

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: P456398

Luminaire Tested: **GALN-SA7C-830-U-5WQ**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P456398
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-SA7C-830-U-5WQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 80 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 40726 lumens
Efficiency: N/A
Efficacy: 108.0 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): 377
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



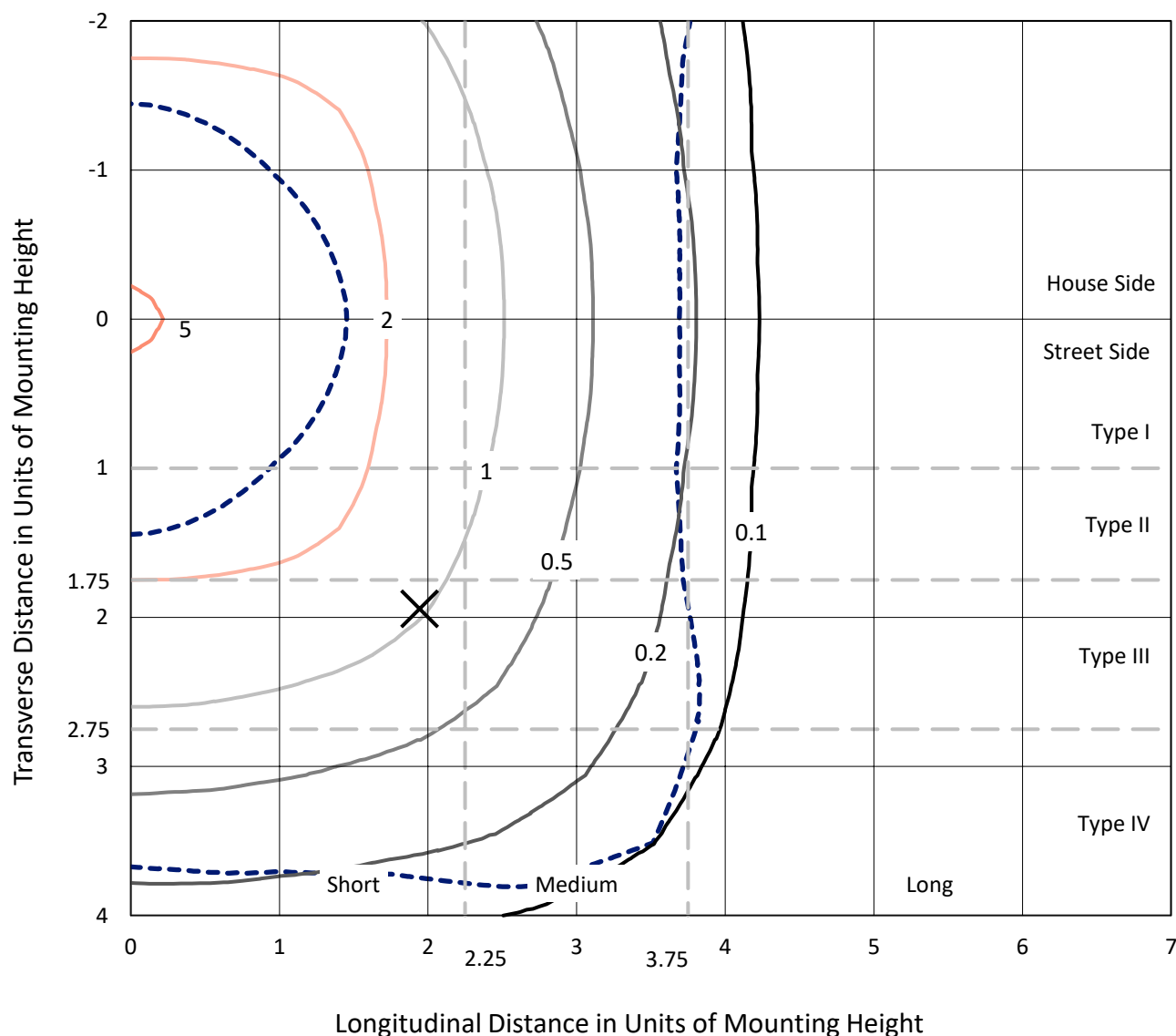
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

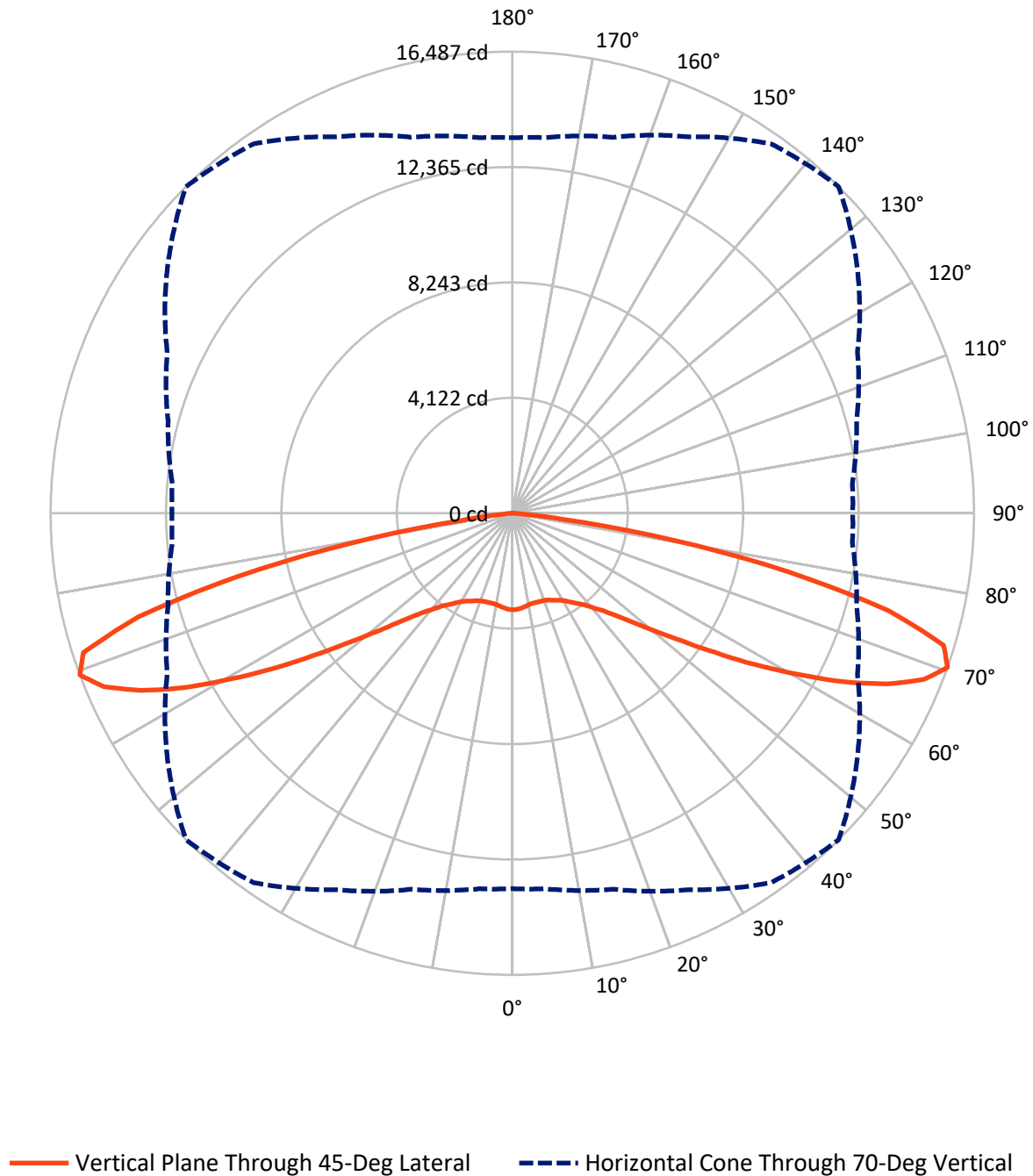


Based on 25 foot mounting height. Maximum calculated value = 5.5 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	20363.0	0.0	20363.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	20363.0	0.0	20363.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	40726.0	0.0	40726.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	322.4	0.8
10°-20°	944.0	2.3
20°-30°	1608.3	3.9
30°-40°	2492.9	6.1
40°-50°	4195.9	10.3
50°-60°	7634.2	18.7
60°-70°	12924.6	31.7
70°-80°	10004.1	24.6
80°-90°	599.5	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°	40726.0	100.0
0°-180°	40726.0	100.0

Coefficient of Utilization



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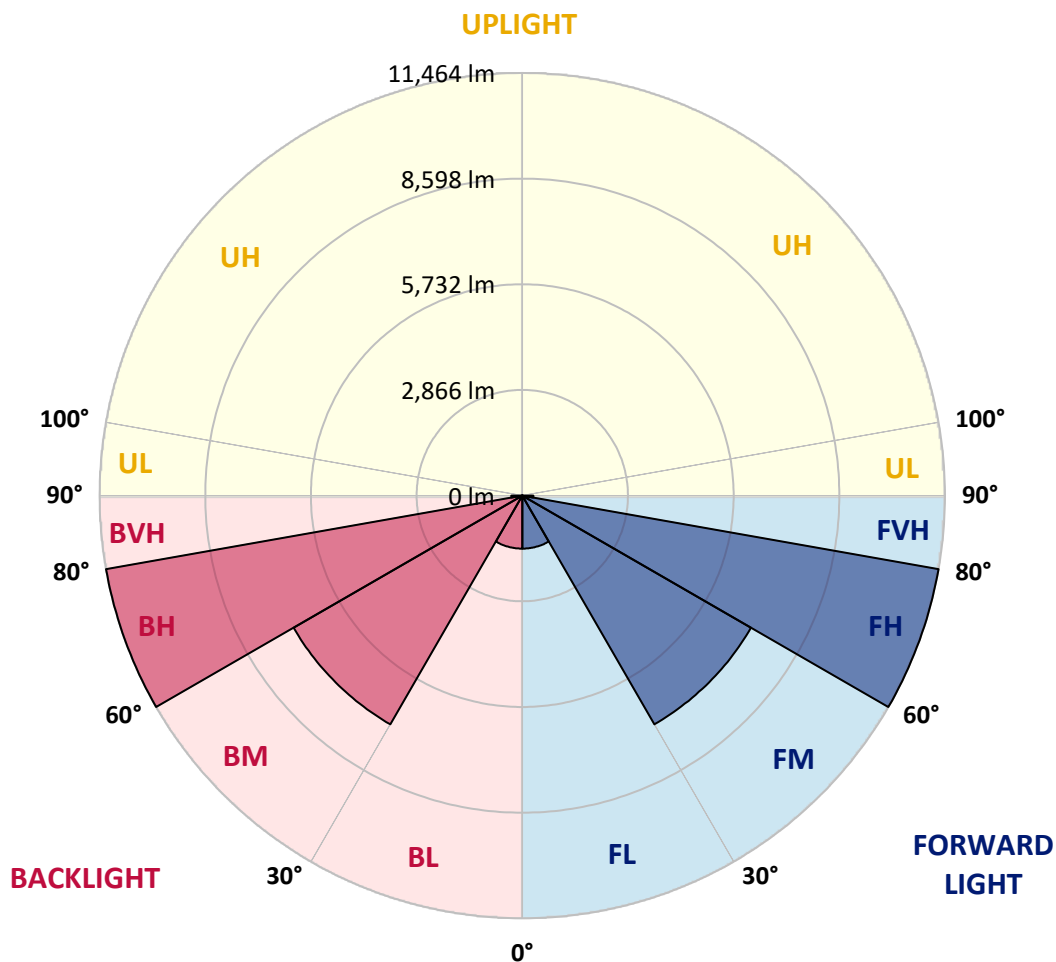
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1437.4	3.5			
FM	(30°-60°)	7161.5	17.6			
FH	(60°-80°)	11464.4	28.1			G4/12000
FVH	(80°-90°)	299.7	0.7			G3/500
BL	(0°-30°)	1437.4	3.5	B3/2500		
BM	(30°-60°)	7161.5	17.6	B4/8500		
BH	(60°-80°)	11464.4	28.1	B5		G4/12000
BVH	(80°-90°)	299.7	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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3448.0	3448.0	3448.0	3448.0	3448.0	3448.0	3448.0	3448.0	3448.0	3448.0	3448.0
2.5°	3439.4	3441.5	3441.5	3437.2	3435.0	3435.0	3432.9	3432.9	3439.4	3441.5	3443.7
5°	3409.2	3409.2	3409.2	3407.1	3402.8	3402.8	3398.5	3398.5	3400.6	3407.1	3402.8
7.5°	3368.4	3372.7	3372.7	3364.1	3357.6	3357.6	3355.5	3357.6	3359.8	3366.2	3364.1
10°	3355.5	3357.6	3346.9	3331.8	3321.0	3314.6	3316.7	3321.0	3331.8	3336.1	3338.3
12.5°	3364.1	3364.1	3344.7	3323.2	3303.8	3295.2	3293.1	3308.1	3327.5	3340.4	3344.7
15°	3374.8	3370.5	3346.9	3318.9	3299.5	3297.4	3295.2	3306.0	3334.0	3359.8	3361.9
17.5°	3381.3	3379.1	3349.0	3314.6	3303.8	3303.8	3301.7	3310.3	3340.4	3372.7	3374.8
20°	3402.8	3396.3	3361.9	3325.4	3316.7	3321.0	3314.6	3325.4	3357.6	3396.3	3404.9
22.5°	3445.8	3439.4	3404.9	3368.4	3364.1	3364.1	3361.9	3372.7	3407.1	3448.0	3454.4
25°	3497.4	3491.0	3458.7	3432.9	3437.2	3445.8	3441.5	3443.7	3471.6	3506.0	3516.8
27.5°	3566.3	3555.5	3527.5	3506.0	3518.9	3518.9	3518.9	3516.8	3534.0	3566.3	3577.0
30°	3650.1	3645.8	3615.7	3613.6	3624.3	3613.6	3613.6	3615.7	3617.9	3648.0	3658.7
32.5°	3759.8	3751.2	3736.2	3731.9	3762.0	3770.6	3740.5	3712.5	3727.6	3757.7	3764.1
35°	3940.5	3927.6	3906.1	3882.4	3906.1	3947.0	3882.4	3860.9	3899.7	3940.5	3944.8
37.5°	4185.7	4179.3	4144.9	4101.8	4099.7	4142.7	4076.0	4073.9	4147.0	4196.5	4202.9
40°	4493.3	4499.8	4456.7	4415.9	4394.4	4428.8	4377.2	4396.5	4467.5	4523.4	4519.1
42.5°	4925.6	4902.0	4835.3	4796.6	4772.9	4760.0	4747.1	4777.2	4856.8	4917.0	4964.4
45°	5431.1	5422.5	5338.6	5291.3	5239.7	5220.3	5216.0	5269.8	5366.6	5439.7	5446.2
47.5°	6003.3	5983.9	5930.1	5880.7	5861.3	5837.6	5816.1	5857.0	5953.8	6005.4	6020.5
50°	6592.6	6596.9	6596.9	6588.3	6607.7	6612.0	6553.9	6569.0	6622.7	6618.4	6614.1
52.5°	7265.9	7289.5	7401.4	7412.1	7504.6	7567.0	7461.6	7399.2	7379.9	7263.7	7272.3
55°	8057.4	8078.9	8246.7	8414.5	8664.0	8769.4	8547.8	8354.2	8216.6	8040.2	8048.8
57.5°	9044.7	9055.5	9214.6	9537.3	9933.0	10180.4	9791.1	9408.2	9128.6	8960.8	8894.1
60°	10107.3	10118.0	10350.3	10743.9	11359.1	11660.2	11178.4	10552.5	10199.8	9943.8	9961.0
62.5°	11382.8	11425.8	11634.4	12176.5	12922.8	13260.5	12621.7	11785.0	11307.5	10989.1	11002.1
65°	12748.6	12821.7	13049.7	13645.6	14333.9	14697.4	13914.4	12948.7	12355.0	11965.7	12006.5
67.5°	13634.8	13699.3	14028.4	14686.6	15544.8	15846.0	14835.0	13710.1	12968.0	12503.4	12417.4
70°	13409.0	13462.7	13901.5	14835.0	16106.2	16486.9	15054.4	13598.2	12725.0	12189.4	12155.0
72.5°	11836.6	11724.8	12365.7	13705.8	15465.2	16104.1	14364.0	12419.5	11320.4	10769.7	10705.2
75°	7844.5	8087.5	9033.9	10612.7	13084.2	13875.7	12260.4	9971.8	8588.7	8130.5	8059.6
77.5°	2622.0	2809.1	3650.1	6016.2	8919.9	10109.4	8932.8	6521.6	4613.8	3716.8	3734.0
80°	694.8	686.1	888.3	1654.1	3854.5	5854.9	4486.9	2209.0	1208.8	875.4	830.3
82.5°	249.5	279.6	359.2	458.1	1021.7	1819.7	1284.1	619.5	453.8	335.5	324.8
85°	109.7	107.5	154.9	182.8	256.0	339.8	301.1	262.4	230.2	152.7	142.0
87.5°	23.7	23.7	36.6	28.0	45.2	45.2	55.9	66.7	68.8	45.2	36.6
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)