

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: P651502

Luminaire Tested: **GALN-SA7D-840-U-RW-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P651502
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-8)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA7D-840-U-RW-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 80 CRI, 4000K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR
WIDE OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 39706.1 lumens
Efficiency: N/A
Efficacy: 91.7 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

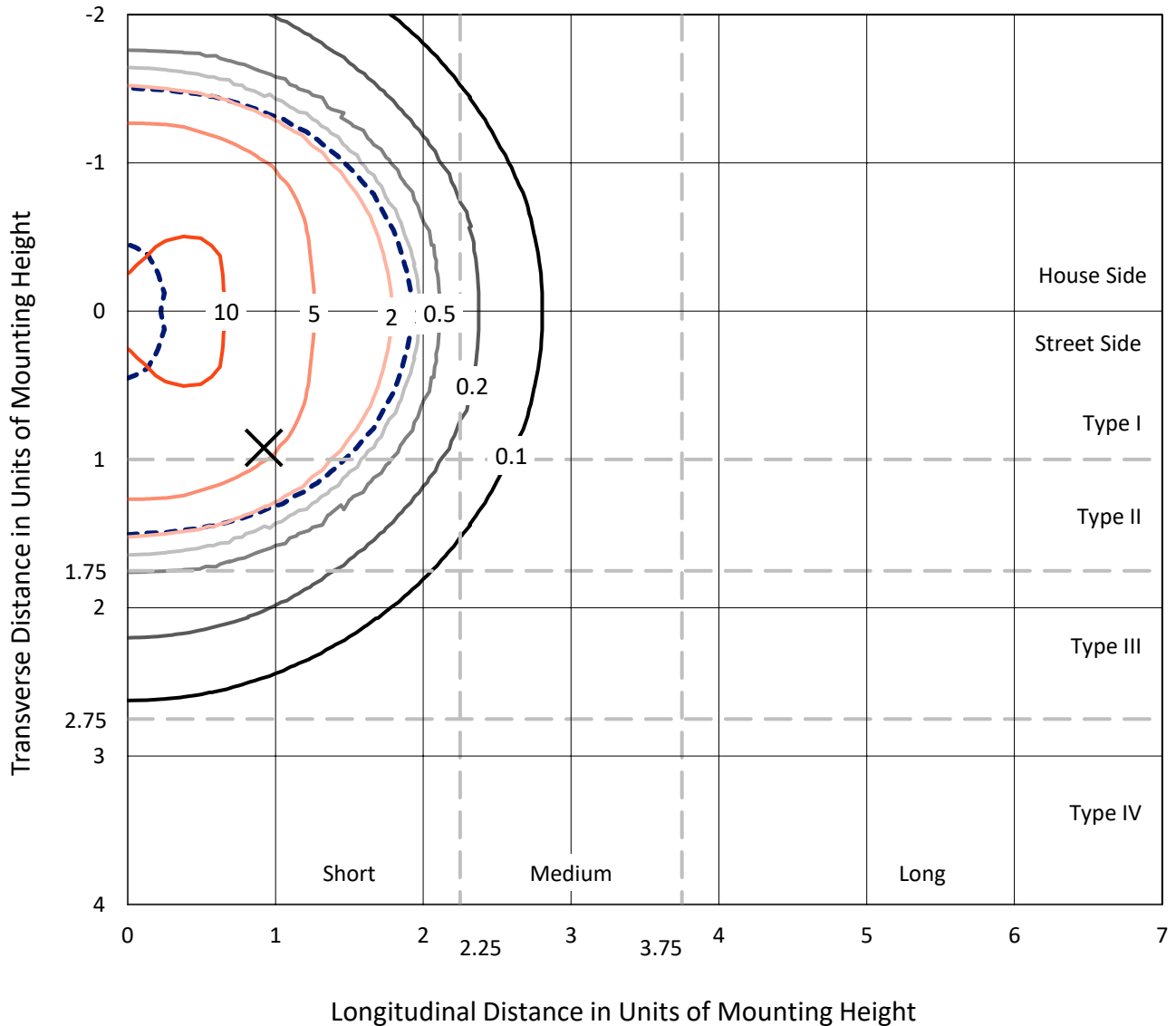
Input Watts (W): 433
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P651502
 CATALOG NUMBER: GALN-SA7D-840-U-RW-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

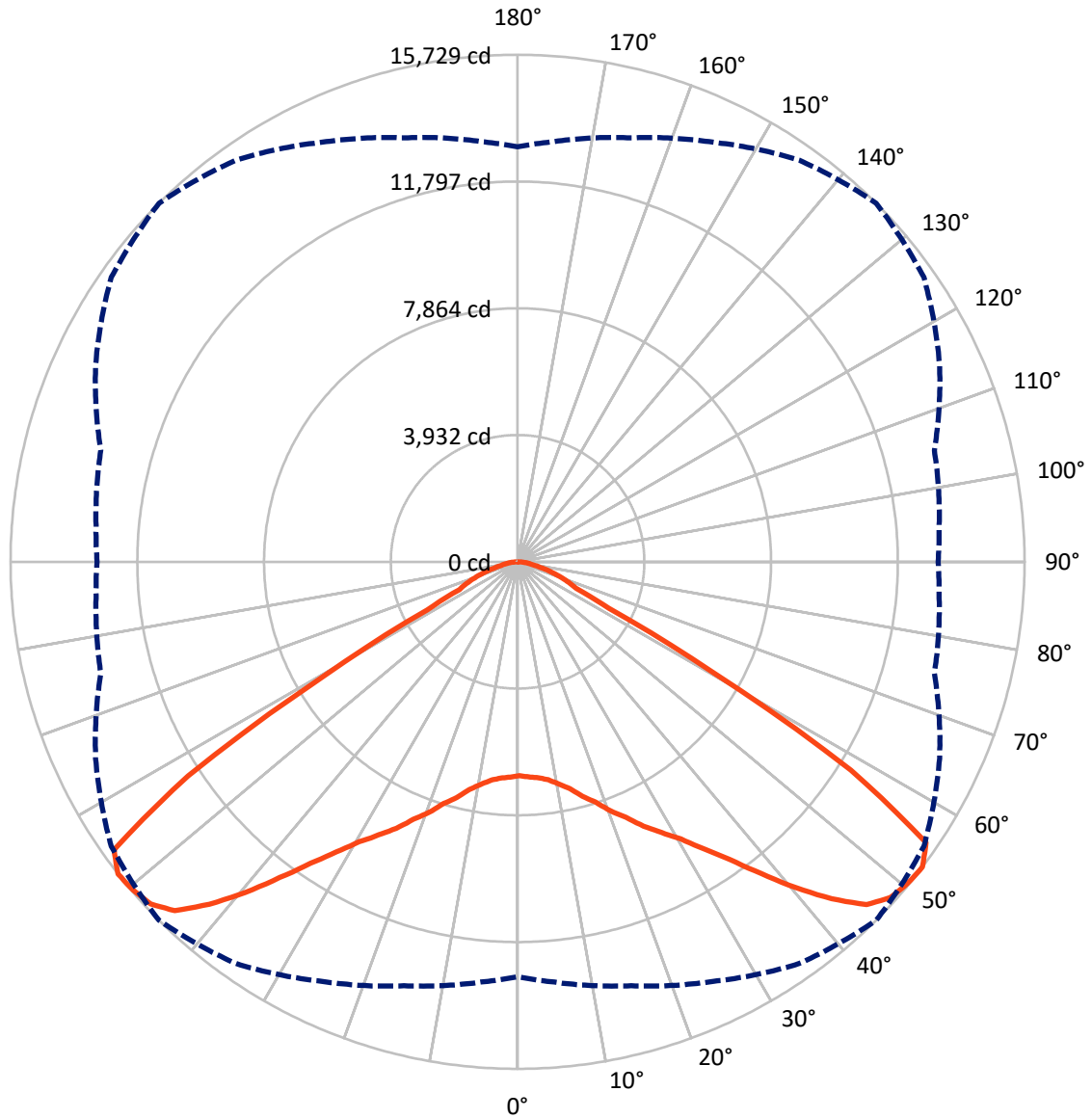
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.7 fc
 Type V - Short - N/A

REPORT NUMBER: P651502
CATALOG NUMBER: GALN-SA7D-840-U-RW-GRSWH

Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 52.5-Deg Vertical

REPORT NUMBER: P651502
 CATALOG NUMBER: GALN-SA7D-840-U-RW-GRSWH

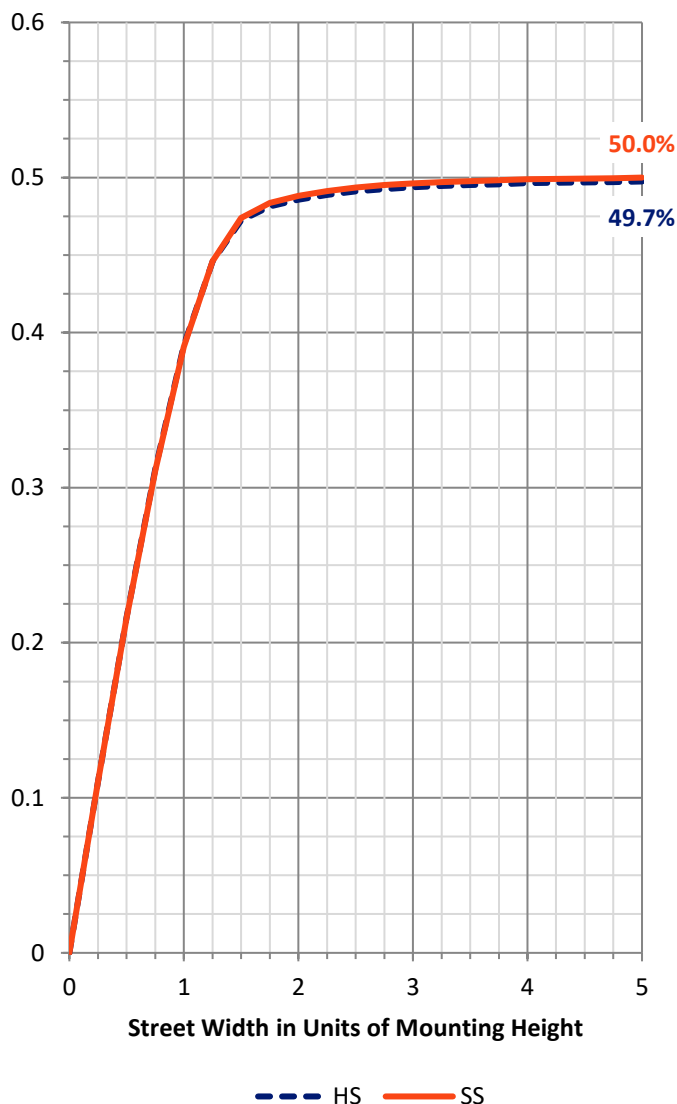
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	19853.1	0.0	19853.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	19853.1	0.0	19853.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	39706.1	0.0	39706.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	652.1	1.6
10°-20°	2142.8	5.4
20°-30°	4079.5	10.3
30°-40°	7004.9	17.6
40°-50°	10766.7	27.1
50°-60°	10933.4	27.5
60°-70°	3047.0	7.7
70°-80°	898.8	2.3
80°-90°	181.0	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°	39706.1	100.0
0°-180°	39706.1	100.0

Coefficient of Utilization



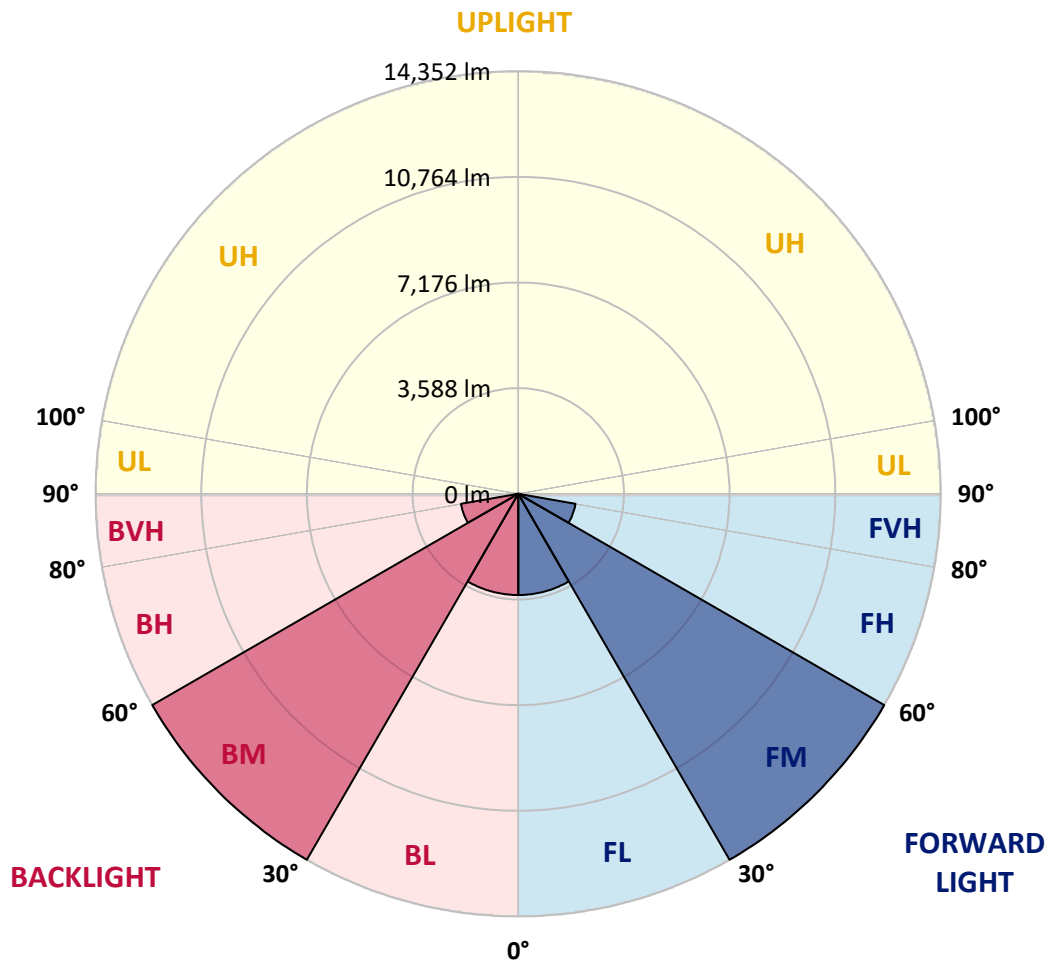
REPORT NUMBER: P651502
 CATALOG NUMBER: GALN-SA7D-840-U-RW-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3437.2	8.7			
FM (30°-60°)	14352.4	36.1			
FH (60°-80°)	1972.9	5.0			G2/5000
FVH (80°-90°)	90.5	0.2			G1/100
BL (0°-30°)	3437.2	8.7	B4/5000		
BM (30°-60°)	14352.4	36.1	B5		
BH (60°-80°)	1972.9	5.0	B3/2500		G2/5000
BVH (80°-90°)	90.5	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-G2

Type V Short





REPORT NUMBER: P651502

CATALOG NUMBER: GALN-SA7D-840-U-RW-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	6637.4	6637.4	6637.4	6637.4	6637.4	6637.4	6637.4	6637.4	6637.4	6637.4	6637.4
2.5°	6652.2	6583.2	6607.8	6622.6	6686.7	6681.7	6666.9	6686.7	6706.4	6711.3	6701.4
5°	6647.3	6598.0	6617.7	6632.5	6696.5	6731.0	6721.2	6805.0	6864.1	6849.3	6923.2
7.5°	6607.8	6637.4	6612.8	6686.7	6740.9	6824.6	6913.4	6992.2	7066.1	7149.8	7164.6
10°	6696.5	6696.5	6740.9	6800.0	6942.9	7007.0	7135.0	7248.4	7391.3	7489.9	7450.4
12.5°	6790.1	6805.0	6805.0	6957.7	7075.9	7218.9	7337.1	7489.9	7691.9	7810.2	7869.3
15°	6883.8	6893.7	6942.9	7149.8	7327.3	7553.9	7662.4	7800.3	7913.6	8135.4	8140.3
17.5°	6967.5	7021.8	7169.6	7401.1	7622.9	7839.7	8012.2	8155.1	8253.7	8342.3	8322.6
20°	7282.9	7322.3	7475.1	7706.7	8036.8	8248.7	8307.8	8332.5	8396.5	8573.9	8519.8
22.5°	7588.4	7603.2	7746.1	8100.8	8332.5	8613.4	8677.4	8662.6	8687.3	8731.6	8810.5
25°	7903.8	7928.4	8125.5	8426.1	8751.4	9086.4	9140.6	9027.3	8992.7	9042.0	9047.0
27.5°	8307.8	8312.8	8564.1	8825.2	9194.8	9510.2	9594.0	9505.2	9342.6	9382.0	9446.1
30°	8820.3	8785.8	9037.1	9411.6	9800.8	9978.3	10121.2	10076.9	9899.4	9864.9	9810.8
32.5°	9411.6	9421.5	9648.1	10057.1	10313.4	10609.0	10761.8	10687.8	10574.5	10515.4	10549.8
35°	10244.4	10288.7	10441.4	10781.5	11195.4	11343.2	11584.7	11427.0	11131.3	11205.2	11269.3
37.5°	10929.3	11057.4	11343.2	11747.3	11993.7	12264.6	12353.4	12141.4	11924.6	11836.0	12047.8
40°	11978.9	11939.4	12254.8	12658.9	13023.5	13294.5	13181.2	12969.3	12432.2	12437.1	12496.3
42.5°	12880.6	12900.4	13141.8	13624.6	14122.3	14289.9	13930.2	13412.8	12816.5	12752.5	12880.6
45°	13639.4	13718.3	13856.2	14501.8	14989.6	15171.9	14506.7	13895.7	13097.4	12831.3	13043.2
47.5°	13910.5	14038.6	14339.1	14930.4	15413.3	15561.2	15029.0	14151.9	13358.6	12925.0	13038.3
50°	13949.9	13905.5	14398.3	14940.3	15364.1	15684.4	15216.3	14339.1	13294.5	13067.9	13033.4
52.5°	12870.7	13087.6	13614.8	14358.9	15216.3	15728.7	15383.8	14442.7	13383.3	13127.0	13043.2
55°	10416.8	10160.6	11121.5	12373.0	13949.9	15373.9	15324.7	14496.8	13437.4	13225.6	13112.2
57.5°	5814.5	5888.4	6430.5	7790.4	9825.5	12190.7	13624.6	13925.3	13412.8	13289.6	13348.7
60°	2690.4	2715.1	2946.7	3582.3	4843.7	6913.4	8800.6	10717.5	11599.4	11776.9	11776.9
62.5°	2005.5	1995.7	2054.8	2168.1	2434.2	3178.3	4242.6	5765.2	6977.4	7824.9	8046.7
65°	1813.4	1808.4	1838.0	1877.4	1897.1	2000.6	2237.1	2705.2	3099.4	3326.1	3286.7
67.5°	1586.6	1581.8	1591.6	1616.2	1650.7	1705.0	1764.1	1862.6	2000.6	1990.7	1966.1
70°	1281.2	1281.2	1296.0	1315.7	1355.1	1419.1	1488.1	1557.1	1675.4	1700.0	1695.0
72.5°	946.1	931.3	960.8	1000.3	1039.7	1118.5	1192.5	1256.5	1340.3	1364.9	1355.1
75°	601.1	611.0	630.8	675.1	744.0	798.3	877.1	931.3	985.5	1005.2	1010.1
77.5°	335.1	344.9	379.5	433.6	502.6	561.7	630.8	675.1	709.6	714.5	719.4
80°	202.0	207.0	241.5	290.7	349.9	413.9	468.1	512.5	542.0	527.2	522.3
82.5°	123.2	128.1	157.7	202.0	251.3	300.6	359.7	399.1	428.7	409.0	389.3
85°	64.1	69.0	93.6	123.2	162.6	187.2	187.2	167.5	162.6	152.7	147.8
87.5°	19.7	19.7	24.6	29.6	24.6	29.6	34.5	39.4	39.4	44.3	39.4
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)