

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: P532407

Luminaire Tested: **GALN-SA7D-735-U-5MQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P532407
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-3)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA7D-735-U-5MQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 70 CRI, 3500K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V
MEDIUM OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 30124 lumens
Efficiency: N/A
Efficacy: 69.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

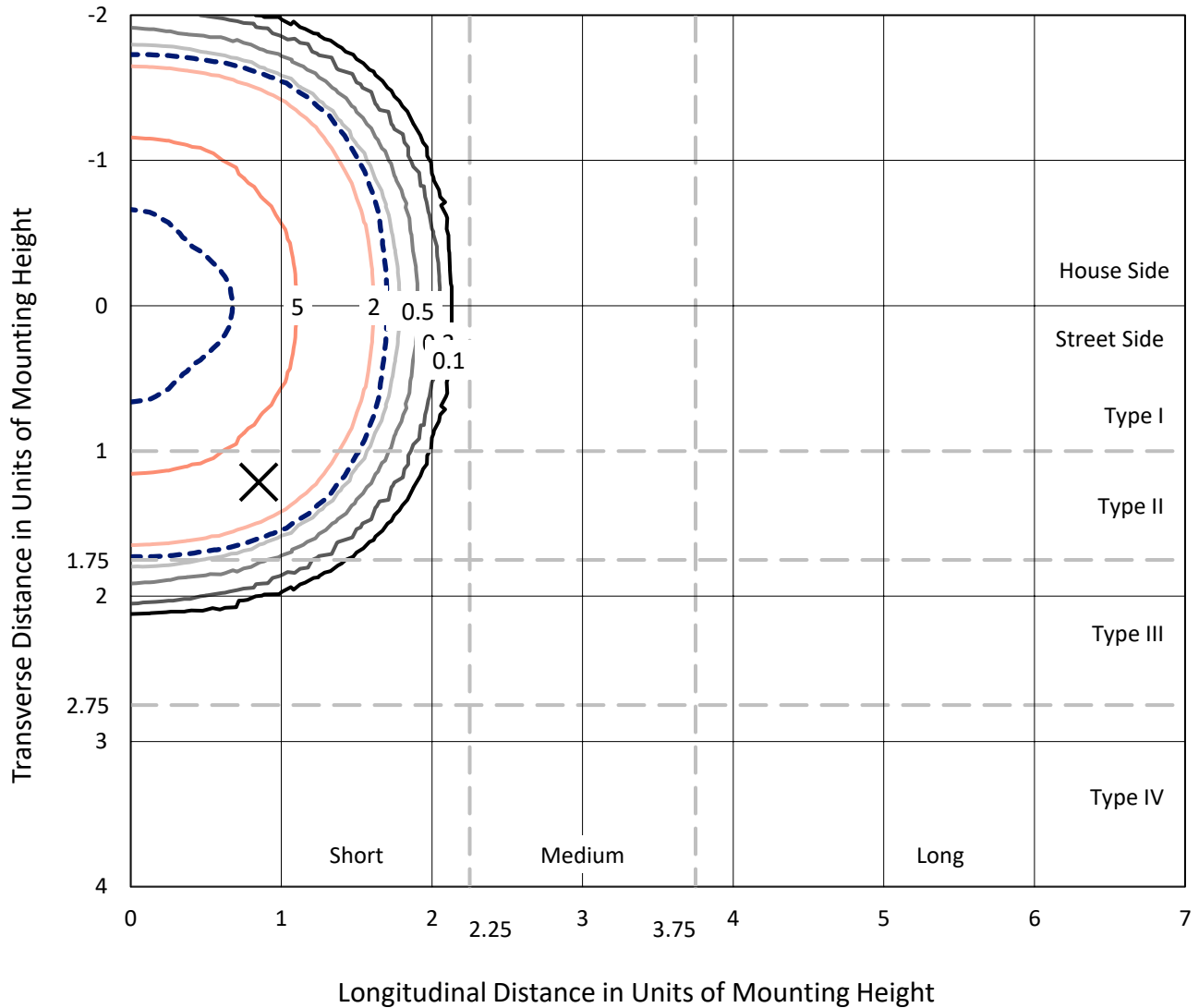
Input Watts (W): 433
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P532407
 CATALOG NUMBER: GALN-SA7D-735-U-5MQ-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

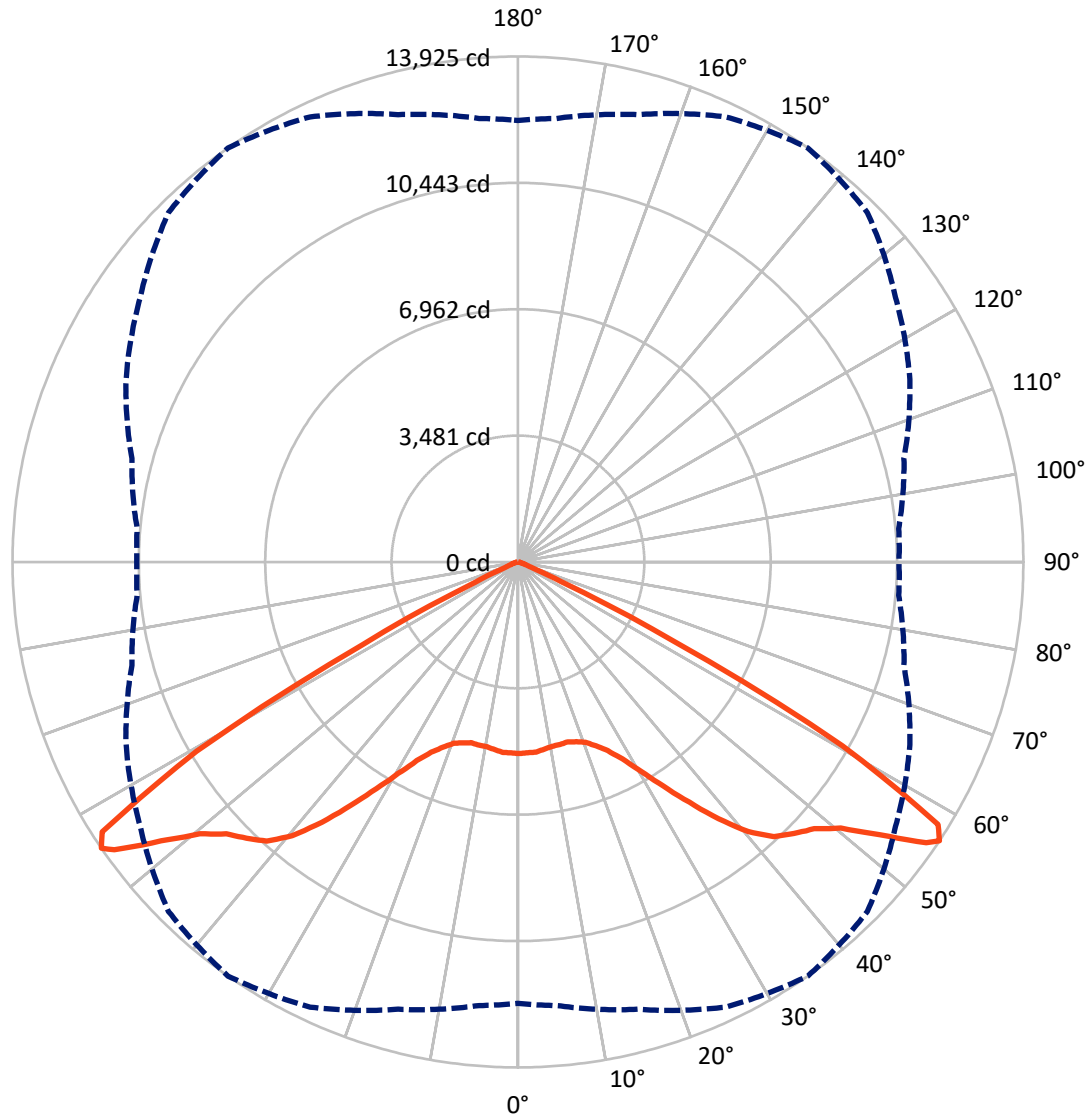
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.4 fc
 Type V - Short - N/A

REPORT NUMBER: P532407
CATALOG NUMBER: GALN-SA7D-735-U-5MQ-GRSBK

Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 56-Deg Vertical

REPORT NUMBER: P532407
 CATALOG NUMBER: GALN-SA7D-735-U-5MQ-GRSBK

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	15062.0	0.0	15062.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	15062.0	0.0	15062.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	30124.0	0.0	30124.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	496.1	1.6
10°-20°	1448.3	4.8
20°-30°	2622.7	8.7
30°-40°	4863.5	16.1
40°-50°	7983.1	26.5
50°-60°	10284.5	34.1
60°-70°	2266.6	7.5
70°-80°	131.5	0.4
80°-90°	27.7	0.1
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°	30124.0	100.0
0°-180°	30124.0	100.0

Coefficient of Utilization



REPORT NUMBER: P532407

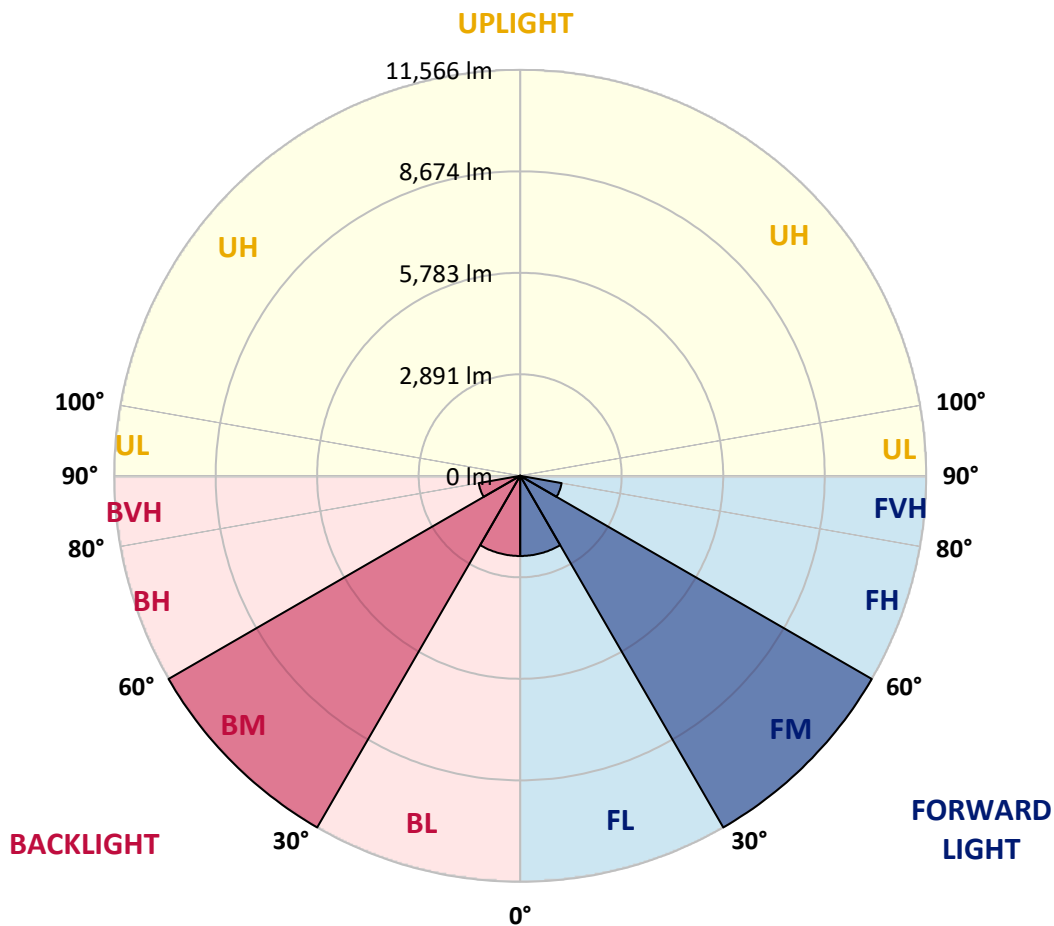
CATALOG NUMBER: GALN-SA7D-735-U-5MQ-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2283.6	7.6			
FM (30°-60°)	11565.5	38.4			
FH (60°-80°)	1199.1	4.0			G1/1800
FVH (80°-90°)	13.8	0.0			G1/100
BL (0°-30°)	2283.6	7.6	B3/2500		
BM (30°-60°)	11565.5	38.4	B5		
BH (60°-80°)	1199.1	4.0	B3/2500		G1/1800
BVH (80°-90°)	13.8	0.0			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





REPORT NUMBER: P532407

CATALOG NUMBER: GALN-SA7D-735-U-5MQ-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	5278.4	5278.4	5278.4	5278.4	5278.4	5278.4	5278.4	5278.4	5278.4	5278.4	5278.4
2.5°	5289.3	5289.3	5294.7	5300.2	5262.0	5245.6	5251.1	5240.2	5234.7	5251.1	5251.1
5°	5272.9	5272.9	5256.5	5262.0	5262.0	5212.9	5212.9	5223.8	5223.8	5191.0	5180.1
7.5°	5229.2	5218.3	5196.5	5223.8	5207.4	5207.4	5169.2	5141.9	5131.0	5152.8	5131.0
10°	5136.5	5141.9	5163.7	5174.7	5163.7	5196.5	5131.0	5092.8	5054.6	5038.2	5038.2
12.5°	5092.8	5125.5	5092.8	5120.1	5158.3	5131.0	5092.8	5065.5	5010.9	4989.1	4989.1
15°	5087.3	5109.2	5120.1	5158.3	5141.9	5152.8	5076.4	5043.7	4961.8	4923.6	4907.2
17.5°	5081.9	5109.2	5125.5	5196.5	5207.4	5212.9	5152.8	5054.6	4983.6	4945.4	4907.2
20°	5141.9	5152.8	5185.6	5256.5	5300.2	5376.6	5267.5	5163.7	5010.9	4967.2	4950.9
22.5°	5218.3	5272.9	5305.7	5382.1	5496.7	5562.2	5420.3	5289.3	5131.0	5076.4	5010.9
25°	5464.0	5453.0	5507.6	5665.9	5758.7	5807.8	5693.2	5502.2	5294.7	5229.2	5240.2
27.5°	5769.6	5780.6	5829.7	6004.4	6140.8	6217.2	6080.8	5829.7	5627.7	5518.5	5507.6
30°	6168.1	6157.2	6211.8	6446.5	6692.1	6806.8	6566.6	6271.8	6075.3	5933.4	5966.1
32.5°	6588.4	6593.9	6746.7	6959.6	7358.1	7581.9	7194.3	6834.0	6539.3	6441.0	6391.9
35°	7210.7	7238.0	7358.1	7685.6	8127.7	8417.0	7991.2	7560.0	7221.6	7041.5	7063.3
37.5°	7980.3	7953.0	8155.0	8509.8	8973.8	9186.7	8826.4	8335.1	7991.2	7871.2	7947.6
40°	8799.1	8826.4	8930.1	9252.2	9770.7	9912.6	9377.7	9110.2	8810.0	8750.0	8842.8
42.5°	9617.9	9601.5	9677.9	9967.2	10343.9	10245.6	9929.0	9770.7	9557.8	9437.8	9563.3
45°	10218.3	10191.0	10332.9	10529.5	10665.9	10480.3	10338.4	10283.8	10174.7	10043.6	10158.3
47.5°	10802.4	10780.5	10917.0	10971.6	10982.5	10736.9	10764.2	10862.4	10589.5	10316.6	10447.6
50°	11299.1	11260.9	11430.1	11550.2	11522.9	11129.9	11228.1	11129.9	10704.1	10382.1	10332.9
52.5°	12128.8	12145.2	12325.3	12543.6	12478.1	12150.6	12008.7	11561.1	11015.3	10726.0	10556.7
55°	12652.8	12570.9	12882.1	13575.3	13651.7	13313.3	12685.6	12025.1	11206.3	10851.5	10807.8
56°	12161.5	12265.3	12756.5	13531.6	13924.6	13613.5	12701.9	11910.5	11009.8	10529.5	10496.7
57.5°	10911.5	10857.0	11522.9	12581.8	13651.7	13520.7	12254.3	11091.7	10043.6	9503.3	9437.8
60°	6790.4	6948.7	7532.7	8842.8	10272.9	10338.4	9082.9	8084.0	6861.3	6381.0	6495.6
62.5°	2658.3	2521.8	2887.5	3864.6	4847.2	5065.5	4590.6	3815.5	3133.2	2658.3	2625.5
65°	616.8	600.4	676.9	933.4	1304.6	1512.0	1435.6	1031.7	758.7	720.5	665.9
67.5°	349.3	349.3	333.0	333.0	365.7	387.6	371.2	365.7	382.1	398.5	393.0
70°	245.6	240.2	229.3	234.7	223.8	223.8	240.2	267.5	289.3	289.3	294.8
72.5°	147.4	147.4	147.4	163.8	163.8	163.8	180.1	202.0	207.4	202.0	196.5
75°	65.5	65.5	76.4	92.8	103.7	109.2	125.5	136.5	147.4	136.5	125.5
77.5°	16.4	16.4	27.3	38.2	49.1	60.0	81.9	98.3	103.7	98.3	81.9
80°	5.5	5.5	10.9	27.3	49.1	60.0	81.9	87.3	92.8	81.9	65.5
82.5°	5.5	5.5	10.9	27.3	38.2	49.1	65.5	76.4	81.9	71.0	65.5
85°	0.0	5.5	10.9	21.8	32.8	43.7	43.7	32.8	27.3	16.4	21.8
87.5°	0.0	0.0	5.5	5.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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)