

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: P533092

Luminaire Tested: **GALN-SA8C-730-U-RW-GRSWH**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P533092  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-8)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: MCGRAW-EDISON  
Catalog Number: GALN-SA8C-730-U-RW-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(8) 70 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR  
WIDE OPTICS WITH WHITE GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 45303 lumens  
Efficiency: N/A  
Efficacy: 105.6 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

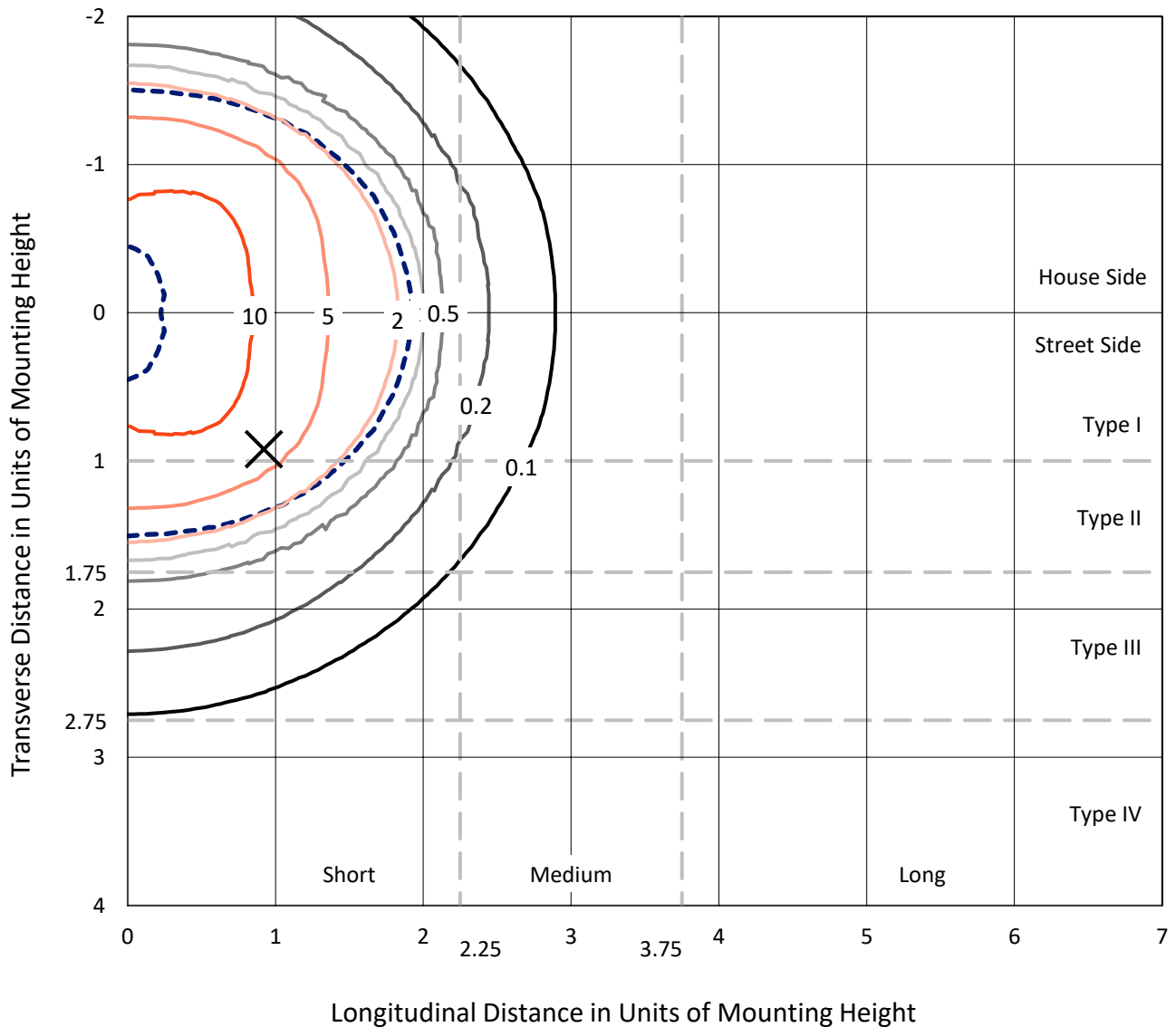
Input Watts (W): 429  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

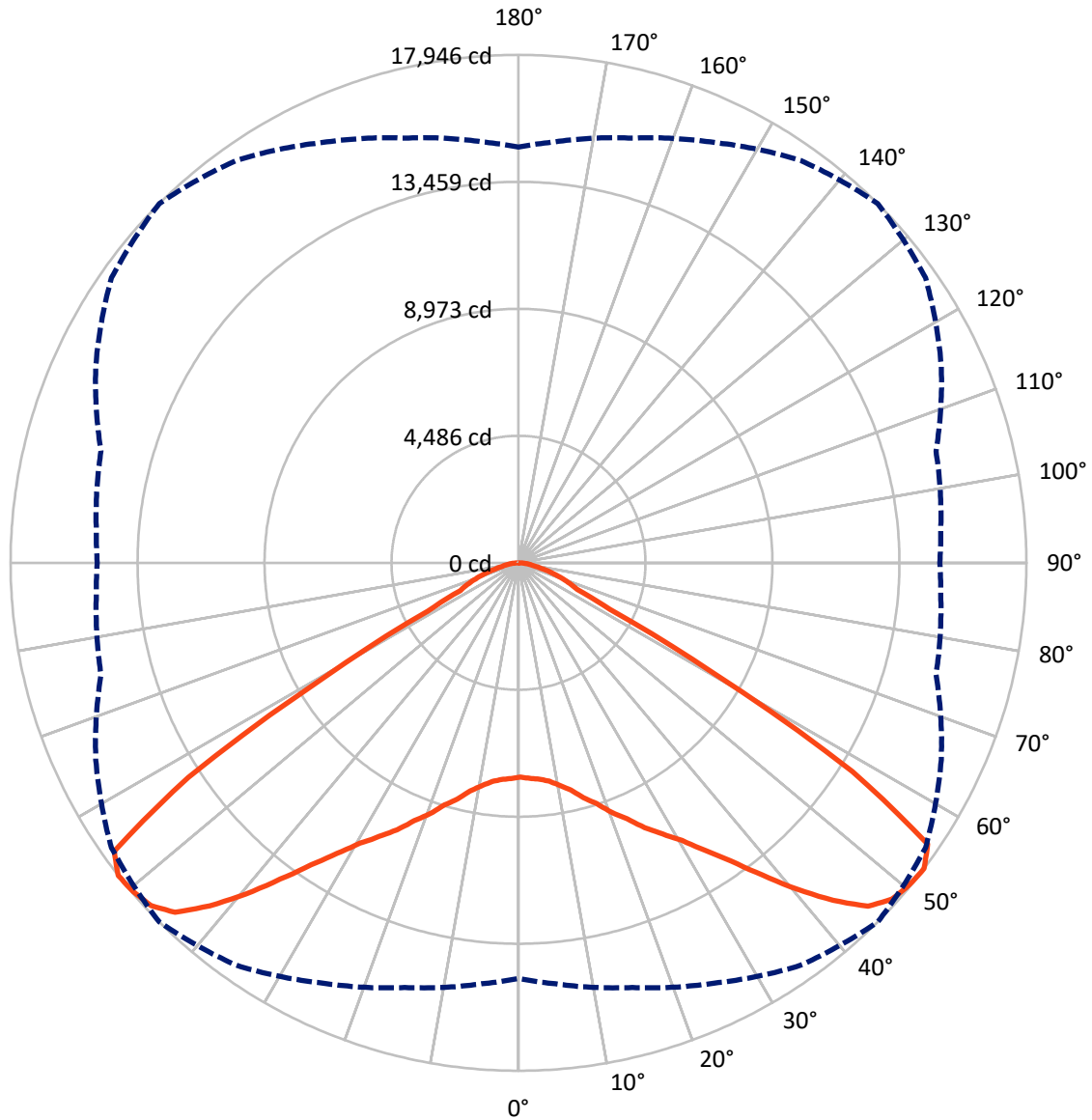
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 13.4 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 52.5-Deg Vertical

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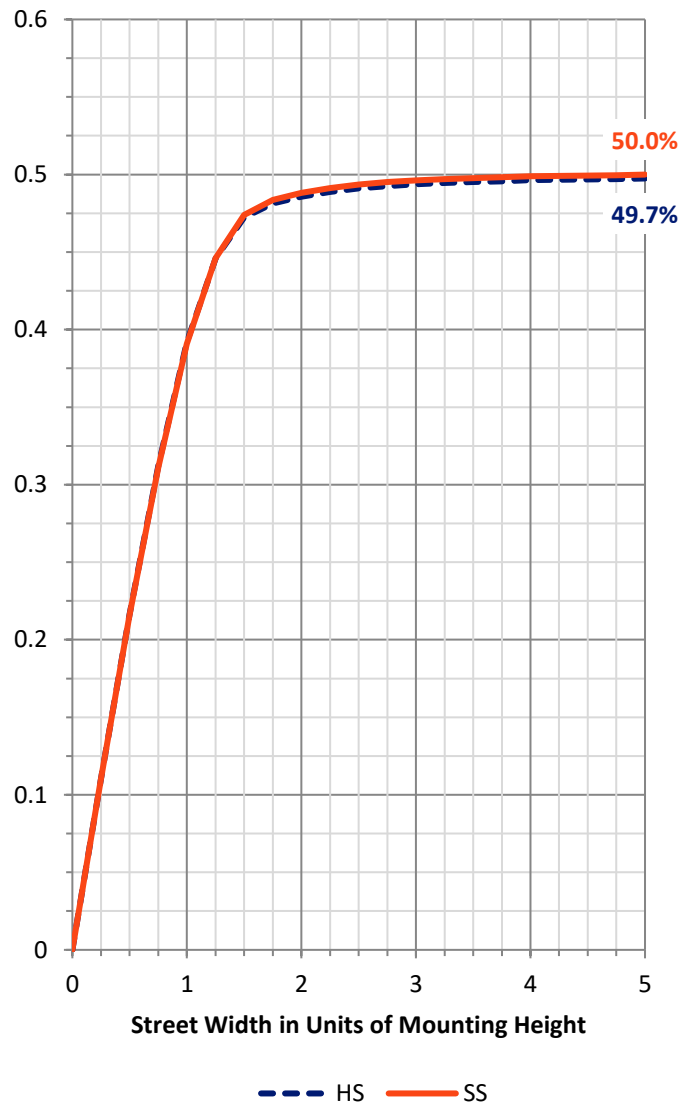
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	22651.5	0.0	22651.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	22651.5	0.0	22651.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	45303.0	0.0	45303.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	744.0	1.6
10°-20°	2444.8	5.4
20°-30°	4654.6	10.3
30°-40°	7992.2	17.6
40°-50°	12284.3	27.1
50°-60°	12474.5	27.5
60°-70°	3476.5	7.7
70°-80°	1025.5	2.3
80°-90°	206.6	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°	45303.0	100.0
0°-180°	45303.0	100.0

**Coefficient of Utilization**



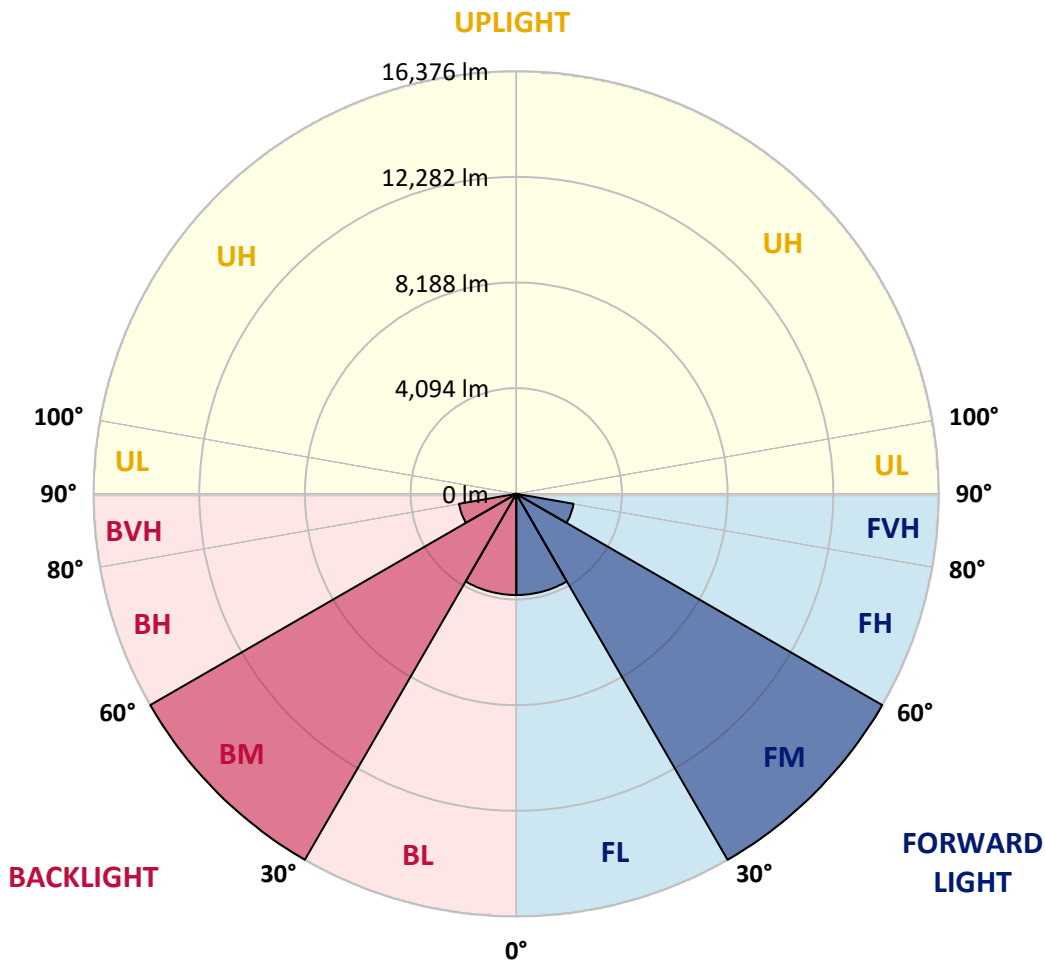
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3921.7	8.7			
FM (30°-60°)	16375.5	36.1			
FH (60°-80°)	2251.0	5.0			G2/5000
FVH (80°-90°)	103.3	0.2			G2/225
BL (0°-30°)	3921.7	8.7	B4/5000		
BM (30°-60°)	16375.5	36.1	B5		
BH (60°-80°)	2251.0	5.0	B3/2500		G2/5000
BVH (80°-90°)	103.3	0.2			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°	7573.0	7573.0	7573.0	7573.0	7573.0	7573.0	7573.0	7573.0	7573.0	7573.0	7573.0
2.5°	7589.9	7511.2	7539.3	7556.1	7629.2	7623.6	7606.7	7629.2	7651.7	7657.3	7646.1
5°	7584.2	7528.0	7550.5	7567.4	7640.5	7679.8	7668.6	7764.1	7831.6	7814.7	7899.1
7.5°	7539.3	7573.0	7544.9	7629.2	7691.1	7786.6	7887.8	7977.8	8062.1	8157.7	8174.6
10°	7640.5	7640.5	7691.1	7758.5	7921.6	7994.7	8140.8	8270.1	8433.2	8545.6	8500.6
12.5°	7747.3	7764.1	7764.1	7938.4	8073.4	8236.4	8371.3	8545.6	8776.1	8911.1	8978.5
15°	7854.1	7865.3	7921.6	8157.7	8360.1	8618.7	8742.4	8899.8	9029.1	9282.1	9287.7
17.5°	7949.7	8011.5	8180.2	8444.4	8697.4	8944.8	9141.6	9304.6	9417.0	9518.2	9495.8
20°	8309.5	8354.5	8528.8	8793.0	9169.7	9411.4	9478.9	9507.0	9580.1	9782.5	9720.6
22.5°	8658.1	8674.9	8838.0	9242.8	9507.0	9827.5	9900.6	9883.7	9911.8	9962.4	10052.3
25°	9017.9	9046.0	9270.9	9613.8	9984.9	10367.2	10429.0	10299.7	10260.4	10316.6	10322.2
27.5°	9478.9	9484.5	9771.2	10069.2	10490.9	10850.7	10946.3	10845.1	10659.5	10704.5	10777.6
30°	10063.6	10024.2	10311.0	10738.2	11182.4	11384.8	11547.8	11497.2	11294.8	11255.5	11193.6
32.5°	10738.2	10749.5	11008.1	11474.7	11767.1	12104.4	12278.7	12194.4	12065.1	11997.6	12037.0
35°	11688.4	11739.0	11913.3	12301.2	12773.5	12942.1	13217.6	13037.7	12700.4	12784.7	12857.8
37.5°	12469.9	12616.0	12942.1	13403.1	13684.2	13993.5	14094.7	13852.9	13605.5	13504.3	13746.1
40°	13667.4	13622.4	13982.2	14443.2	14859.3	15168.5	15039.2	14797.4	14184.6	14190.2	14257.7
42.5°	14696.2	14718.7	14994.2	15545.2	16113.0	16304.1	15893.7	15303.4	14623.1	14550.0	14696.2
45°	15562.0	15652.0	15809.4	16545.9	17102.5	17310.5	16551.5	15854.4	14943.6	14640.0	14881.7
47.5°	15871.2	16017.4	16360.4	17035.0	17586.0	17754.6	17147.5	16146.7	15241.6	14746.8	14876.1
50°	15916.2	15865.6	16427.8	17046.3	17529.8	17895.2	17361.1	16360.4	15168.5	14909.9	14870.5
52.5°	14685.0	14932.3	15533.9	16382.9	17361.1	17945.8	17552.3	16478.4	15269.7	14977.3	14881.7
55°	11885.2	11592.8	12689.1	14117.1	15916.2	17541.0	17484.8	16540.3	15331.5	15089.8	14960.5
57.5°	6634.1	6718.4	7336.9	8888.6	11210.5	13909.1	15545.2	15888.1	15303.4	15162.9	15230.3
60°	3069.7	3097.8	3362.0	4087.3	5526.5	7887.8	10041.1	12228.1	13234.5	13436.9	13436.9
62.5°	2288.2	2277.0	2344.4	2473.7	2777.3	3626.3	4840.6	6577.9	7960.9	8927.9	9180.9
65°	2068.9	2063.3	2097.1	2142.0	2164.5	2282.6	2552.4	3086.5	3536.3	3794.9	3750.0
67.5°	1810.3	1804.7	1815.9	1844.1	1883.4	1945.3	2012.7	2125.2	2282.6	2271.3	2243.2
70°	1461.8	1461.8	1478.6	1501.1	1546.1	1619.2	1697.9	1776.6	1911.5	1939.6	1934.0
72.5°	1079.4	1062.6	1096.3	1141.3	1186.3	1276.2	1360.6	1433.6	1529.2	1557.3	1546.1
75°	685.9	697.1	719.6	770.2	848.9	910.8	1000.7	1062.6	1124.4	1146.9	1152.5
77.5°	382.3	393.5	432.9	494.7	573.5	640.9	719.6	770.2	809.6	815.2	820.8
80°	230.5	236.1	275.5	331.7	399.2	472.3	534.1	584.7	618.4	601.6	595.9
82.5°	140.6	146.2	179.9	230.5	286.7	342.9	410.4	455.4	489.1	466.6	444.1
85°	73.1	78.7	106.8	140.6	185.5	213.6	213.6	191.2	185.5	174.3	168.7
87.5°	22.5	22.5	28.1	33.7	28.1	33.7	39.4	45.0	45.0	50.6	45.0
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)