

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: P650942

Luminaire Tested: **GALN-SA6C-840-U-5NQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P650942
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-SA6C-840-U-5NQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 80 CRI, 4000K, 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: 31580.4 lumens
Efficiency: N/A
Efficacy: 98.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

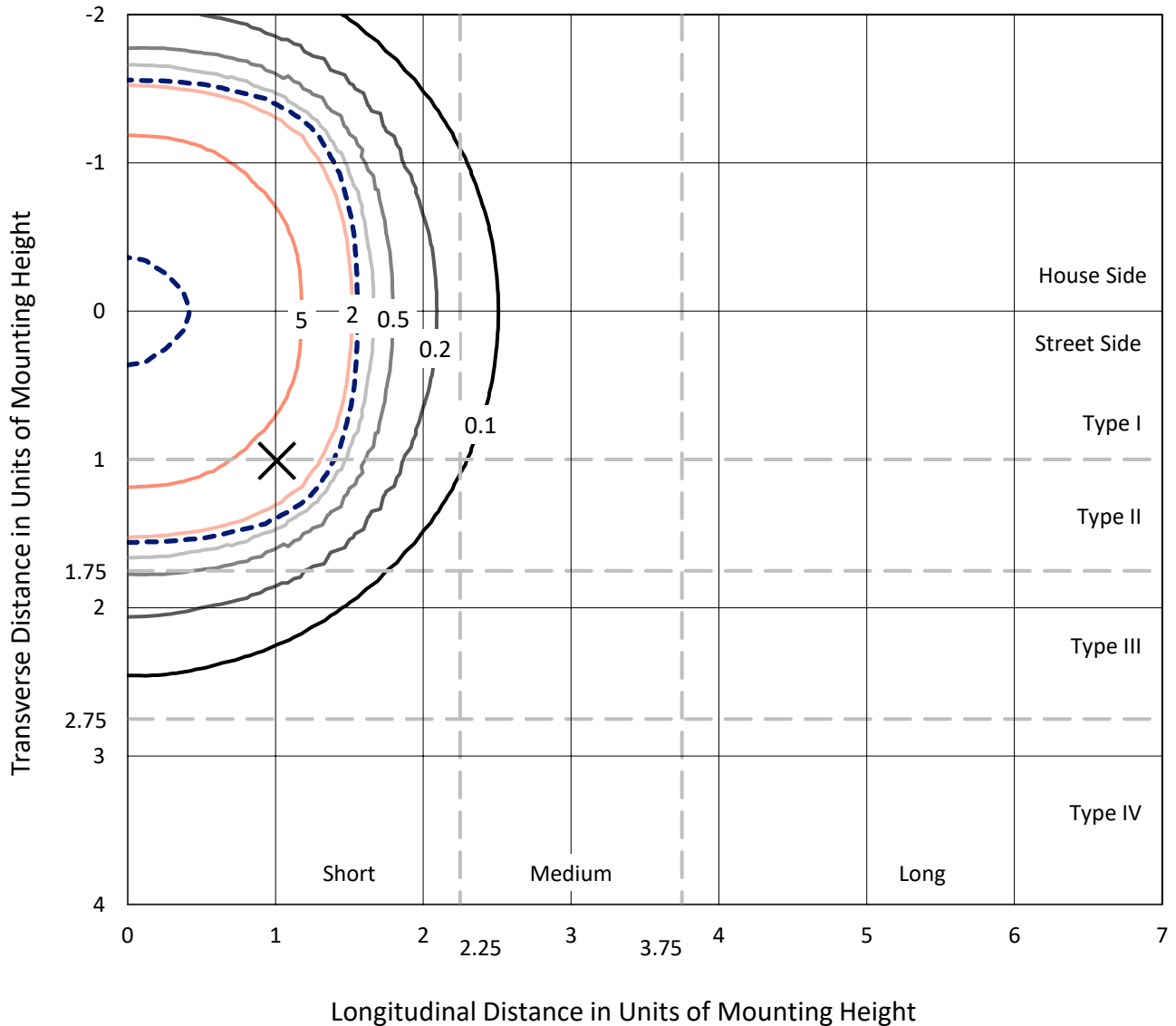
Input Watts (W): 321
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

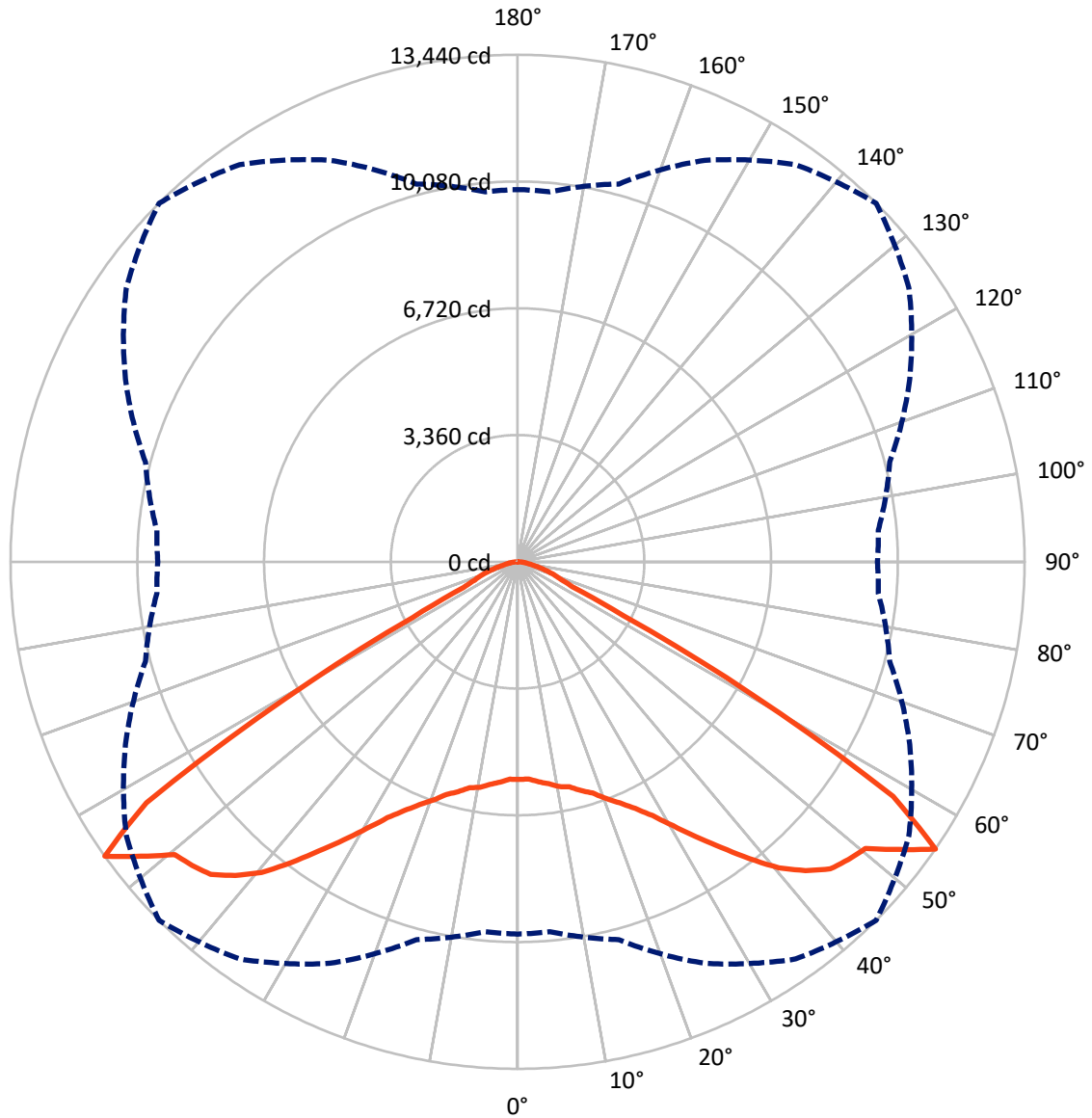
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.3 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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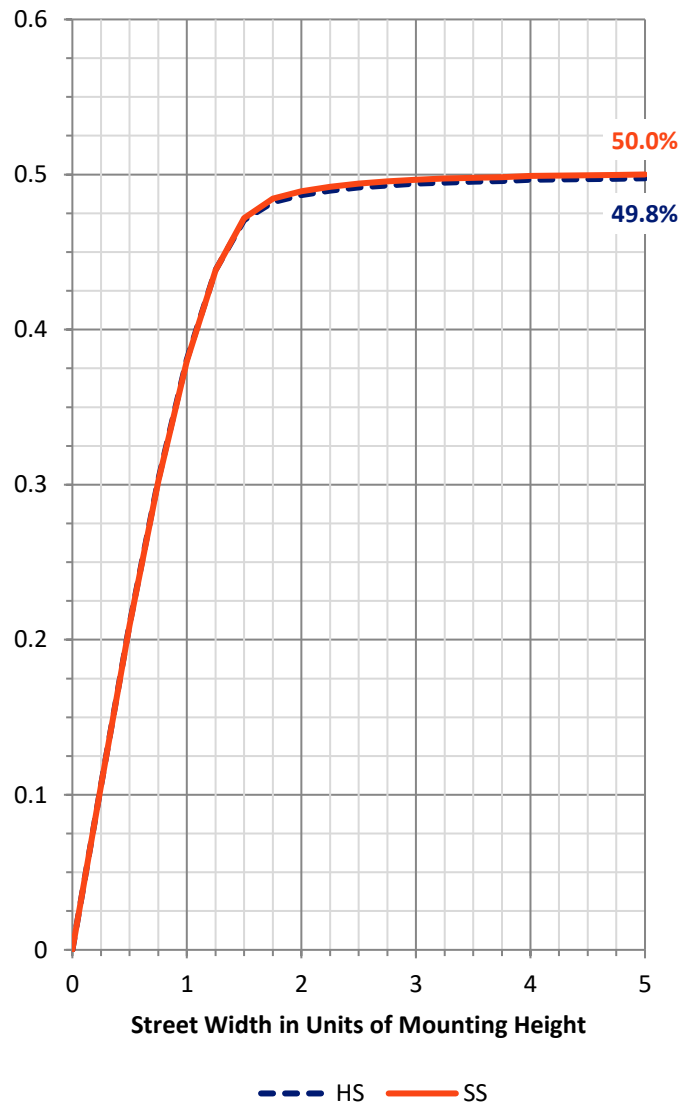
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	15790.2	0.0	15790.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	15790.2	0.0	15790.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	31580.4	0.0	31580.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	563.3	1.8
10°-20°	1784.8	5.7
20°-30°	3328.1	10.5
30°-40°	5572.3	17.6
40°-50°	8670.9	27.5
50°-60°	9003.2	28.5
60°-70°	1909.3	6.0
70°-80°	628.8	2.0
80°-90°	119.8	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°	31580.4	100.0
0°-180°	31580.4	100.0

Coefficient of Utilization

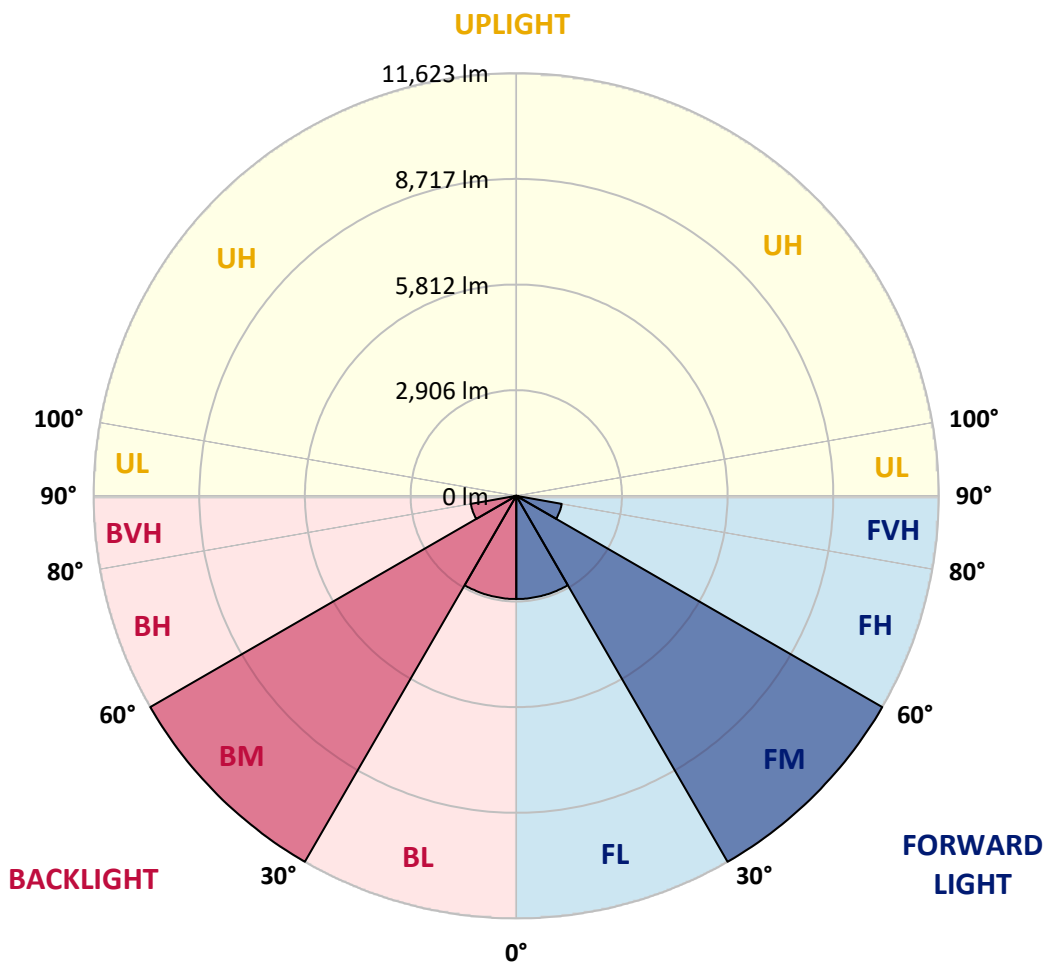


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2838.1	9.0			
FM (30°-60°)	11623.2	36.8			
FH (60°-80°)	1269.0	4.0			G1/1800
FVH (80°-90°)	59.9	0.2			G1/100
BL (0°-30°)	2838.1	9.0	B4/5000		
BM (30°-60°)	11623.2	36.8	B5		
BH (60°-80°)	1269.0	4.0	B3/2500		G1/1800
BVH (80°-90°)	59.9	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°	5766.1	5766.1	5766.1	5766.1	5766.1	5766.1	5766.1	5766.1	5766.1	5766.1	5766.1
2.5°	5834.8	5808.1	5762.3	5796.7	5823.3	5766.1	5789.0	5800.5	5792.8	5762.3	5773.7
5°	5918.8	5903.5	5865.3	5892.0	5857.7	5857.7	5834.8	5804.2	5850.1	5842.4	5861.5
7.5°	5918.8	5899.7	5976.0	5926.4	5941.7	5941.7	5903.5	5873.0	5895.8	5861.5	5842.4
10°	6037.0	6063.8	6029.4	6040.9	6033.2	6059.9	6002.7	5983.6	5964.5	5953.1	5930.2
12.5°	6178.2	6159.1	6170.6	6163.0	6189.7	6121.0	6086.7	6044.7	6079.0	6029.4	6063.8
15°	6292.7	6281.3	6292.7	6323.2	6296.6	6292.7	6231.6	6189.7	6136.3	6147.7	6094.3
17.5°	6449.2	6437.8	6441.6	6468.3	6464.4	6445.3	6399.6	6319.4	6300.4	6269.8	6235.5
20°	6682.0	6662.9	6655.3	6666.7	6685.8	6701.1	6609.5	6579.0	6514.0	6464.4	6407.2
22.5°	6880.4	6872.7	6903.3	6853.7	6895.7	6941.4	6853.7	6838.4	6678.1	6651.5	6590.4
25°	7155.1	7143.7	7124.6	7197.1	7246.7	7242.9	7159.0	7075.0	6952.9	6922.4	6922.4
27.5°	7445.2	7380.3	7479.5	7498.6	7586.4	7613.1	7540.6	7418.5	7304.0	7239.2	7254.4
30°	7807.7	7746.6	7769.6	7906.9	8021.5	8120.6	7937.4	7758.1	7597.8	7483.4	7464.3
32.5°	8170.2	8109.2	8177.9	8311.4	8540.4	8689.2	8509.9	8197.0	8009.9	7842.1	7876.4
35°	8464.1	8509.9	8620.5	8822.8	9059.4	9299.8	9013.6	8773.1	8506.0	8319.1	8345.7
37.5°	8937.3	9078.5	9166.2	9399.0	9734.8	9982.9	9685.2	9372.3	9086.1	8841.9	8757.9
40°	9555.4	9650.9	9750.1	10024.9	10421.8	10669.8	10387.4	9979.1	9696.6	9444.9	9433.3
42.5°	10234.7	10326.3	10429.4	10765.2	11001.8	11188.7	10929.3	10711.7	10398.8	10200.4	10189.0
45°	11024.7	10959.8	11074.3	11295.6	11494.0	11616.1	11448.3	11341.4	11116.3	10933.1	10914.0
47.5°	11551.3	11494.0	11700.2	11898.6	11929.1	11795.5	11829.8	11929.1	11692.5	11391.0	11486.5
50°	11856.6	11856.6	11993.9	12177.2	12119.9	11948.2	12219.1	12226.7	11990.1	11723.0	11723.0
52.5°	11326.2	11444.4	11833.7	12432.8	12623.6	12673.2	12612.1	12352.7	11734.5	11188.7	11162.1
55°	9868.4	9841.7	10368.3	11742.1	12852.6	13440.3	12661.8	11467.4	10211.8	9597.5	9536.4
57.5°	6418.7	6449.2	7235.3	8635.8	10639.2	11734.5	10421.8	8742.6	7235.3	6388.2	6468.3
60°	2888.8	2991.8	3468.8	4514.4	6235.5	7128.5	6250.7	4743.4	3640.5	3159.7	3201.7
62.5°	1660.0	1679.1	1698.1	2014.9	2656.0	3140.6	2759.1	2129.4	1877.5	1793.6	1793.6
65°	1400.5	1389.1	1392.9	1419.6	1488.2	1587.5	1545.5	1488.2	1495.9	1488.2	1476.8
67.5°	1190.6	1205.9	1194.5	1213.5	1217.3	1232.6	1259.3	1282.2	1286.1	1293.6	1286.1
70°	976.9	980.8	988.3	1003.6	1007.4	1018.9	1057.1	1076.1	1087.6	1087.6	1102.9
72.5°	748.0	744.1	751.8	767.0	786.1	790.0	824.3	851.0	866.2	847.1	851.0
75°	492.2	496.1	507.5	519.0	545.7	572.4	583.8	610.6	614.4	622.0	602.9
77.5°	293.8	301.5	312.9	335.8	358.7	381.6	408.3	427.4	435.0	427.4	404.5
80°	190.8	190.8	206.0	225.1	251.9	271.0	286.2	301.5	312.9	301.5	293.8
82.5°	118.3	118.3	137.4	160.3	179.4	190.8	213.7	232.8	244.2	236.6	225.1
85°	61.1	64.8	80.1	99.2	114.5	122.1	118.3	106.9	95.4	91.6	83.9
87.5°	19.1	19.1	22.9	22.9	19.1	19.1	22.9	19.1	22.9	22.9	22.9
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)