

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: P652512

Luminaire Tested: **GALN-SA7B-840-U-T1**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P652512
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-5)
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-T1
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 80 CRI, 4000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 33272.5 lumens
Efficiency: N/A
Efficacy: 116.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type I - Short
BUG Rating: B5 - U0 - G5

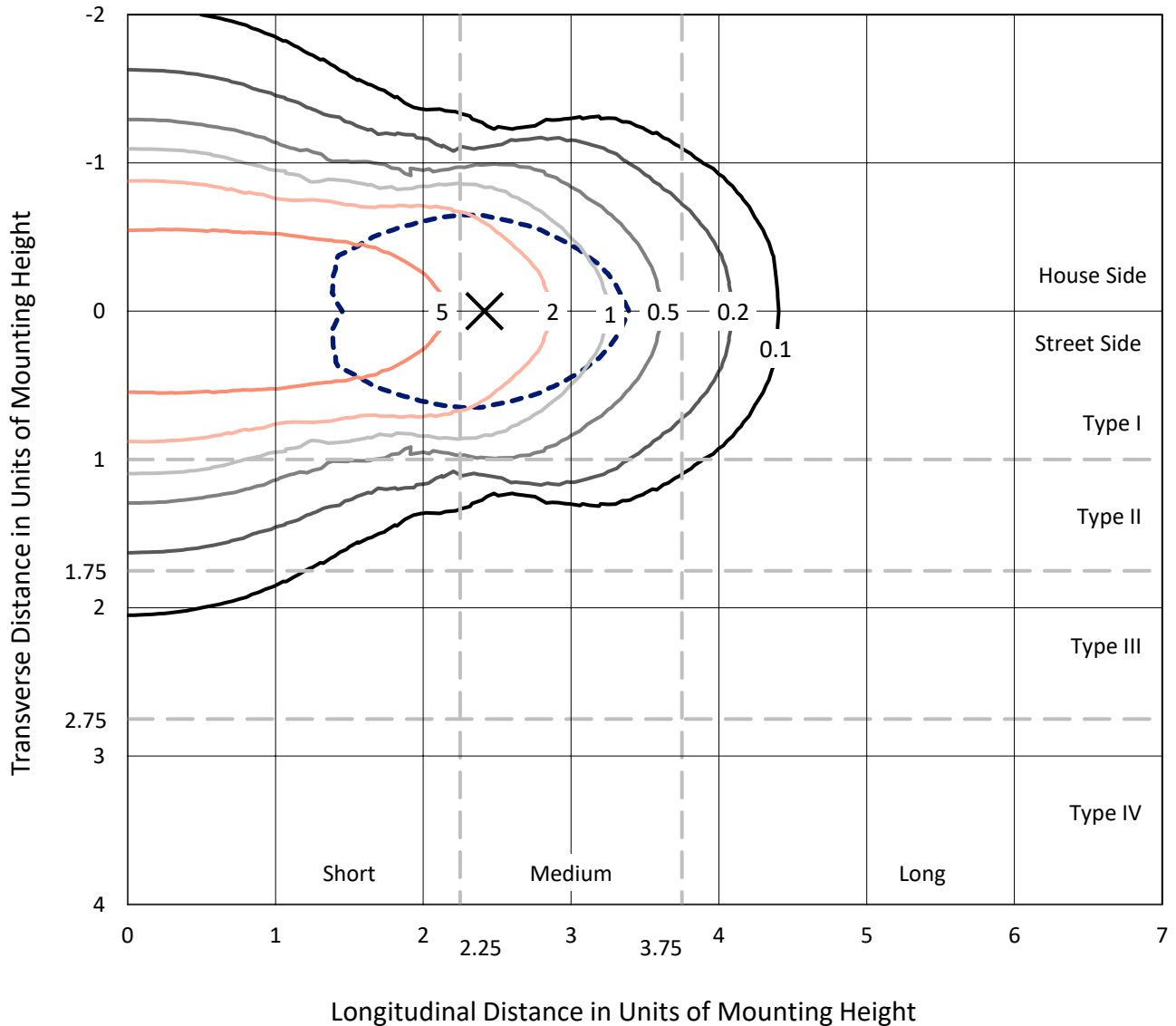
Input Watts (W): 286
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

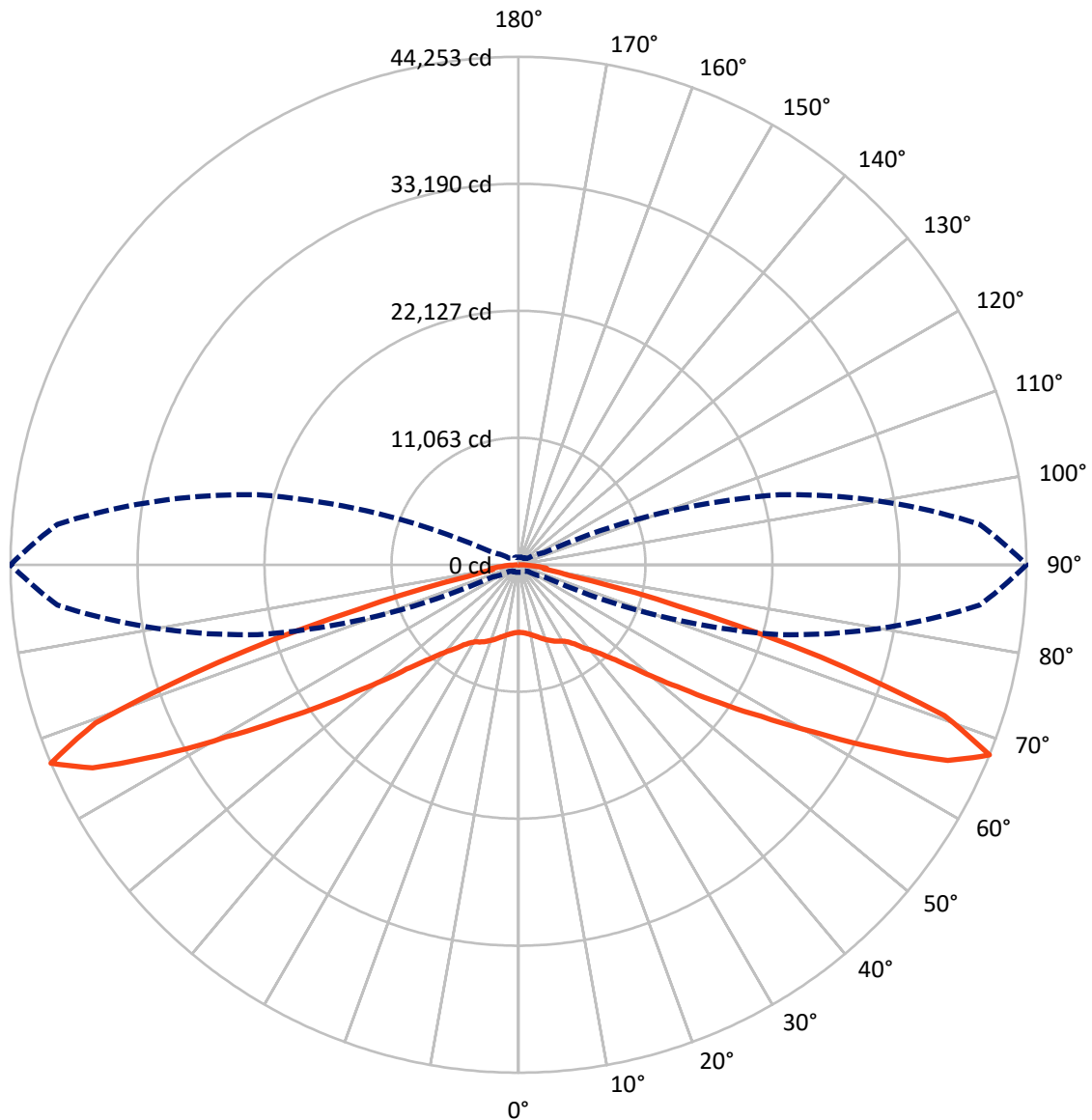
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.9 fc
 Type I - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 90-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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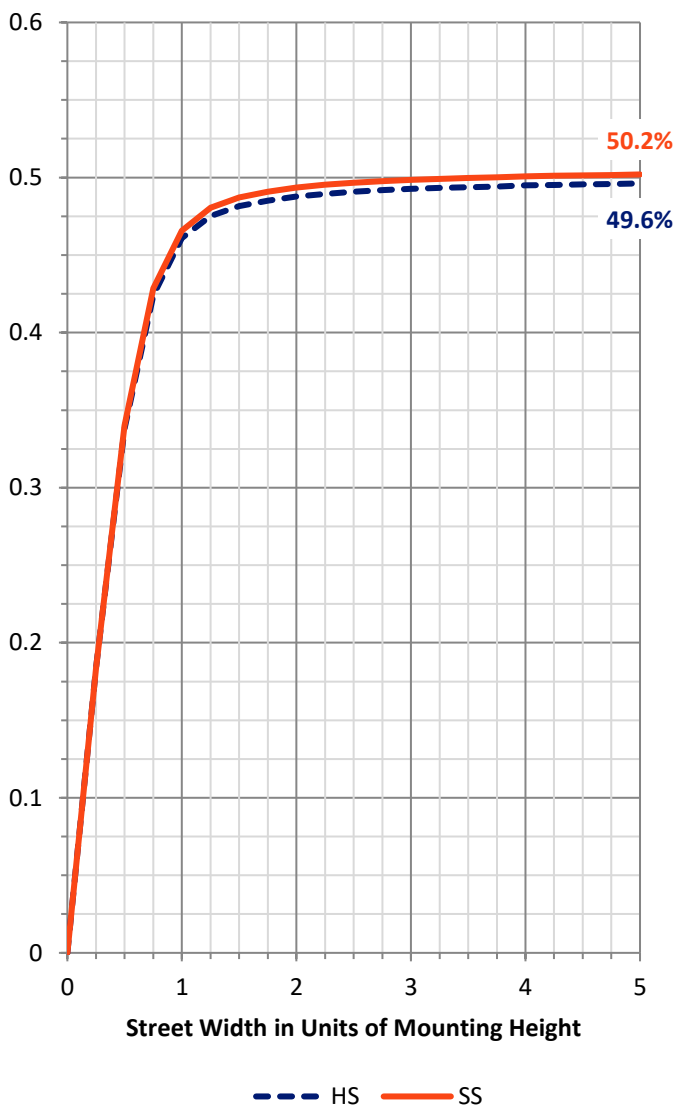
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	16636.2	0.0	16636.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	16636.2	0.0	16636.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	33272.5	0.0	33272.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	587.3	1.8
10°-20°	1878.9	5.6
20°-30°	3144.8	9.5
30°-40°	4260.4	12.8
40°-50°	5396.5	16.2
50°-60°	6741.6	20.3
60°-70°	7924.4	23.8
70°-80°	3031.5	9.1
80°-90°	307.1	0.9
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°	33272.5	100.0
0°-180°	33272.5	100.0

Coefficient of Utilization

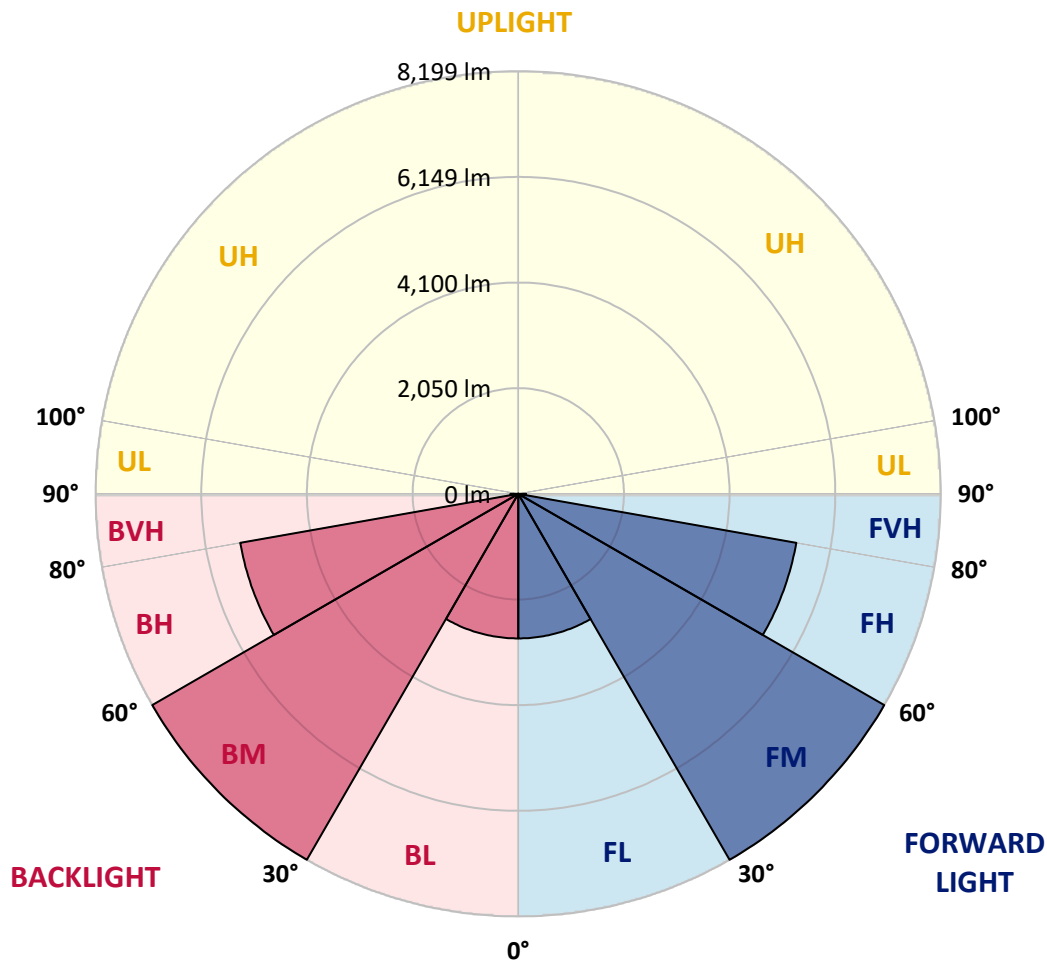


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2805.5	8.4			
FM (30°-60°)	8199.2	24.6			
FH (60°-80°)	5477.9	16.5			G3/7500
FVH (80°-90°)	153.6	0.5			G2/225
BL (0°-30°)	2805.5	8.4	B4/5000		
BM (30°-60°)	8199.2	24.6	B4/8500		
BH (60°-80°)	5477.9	16.5	B5		G5
BVH (80°-90°)	153.6	0.5			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G5
 Type I Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	5890.3	5890.3	5890.3	5890.3	5890.3	5890.3	5890.3	5890.3	5890.3	5890.3	5890.3
2.5°	5965.8	5962.1	5964.0	5962.1	5967.7	5964.0	5941.8	5923.4	5908.7	5910.5	5905.0
5°	6093.0	6094.8	6096.6	6087.4	6100.3	6093.0	6057.9	6028.5	5998.9	5987.9	5984.2
7.5°	6197.9	6207.2	6212.7	6221.9	6244.0	6244.0	6225.6	6183.2	6118.7	6081.9	6080.0
10°	6303.0	6310.4	6326.9	6356.4	6393.3	6428.3	6420.9	6363.8	6280.8	6218.2	6203.5
12.5°	6339.8	6349.0	6404.3	6489.1	6572.0	6640.1	6640.1	6594.1	6487.2	6391.4	6363.8
15°	6210.9	6227.4	6326.9	6507.5	6724.9	6874.2	6907.3	6842.8	6728.6	6581.2	6548.0
17.5°	5954.8	5995.3	6140.8	6408.0	6769.1	7078.6	7174.4	7143.1	6995.7	6807.8	6769.1
20°	5680.2	5724.4	5879.2	6233.0	6732.3	7198.4	7476.6	7484.0	7301.6	7028.9	6971.8
22.5°	5378.0	5411.2	5610.2	6024.8	6621.7	7226.0	7736.4	7863.5	7616.6	7250.0	7168.9
25°	5039.0	5075.9	5284.1	5731.8	6413.6	7194.7	7974.0	8254.1	7946.4	7485.8	7382.6
27.5°	4714.8	4729.5	4952.5	5407.5	6139.0	7113.7	8149.1	8613.4	8311.3	7681.1	7550.3
30°	4403.4	4438.5	4635.6	5085.1	5823.9	6955.2	8300.2	9022.4	8703.7	7885.6	7717.9
32.5°	4073.6	4116.0	4329.7	4784.8	5508.9	6717.5	8392.3	9470.1	9250.8	8217.2	8038.5
35°	3756.7	3784.3	4000.0	4442.1	5201.2	6441.1	8408.9	9974.9	9956.5	8720.2	8482.6
37.5°	3432.5	3473.0	3690.4	4114.2	4875.1	6148.2	8326.0	10511.1	10807.7	9418.5	9162.4
40°	3121.1	3156.1	3369.8	3797.3	4504.7	5790.8	8128.9	11001.2	11800.8	10137.1	9774.1
42.5°	2782.1	2791.3	3025.2	3460.1	4141.8	5376.3	7845.1	11437.9	12908.1	11100.7	10649.2
45°	2397.0	2421.0	2638.4	3065.8	3725.4	4911.9	7460.0	11799.0	14312.1	12436.5	11821.1
47.5°	2011.9	2032.2	2231.2	2653.1	3270.3	4379.5	6866.8	12115.9	15752.9	14133.3	13326.3
50°	1636.1	1647.1	1809.2	2183.3	2758.1	3819.4	6131.6	12217.2	17381.5	16535.8	15505.9
52.5°	1293.4	1309.9	1433.4	1726.3	2210.9	3158.0	5337.6	11966.6	19283.0	19384.3	17932.4
55°	1048.3	1053.9	1146.0	1361.6	1728.2	2465.1	4379.5	11268.3	21328.0	23034.1	21182.5
57.5°	902.8	906.5	958.1	1077.8	1330.2	1859.0	3397.5	9947.3	23164.9	27310.4	24930.0
60°	819.9	821.7	851.2	921.2	1053.9	1426.1	2433.9	8082.8	24977.9	32069.4	29587.6
62.5°	768.3	768.3	788.5	827.3	891.7	1094.4	1763.2	5831.3	26219.7	36898.5	35328.7
65°	718.6	718.6	733.3	760.9	795.9	895.4	1302.6	3802.7	26188.4	40415.7	41102.9
67.5°	661.4	661.4	672.5	700.1	720.4	770.1	1006.0	2491.0	23524.2	40338.3	44253.4
70°	593.2	593.2	608.0	631.9	648.6	679.9	794.1	1704.3	17282.0	34442.5	39356.3
72.5°	525.1	527.0	536.1	560.1	573.0	591.4	659.6	1193.9	10601.4	23452.4	27518.6
75°	449.5	453.2	462.5	486.4	497.5	504.9	556.4	851.2	5363.3	12644.6	14396.8
77.5°	363.0	370.3	375.8	401.7	409.1	420.1	458.8	615.4	2354.6	4543.4	4584.0
80°	265.3	274.5	291.1	315.0	320.6	328.0	350.0	436.6	1066.8	2074.6	2253.3
82.5°	195.3	208.2	188.0	219.2	219.2	210.0	246.9	292.9	490.1	2054.3	2457.8
85°	106.9	108.7	97.6	112.4	119.8	117.9	130.8	143.7	237.7	1370.7	1413.1
87.5°	25.8	27.7	29.5	35.0	42.4	42.4	46.1	40.5	77.4	444.0	254.2
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)