

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: P455120

Luminaire Tested: **GALN-SA6B-740-U-5MQ**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P455120
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-2)
Test Lab: INNOVATION CENTER
Issue Date: 1/4/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA6B-740-U-5MQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 4000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 35389 lumens
Efficiency: N/A
Efficacy: 145.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

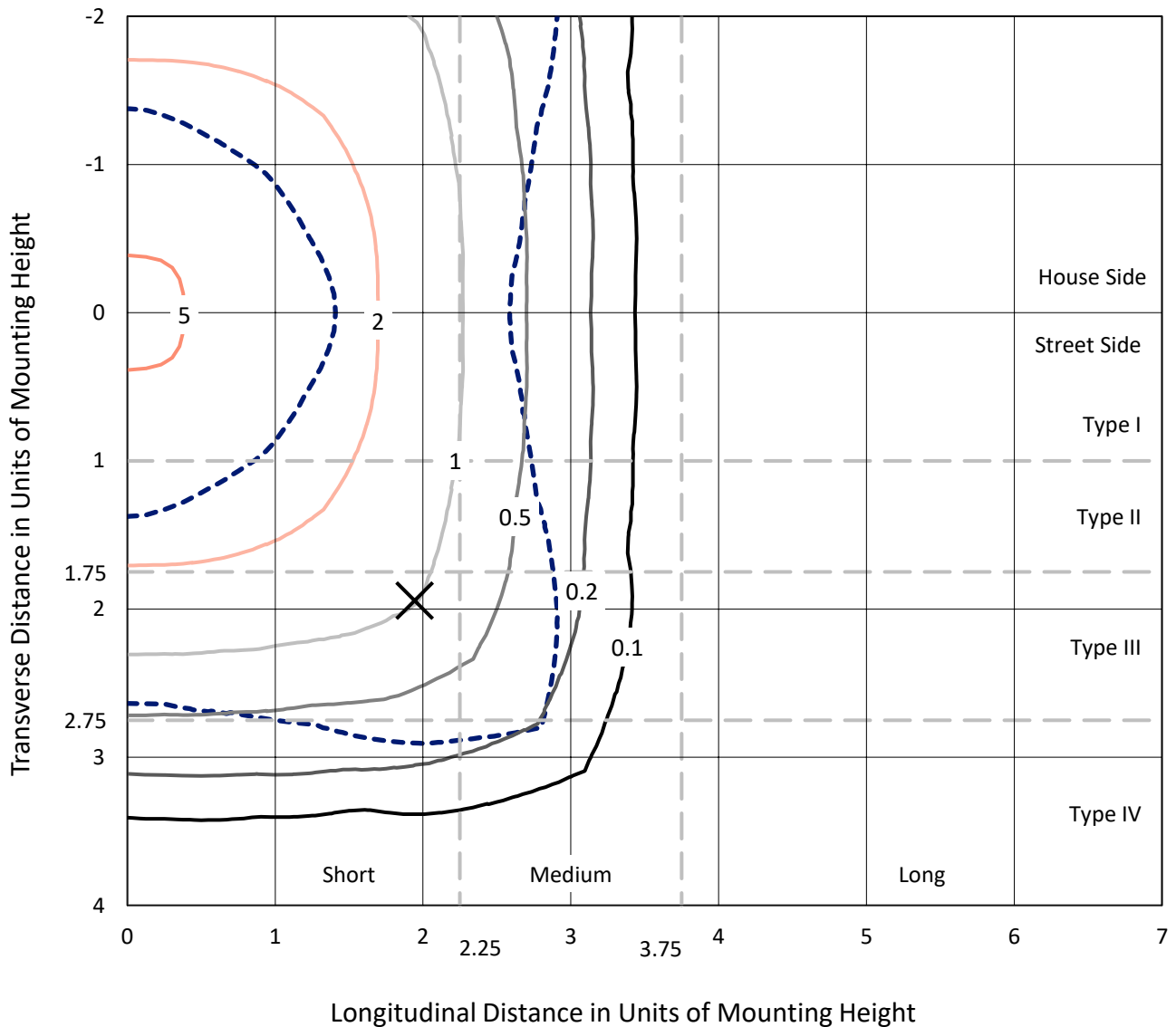
Input Watts (W): 243
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P455120
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Iso-Footcandle Lines of Horizontal Illumination

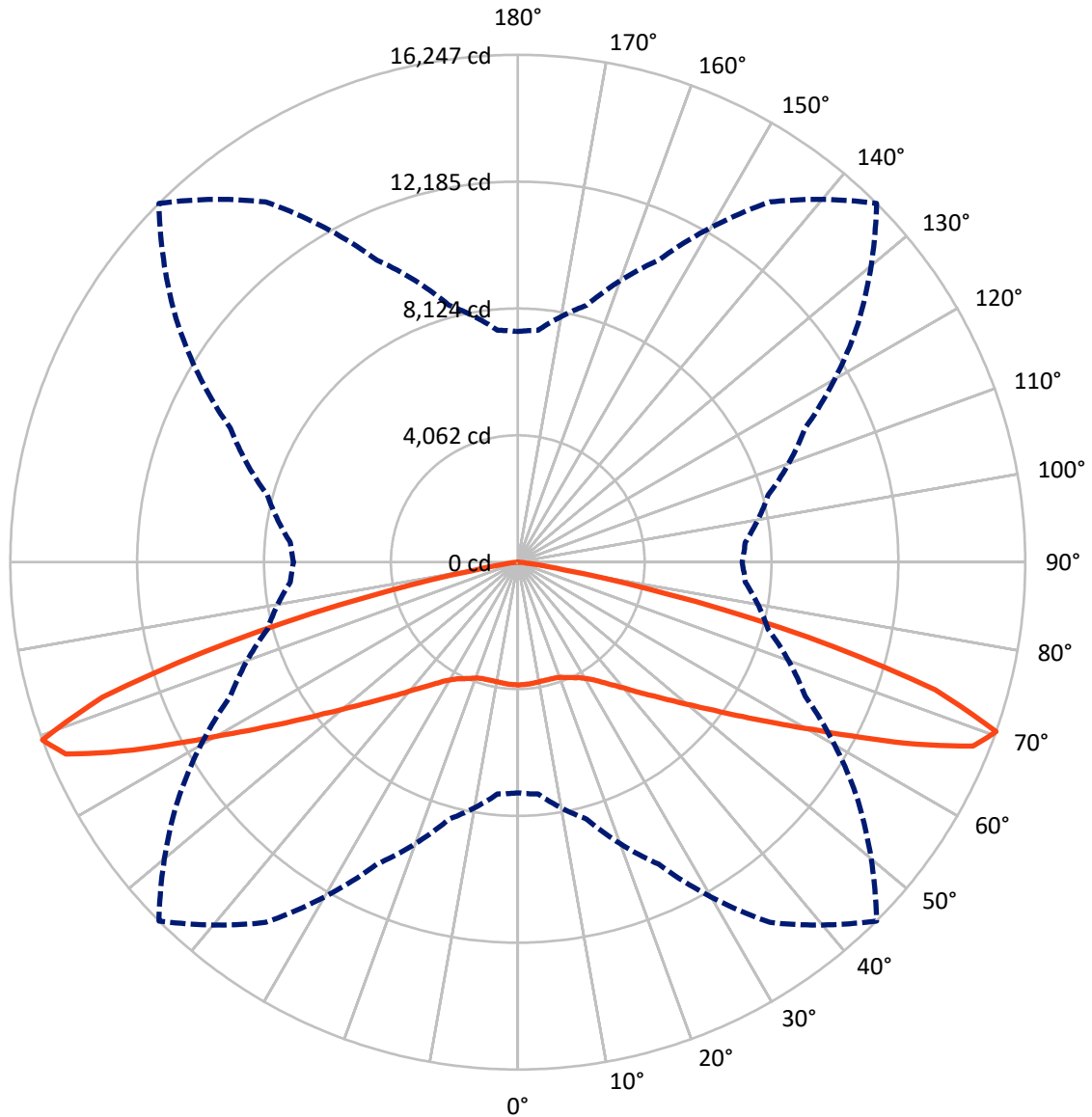
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.3 fc
 Type V - Short - N/A

REPORT NUMBER: P455120
CATALOG NUMBER: GALN-SA6B-740-U-5MQ

Luminous Intensity Polar Plot



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

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	17694.5	0.0	17694.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	17694.5	0.0	17694.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	35389.0	0.0	35389.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	372.7	1.1
10°-20°	1093.5	3.1
20°-30°	1870.3	5.3
30°-40°	2968.5	8.4
40°-50°	4789.0	13.5
50°-60°	7791.8	22.0
60°-70°	11295.3	31.9
70°-80°	5010.2	14.2
80°-90°	197.6	0.6
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°	35389.0	100.0
0°-180°	35389.0	100.0

Coefficient of Utilization



REPORT NUMBER: P455120

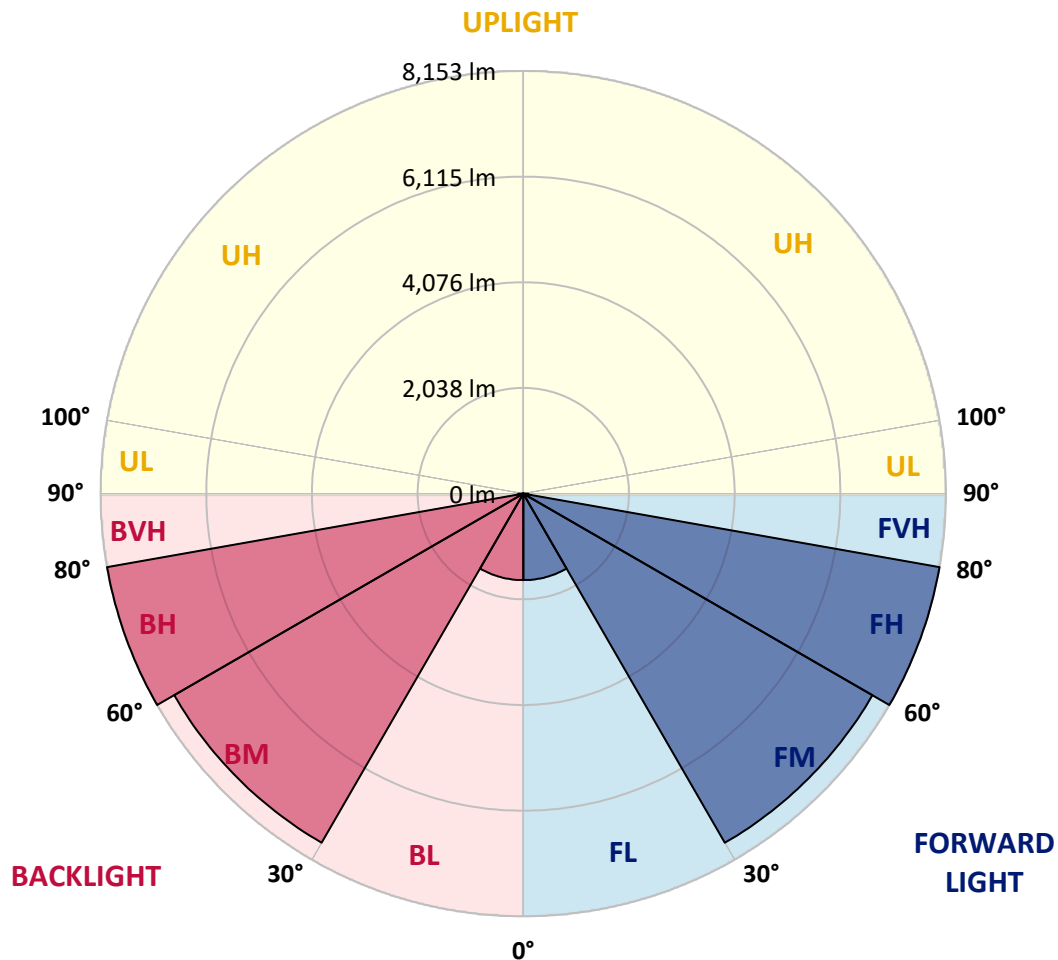
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1668.2	4.7			
FM (30°-60°)	7774.7	22.0			
FH (60°-80°)	8152.8	23.0			G4/12000
FVH (80°-90°)	98.8	0.3			G1/100
BL (0°-30°)	1668.2	4.7	B3/2500		
BM (30°-60°)	7774.7	22.0	B4/8500		
BH (60°-80°)	8152.8	23.0	B5		G4/12000
BVH (80°-90°)	98.8	0.3			G1/100
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°	3929.8	3929.8	3929.8	3929.8	3929.8	3929.8	3929.8	3929.8	3929.8	3929.8	3929.8
2.5°	3929.8	3933.5	3927.9	3924.2	3922.3	3922.3	3920.5	3922.3	3933.5	3935.4	3929.8
5°	3918.6	3922.3	3920.5	3916.7	3914.9	3914.9	3913.0	3911.1	3920.5	3924.2	3922.3
7.5°	3903.7	3905.5	3903.7	3901.8	3903.7	3901.8	3896.2	3892.5	3899.9	3899.9	3898.1
10°	3877.6	3881.3	3879.4	3881.3	3885.0	3885.0	3877.6	3870.1	3872.0	3868.2	3868.2
12.5°	3845.9	3851.4	3853.3	3860.8	3870.1	3881.3	3864.5	3847.7	3844.0	3842.1	3840.3
15°	3825.3	3830.9	3838.4	3845.9	3862.6	3886.9	3862.6	3836.5	3829.1	3821.6	3817.9
17.5°	3819.7	3827.2	3838.4	3849.6	3872.0	3896.2	3875.7	3849.6	3830.9	3819.7	3816.0
20°	3834.7	3840.3	3857.0	3877.6	3909.3	3933.5	3913.0	3885.0	3857.0	3840.3	3834.7
22.5°	3864.5	3873.8	3894.3	3931.6	3976.4	4011.8	3983.9	3937.2	3892.5	3870.1	3862.6
25°	3929.8	3937.2	3961.5	4011.8	4064.1	4097.6	4067.8	4013.7	3952.2	3922.3	3913.0
27.5°	4028.6	4039.8	4065.9	4125.6	4168.5	4187.2	4166.7	4129.3	4084.6	4052.9	4045.4
30°	4168.5	4181.6	4220.7	4284.2	4312.1	4323.3	4314.0	4289.7	4258.0	4224.5	4217.0
32.5°	4356.9	4364.4	4409.1	4468.8	4494.9	4498.6	4487.4	4476.3	4424.0	4368.1	4364.4
35°	4567.6	4580.7	4634.8	4705.7	4729.9	4731.8	4709.4	4692.6	4631.1	4586.3	4586.3
37.5°	4847.4	4853.0	4905.2	4985.4	5011.5	5004.1	4992.9	4978.0	4912.7	4854.9	4856.7
40°	5175.7	5186.9	5231.6	5324.9	5324.9	5315.6	5323.0	5311.8	5246.5	5190.6	5192.5
42.5°	5565.5	5571.1	5625.2	5724.0	5716.6	5697.9	5705.4	5690.4	5649.4	5586.0	5563.6
45°	5981.4	6003.8	6097.0	6192.2	6177.2	6117.6	6147.4	6143.7	6106.4	6011.2	6016.8
47.5°	6483.1	6520.4	6609.9	6723.7	6706.9	6613.7	6647.2	6669.6	6617.4	6513.0	6494.3
50°	7048.2	7072.5	7204.9	7311.2	7296.3	7197.5	7273.9	7277.6	7147.1	6999.7	6999.7
52.5°	7650.7	7674.9	7854.0	8020.0	8029.3	7885.7	7947.2	7943.5	7730.9	7536.9	7499.6
55°	8325.8	8337.0	8568.3	8812.6	8864.9	8725.0	8732.4	8657.8	8381.8	8156.1	8135.6
57.5°	9023.4	9064.4	9319.9	9637.0	9791.8	9706.0	9666.9	9467.3	9200.6	8941.3	8928.3
60°	9795.5	9797.4	10129.4	10504.3	10817.6	10875.4	10715.0	10448.3	10103.3	9760.1	9745.2
62.5°	10330.8	10411.0	10830.7	11464.8	12026.2	12350.7	11927.4	11367.8	10688.9	10135.0	10079.0
65°	10440.9	10495.0	11134.7	12209.0	13356.0	14055.5	13076.3	11886.3	10728.1	9989.5	9952.2
67.5°	9551.2	9609.0	10470.7	12119.5	14288.6	15722.9	13822.3	11636.4	10064.1	9150.2	9077.5
70°	7387.7	7453.0	8517.9	10668.4	14081.6	16247.0	13290.8	10149.9	8299.7	7313.1	7180.7
72.5°	3927.9	4168.5	5078.7	7322.4	11429.4	13988.3	10897.8	7406.3	5352.9	4375.5	4200.2
75°	1434.3	1464.1	1971.4	3247.2	6649.1	9592.2	6904.6	3532.5	2031.1	1568.6	1488.4
77.5°	593.1	591.2	649.1	981.0	2415.3	4912.7	2695.1	1037.0	647.2	598.7	591.2
80°	350.6	350.6	386.1	408.5	636.0	1482.8	710.6	462.5	387.9	354.4	360.0
82.5°	156.7	166.0	244.3	257.4	307.7	406.6	343.2	294.7	253.7	175.3	158.5
85°	85.8	74.6	128.7	134.3	147.3	151.1	162.3	160.4	147.3	85.8	87.7
87.5°	16.8	20.5	37.3	28.0	31.7	28.0	37.3	52.2	54.1	29.8	24.2
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)