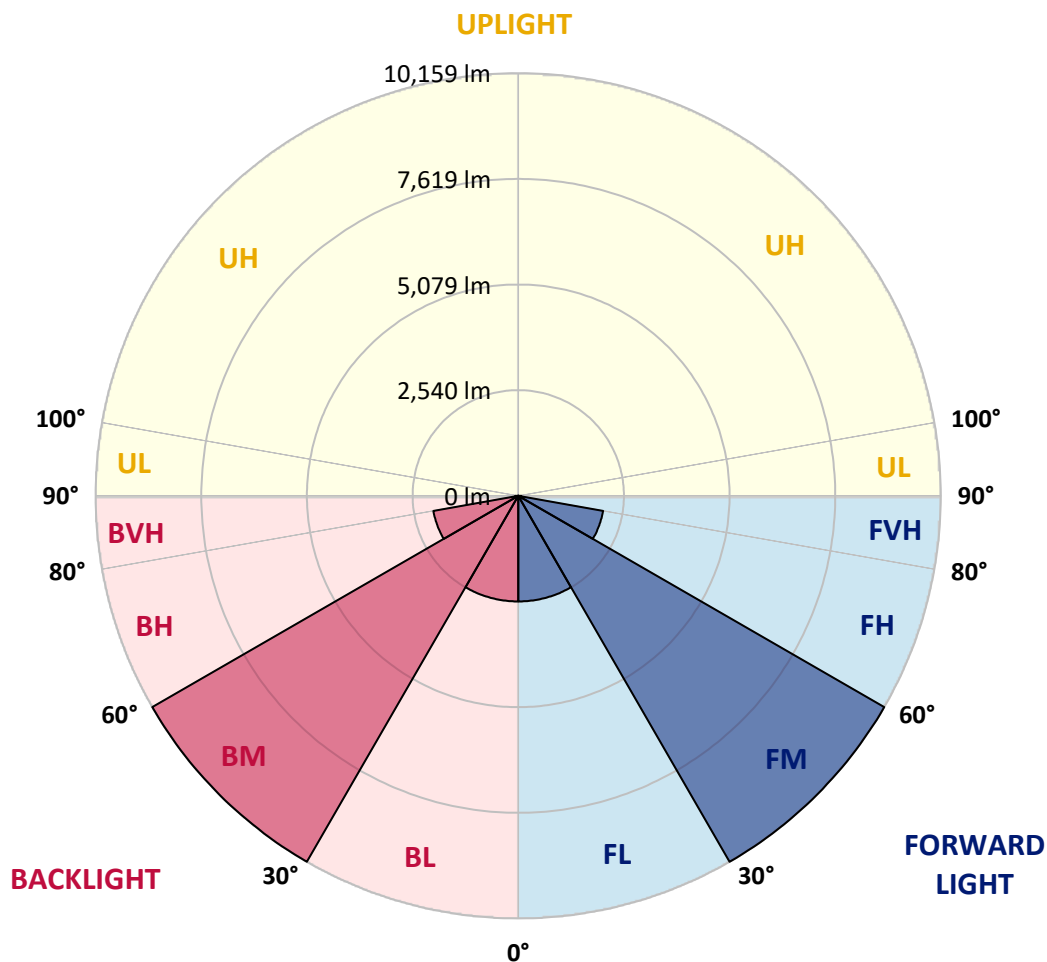


REPORT NUMBER: P532616
 CATALOG NUMBER: GALN-SA8A-730-U-5MQ-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2538.4	8.6			
FM (30°-60°)	10158.6	34.2			
FH (60°-80°)	2070.9	7.0			G2/5000
FVH (80°-90°)	74.6	0.3			G1/100
BL (0°-30°)	2538.4	8.6	B4/5000		
BM (30°-60°)	10158.6	34.2	B5		
BH (60°-80°)	2070.9	7.0	B3/2500		G2/5000
BVH (80°-90°)	74.6	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





REPORT NUMBER: P532616

CATALOG NUMBER: GALN-SA8A-730-U-5MQ-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	5862.6	5862.6	5862.6	5862.6	5862.6	5862.6	5862.6	5862.6	5862.6	5862.6	5862.6
2.5°	5833.3	5891.8	5866.2	5851.6	5862.6	5844.3	5815.0	5847.9	5840.6	5811.4	5800.4
5°	5818.7	5862.6	5833.3	5862.6	5833.3	5884.5	5869.9	5815.0	5880.9	5818.7	5840.6
7.5°	5807.7	5822.3	5829.7	5815.0	5804.1	5866.2	5833.3	5807.7	5771.1	5760.2	5778.5
10°	5782.1	5818.7	5763.8	5837.0	5851.6	5807.7	5807.7	5760.2	5730.9	5712.6	5774.8
12.5°	5847.9	5785.8	5778.5	5815.0	5826.0	5844.3	5793.1	5767.5	5712.6	5719.9	5709.0
15°	5771.1	5796.7	5800.4	5807.7	5818.7	5862.6	5815.0	5760.2	5738.2	5661.4	5668.7
17.5°	5800.4	5774.8	5800.4	5884.5	5869.9	5902.8	5851.6	5767.5	5716.3	5672.4	5730.9
20°	5851.6	5840.6	5851.6	5954.0	5972.3	6001.5	5957.7	5880.9	5782.1	5730.9	5760.2
22.5°	5906.5	5899.1	5906.5	6005.2	6111.3	6147.8	6103.9	5924.7	5873.5	5778.5	5745.5
25°	6005.2	6012.5	6089.3	6199.0	6268.5	6338.0	6257.6	6129.5	5965.0	5906.5	5837.0
27.5°	6224.6	6242.9	6286.8	6447.7	6568.4	6630.6	6517.2	6341.7	6239.3	6118.6	6100.3
30°	6495.3	6495.3	6572.1	6711.1	6875.6	6970.7	6831.7	6623.3	6498.9	6433.1	6392.9
32.5°	6853.7	6813.5	6842.7	7087.7	7343.8	7424.2	7237.7	6981.7	6784.2	6696.4	6667.2
35°	7160.9	7186.5	7252.3	7515.6	7800.9	7987.4	7694.9	7362.0	7160.9	7080.4	7065.8
37.5°	7559.5	7603.4	7636.3	7998.4	8342.2	8411.7	8130.1	7863.1	7618.0	7552.2	7515.6
40°	8122.7	8093.5	8104.5	8371.4	8682.3	8726.2	8448.2	8258.1	8056.9	8016.7	8016.7
42.5°	8587.2	8554.3	8590.9	8689.6	8927.3	8894.4	8740.8	8601.8	8517.7	8473.8	8517.7
45°	8868.8	8861.5	8927.3	9000.5	9168.7	9059.0	8938.3	8960.3	8879.8	8806.7	8803.0
47.5°	9176.0	9128.5	9209.0	9318.7	9190.7	9139.5	9132.1	9179.7	9154.1	9026.1	8985.9
50°	9326.0	9307.7	9435.7	9563.7	9494.2	9377.2	9402.8	9479.6	9150.4	8978.5	8879.8
52.5°	9728.3	9731.9	9977.0	10046.5	10017.2	9845.3	9900.2	9691.7	9304.0	9062.7	9073.6
55°	10361.0	10335.4	10609.7	10814.5	10847.4	10628.0	10364.6	10072.1	9585.6	9340.6	9267.5
57°	10013.5	10072.1	10375.6	10982.7	11289.9	11030.3	10456.1	9922.1	9274.8	8978.5	8846.9
57.5°	9549.1	9644.2	10170.8	10781.6	11103.4	11081.5	10342.7	9644.2	9066.3	8605.5	8616.5
60°	6996.3	7014.6	7490.0	8459.2	9465.0	9486.9	8587.2	7661.9	7018.3	6517.2	6586.7
62.5°	3690.2	3774.3	3964.5	4743.5	5613.9	5826.0	5281.1	4805.6	4249.7	3869.4	3905.9
65°	1953.0	1942.0	2033.4	2252.9	2680.8	2790.5	2717.3	2340.6	2146.8	2084.6	2088.3
67.5°	1587.2	1605.5	1594.6	1605.5	1634.8	1682.3	1671.4	1686.0	1697.0	1715.2	1711.6
70°	1345.9	1345.9	1353.2	1356.8	1356.8	1378.8	1404.4	1451.9	1455.6	1473.9	1481.2
72.5°	1060.6	1053.3	1064.3	1089.9	1093.5	1111.8	1148.4	1177.6	1188.6	1188.6	1166.7
75°	720.5	727.8	742.4	764.4	786.3	819.2	848.5	866.8	874.1	863.1	852.1
77.5°	406.0	413.3	424.2	457.2	482.8	512.0	544.9	563.2	581.5	585.2	563.2
80°	241.4	241.4	259.7	285.3	314.5	343.8	373.0	395.0	402.3	402.3	391.3
82.5°	146.3	149.9	164.6	190.2	215.8	234.1	259.7	278.0	292.6	288.9	281.6
85°	76.8	76.8	91.4	113.4	131.7	149.9	149.9	139.0	131.7	113.4	106.1
87.5°	25.6	21.9	29.3	29.3	25.6	29.3	29.3	32.9	32.9	32.9	32.9
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)