

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: P528638

Luminaire Tested: **GALN-SA3D-730-U-5MQ-GRSWH**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P528638  
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-SA3D-730-U-5MQ-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(3) 70 CRI, 3000K, 1200mA 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: 18563 lumens  
Efficiency: N/A  
Efficacy: 100.9 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G1

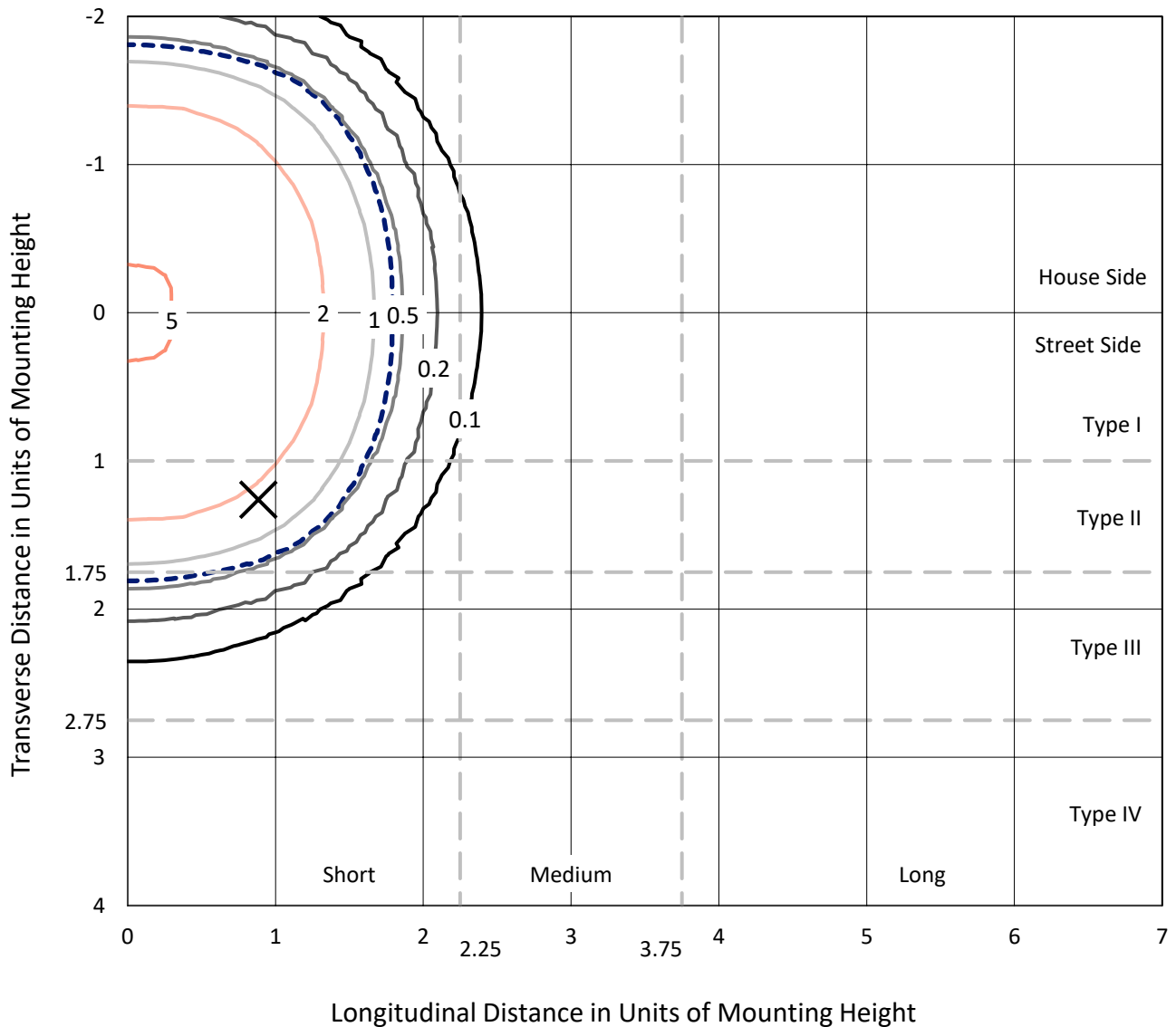
Input Watts (W): 184  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P528638  
 CATALOG NUMBER: GALN-SA3D-730-U-5MQ-GRSWH

### Iso-Footcandle Lines of Horizontal Illumination

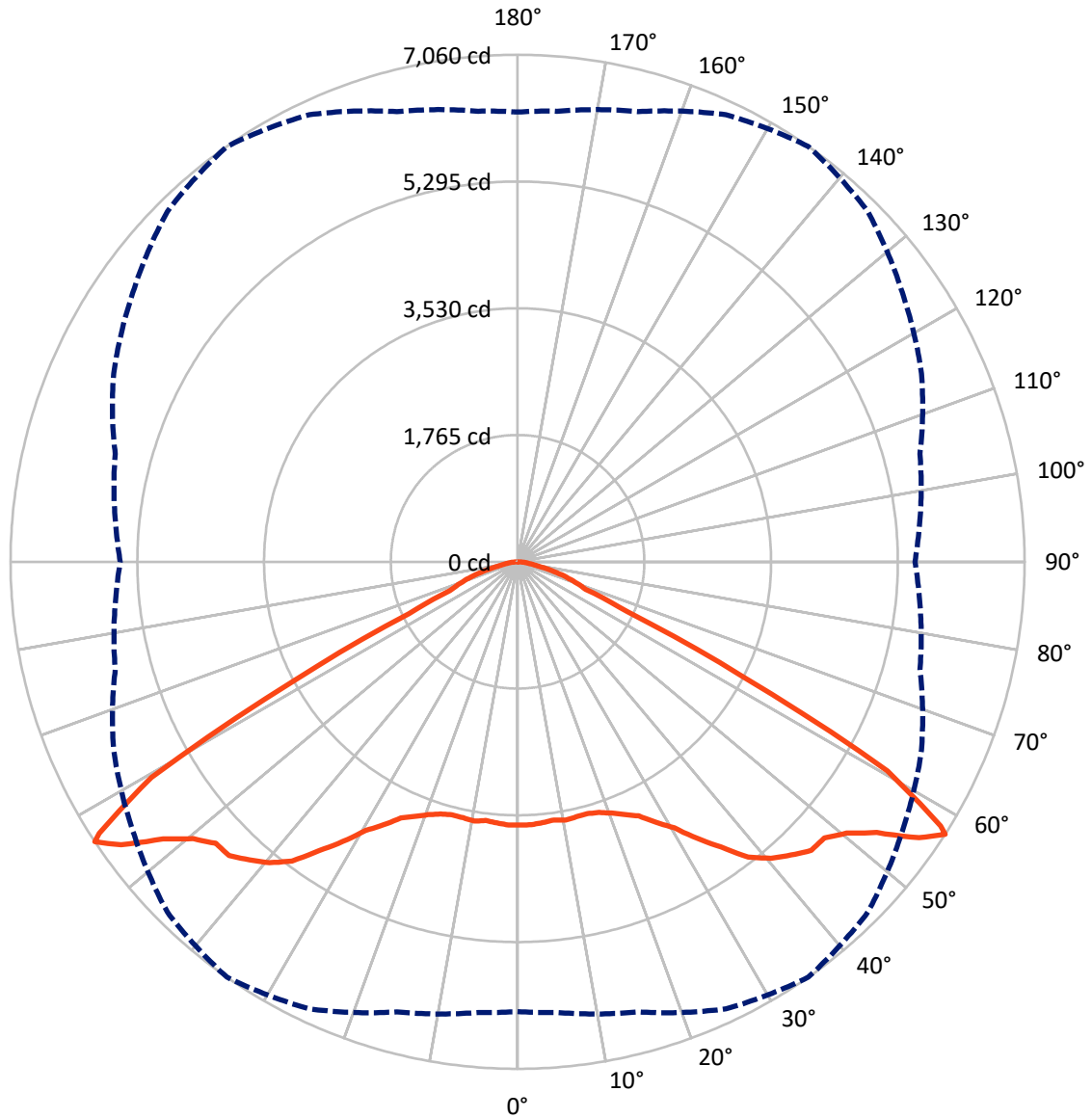
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.9 fc  
 Type V - Short - N/A

REPORT NUMBER: P528638  
CATALOG NUMBER: GALN-SA3D-730-U-5MQ-GRSWH

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P528638  
 CATALOG NUMBER: GALN-SA3D-730-U-5MQ-GRSWH

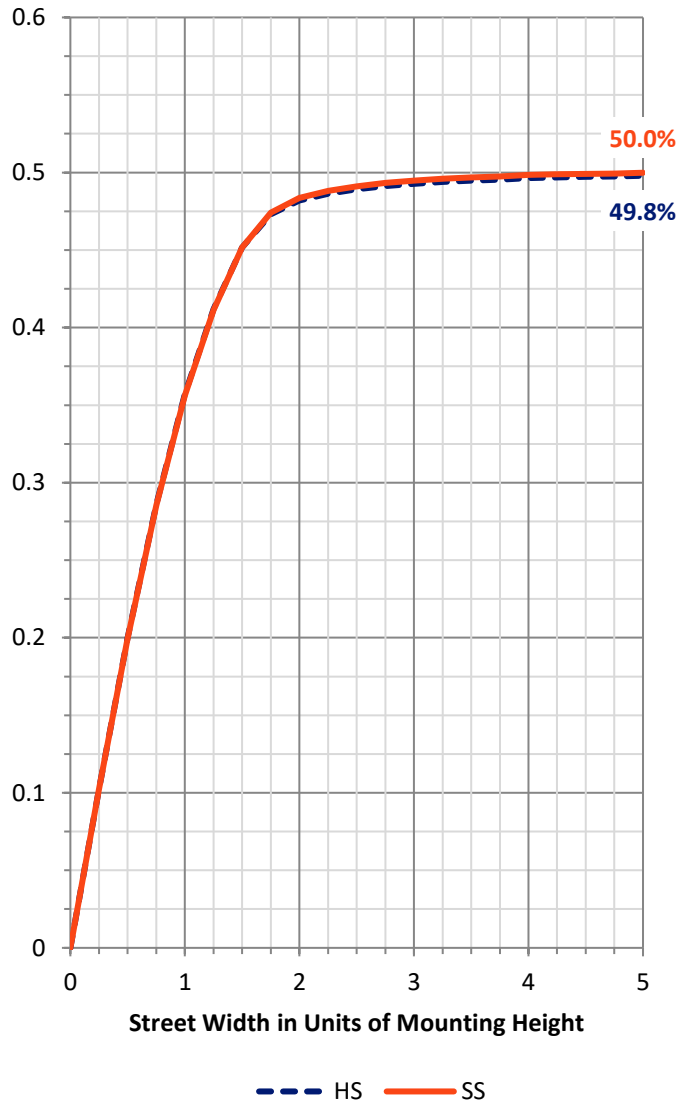
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	9281.5	0.0	9281.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	9281.5	0.0	9281.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	18563.0	0.0	18563.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	347.6	1.9
10°-20°	1029.4	5.5
20°-30°	1797.8	9.7
30°-40°	2945.7	15.9
40°-50°	4319.1	23.3
50°-60°	5440.2	29.3
60°-70°	2046.0	11.0
70°-80°	544.0	2.9
80°-90°	93.3	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°	18563.0	100.0
0°-180°	18563.0	100.0

**Coefficient of Utilization**

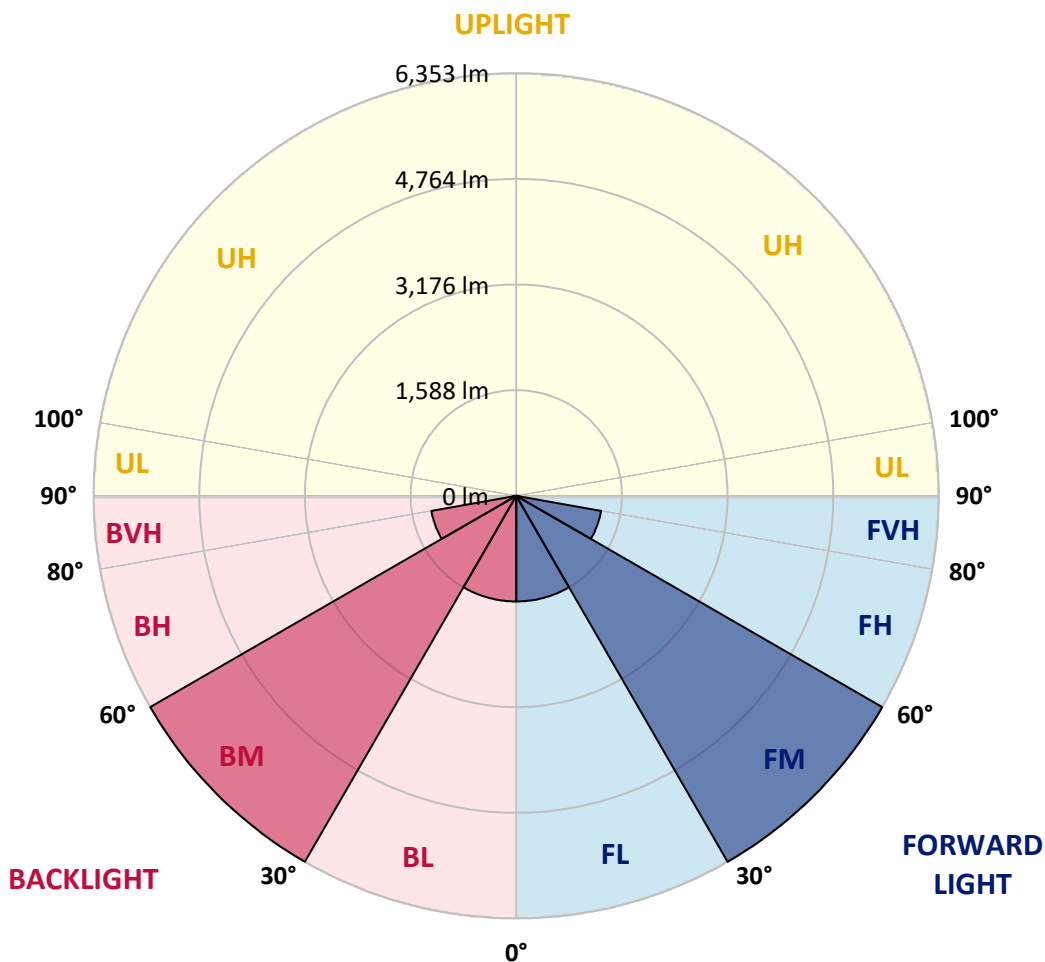


REPORT NUMBER: P528638  
 CATALOG NUMBER: GALN-SA3D-730-U-5MQ-GRSWH

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1587.3	8.6			
FM (30°-60°)	6352.5	34.2			
FH (60°-80°)	1295.0	7.0			G1/1800
FVH (80°-90°)	46.6	0.3			G1/100
BL (0°-30°)	1587.3	8.6	B3/2500		
BM (30°-60°)	6352.5	34.2	B4/8500		
BH (60°-80°)	1295.0	7.0	B3/2500		G1/1800
BVH (80°-90°)	46.6	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G1**  
 Type V Short





REPORT NUMBER: P528638

CATALOG NUMBER: GALN-SA3D-730-U-5MQ-GRSWH

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3666.1	3666.1	3666.1	3666.1	3666.1	3666.1	3666.1	3666.1	3666.1	3666.1	3666.1
2.5°	3647.8	3684.4	3668.3	3659.2	3666.1	3654.6	3636.3	3656.9	3652.3	3634.0	3627.2
5°	3638.6	3666.1	3647.8	3666.1	3647.8	3679.8	3670.6	3636.3	3677.5	3638.6	3652.3
7.5°	3631.8	3640.9	3645.5	3636.3	3629.5	3668.3	3647.8	3631.8	3608.9	3602.0	3613.5
10°	3615.7	3638.6	3604.3	3650.0	3659.2	3631.8	3631.8	3602.0	3583.7	3572.3	3611.2
12.5°	3656.9	3618.0	3613.5	3636.3	3643.2	3654.6	3622.6	3606.6	3572.3	3576.9	3570.0
15°	3608.9	3624.9	3627.2	3631.8	3638.6	3666.1	3636.3	3602.0	3588.3	3540.3	3544.8
17.5°	3627.2	3611.2	3627.2	3679.8	3670.6	3691.2	3659.2	3606.6	3574.6	3547.1	3583.7
20°	3659.2	3652.3	3659.2	3723.2	3734.7	3753.0	3725.5	3677.5	3615.7	3583.7	3602.0
22.5°	3693.5	3688.9	3693.5	3755.2	3821.6	3844.4	3817.0	3704.9	3672.9	3613.5	3592.9
25°	3755.2	3759.8	3807.8	3876.5	3919.9	3963.4	3913.1	3833.0	3730.1	3693.5	3650.0
27.5°	3892.5	3903.9	3931.3	4032.0	4107.4	4146.3	4075.4	3965.7	3901.6	3826.1	3814.7
30°	4061.7	4061.7	4109.7	4196.6	4299.6	4359.0	4272.1	4141.8	4064.0	4022.8	3997.7
32.5°	4285.8	4260.7	4279.0	4432.2	4592.3	4642.6	4526.0	4365.9	4242.4	4187.5	4169.2
35°	4477.9	4493.9	4535.1	4699.8	4878.2	4994.8	4811.8	4603.7	4477.9	4427.6	4418.5
37.5°	4727.2	4754.7	4775.2	5001.7	5216.6	5260.1	5084.0	4917.0	4763.8	4722.6	4699.8
40°	5079.4	5061.1	5068.0	5234.9	5429.3	5456.8	5283.0	5164.0	5038.3	5013.1	5013.1
42.5°	5369.9	5349.3	5372.2	5433.9	5582.6	5562.0	5465.9	5379.0	5326.4	5299.0	5326.4
45°	5546.0	5541.4	5582.6	5628.3	5733.5	5664.9	5589.4	5603.1	5552.8	5507.1	5504.8
47.5°	5738.1	5708.3	5758.7	5827.3	5747.2	5715.2	5710.6	5740.4	5724.4	5644.3	5619.2
50°	5831.8	5820.4	5900.5	5980.5	5937.0	5863.9	5879.9	5927.9	5722.1	5614.6	5552.8
52.5°	6083.4	6085.7	6238.9	6282.4	6264.1	6156.6	6190.9	6060.5	5818.1	5667.2	5674.0
55°	6479.1	6463.1	6634.6	6762.6	6783.2	6646.0	6481.3	6298.4	5994.2	5841.0	5795.2
57°	6261.8	6298.4	6488.2	6867.9	7060.0	6897.6	6538.5	6204.6	5799.8	5614.6	5532.2
57.5°	5971.3	6030.8	6360.1	6742.1	6943.3	6929.6	6467.6	6030.8	5669.5	5381.3	5388.2
60°	4375.0	4386.5	4683.8	5289.8	5918.7	5932.5	5369.9	4791.3	4388.7	4075.4	4118.9
62.5°	2307.6	2360.2	2479.1	2966.2	3510.5	3643.2	3302.4	3005.1	2657.5	2419.6	2442.5
65°	1221.3	1214.4	1271.6	1408.8	1676.4	1745.0	1699.2	1463.7	1342.5	1303.6	1305.9
67.5°	992.6	1004.0	997.1	1004.0	1022.3	1052.0	1045.2	1054.3	1061.2	1072.6	1070.3
70°	841.6	841.6	846.2	848.5	848.5	862.2	878.2	907.9	910.2	921.7	926.2
72.5°	663.2	658.7	665.5	681.5	683.8	695.2	718.1	736.4	743.3	743.3	729.6
75°	450.5	455.1	464.3	478.0	491.7	512.3	530.6	542.0	546.6	539.7	532.9
77.5°	253.9	258.4	265.3	285.9	301.9	320.2	340.8	352.2	363.6	365.9	352.2
80°	150.9	150.9	162.4	178.4	196.7	215.0	233.3	247.0	251.6	251.6	244.7
82.5°	91.5	93.8	102.9	118.9	134.9	146.4	162.4	173.8	183.0	180.7	176.1
85°	48.0	48.0	57.2	70.9	82.3	93.8	93.8	86.9	82.3	70.9	66.3
87.5°	16.0	13.7	18.3	18.3	16.0	18.3	18.3	20.6	20.6	20.6	20.6
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)