

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: P651434

Luminaire Tested: **GALN-SA6D-840-U-5MQ-GRSWH**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P651434  
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-SA6D-840-U-5MQ-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(6) 80 CRI, 4000K, 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: 34052.9 lumens  
Efficiency: N/A  
Efficacy: 92.5 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G2

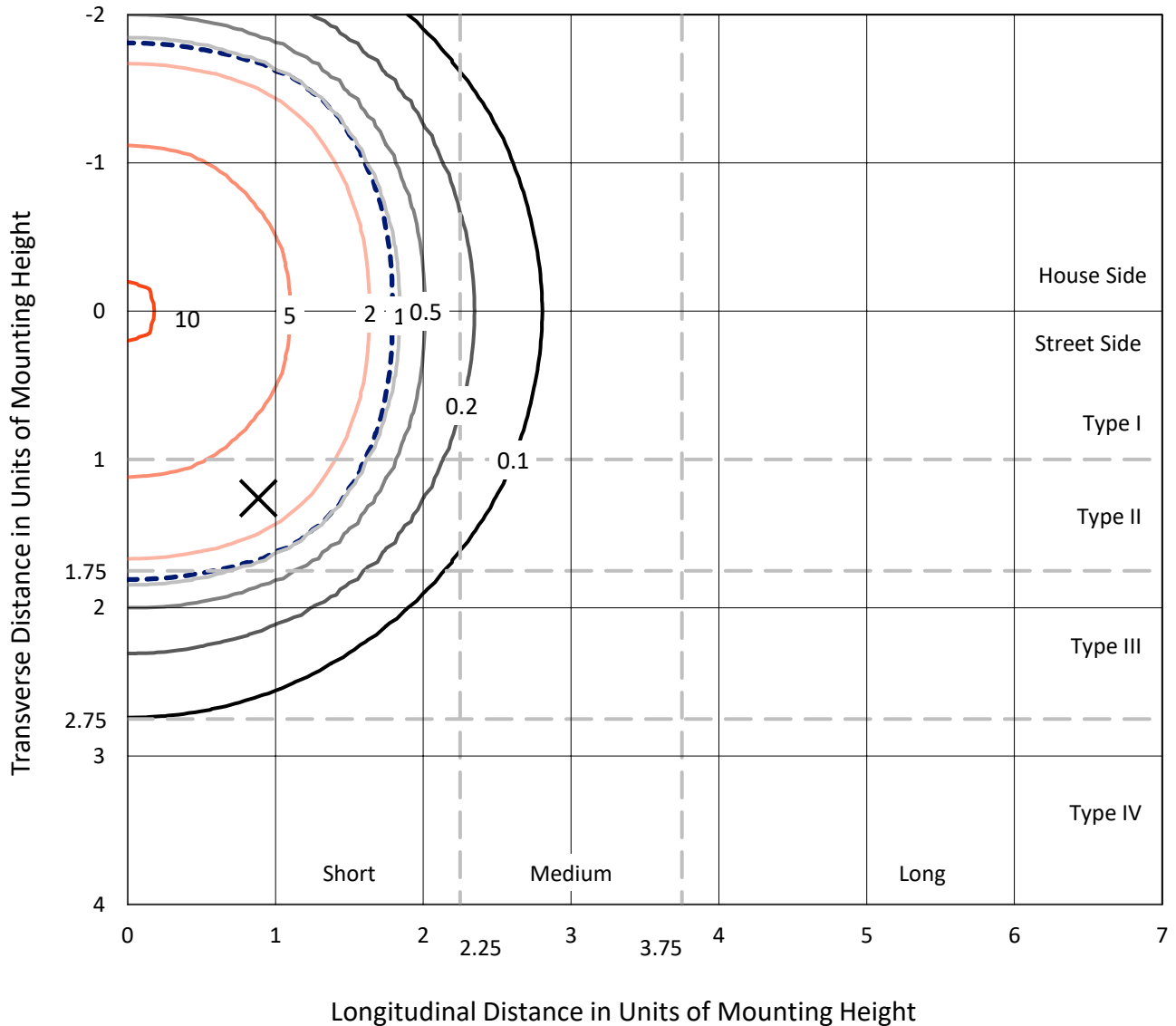
Input Watts (W): 368  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

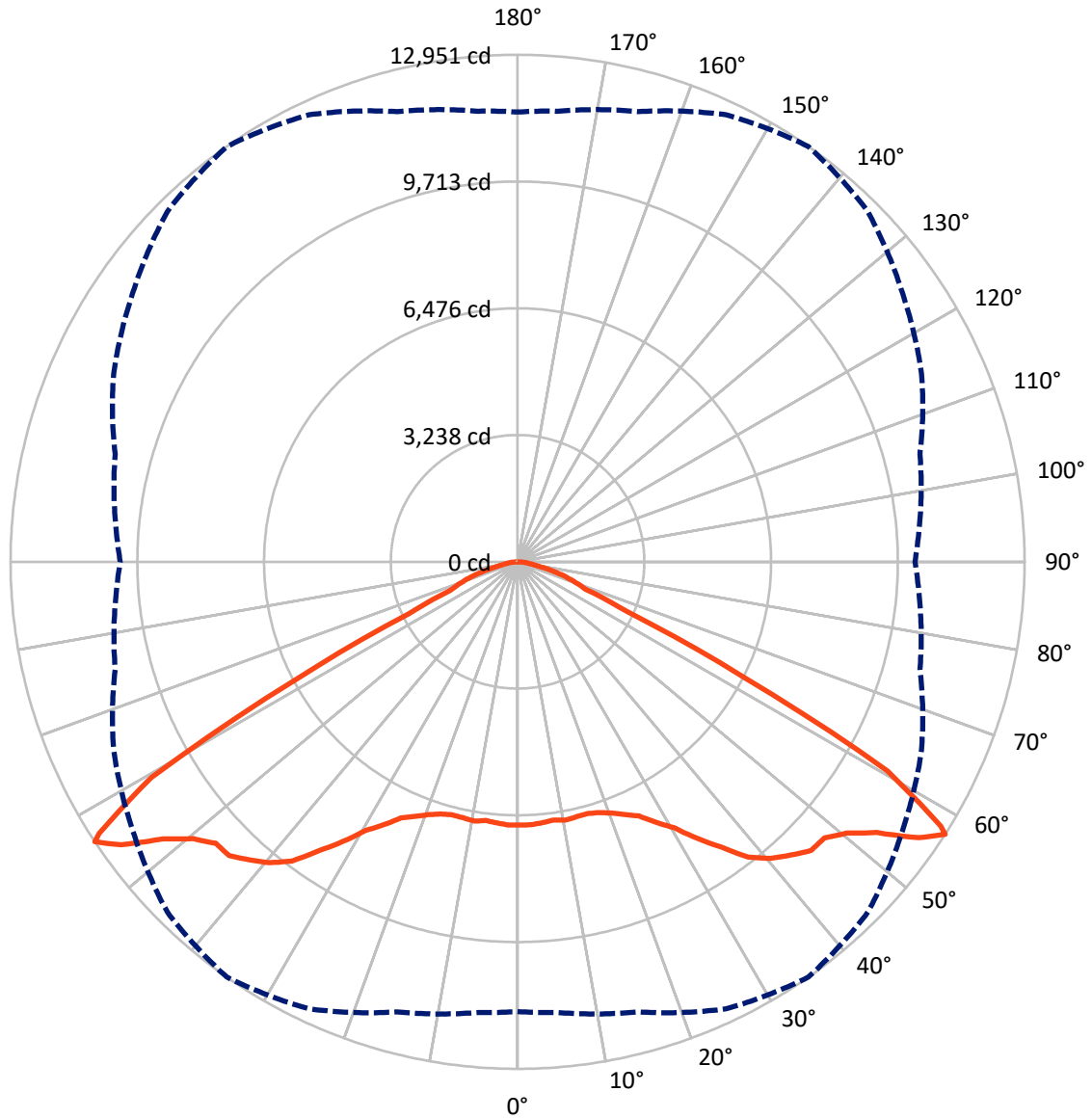
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.8 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



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

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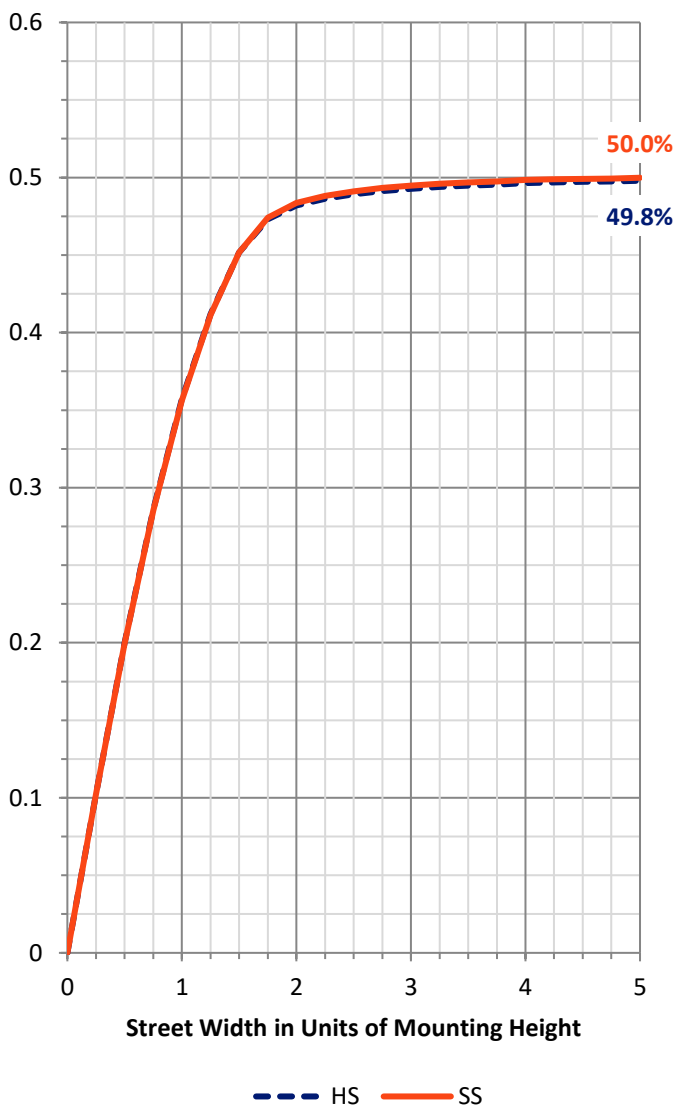
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	17026.5	0.0	17026.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	17026.5	0.0	17026.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	34052.9	0.0	34052.9
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	637.6	1.9
10°-20°	1888.3	5.5
20°-30°	3297.9	9.7
30°-40°	5403.7	15.9
40°-50°	7923.2	23.3
50°-60°	9979.8	29.3
60°-70°	3753.3	11.0
70°-80°	998.0	2.9
80°-90°	171.1	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°	34052.9	100.0
0°-180°	34052.9	100.0

**Coefficient of Utilization**



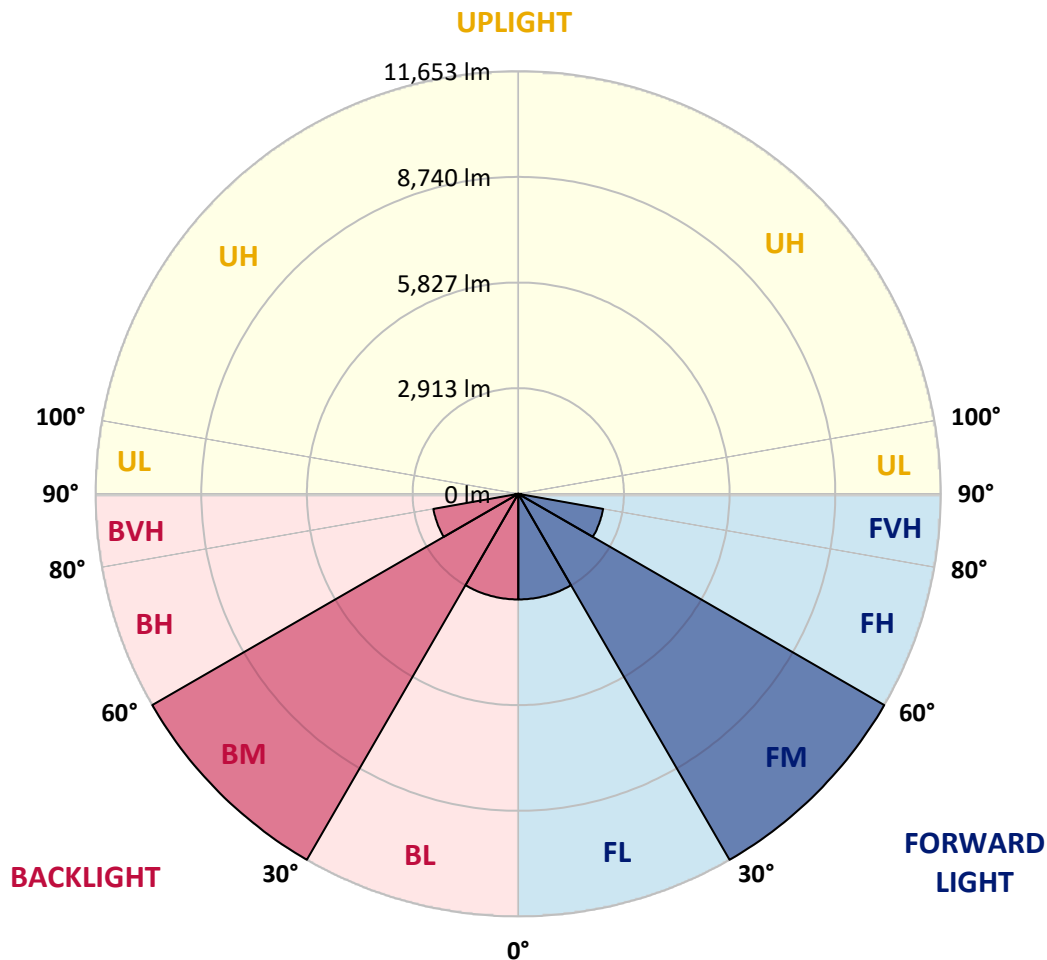
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2911.9	8.6			
FM (30°-60°)	11653.4	34.2			
FH (60°-80°)	2375.7	7.0			G2/5000
FVH (80°-90°)	85.6	0.3			G1/100
BL (0°-30°)	2911.9	8.6	B4/5000		
BM (30°-60°)	11653.4	34.2	B5		
BH (60°-80°)	2375.7	7.0	B3/2500		G2/5000
BVH (80°-90°)	85.6	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: 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°	6725.2	6725.2	6725.2	6725.2	6725.2	6725.2	6725.2	6725.2	6725.2	6725.2	6725.2
2.5°	6691.7	6758.8	6729.4	6712.6	6725.2	6704.2	6670.6	6708.4	6700.0	6666.4	6653.9
5°	6674.8	6725.2	6691.7	6725.2	6691.7	6750.4	6733.6	6670.6	6746.2	6674.8	6700.0
7.5°	6662.2	6679.1	6687.5	6670.6	6658.1	6729.4	6691.7	6662.2	6620.4	6607.7	6628.7
10°	6632.9	6674.8	6611.9	6695.9	6712.6	6662.2	6662.2	6607.7	6574.2	6553.2	6624.5
12.5°	6708.4	6637.1	6628.7	6670.6	6683.3	6704.2	6645.5	6616.1	6553.2	6561.6	6549.0
15°	6620.4	6649.7	6653.9	6662.2	6674.8	6725.2	6670.6	6607.7	6582.6	6494.5	6502.9
17.5°	6653.9	6624.5	6653.9	6750.4	6733.6	6771.3	6712.6	6616.1	6557.4	6507.1	6574.2
20°	6712.6	6700.0	6712.6	6830.1	6851.0	6884.6	6834.3	6746.2	6632.9	6574.2	6607.7
22.5°	6775.5	6767.2	6775.5	6888.8	7010.5	7052.5	7002.1	6796.5	6737.8	6628.7	6590.9
25°	6888.8	6897.2	6985.3	7111.2	7190.9	7270.6	7178.3	7031.4	6842.7	6775.5	6695.9
27.5°	7140.5	7161.5	7211.8	7396.4	7534.9	7606.3	7476.2	7274.8	7157.3	7018.9	6997.9
30°	7451.0	7451.0	7539.1	7698.5	7887.3	7996.4	7836.9	7597.8	7455.2	7379.7	7333.5
32.5°	7862.2	7816.0	7849.6	8130.6	8424.3	8516.6	8302.7	8009.0	7782.4	7681.8	7648.2
35°	8214.6	8243.9	8319.4	8621.5	8948.7	9162.7	8827.1	8445.3	8214.6	8122.3	8105.5
37.5°	8671.9	8722.2	8759.9	9175.3	9569.7	9649.4	9326.4	9020.1	8739.0	8663.5	8621.5
40°	9317.9	9284.4	9297.0	9603.2	9959.9	10010.2	9691.3	9473.2	9242.4	9196.3	9196.3
42.5°	9850.8	9813.0	9854.9	9968.2	10240.9	10203.2	10027.0	9867.5	9771.1	9720.7	9771.1
45°	10173.8	10165.4	10240.9	10324.9	10517.8	10392.0	10253.6	10278.7	10186.4	10102.5	10098.3
47.5°	10526.2	10471.7	10564.0	10689.9	10543.0	10484.2	10475.9	10530.4	10501.1	10354.2	10308.1
50°	10698.2	10677.3	10824.1	10970.9	10891.2	10757.0	10786.3	10874.5	10496.9	10299.6	10186.4
52.5°	11159.7	11163.9	11445.0	11524.7	11491.2	11294.0	11356.9	11117.8	10673.0	10396.2	10408.7
55°	11885.5	11856.2	12170.8	12405.8	12443.5	12191.8	11889.7	11554.1	10996.1	10715.0	10631.1
57°	11487.0	11554.1	11902.3	12598.8	12951.1	12653.3	11994.6	11382.1	10639.5	10299.6	10148.6
57.5°	10954.2	11063.3	11667.4	12368.0	12737.2	12712.1	11864.6	11063.3	10400.4	9871.7	9884.4
60°	8025.7	8046.8	8592.2	9704.0	10857.6	10882.8	9850.8	8789.3	8051.0	7476.2	7555.9
62.5°	4233.2	4329.6	4547.8	5441.4	6440.0	6683.3	6058.1	5512.8	4875.0	4438.7	4480.7
65°	2240.3	2227.7	2332.6	2584.4	3075.2	3201.1	3117.2	2685.1	2462.7	2391.4	2395.6
67.5°	1820.8	1841.8	1829.2	1841.8	1875.3	1929.8	1917.3	1934.0	1946.7	1967.6	1963.4
70°	1543.9	1543.9	1552.3	1556.5	1556.5	1581.7	1611.0	1665.6	1669.7	1690.7	1699.2
72.5°	1216.7	1208.3	1220.9	1250.2	1254.4	1275.4	1317.3	1350.9	1363.5	1363.5	1338.4
75°	826.5	834.9	851.7	876.8	902.0	939.7	973.3	994.3	1002.7	990.1	977.5
77.5°	465.7	474.1	486.7	524.4	553.8	587.4	625.1	646.1	667.1	671.3	646.1
80°	276.9	276.9	297.9	327.2	360.8	394.3	427.9	453.1	461.5	461.5	448.9
82.5°	167.8	172.0	188.8	218.2	247.5	268.5	297.9	318.8	335.6	331.4	323.0
85°	88.1	88.1	104.9	130.0	151.0	172.0	172.0	159.5	151.0	130.0	121.7
87.5°	29.4	25.1	33.6	33.6	29.4	33.6	33.6	37.8	37.8	37.8	37.8
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)