

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: P531216

Luminaire Tested: **GALN-SA6C-730-U-5WQ-GRSWH**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P531216  
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-SA6C-730-U-5WQ-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(6) 70 CRI, 3000K, 1050mA 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: 32211 lumens  
Efficiency: N/A  
Efficacy: 100.3 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G2

Input Watts (W): 321  
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

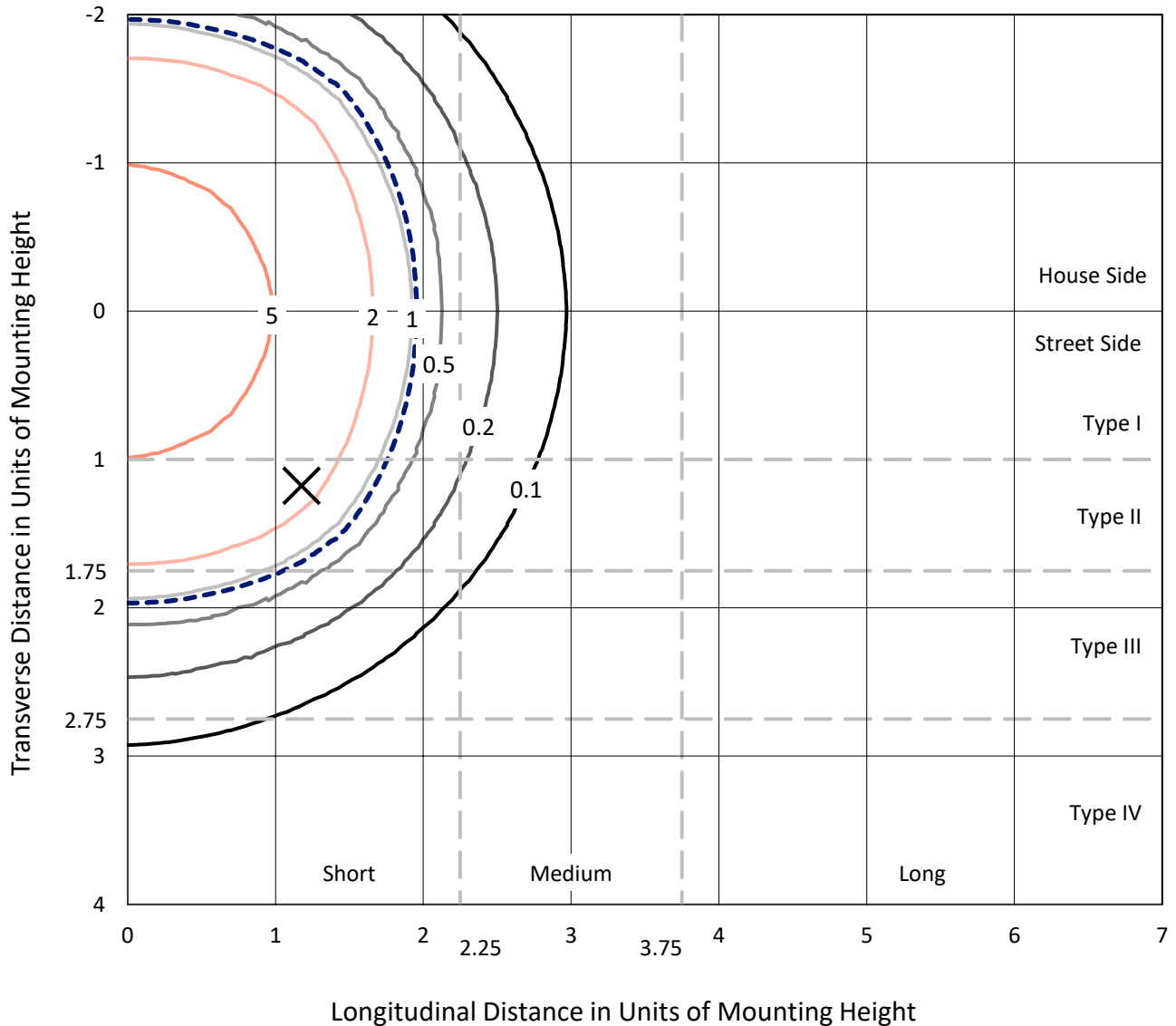




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### Iso-Footcandle Lines of Horizontal Illumination

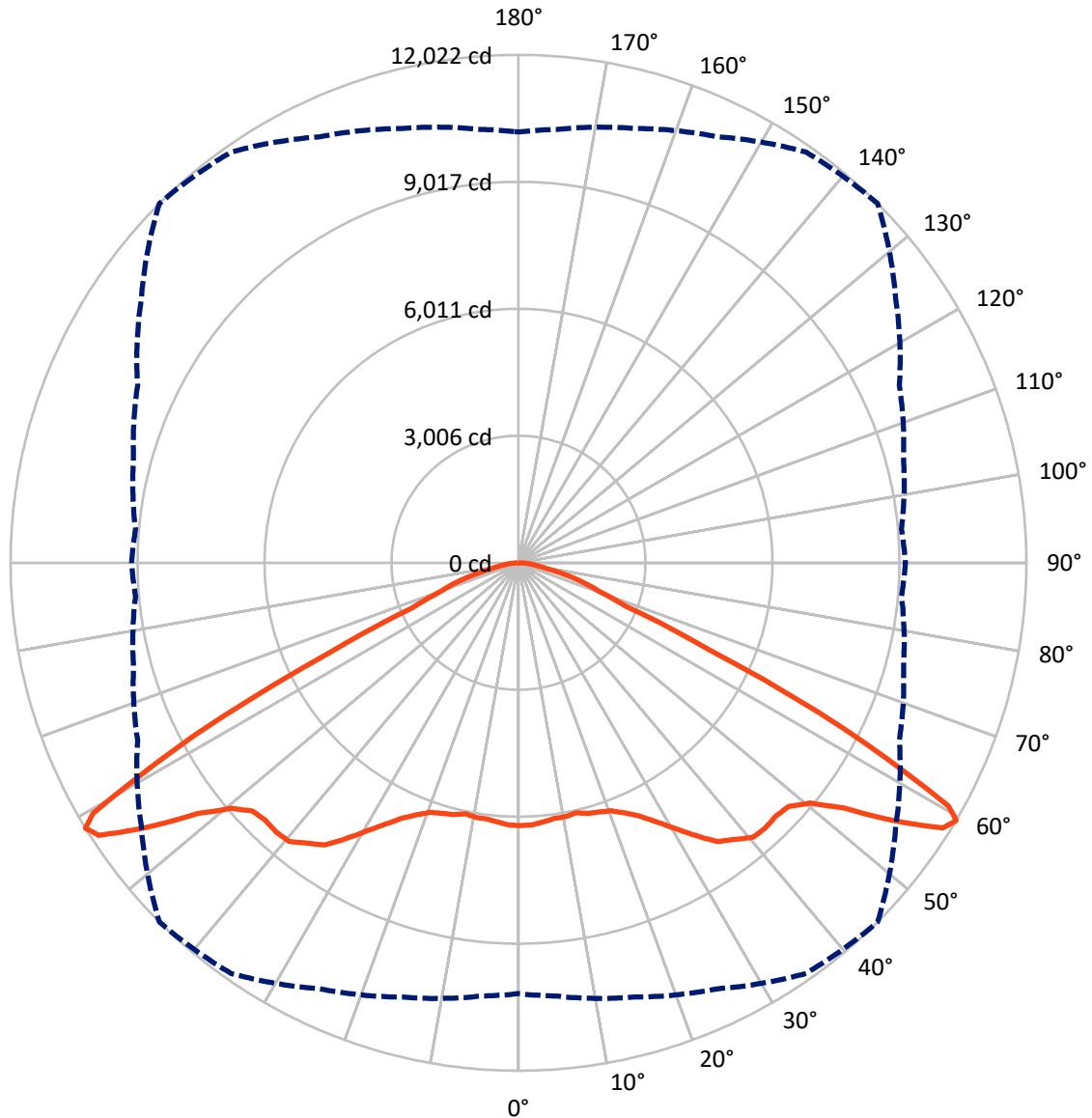
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral      - - - Horizontal Cone Through 59-Deg Vertical

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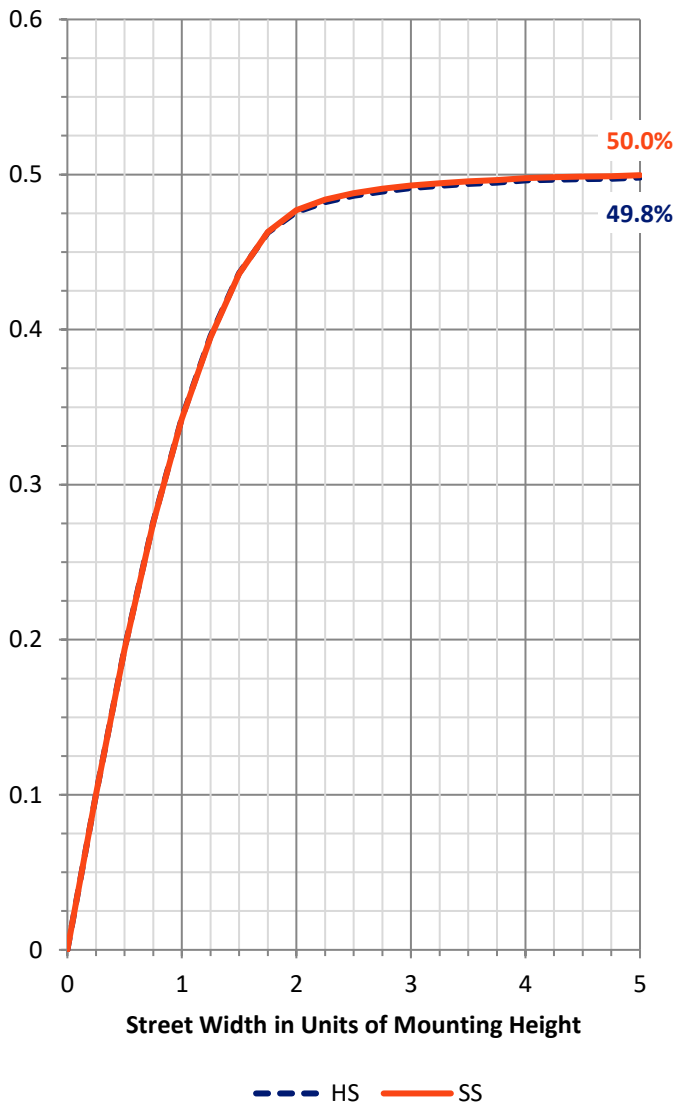
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	16105.5	0.0	16105.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	16105.5	0.0	16105.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	32211.0	0.0	32211.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	586.5	1.8
10°-20°	1744.1	5.4
20°-30°	3045.5	9.5
30°-40°	4864.1	15.1
40°-50°	6625.8	20.6
50°-60°	8959.9	27.8
60°-70°	4913.6	15.3
70°-80°	1257.0	3.9
80°-90°	214.4	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°	32211.0	100.0
0°-180°	32211.0	100.0

**Coefficient of Utilization**



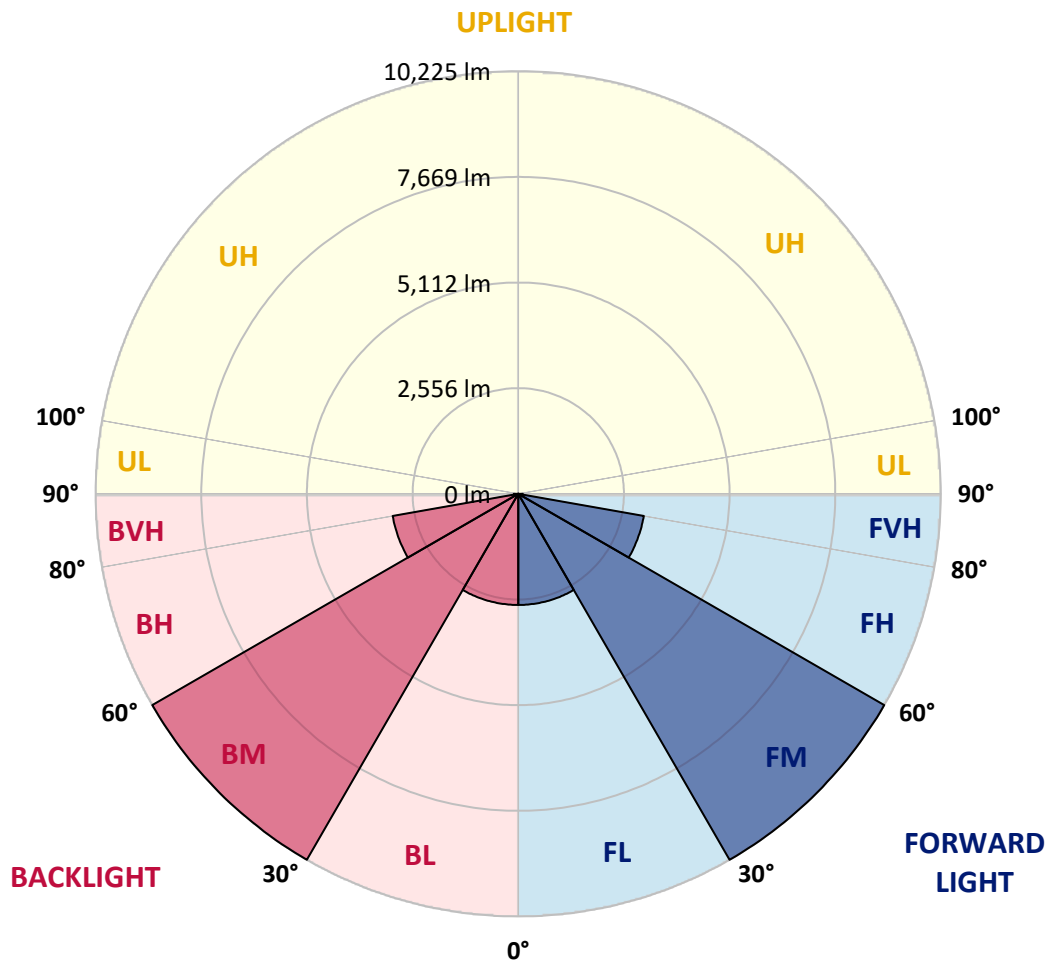
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2688.1	8.3			
FM (30°-60°)	10224.9	31.7			
FH (60°-80°)	3085.3	9.6			G2/5000
FVH (80°-90°)	107.2	0.3			G2/225
BL (0°-30°)	2688.1	8.3	B4/5000		
BM (30°-60°)	10224.9	31.7	B5		
BH (60°-80°)	3085.3	9.6	B4/5000		G2/5000
BVH (80°-90°)	107.2	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°	6221.6	6221.6	6221.6	6221.6	6221.6	6221.6	6221.6	6221.6	6221.6	6221.6	6221.6
2.5°	6184.5	6229.9	6196.9	6225.8	6221.6	6209.2	6188.6	6176.2	6159.7	6184.5	6143.2
5°	6159.7	6196.9	6234.0	6184.5	6184.5	6159.7	6147.3	6122.5	6122.5	6118.4	6114.3
7.5°	6201.0	6163.8	6147.3	6155.6	6163.8	6110.2	6147.3	6097.8	6056.5	6085.4	6118.4
10°	6163.8	6180.3	6118.4	6147.3	6101.9	6110.2	6085.4	6118.4	6073.0	6073.0	6073.0
12.5°	6201.0	6155.6	6176.2	6155.6	6143.2	6073.0	6106.0	6068.9	6064.7	6106.0	6068.9
15°	6275.3	6201.0	6184.5	6143.2	6155.6	6155.6	6122.5	6126.7	6081.3	6106.0	6114.3
17.5°	6250.5	6209.2	6196.9	6147.3	6188.6	6201.0	6139.1	6097.8	6126.7	6122.5	6118.4
20°	6271.2	6287.7	6275.3	6283.6	6300.1	6267.0	6209.2	6151.4	6114.3	6168.0	6163.8
22.5°	6403.3	6386.8	6378.5	6370.3	6399.1	6432.2	6353.7	6262.9	6262.9	6300.1	6316.6
25°	6510.6	6506.5	6502.4	6539.5	6638.6	6638.6	6539.5	6423.9	6395.0	6419.8	6399.1
27.5°	6667.5	6712.9	6696.4	6762.5	6907.0	6940.0	6807.9	6671.6	6593.2	6564.3	6601.4
30°	7026.7	6973.0	6985.4	7055.6	7183.6	7290.9	7088.6	6944.1	6836.8	6832.6	6849.2
32.5°	7266.1	7307.4	7344.6	7410.6	7612.9	7695.5	7451.9	7216.6	7150.5	7113.4	7125.8
35°	7745.0	7707.9	7699.6	7765.7	7968.0	8104.2	7798.7	7592.3	7505.6	7588.2	7588.2
37.5°	8199.2	8096.0	8017.5	8104.2	8290.0	8306.5	8046.4	7934.9	7889.5	7984.5	7980.4
40°	8413.8	8405.6	8223.9	8273.5	8521.2	8546.0	8302.4	8170.3	8162.0	8285.9	8409.7
42.5°	8636.8	8558.3	8376.7	8409.7	8562.5	8570.7	8339.5	8302.4	8393.2	8512.9	8521.2
45°	8673.9	8607.9	8492.3	8409.7	8521.2	8546.0	8409.7	8434.5	8442.7	8587.2	8587.2
47.5°	8748.3	8740.0	8673.9	8612.0	8632.7	8612.0	8525.3	8562.5	8686.3	8756.5	8723.5
50°	8954.7	8868.0	8934.0	8880.4	8884.5	8942.3	8863.9	8901.0	8876.2	8814.3	8773.0
52.5°	9408.8	9367.5	9425.3	9462.5	9503.8	9635.9	9545.1	9346.9	9161.1	8996.0	8991.8
55°	10073.5	10102.4	10213.9	10403.8	10564.8	10775.3	10337.7	9862.9	9565.7	9305.6	9322.1
57.5°	10701.0	10680.4	10833.1	11266.6	11737.3	11844.6	10985.9	10308.8	9825.8	9660.7	9590.5
59°	10197.4	10296.4	10643.2	11126.3	11865.3	12022.1	10899.2	9945.5	9433.6	9099.2	9157.0
60°	9404.7	9441.8	9751.5	10424.4	11423.5	11691.9	10317.1	9384.0	8702.8	8508.8	8595.5
62.5°	6646.9	6618.0	6840.9	7390.0	8285.9	8649.2	7670.7	7014.3	6584.9	6370.3	6419.8
65°	3534.0	3666.1	3756.9	4099.6	4574.4	4958.3	4553.7	4268.9	4029.4	3851.9	3847.7
67.5°	2386.3	2369.7	2390.4	2468.8	2629.8	2737.2	2728.9	2584.4	2563.8	2530.8	2567.9
70°	2010.6	2002.3	1965.2	1965.2	1998.2	2023.0	2051.9	2068.4	2101.4	2142.7	2138.6
72.5°	1630.8	1610.1	1585.3	1573.0	1614.2	1626.6	1663.8	1680.3	1709.2	1705.1	1742.2
75°	1077.5	1077.5	1106.4	1139.5	1151.8	1176.6	1180.7	1230.3	1230.3	1238.5	1205.5
77.5°	602.8	586.2	606.9	639.9	668.8	714.2	759.6	796.8	817.4	809.2	809.2
80°	350.9	350.9	371.6	408.7	445.9	487.2	520.2	549.1	569.7	561.5	545.0
82.5°	218.8	218.8	239.5	276.6	305.5	330.3	375.7	412.8	437.6	429.4	408.7
85°	111.5	111.5	136.2	161.0	198.2	214.7	210.6	194.0	189.9	169.3	169.3
87.5°	28.9	28.9	41.3	45.4	37.2	41.3	41.3	41.3	41.3	41.3	45.4
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)