

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: P533760

Luminaire Tested: **GALN-SA9B-727-U-5MQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P533760
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-SA9B-727-U-5MQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(9) 70 CRI, 2700K, 800mA 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: 38079 lumens
Efficiency: N/A
Efficacy: 104.6 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

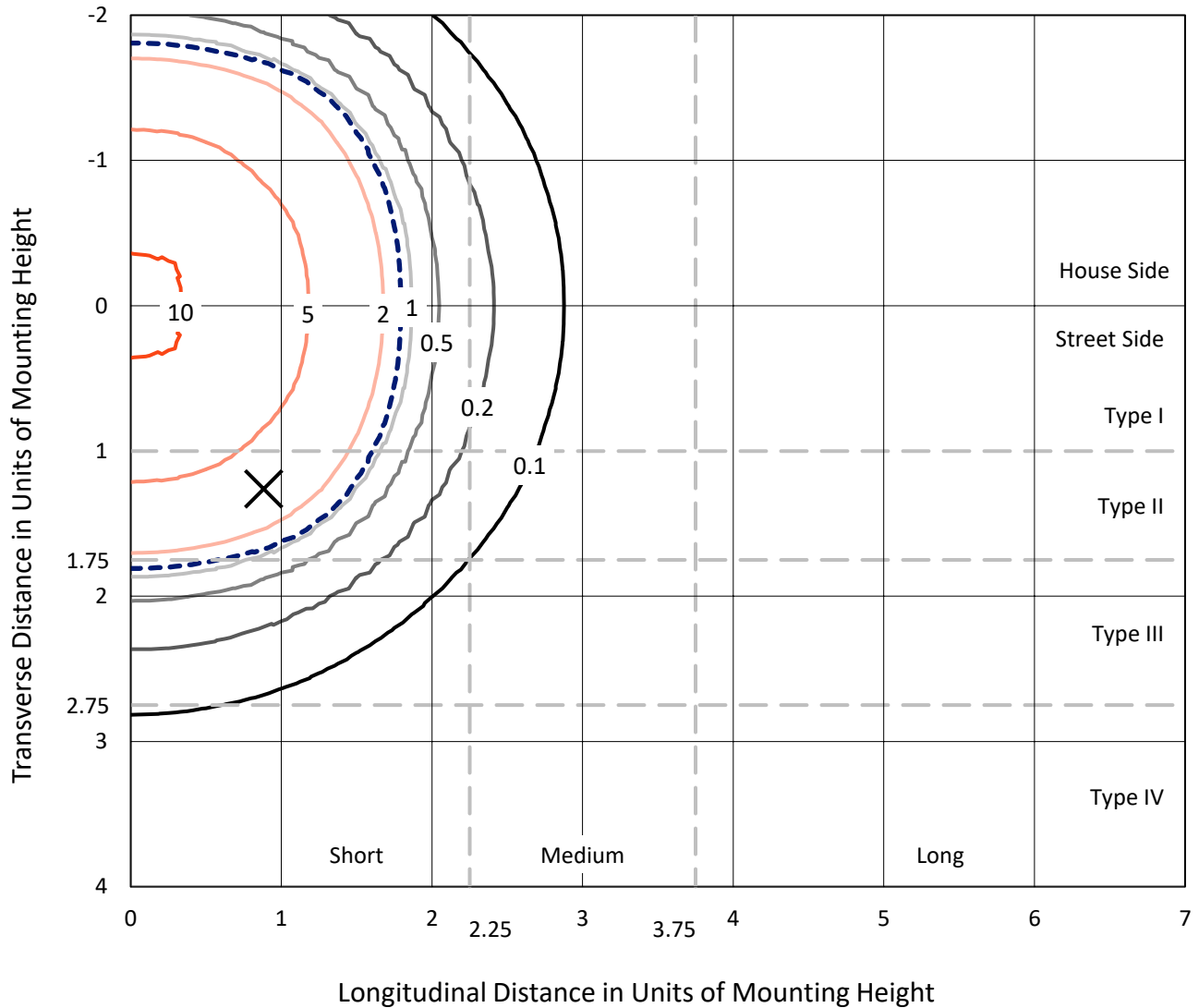
Input Watts (W): 364
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P533760
 CATALOG NUMBER: GALN-SA9B-727-U-5MQ-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

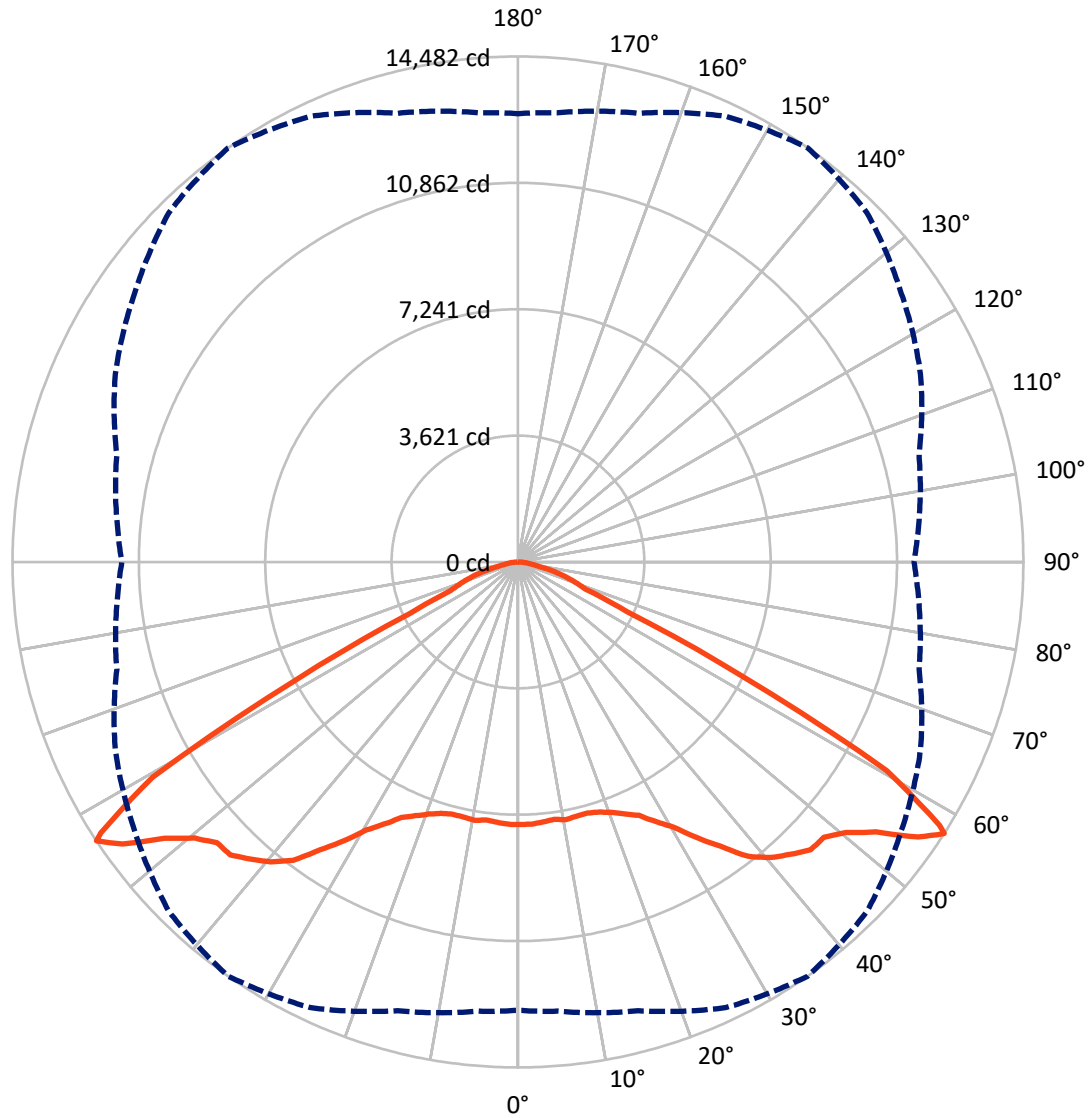
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12 fc
 Type V - Short - N/A

REPORT NUMBER: P533760
CATALOG NUMBER: GALN-SA9B-727-U-5MQ-GRSWH

Luminous Intensity Polar Plot



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

REPORT NUMBER: P533760
 CATALOG NUMBER: GALN-SA9B-727-U-5MQ-GRSWH

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	19039.5	0.0	19039.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	19039.5	0.0	19039.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	38079.0	0.0	38079.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	712.9	1.9
10°-20°	2111.6	5.5
20°-30°	3687.8	9.7
30°-40°	6042.6	15.9
40°-50°	8859.9	23.3
50°-60°	11159.7	29.3
60°-70°	4197.1	11.0
70°-80°	1116.0	2.9
80°-90°	191.3	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°	38079.0	100.0
0°-180°	38079.0	100.0

Coefficient of Utilization



REPORT NUMBER: P533760

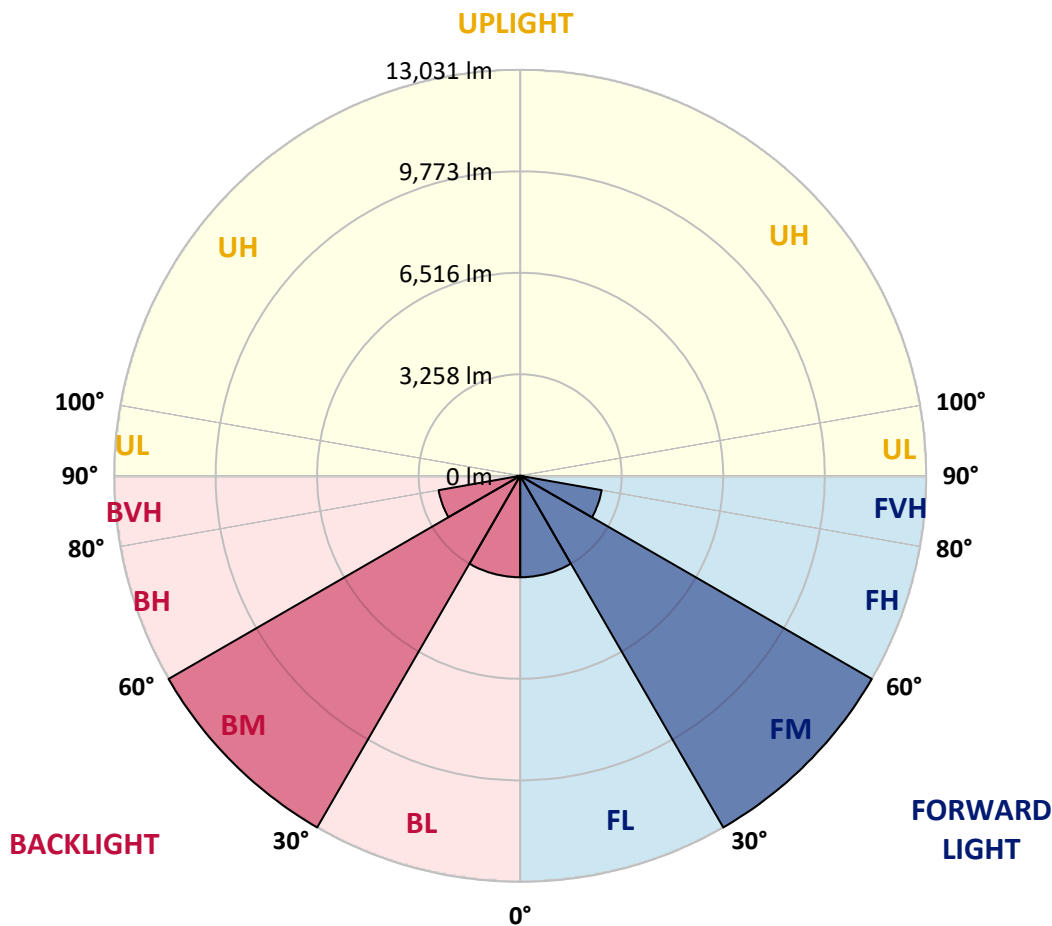
CATALOG NUMBER: GALN-SA9B-727-U-5MQ-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3256.2	8.6			
FM (30°-60°)	13031.1	34.2			
FH (60°-80°)	2656.5	7.0			G2/5000
FVH (80°-90°)	95.7	0.3			G1/100
BL (0°-30°)	3256.2	8.6	B4/5000		
BM (30°-60°)	13031.1	34.2	B5		
BH (60°-80°)	2656.5	7.0	B4/5000		G2/5000
BVH (80°-90°)	95.7	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





REPORT NUMBER: P533760

CATALOG NUMBER: GALN-SA9B-727-U-5MQ-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	7520.3	7520.3	7520.3	7520.3	7520.3	7520.3	7520.3	7520.3	7520.3	7520.3	7520.3
2.5°	7482.8	7557.9	7525.0	7506.2	7520.3	7496.9	7459.3	7501.6	7492.2	7454.6	7440.6
5°	7464.0	7520.3	7482.8	7520.3	7482.8	7548.5	7529.7	7459.3	7543.8	7464.0	7492.2
7.5°	7450.0	7468.7	7478.1	7459.3	7445.3	7525.0	7482.8	7450.0	7403.0	7389.0	7412.4
10°	7417.1	7464.0	7393.7	7487.5	7506.2	7450.0	7450.0	7389.0	7351.4	7328.0	7407.7
12.5°	7501.6	7421.8	7412.4	7459.3	7473.4	7496.9	7431.2	7398.3	7328.0	7337.4	7323.3
15°	7403.0	7435.9	7440.6	7450.0	7464.0	7520.3	7459.3	7389.0	7360.8	7262.3	7271.7
17.5°	7440.6	7407.7	7440.6	7548.5	7529.7	7571.9	7506.2	7398.3	7332.7	7276.4	7351.4
20°	7506.2	7492.2	7506.2	7637.6	7661.1	7698.6	7642.3	7543.8	7417.1	7351.4	7389.0
22.5°	7576.6	7567.2	7576.6	7703.3	7839.3	7886.3	7830.0	7600.1	7534.4	7412.4	7370.2
25°	7703.3	7712.7	7811.2	7951.9	8041.1	8130.2	8027.0	7862.8	7651.7	7576.6	7487.5
27.5°	7984.8	8008.2	8064.5	8270.9	8425.8	8505.5	8360.1	8134.9	8003.5	7848.7	7825.3
30°	8331.9	8331.9	8430.5	8608.7	8819.8	8941.8	8763.5	8496.1	8336.6	8252.2	8200.6
32.5°	8791.7	8740.1	8777.6	9091.9	9420.3	9523.6	9284.3	8955.9	8702.6	8590.0	8552.4
35°	9185.8	9218.6	9303.1	9640.8	10006.8	10246.0	9870.7	9443.8	9185.8	9082.6	9063.8
37.5°	9697.1	9753.4	9795.7	10260.1	10701.1	10790.2	10429.0	10086.5	9772.2	9687.8	9640.8
40°	10419.6	10382.1	10396.2	10738.6	11137.4	11193.7	10837.1	10593.2	10335.2	10283.6	10283.6
42.5°	11015.4	10973.2	11020.1	11146.8	11451.7	11409.5	11212.5	11034.2	10926.3	10870.0	10926.3
45°	11376.7	11367.3	11451.7	11545.5	11761.4	11620.6	11465.8	11493.9	11390.7	11296.9	11292.2
47.5°	11770.7	11709.7	11813.0	11953.7	11789.5	11723.8	11714.4	11775.4	11742.6	11578.4	11526.8
50°	11963.1	11939.6	12103.8	12268.0	12178.9	12028.8	12061.6	12160.1	11737.9	11517.4	11390.7
52.5°	12479.1	12483.8	12798.2	12887.3	12849.8	12629.3	12699.6	12432.2	11934.9	11625.3	11639.4
55°	13290.7	13257.9	13609.8	13872.5	13914.7	13633.2	13295.4	12920.1	12296.2	11981.8	11888.0
57°	12845.1	12920.1	13309.5	14088.3	14482.4	14149.3	13412.7	12727.8	11897.4	11517.4	11348.5
57.5°	12249.3	12371.2	13046.8	13830.3	14243.1	14215.0	13267.3	12371.2	11630.0	11038.9	11052.9
60°	8974.7	8998.1	9608.0	10851.2	12141.4	12169.5	11015.4	9828.5	9002.8	8360.1	8449.2
62.5°	4733.6	4841.5	5085.5	6084.8	7201.3	7473.4	6774.4	6164.5	5451.4	4963.5	5010.4
65°	2505.2	2491.1	2608.4	2889.9	3438.8	3579.5	3485.7	3002.5	2753.9	2674.1	2678.8
67.5°	2036.1	2059.5	2045.5	2059.5	2097.1	2158.0	2144.0	2162.7	2176.8	2200.3	2195.6
70°	1726.4	1726.4	1735.8	1740.5	1740.5	1768.7	1801.5	1862.5	1867.2	1890.6	1900.0
72.5°	1360.5	1351.1	1365.2	1398.0	1402.7	1426.2	1473.1	1510.6	1524.7	1524.7	1496.6
75°	924.2	933.6	952.4	980.5	1008.7	1050.9	1088.4	1111.9	1121.2	1107.2	1093.1
77.5°	520.7	530.1	544.2	586.4	619.3	656.8	699.0	722.5	745.9	750.6	722.5
80°	309.6	309.6	333.1	365.9	403.5	441.0	478.5	506.7	516.1	516.1	502.0
82.5°	187.7	192.3	211.1	244.0	276.8	300.2	333.1	356.5	375.3	370.6	361.2
85°	98.5	98.5	117.3	145.4	168.9	192.3	192.3	178.3	168.9	145.4	136.1
87.5°	32.8	28.1	37.5	37.5	32.8	37.5	37.5	42.2	42.2	42.2	42.2
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)