

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: P647473

Luminaire Tested: **GALN-SA6D-835-U-5MQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P647473
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-3)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA6D-835-U-5MQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 80 CRI, 3500K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V
MEDIUM OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21556.8 lumens
Efficiency: N/A
Efficacy: 58.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

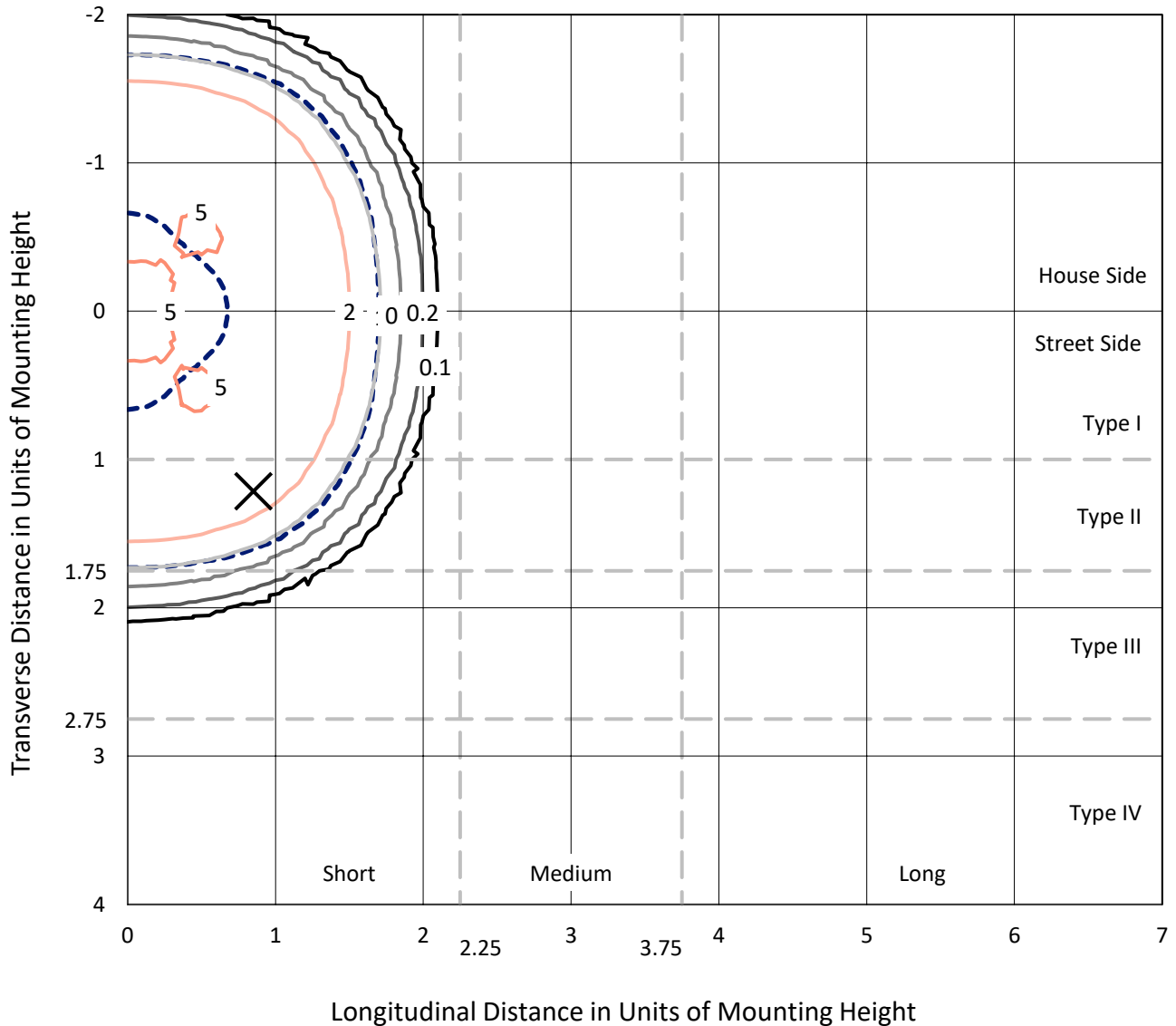
Input Watts (W): 368
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

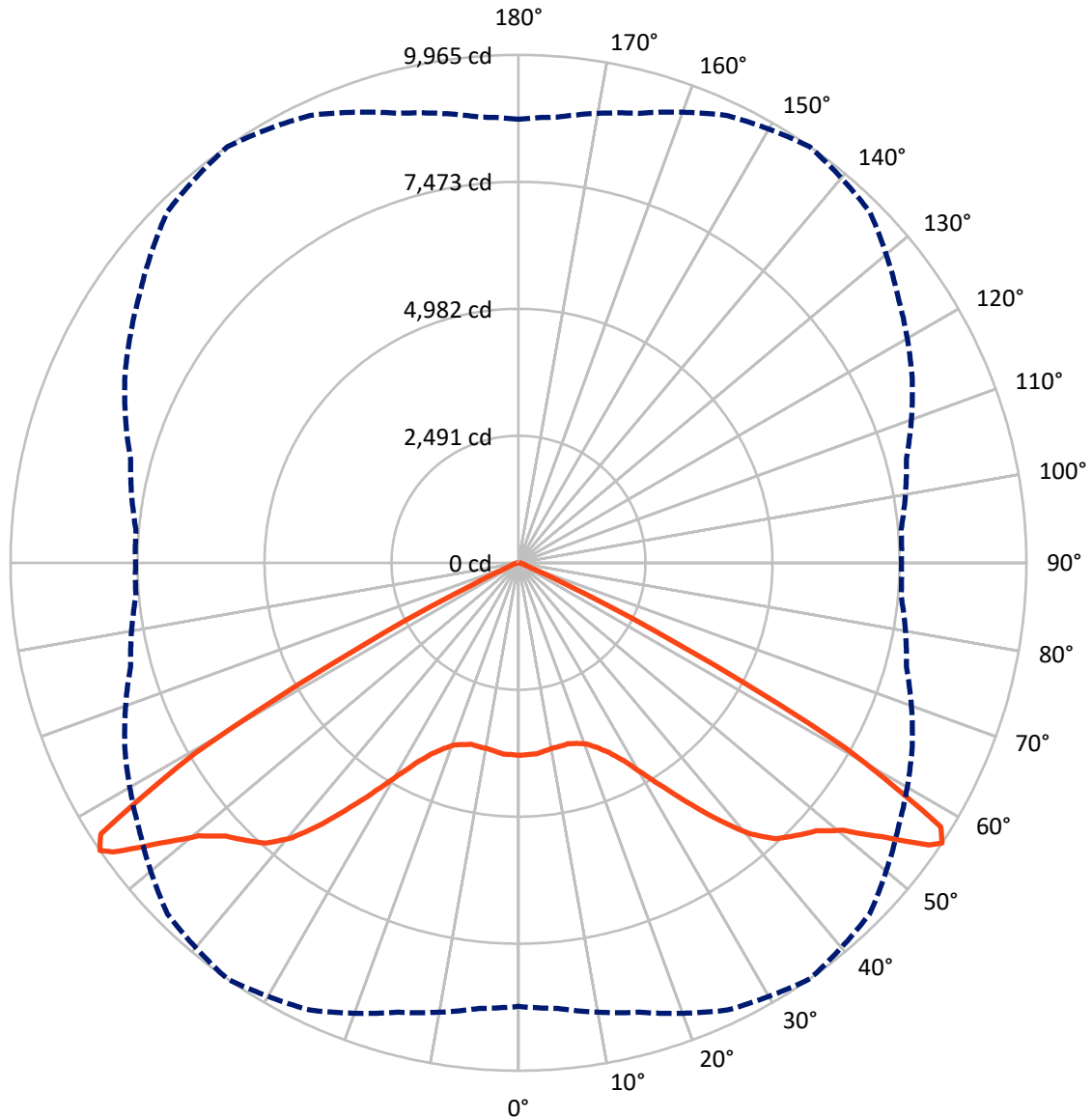
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 56-Deg Vertical

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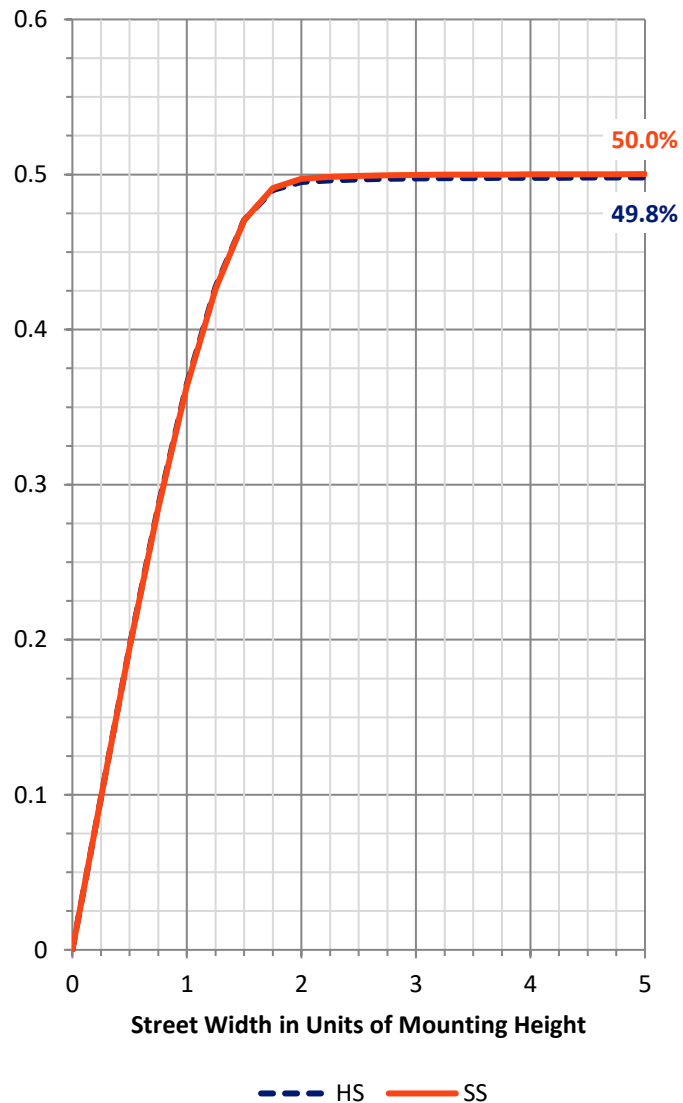
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10778.4	0.0	10778.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	10778.4	0.0	10778.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	21556.8	0.0	21556.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	355.0	1.6
10°-20°	1036.4	4.8
20°-30°	1876.8	8.7
30°-40°	3480.3	16.1
40°-50°	5712.7	26.5
50°-60°	7359.6	34.1
60°-70°	1622.0	7.5
70°-80°	94.1	0.4
80°-90°	19.8	0.1
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°	21556.8	100.0
0°-180°	21556.8	100.0

Coefficient of Utilization



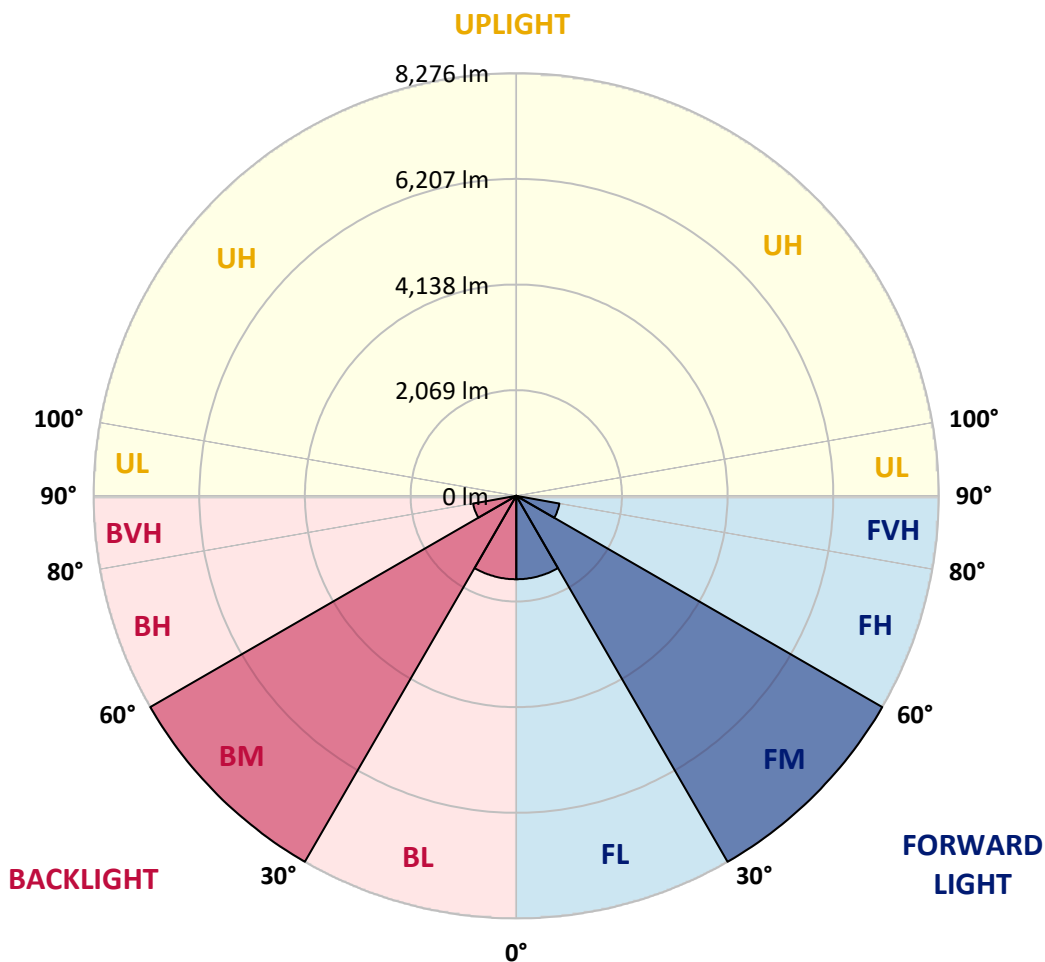
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1634.1	7.6			
FM (30°-60°)	8276.3	38.4			
FH (60°-80°)	858.0	4.0			G1/1800
FVH (80°-90°)	9.9	0.0			G0/10
BL (0°-30°)	1634.1	7.6	B3/2500		
BM (30°-60°)	8276.3	38.4	B4/8500		
BH (60°-80°)	858.0	4.0	B2/1000		G1/1800
BVH (80°-90°)	9.9	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3777.2	3777.2	3777.2	3777.2	3777.2	3777.2	3777.2	3777.2	3777.2	3777.2	3777.2
2.5°	3785.0	3785.0	3788.9	3792.9	3765.5	3753.8	3757.7	3749.9	3746.0	3757.7	3757.7
5°	3773.3	3773.3	3761.6	3765.5	3765.5	3730.4	3730.4	3738.1	3738.1	3714.7	3706.9
7.5°	3742.0	3734.2	3718.6	3738.1	3726.5	3726.5	3699.1	3679.6	3671.7	3687.4	3671.7
10°	3675.6	3679.6	3695.2	3703.0	3695.2	3718.6	3671.7	3644.4	3617.1	3605.3	3605.3
12.5°	3644.4	3667.8	3644.4	3664.0	3691.3	3671.7	3644.4	3624.9	3585.8	3570.2	3570.2
15°	3640.5	3656.1	3664.0	3691.3	3679.6	3687.4	3632.7	3609.2	3550.7	3523.3	3511.6
17.5°	3636.6	3656.1	3667.8	3718.6	3726.5	3730.4	3687.4	3617.1	3566.3	3538.9	3511.6
20°	3679.6	3687.4	3710.8	3761.6	3792.9	3847.5	3769.4	3695.2	3585.8	3554.6	3542.8
22.5°	3734.2	3773.3	3796.8	3851.4	3933.5	3980.3	3878.7	3785.0	3671.7	3632.7	3585.8
25°	3910.0	3902.2	3941.2	4054.5	4120.9	4156.1	4074.1	3937.4	3788.9	3742.0	3749.9
27.5°	4128.8	4136.6	4171.7	4296.7	4394.4	4449.1	4351.4	4171.7	4027.2	3949.1	3941.2
30°	4413.9	4406.1	4445.2	4613.1	4788.9	4870.9	4699.0	4488.2	4347.5	4246.0	4269.4
32.5°	4714.7	4718.6	4828.0	4980.3	5265.4	5425.6	5148.2	4890.5	4679.5	4609.2	4574.1
35°	5160.0	5179.5	5265.4	5499.8	5816.2	6023.2	5718.6	5410.0	5167.8	5038.9	5054.5
37.5°	5710.7	5691.2	5835.7	6089.6	6421.6	6574.0	6316.1	5964.7	5718.6	5632.6	5687.3
40°	6296.7	6316.1	6390.4	6620.9	6992.0	7093.5	6710.7	6519.3	6304.5	6261.5	6327.9
42.5°	6882.6	6870.8	6925.6	7132.6	7402.1	7331.8	7105.3	6992.0	6839.6	6753.7	6843.5
45°	7312.3	7292.7	7394.3	7534.9	7632.5	7499.7	7398.2	7359.1	7281.0	7187.2	7269.3
47.5°	7730.2	7714.6	7812.2	7851.3	7859.1	7683.3	7702.8	7773.2	7577.9	7382.5	7476.3
50°	8085.6	8058.3	8179.4	8265.3	8245.8	7964.6	8034.9	7964.6	7659.9	7429.4	7394.3
52.5°	8679.4	8691.1	8820.0	8976.2	8929.4	8695.0	8593.4	8273.2	7882.5	7675.5	7554.4
55°	9054.4	8995.8	9218.4	9714.5	9769.2	9527.0	9077.8	8605.2	8019.3	7765.3	7734.1
56°	8702.8	8777.0	9128.6	9683.3	9964.5	9741.9	9089.5	8523.1	7878.6	7534.9	7511.5
57.5°	7808.3	7769.2	8245.8	9003.6	9769.2	9675.5	8769.2	7937.2	7187.2	6800.5	6753.7
60°	4859.2	4972.4	5390.4	6327.9	7351.3	7398.2	6499.8	5785.0	4910.0	4566.2	4648.3
62.5°	1902.3	1804.7	2066.3	2765.6	3468.6	3624.9	3285.1	2730.4	2242.1	1902.3	1878.8
65°	441.4	429.7	484.4	668.0	933.6	1082.0	1027.3	738.3	542.9	515.6	476.5
67.5°	250.0	250.0	238.3	238.3	261.7	277.3	265.6	261.7	273.4	285.2	281.3
70°	175.8	171.9	164.0	168.0	160.1	160.1	171.9	191.4	207.0	207.0	210.9
72.5°	105.5	105.5	105.5	117.2	117.2	117.2	128.9	144.5	148.5	144.5	140.6
75°	46.9	46.9	54.7	66.4	74.2	78.1	89.8	97.6	105.5	97.6	89.8
77.5°	11.7	11.7	19.5	27.3	35.2	43.0	58.6	70.3	74.2	70.3	58.6
80°	3.9	3.9	7.8	19.5	35.2	43.0	58.6	62.5	66.4	58.6	46.9
82.5°	3.9	3.9	7.8	19.5	27.3	35.2	46.9	54.7	58.6	50.8	46.9
85°	0.0	3.9	7.8	15.7	23.4	31.2	31.2	23.4	19.5	11.7	15.7
87.5°	0.0	0.0	3.9	3.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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)