

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: STREETWORKS

Report Number: P652979

Luminaire Tested: **GLAN-SA7C-840-U-5WQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P652979
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-1)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA7C-840-U-5WQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 80 CRI, 4000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21480.8 lumens
Efficiency: N/A
Efficacy: 57.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

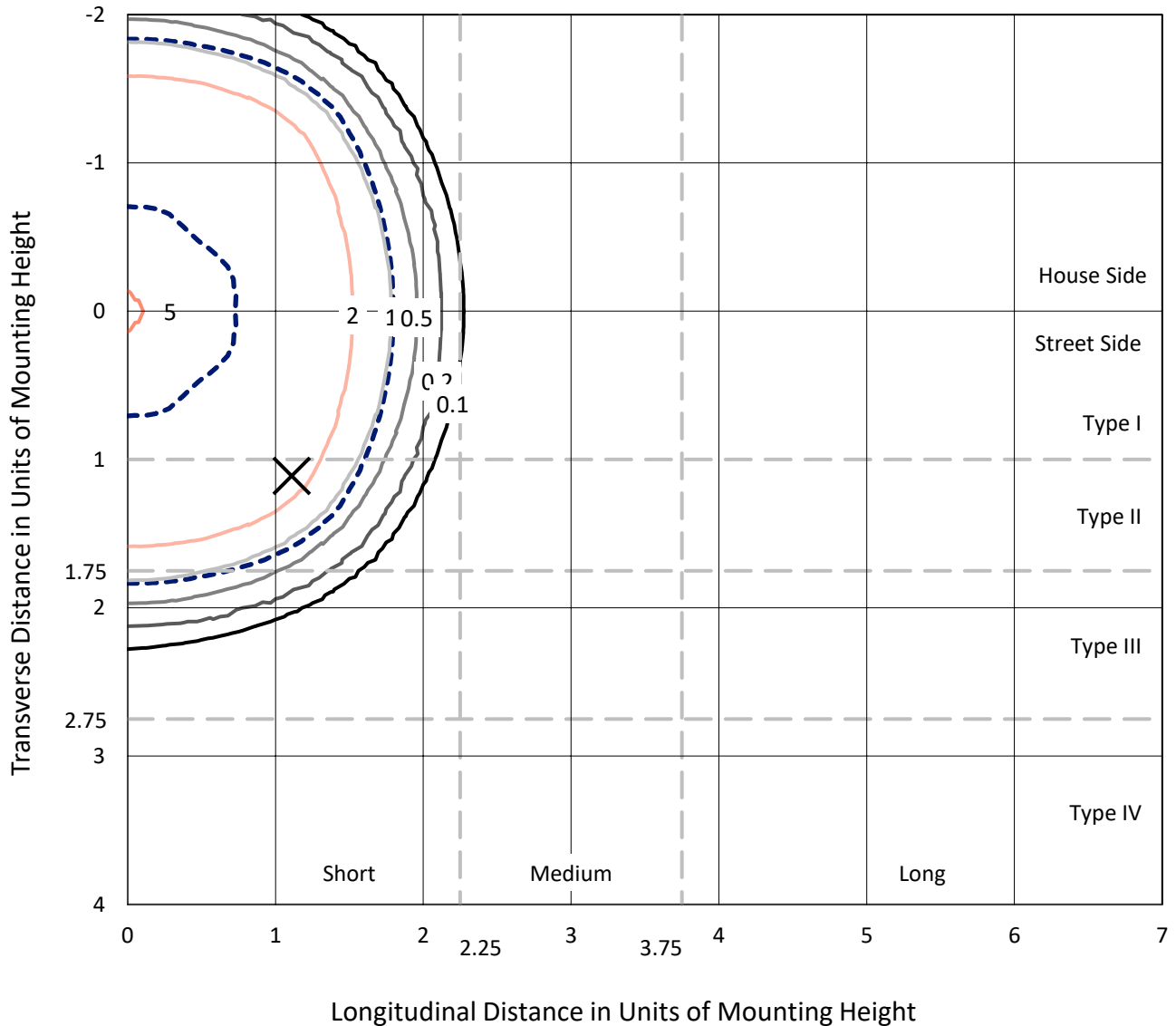
Input Watts (W): 377
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

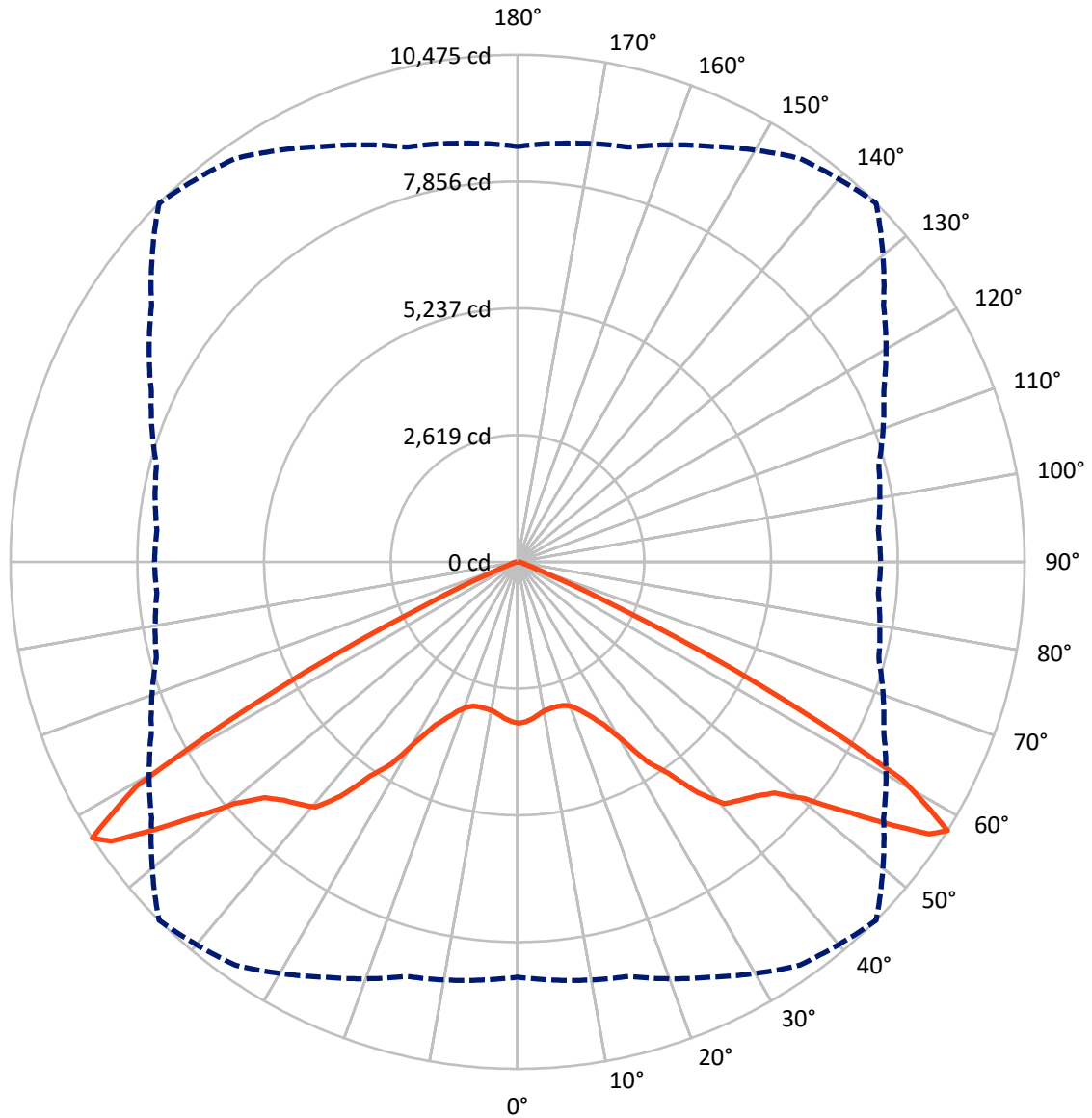
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.3 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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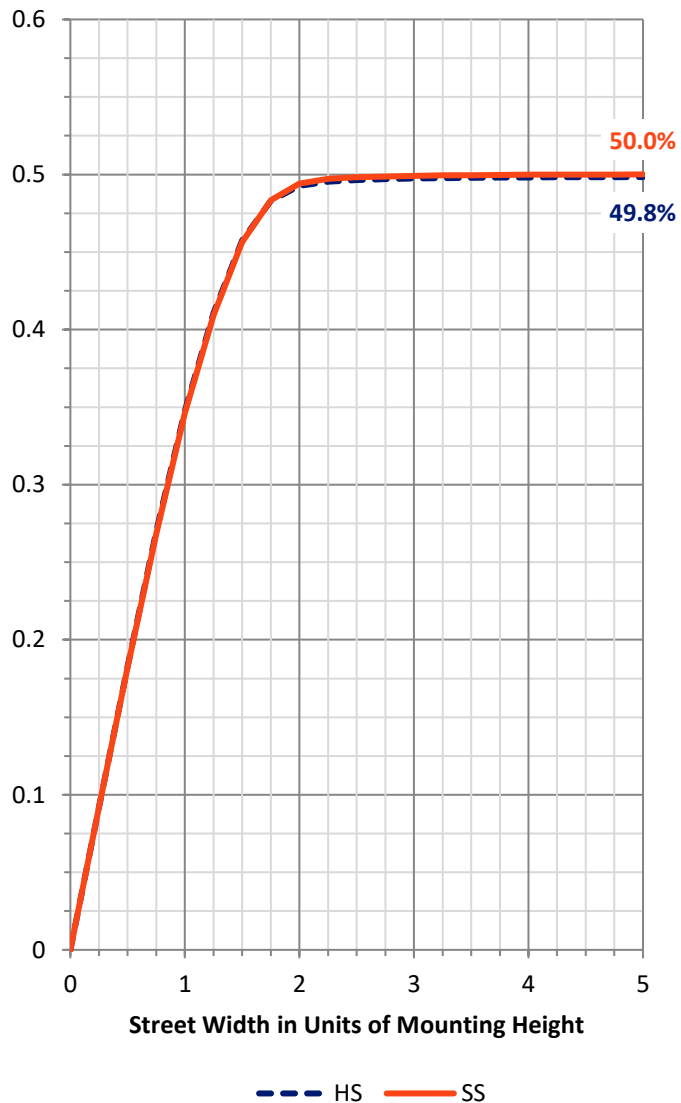
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10740.4	0.0	10740.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	10740.4	0.0	10740.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	21480.8	0.0	21480.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	306.2	1.4
10°-20°	885.0	4.1
20°-30°	1633.6	7.6
30°-40°	3212.7	15.0
40°-50°	5232.6	24.4
50°-60°	7462.4	34.7
60°-70°	2583.6	12.0
70°-80°	138.6	0.6
80°-90°	26.0	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°	21480.8	100.0
0°-180°	21480.8	100.0

Coefficient of Utilization



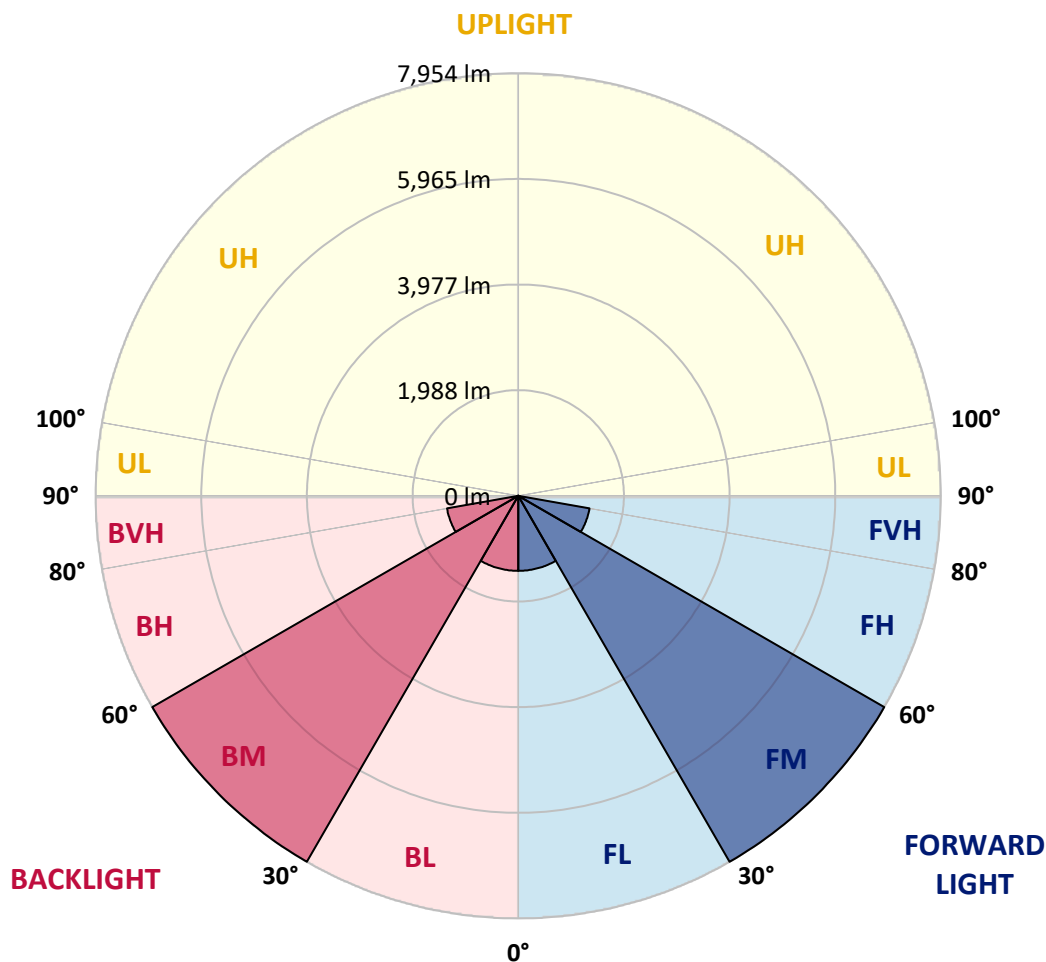
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1412.4	6.6			
FM (30°-60°)	7953.9	37.0			
FH (60°-80°)	1361.1	6.3			G1/1800
FVH (80°-90°)	13.0	0.1			G1/100
BL (0°-30°)	1412.4	6.6	B3/2500		
BM (30°-60°)	7953.9	37.0	B4/8500		
BH (60°-80°)	1361.1	6.3	B3/2500		G1/1800
BVH (80°-90°)	13.0	0.1			G1/100
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°	3331.9	3331.9	3331.9	3331.9	3331.9	3331.9	3331.9	3331.9	3331.9	3331.9	3331.9
2.5°	3323.0	3340.9	3318.5	3309.5	3305.0	3305.0	3291.6	3291.6	3287.1	3291.6	3273.7
5°	3269.2	3287.1	3287.1	3282.7	3255.8	3251.3	3237.8	3228.9	3233.4	3215.5	3228.9
7.5°	3215.5	3228.9	3211.0	3206.5	3197.6	3179.7	3175.2	3134.8	3139.4	3139.4	3148.3
10°	3206.5	3202.0	3175.2	3152.7	3125.9	3121.5	3108.0	3099.0	3099.0	3094.5	3108.0
12.5°	3206.5	3184.1	3179.7	3130.4	3085.6	3103.5	3067.7	3045.3	3076.6	3085.6	3103.5
15°	3202.0	3224.4	3148.3	3125.9	3094.5	3099.0	3067.7	3045.3	3063.2	3072.2	3085.6
17.5°	3228.9	3215.5	3193.1	3148.3	3134.8	3116.9	3076.6	3058.7	3058.7	3081.1	3085.6
20°	3300.6	3264.8	3219.9	3197.6	3211.0	3188.6	3139.4	3072.2	3090.1	3108.0	3121.5
22.5°	3367.7	3340.9	3309.5	3296.0	3372.2	3336.4	3251.3	3175.2	3148.3	3179.7	3202.0
25°	3497.6	3497.6	3439.4	3457.3	3542.4	3546.8	3448.4	3314.0	3296.0	3309.5	3318.5
27.5°	3761.8	3775.2	3726.0	3743.9	3779.7	3811.1	3726.0	3614.0	3573.7	3569.3	3582.7
30°	4048.4	4075.3	4070.9	4147.0	4250.0	4267.9	4142.5	3958.8	3838.0	3815.5	3833.4
32.5°	4424.6	4438.0	4429.1	4518.7	4796.3	4926.2	4599.3	4339.6	4178.3	4218.6	4178.3
35°	5132.2	5118.7	5020.3	5038.2	5266.6	5360.6	5047.1	4881.4	4805.3	4885.9	4868.0
37.5°	5741.3	5692.0	5611.4	5727.8	5965.2	6050.2	5723.3	5432.3	5293.4	5427.8	5486.0
40°	6256.3	6130.9	6019.0	6135.3	6453.3	6569.7	6090.6	5853.2	5799.5	5898.0	6023.4
42.5°	6690.7	6610.1	6462.2	6471.2	6681.7	6735.5	6350.3	6211.5	6157.7	6314.5	6377.2
45°	6999.6	6923.5	6784.7	6775.8	6937.0	6901.2	6556.4	6462.2	6493.6	6596.6	6628.0
47.5°	7156.4	7196.7	7116.1	7138.5	7223.6	7138.5	6865.3	6865.3	6793.7	6856.3	6825.1
50°	7608.7	7483.3	7586.3	7586.3	7675.9	7684.9	7411.6	7313.2	7120.6	7013.1	7013.1
52.5°	8137.2	8146.2	8186.5	8334.2	8486.5	8616.4	8226.7	7805.7	7483.3	7344.5	7326.6
55°	8571.6	8661.1	8822.3	9100.0	9538.9	9718.0	9046.3	8293.9	7899.8	7684.9	7640.1
56°	8809.0	8723.9	9001.5	9382.2	9955.4	10188.3	9180.6	8392.4	7958.0	7716.2	7711.7
57.5°	8580.6	8674.6	8867.2	9467.2	10170.4	10474.9	9229.9	8347.7	7725.2	7478.8	7501.2
60°	6775.8	6865.3	7125.0	7796.8	8898.5	9135.9	7810.3	6883.2	6327.9	5974.1	5978.6
62.5°	3833.4	3900.6	4102.1	4724.7	5409.9	5638.2	4868.0	4250.0	3864.8	3667.8	3605.1
65°	1410.7	1383.8	1415.2	1733.1	2154.1	2346.6	2024.2	1710.8	1509.2	1437.5	1410.7
67.5°	528.5	488.1	456.8	488.1	613.5	649.3	595.6	497.1	465.7	479.2	488.1
70°	326.9	309.0	246.3	232.9	228.4	224.0	237.3	250.8	286.6	335.9	344.8
72.5°	228.4	215.0	174.7	165.7	156.8	152.3	174.7	192.6	224.0	259.8	264.2
75°	89.6	94.0	89.6	98.6	103.0	107.5	125.4	138.8	152.3	152.3	147.8
77.5°	17.9	17.9	26.9	35.8	44.8	58.2	85.1	98.6	103.0	98.6	85.1
80°	0.0	0.0	9.0	17.9	35.8	49.3	76.1	85.1	94.0	85.1	67.2
82.5°	0.0	0.0	9.0	22.4	35.8	44.8	71.7	89.6	103.0	94.0	71.7
85°	0.0	0.0	9.0	17.9	26.9	31.4	31.4	22.4	22.4	13.5	9.0
87.5°	0.0	0.0	0.0	0.0	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)