

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: P530278

Luminaire Tested: **GALN-SA5C-730-U-5NQ-GRSWH**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P530278  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-6)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SA5C-730-U-5NQ-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(5) 70 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V  
NARROW OPTICS WITH WHITE GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 28881 lumens  
Efficiency: N/A  
Efficacy: 107.4 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G1

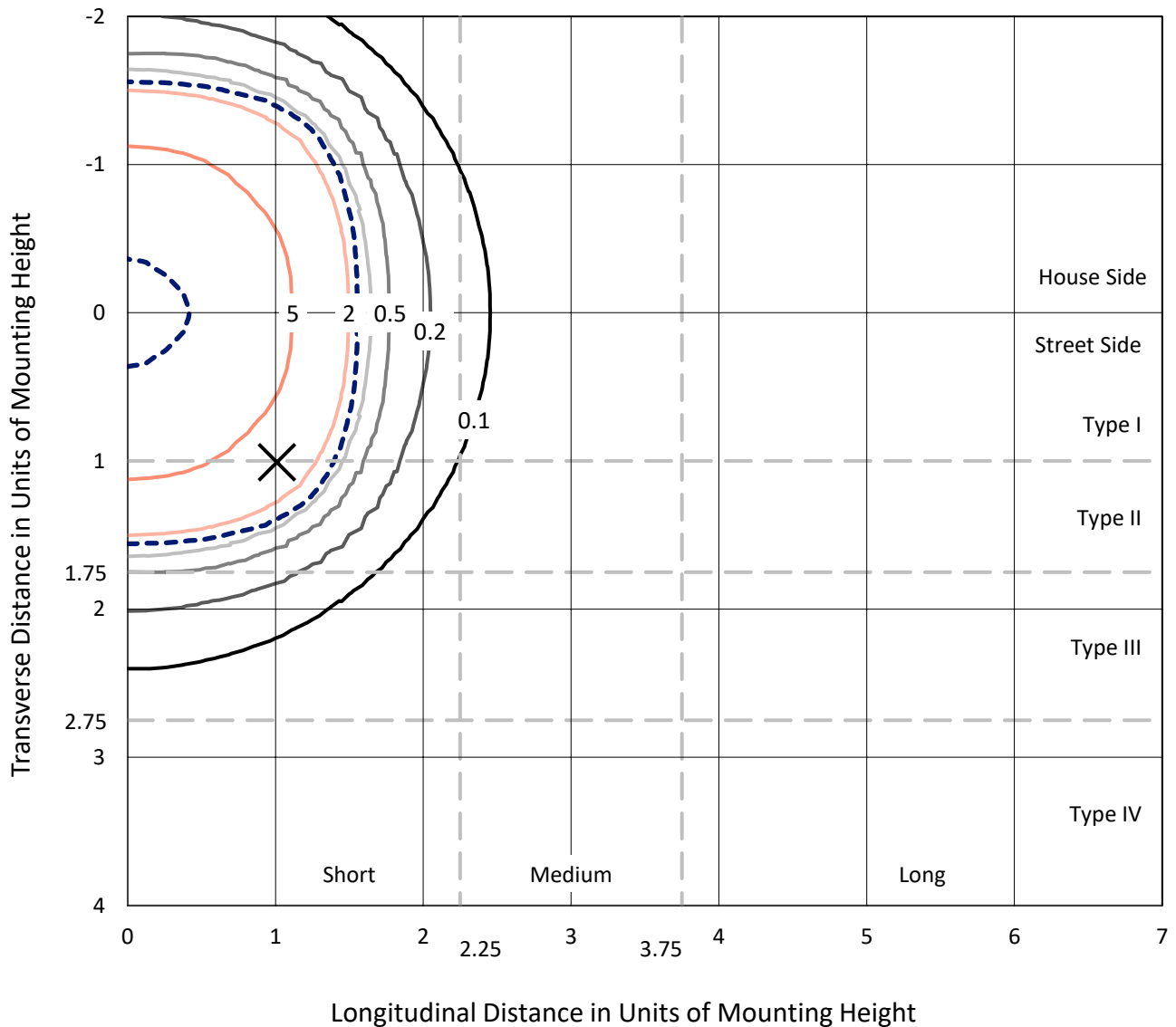
Input Watts (W): 269  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

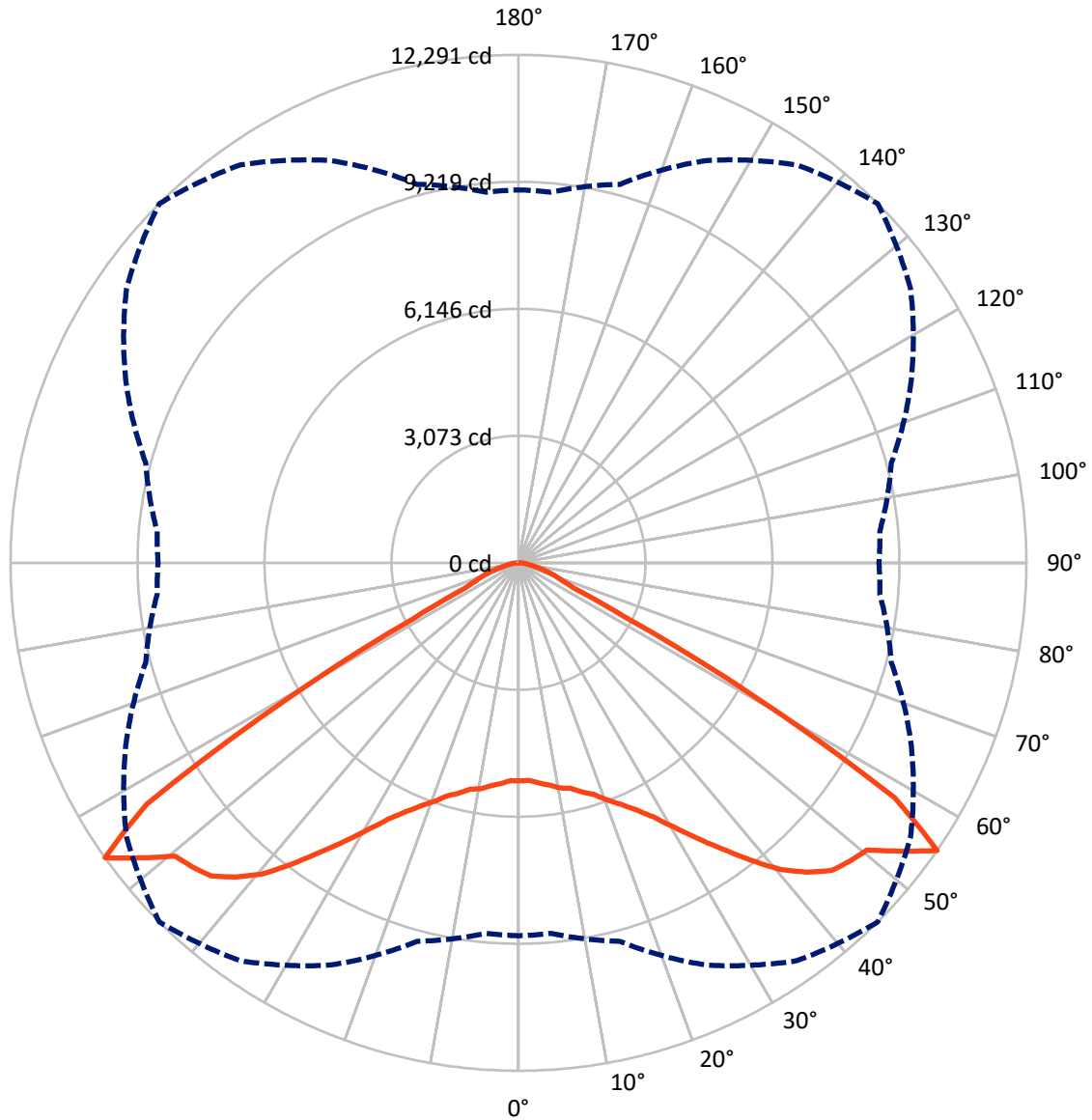
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.5 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral      - - - Horizontal Cone Through 55-Deg Vertical

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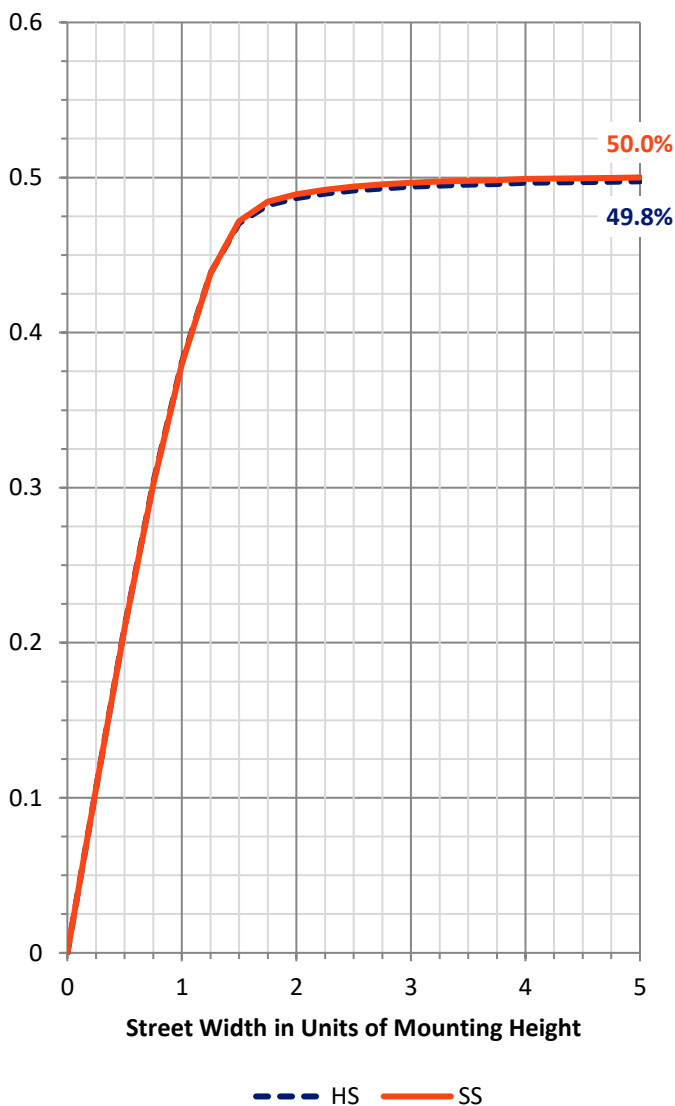
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	14440.5	0.0	14440.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	14440.5	0.0	14440.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	28881.0	0.0	28881.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	515.1	1.8
10°-20°	1632.2	5.7
20°-30°	3043.6	10.5
30°-40°	5096.0	17.6
40°-50°	7929.8	27.5
50°-60°	8233.6	28.5
60°-70°	1746.1	6.0
70°-80°	575.0	2.0
80°-90°	109.5	0.4
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°	28881.0	100.0
0°-180°	28881.0	100.0

**Coefficient of Utilization**



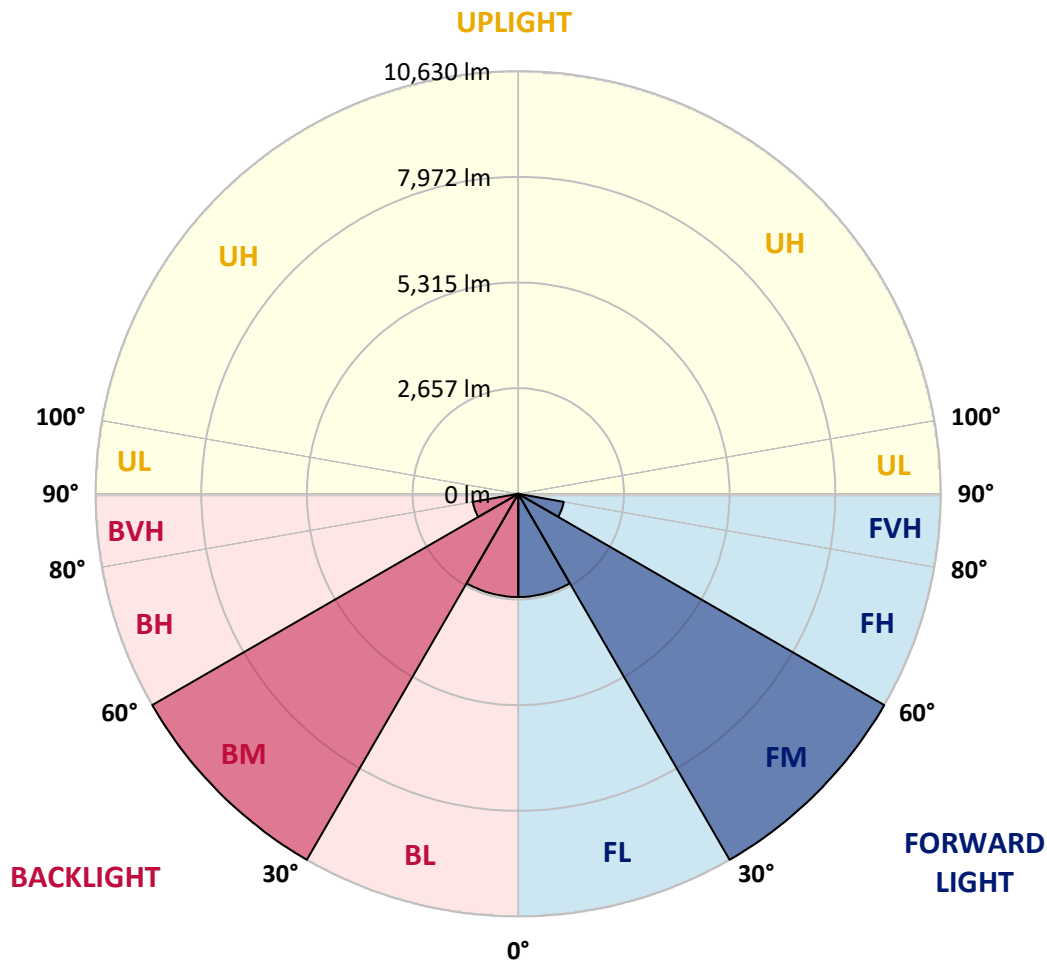
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2595.5	9.0			
FM	(30°-60°)	10629.7	36.8			
FH	(60°-80°)	1160.6	4.0			G1/1800
FVH	(80°-90°)	54.8	0.2			G1/100
BL	(0°-30°)	2595.5	9.0	B4/5000		
BM	(30°-60°)	10629.7	36.8	B5		
BH	(60°-80°)	1160.6	4.0	B3/2500		G1/1800
BVH	(80°-90°)	54.8	0.2			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B5-U0-G1**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	5273.2	5273.2	5273.2	5273.2	5273.2	5273.2	5273.2	5273.2	5273.2	5273.2	5273.2
2.5°	5336.1	5311.6	5269.7	5301.2	5325.6	5273.2	5294.2	5304.6	5297.7	5269.7	5280.2
5°	5412.8	5398.9	5364.0	5388.4	5357.0	5357.0	5336.1	5308.1	5350.0	5343.0	5360.5
7.5°	5412.8	5395.4	5465.2	5419.8	5433.8	5433.8	5398.9	5371.0	5391.9	5360.5	5343.0
10°	5521.0	5545.5	5514.0	5524.5	5517.5	5542.0	5489.6	5472.2	5454.7	5444.2	5423.3
12.5°	5650.1	5632.7	5643.2	5636.2	5660.6	5597.8	5566.4	5528.0	5559.4	5514.0	5545.5
15°	5754.8	5744.4	5754.8	5782.8	5758.3	5754.8	5699.0	5660.6	5611.8	5622.2	5573.4
17.5°	5897.9	5887.5	5891.0	5915.4	5911.9	5894.4	5852.6	5779.3	5761.8	5733.9	5702.5
20°	6110.8	6093.4	6086.4	6096.9	6114.3	6128.3	6044.5	6016.6	5957.3	5911.9	5859.5
22.5°	6292.3	6285.3	6313.2	6267.9	6306.3	6348.1	6267.9	6253.9	6107.3	6082.9	6027.1
25°	6543.6	6533.1	6515.6	6582.0	6627.3	6623.8	6547.1	6470.3	6358.6	6330.7	6330.7
27.5°	6808.8	6749.5	6840.2	6857.7	6937.9	6962.4	6896.0	6784.4	6679.7	6620.3	6634.3
30°	7140.3	7084.5	7105.4	7231.1	7335.8	7426.5	7259.0	7095.0	6948.4	6843.7	6826.2
32.5°	7471.9	7416.0	7478.9	7601.0	7810.4	7946.5	7782.5	7496.3	7325.3	7171.7	7203.2
35°	7740.6	7782.5	7883.7	8068.7	8285.0	8504.9	8243.1	8023.3	7779.0	7608.0	7632.4
37.5°	8173.3	8302.5	8382.7	8595.6	8902.7	9129.6	8857.4	8571.2	8309.5	8086.1	8009.3
40°	8738.7	8826.0	8916.7	9168.0	9530.9	9757.8	9499.5	9126.1	8867.8	8637.5	8627.0
42.5°	9359.9	9443.7	9537.9	9845.0	10061.4	10232.4	9995.1	9796.2	9510.0	9328.5	9318.0
45°	10082.3	10023.0	10127.7	10330.1	10511.6	10623.3	10469.7	10372.0	10166.1	9998.6	9981.1
47.5°	10563.9	10511.6	10700.0	10881.5	10909.4	10787.3	10818.7	10909.4	10693.1	10417.4	10504.6
50°	10843.1	10843.1	10968.8	11136.3	11083.9	10926.9	11174.7	11181.6	10965.3	10721.0	10721.0
52.5°	10358.0	10466.2	10822.2	11370.1	11544.6	11590.0	11534.1	11296.8	10731.4	10232.4	10208.0
55°	9024.9	9000.5	9482.1	10738.4	11754.0	12291.4	11579.5	10487.2	9339.0	8777.1	8721.3
57.5°	5870.0	5897.9	6616.9	7897.6	9729.8	10731.4	9530.9	7995.4	6616.9	5842.1	5915.4
60°	2641.9	2736.1	3172.3	4128.6	5702.5	6519.1	5716.5	4337.9	3329.4	2889.6	2928.0
62.5°	1518.1	1535.6	1553.0	1842.7	2429.0	2872.2	2523.2	1947.4	1717.0	1640.3	1640.3
65°	1280.8	1270.3	1273.8	1298.2	1361.1	1451.8	1413.4	1361.1	1368.0	1361.1	1350.6
67.5°	1088.8	1102.8	1092.3	1109.8	1113.3	1127.2	1151.7	1172.6	1176.1	1183.1	1176.1
70°	893.4	896.9	903.9	917.8	921.3	931.8	966.7	984.2	994.6	994.6	1008.6
72.5°	684.0	680.5	687.5	701.5	718.9	722.4	753.8	778.2	792.2	774.8	778.2
75°	450.2	453.7	464.2	474.6	499.1	523.5	534.0	558.4	561.9	568.9	551.4
77.5°	268.7	275.7	286.2	307.1	328.1	349.0	373.4	390.9	397.8	390.9	369.9
80°	174.5	174.5	188.5	205.9	230.3	247.8	261.7	275.7	286.2	275.7	268.7
82.5°	108.2	108.2	125.6	146.6	164.0	174.5	195.4	212.9	223.4	216.4	205.9
85°	55.8	59.3	73.3	90.7	104.7	111.7	108.2	97.7	87.2	83.8	76.8
87.5°	17.4	17.4	20.9	20.9	17.4	17.4	20.9	17.4	20.9	20.9	20.9
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)