

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: P651446

Luminaire Tested: **GALN-SA6D-840-U-RW-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P651446
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-7)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA6D-840-U-RW-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 80 CRI, 4000K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR
WIDE OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 24931.5 lumens
Efficiency: N/A
Efficacy: 67.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

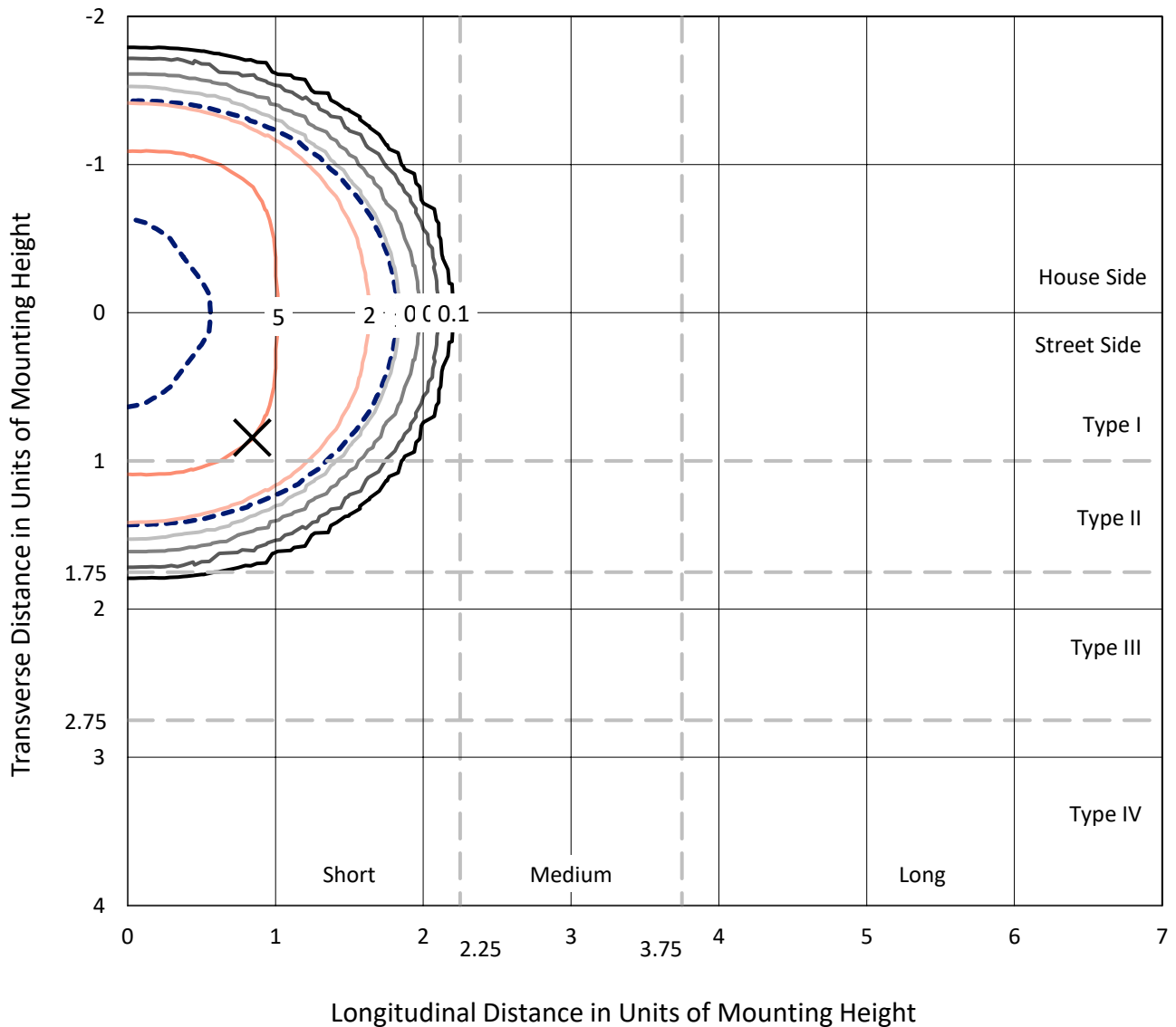
Input Watts (W): 368
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

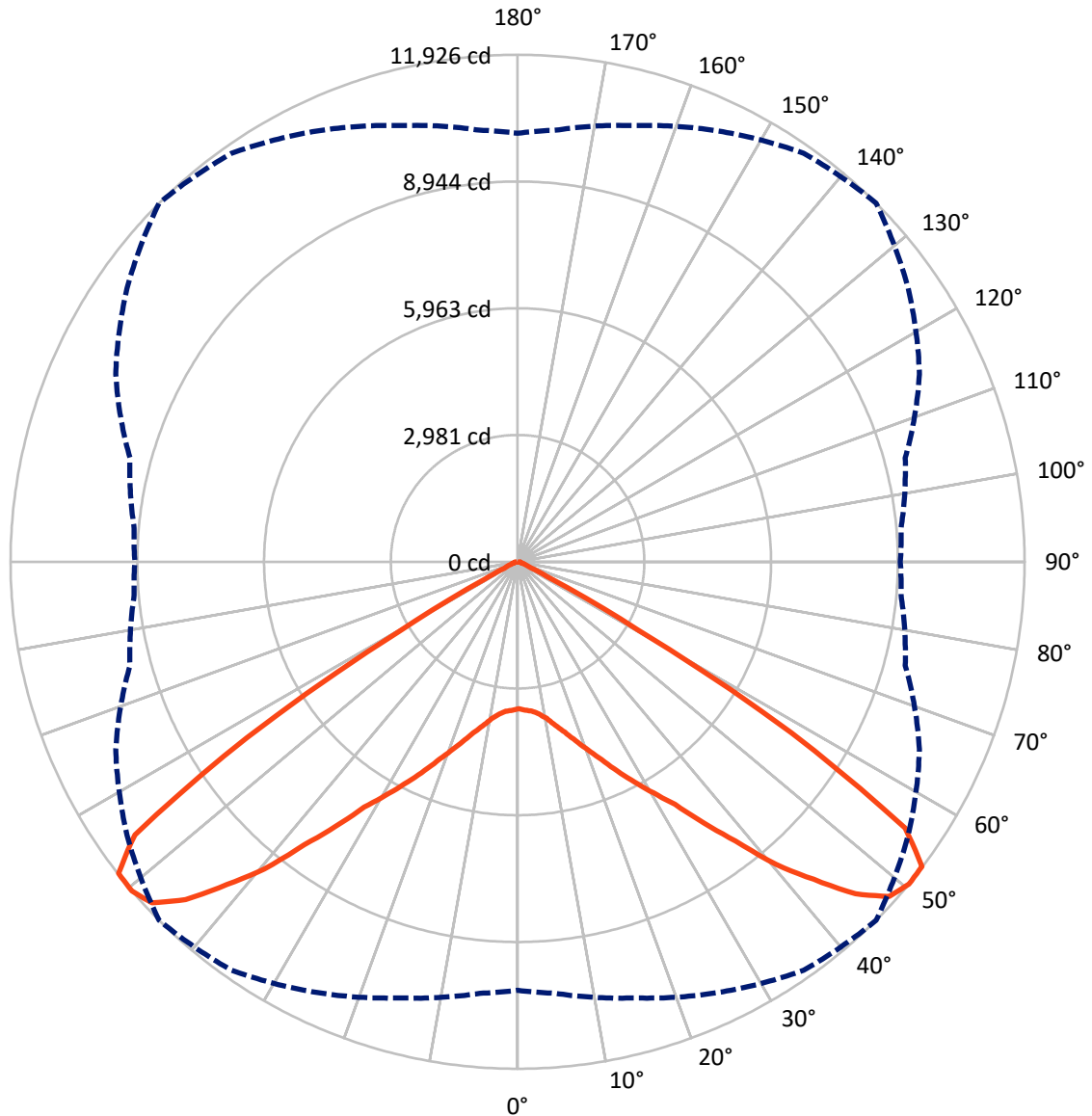
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.7 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 50-Deg Vertical

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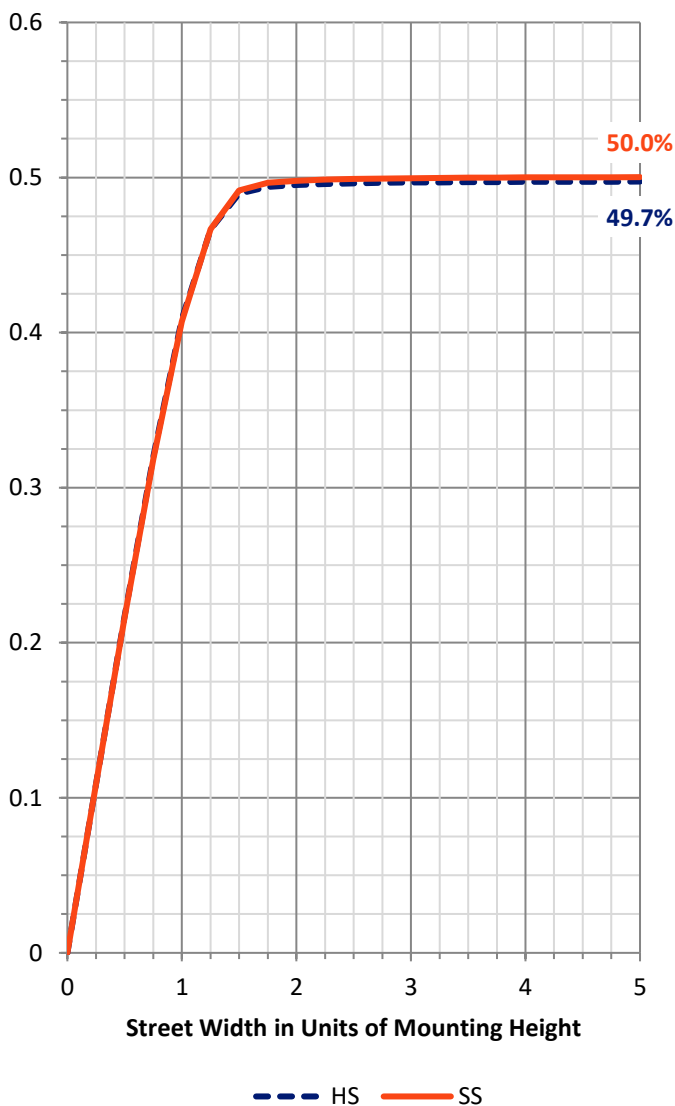
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	12465.7	0.0	12465.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	12465.7	0.0	12465.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	24931.5	0.0	24931.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	343.9	1.4
10°-20°	1185.2	4.8
20°-30°	2420.6	9.7
30°-40°	4616.0	18.5
40°-50°	7778.7	31.2
50°-60°	7418.3	29.8
60°-70°	1035.6	4.2
70°-80°	99.0	0.4
80°-90°	34.2	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°	24931.5	100.0
0°-180°	24931.5	100.0

Coefficient of Utilization



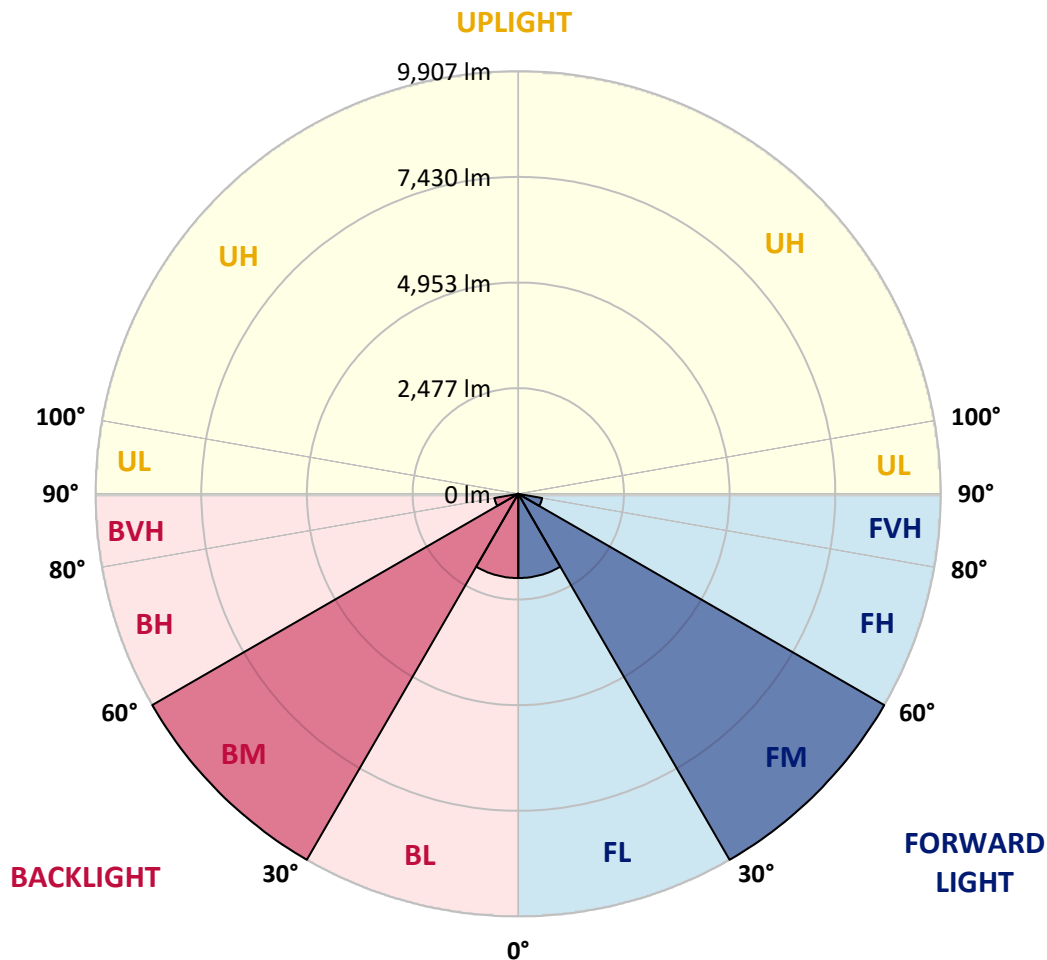
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1974.8	7.9			
FM (30°-60°)	9906.5	39.7			
FH (60°-80°)	567.3	2.3			G0/660
FVH (80°-90°)	17.1	0.1			G1/100
BL (0°-30°)	1974.8	7.9	B3/2500		
BM (30°-60°)	9906.5	39.7	B5		
BH (60°-80°)	567.3	2.3	B2/1000		G0/660
BVH (80°-90°)	17.1	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3456.5	3456.5	3456.5	3456.5	3456.5	3456.5	3456.5	3456.5	3456.5	3456.5	3456.5
2.5°	3443.9	3443.9	3439.7	3473.2	3456.5	3494.2	3490.1	3502.6	3515.2	3511.0	3544.6
5°	3414.5	3410.3	3410.3	3448.1	3485.9	3527.7	3565.5	3590.7	3632.6	3632.6	3674.6
7.5°	3443.9	3423.0	3452.3	3469.0	3540.4	3611.7	3674.6	3725.0	3821.4	3855.0	3842.4
10°	3452.3	3477.5	3498.4	3548.8	3636.8	3745.9	3800.5	3926.3	4035.4	4110.9	4127.6
12.5°	3506.8	3544.6	3603.3	3725.0	3804.6	3947.2	4022.8	4144.4	4295.4	4379.3	4438.0
15°	3611.7	3624.3	3699.7	3855.0	4027.0	4157.0	4274.5	4362.5	4509.4	4605.8	4610.0
17.5°	3745.9	3800.5	3905.3	4052.1	4232.5	4425.4	4517.8	4614.2	4668.7	4798.8	4828.2
20°	4014.3	4022.8	4123.4	4316.4	4542.9	4719.1	4786.2	4836.5	4815.6	4949.8	4974.9
22.5°	4266.1	4274.5	4400.3	4660.4	4903.6	5054.7	5084.0	5054.7	4991.8	5088.2	5096.6
25°	4522.0	4597.4	4689.8	4949.8	5251.8	5453.1	5457.3	5377.7	5247.6	5264.4	5306.4
27.5°	4920.4	4974.9	5071.5	5310.6	5641.9	5868.4	5830.7	5734.2	5566.4	5579.0	5566.4
30°	5386.0	5436.4	5516.1	5822.3	6065.6	6313.1	6367.6	6275.4	6023.7	5969.1	6032.1
32.5°	5948.1	6019.5	6166.3	6447.4	6652.9	6803.9	6841.6	6808.1	6573.2	6552.2	6594.1
35°	6631.9	6728.3	6862.6	7110.1	7277.8	7550.6	7550.6	7437.3	7223.3	7248.5	7244.3
37.5°	7353.4	7496.0	7705.7	7957.5	8183.9	8330.8	8284.6	8188.1	7974.2	7919.7	7974.2
40°	8259.5	8330.8	8595.0	8922.3	9199.1	9366.9	9169.7	8960.0	8448.2	8527.9	8674.7
42.5°	9085.8	9199.1	9400.4	9761.2	10075.8	10214.2	9979.3	9564.0	8947.4	8884.5	8993.6
45°	9790.5	9912.2	10176.4	10692.4	11023.8	11145.4	10625.3	9954.2	9249.4	9090.0	9136.1
47.5°	10260.4	10323.3	10692.4	11183.2	11485.2	11762.1	11015.4	10222.6	9392.0	9090.0	9073.2
50°	10080.0	10189.1	10621.1	11179.0	11728.5	11925.6	11212.5	10428.1	9438.2	9052.3	9001.9
52.5°	8951.6	9140.3	9622.7	10373.6	11204.1	11908.9	11485.2	10361.0	9421.4	9090.0	9165.6
55°	6229.2	6233.4	6820.7	7928.1	9396.2	11057.4	11086.7	10436.6	9530.5	9324.9	9329.1
57.5°	2504.2	2630.1	3079.0	4190.5	5545.5	7592.5	9027.1	9681.5	9543.1	9492.7	9622.7
60°	633.4	637.6	776.0	1183.0	1950.5	3255.1	4727.5	6397.0	7366.0	7697.3	7743.5
62.5°	323.0	327.1	360.8	419.5	532.8	872.5	1552.1	2462.3	3502.6	4031.2	4169.6
65°	264.2	264.2	285.3	314.6	318.8	335.6	402.7	574.7	834.8	948.0	960.6
67.5°	201.3	201.3	218.2	234.9	243.3	239.1	230.7	239.1	289.5	276.9	268.4
70°	125.8	130.0	138.4	155.2	163.6	167.8	172.0	180.4	205.5	214.0	205.5
72.5°	75.5	75.5	79.7	92.3	104.9	113.3	125.8	134.2	146.8	167.8	163.6
75°	33.6	33.6	42.0	54.5	67.1	79.7	92.3	104.9	113.3	125.8	130.0
77.5°	8.4	12.6	20.9	37.8	50.4	67.1	83.9	96.5	104.9	104.9	100.7
80°	4.2	4.2	16.8	29.4	54.5	71.3	92.3	100.7	113.3	104.9	92.3
82.5°	4.2	4.2	16.8	29.4	50.4	71.3	96.5	109.1	117.5	104.9	88.1
85°	0.0	4.2	12.6	25.1	42.0	50.4	42.0	29.4	16.8	16.8	12.6
87.5°	0.0	0.0	4.2	4.2	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)