

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: P652486

Luminaire Tested: **GALN-SA7B-840-U-5WQ**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P652486
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-1)
Test Lab: INNOVATION CENTER
Issue Date: 1/4/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA7B-840-U-5WQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 80 CRI, 4000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 34884.7 lumens
Efficiency: N/A
Efficacy: 122.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

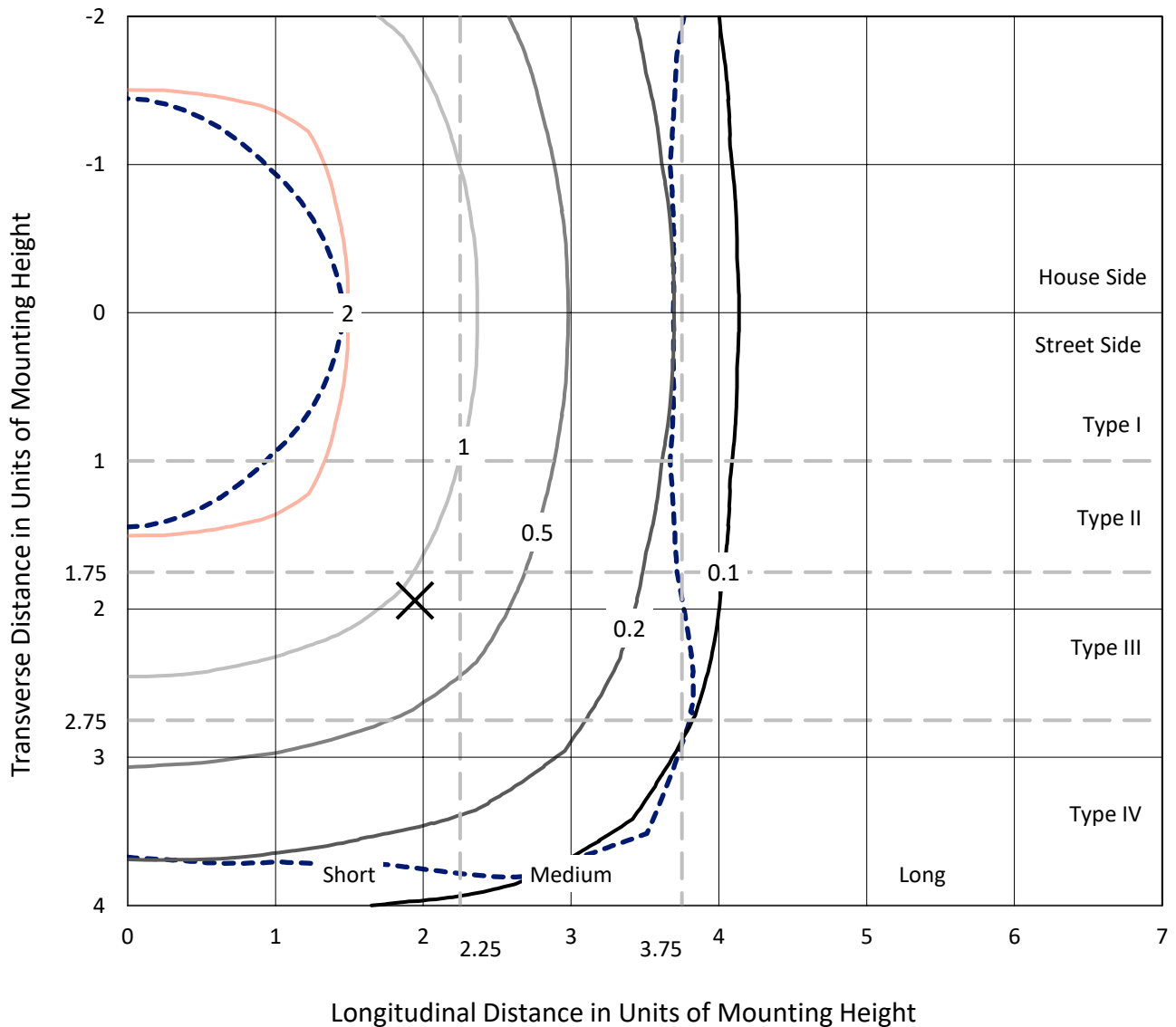
Input Watts (W): 286
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P652486
 CATALOG NUMBER: GALN-SA7B-840-U-5WQ

Iso-Footcandle Lines of Horizontal Illumination

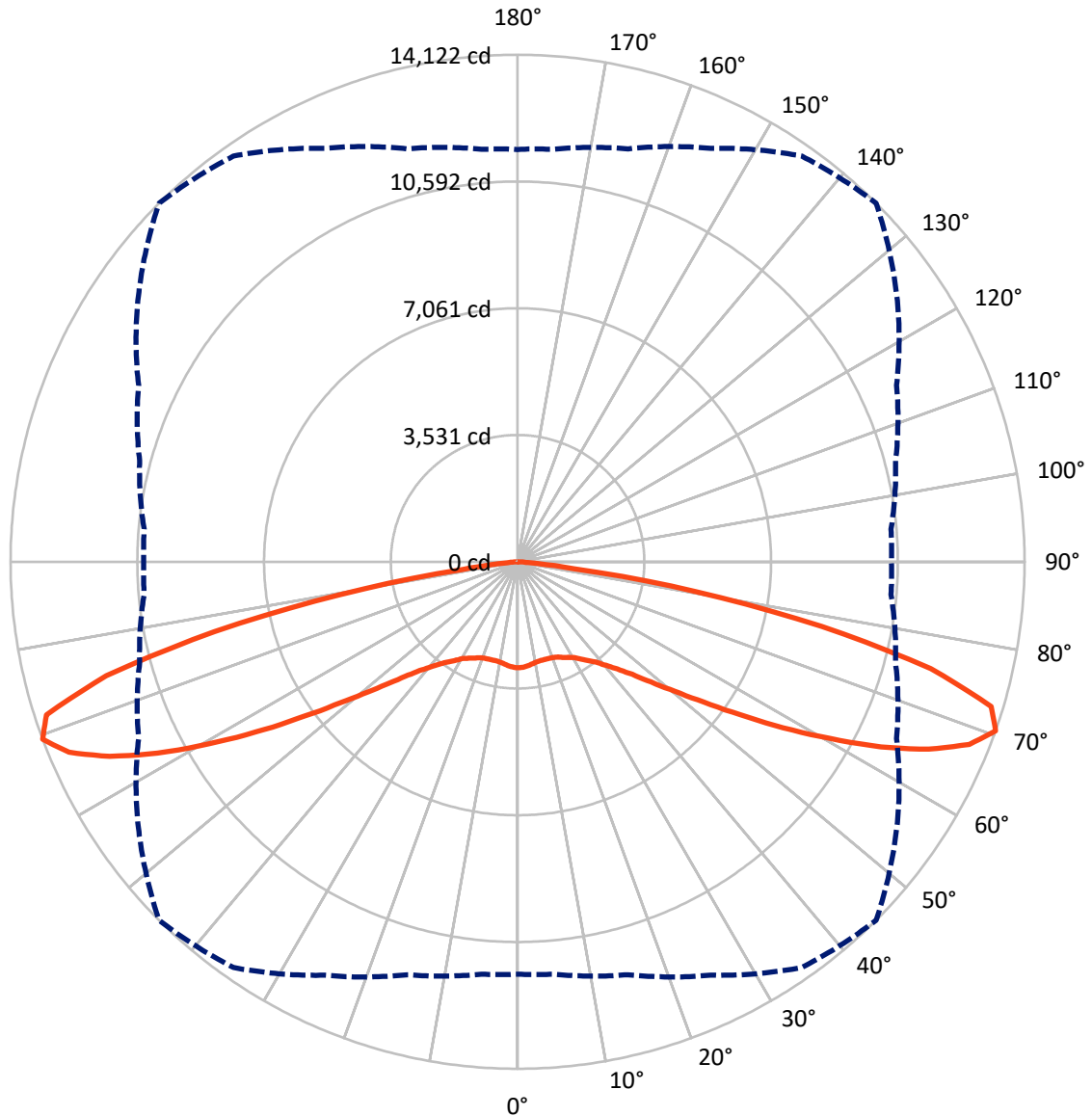
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.7 fc
 Type V - Short - N/A

REPORT NUMBER: P652486
CATALOG NUMBER: GALN-SA7B-840-U-5WQ

Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

REPORT NUMBER: P652486
 CATALOG NUMBER: GALN-SA7B-840-U-5WQ

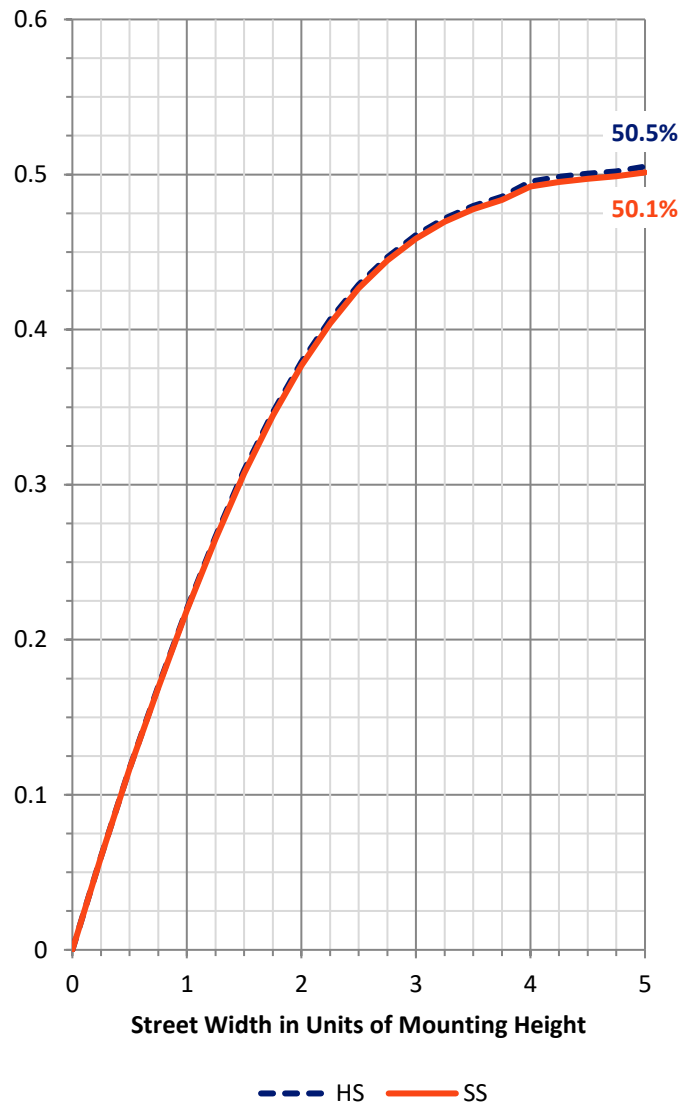
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	17442.3	0.0	17442.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	17442.3	0.0	17442.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	34884.7	0.0	34884.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	276.2	0.8
10°-20°	808.6	2.3
20°-30°	1377.7	3.9
30°-40°	2135.3	6.1
40°-50°	3594.1	10.3
50°-60°	6539.3	18.7
60°-70°	11070.8	31.7
70°-80°	8569.2	24.6
80°-90°	513.5	1.5
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°	34884.7	100.0
0°-180°	34884.7	100.0

Coefficient of Utilization

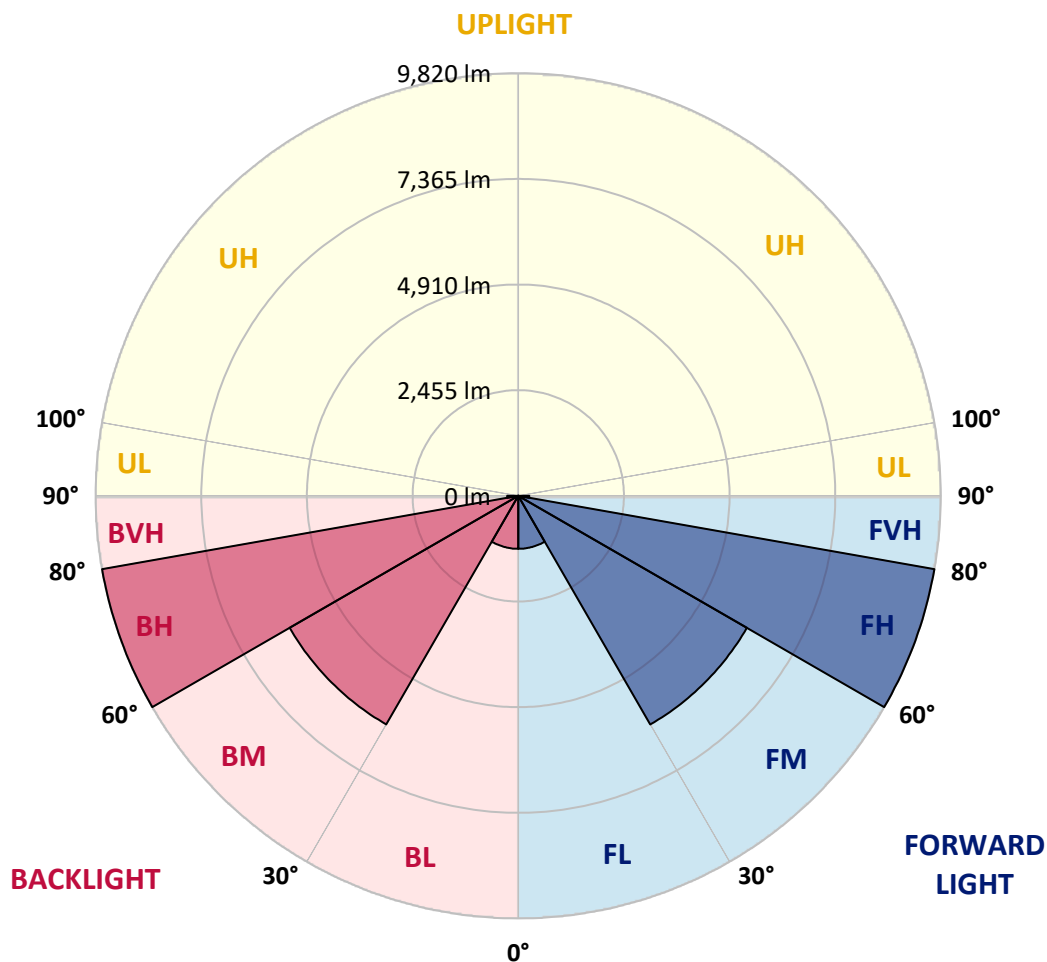


REPORT NUMBER: P652486
 CATALOG NUMBER: GALN-SA7B-840-U-5WQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1231.2	3.5			
FM (30°-60°)	6134.4	17.6			
FH (60°-80°)	9820.0	28.1			G4/12000
FVH (80°-90°)	256.7	0.7			G3/500
BL (0°-30°)	1231.2	3.5	B3/2500		
BM (30°-60°)	6134.4	17.6	B4/8500		
BH (60°-80°)	9820.0	28.1	B5		G4/12000
BVH (80°-90°)	256.7	0.7			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G4
 Type V Short





REPORT NUMBER: P652486
 CATALOG NUMBER: GALN-SA7B-840-U-5WQ

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2953.4	2953.4	2953.4	2953.4	2953.4	2953.4	2953.4	2953.4	2953.4	2953.4	2953.4
2.5°	2946.0	2947.9	2947.9	2944.2	2942.3	2942.3	2940.6	2940.6	2946.0	2947.9	2949.7
5°	2920.3	2920.3	2920.3	2918.4	2914.7	2914.7	2911.0	2911.0	2912.9	2918.4	2914.7
7.5°	2885.2	2888.9	2888.9	2881.6	2876.1	2876.1	2874.2	2876.1	2877.9	2883.4	2881.6
10°	2874.2	2876.1	2866.8	2853.9	2844.7	2839.2	2841.1	2844.7	2853.9	2857.6	2859.5
12.5°	2881.6	2881.6	2865.0	2846.5	2830.0	2822.6	2820.8	2833.7	2850.2	2861.3	2865.0
15°	2890.8	2887.1	2866.8	2842.8	2826.3	2824.4	2822.6	2831.8	2855.8	2877.9	2879.8
17.5°	2896.3	2894.5	2868.7	2839.2	2830.0	2830.0	2828.1	2835.5	2861.3	2888.9	2890.8
20°	2914.7	2909.2	2879.8	2848.4	2841.1	2844.7	2839.2	2848.4	2876.1	2909.2	2916.6
22.5°	2951.6	2946.0	2916.6	2885.2	2881.6	2881.6	2879.8	2888.9	2918.4	2953.4	2959.0
25°	2995.8	2990.3	2962.6	2940.6	2944.2	2951.6	2947.9	2949.7	2973.7	3003.1	3012.4
27.5°	3054.8	3045.5	3021.5	3003.1	3014.2	3014.2	3014.2	3012.4	3027.1	3054.8	3063.9
30°	3126.6	3122.9	3097.2	3095.3	3104.5	3095.3	3095.3	3097.2	3099.0	3124.7	3134.0
32.5°	3220.6	3213.2	3200.3	3196.6	3222.4	3229.8	3204.0	3180.1	3192.9	3218.8	3224.2
35°	3375.4	3364.3	3345.8	3325.6	3345.8	3380.8	3325.6	3307.1	3340.3	3375.4	3379.1
37.5°	3585.4	3579.8	3550.4	3513.5	3511.7	3548.5	3491.4	3489.6	3552.2	3594.6	3600.1
40°	3848.8	3854.4	3817.6	3782.5	3764.1	3793.6	3749.3	3765.9	3826.7	3874.7	3871.0
42.5°	4219.1	4198.9	4141.8	4108.6	4088.4	4077.3	4066.2	4092.1	4160.2	4211.8	4252.3
45°	4652.2	4644.8	4572.9	4532.4	4488.2	4471.6	4467.9	4514.0	4596.8	4659.5	4665.0
47.5°	5142.2	5125.6	5079.6	5037.2	5020.6	5000.3	4981.9	5016.9	5099.8	5144.1	5156.9
50°	5647.1	5650.8	5650.8	5643.4	5659.9	5663.6	5613.8	5626.8	5672.9	5669.2	5665.5
52.5°	6223.7	6244.0	6339.8	6349.0	6428.3	6481.7	6391.4	6337.9	6321.4	6221.9	6229.3
55°	6901.8	6920.2	7063.9	7207.6	7421.3	7511.6	7321.8	7156.0	7038.1	6887.0	6894.3
57.5°	7747.5	7756.6	7893.0	8169.3	8508.3	8720.2	8386.7	8058.8	7819.3	7675.6	7618.5
60°	8657.6	8666.8	8865.7	9203.0	9729.9	9987.8	9575.1	9039.0	8736.8	8517.6	8532.3
62.5°	9750.1	9787.0	9965.7	10430.0	11069.3	11358.5	10811.4	10094.7	9685.6	9413.0	9424.0
65°	10920.0	10982.7	11178.0	11688.4	12277.9	12589.3	11918.7	11091.4	10582.9	10249.4	10284.4
67.5°	11679.1	11734.5	12016.3	12580.1	13315.2	13573.2	12707.3	11743.6	11108.0	10710.1	10636.4
70°	11485.7	11531.8	11907.6	12707.3	13796.1	14122.2	12895.1	11647.8	10899.8	10441.0	10411.6
72.5°	10138.9	10043.1	10592.1	11739.9	13247.1	13794.3	12303.7	10638.2	9696.7	9225.0	9169.8
75°	6719.3	6927.6	7738.2	9090.5	11207.5	11885.5	10501.8	8541.5	7356.8	6964.4	6903.6
77.5°	2245.9	2406.2	3126.6	5153.3	7640.6	8659.4	7651.6	5586.3	3952.0	3183.7	3198.5
80°	595.1	587.8	760.9	1416.8	3301.6	5015.1	3843.3	1892.2	1035.4	749.8	711.1
82.5°	213.7	239.5	307.7	392.4	875.1	1558.7	1099.9	530.6	388.8	287.5	278.2
85°	93.9	92.1	132.6	156.6	219.2	291.1	257.9	224.8	197.1	130.8	121.6
87.5°	20.3	20.3	31.3	24.0	38.7	38.7	47.9	57.1	59.0	38.7	31.3
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)