

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: P650113

Luminaire Tested: **GLAN-SA9A-835-U-5MQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P650113
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: STREETWORKS
Catalog Number: GLAN-SA9A-835-U-5MQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(9) 80 CRI, 3500K, 615mA 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: 19481.8 lumens
Efficiency: N/A
Efficacy: 71.1 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

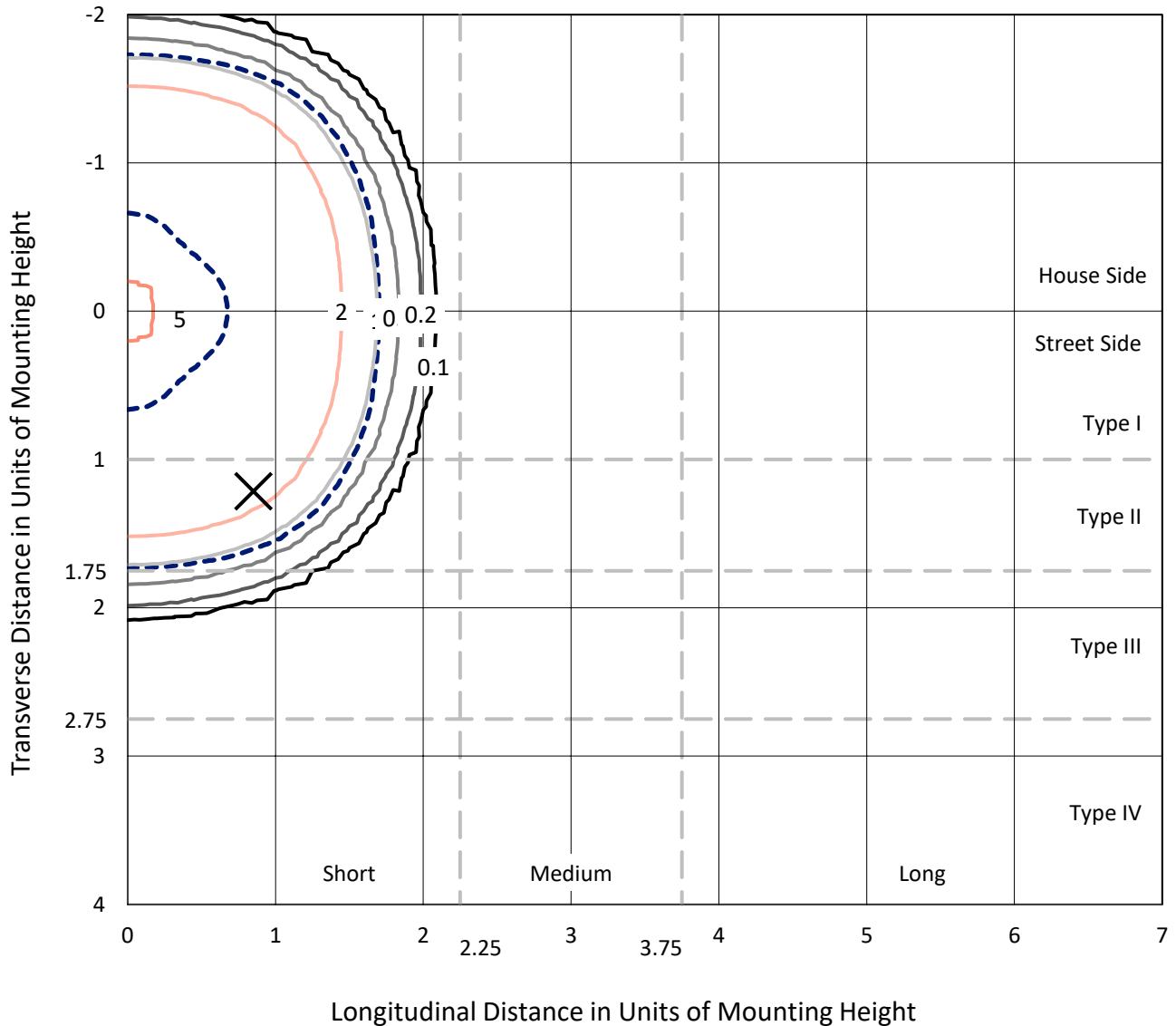
Input Watts (W): 274
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

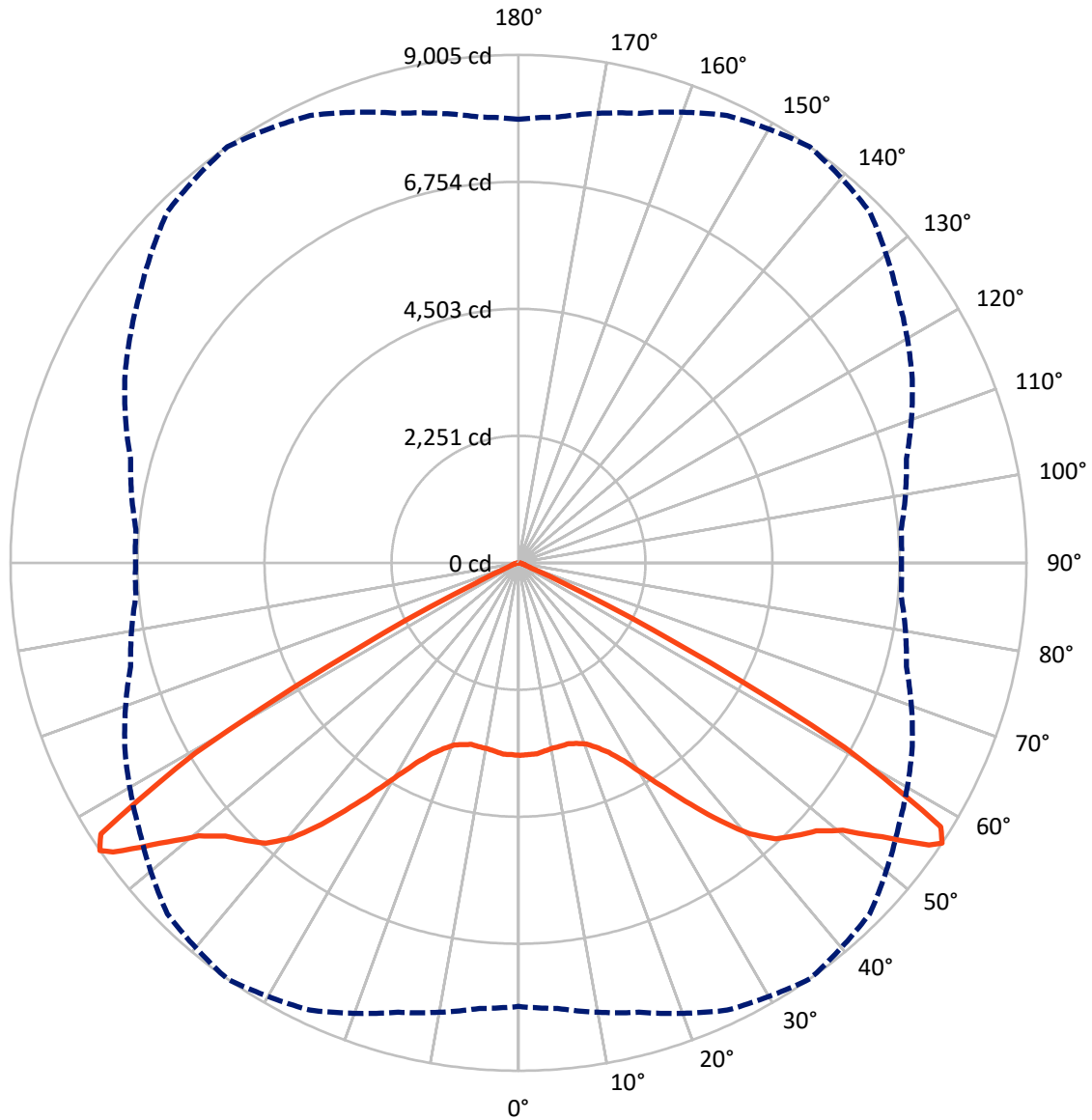
× Max cd
 - - - 1/2 Max cd



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



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

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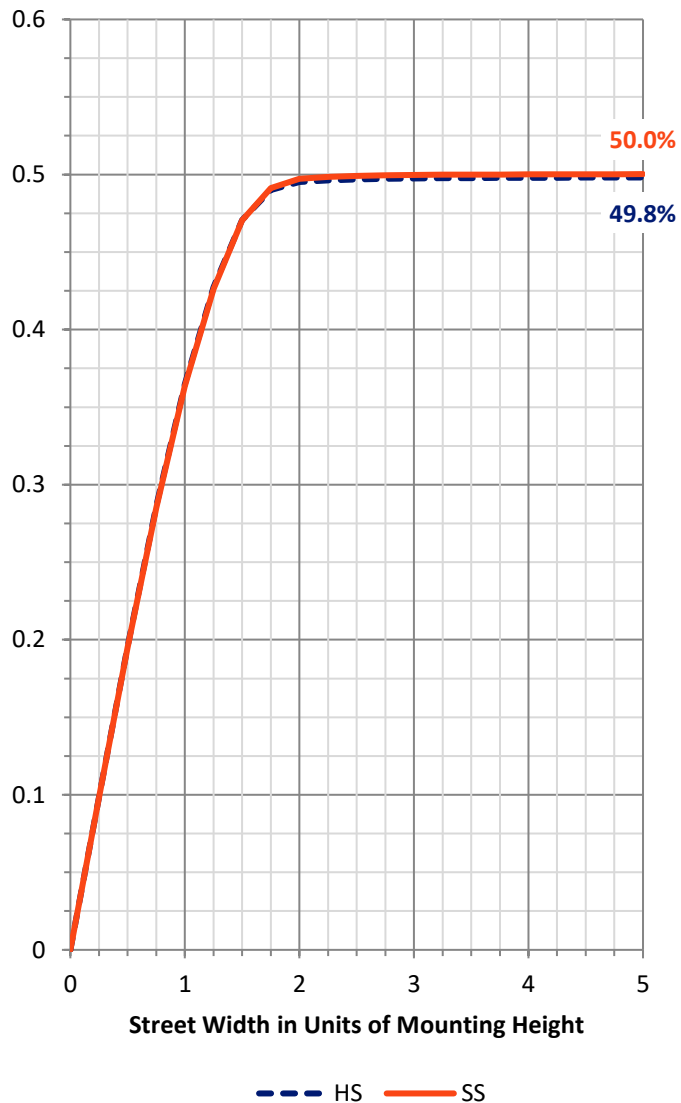
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9740.9	0.0	9740.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9740.9	0.0	9740.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	19481.8	0.0	19481.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	320.8	1.6
10°-20°	936.7	4.8
20°-30°	1696.2	8.7
30°-40°	3145.3	16.1
40°-50°	5162.8	26.5
50°-60°	6651.2	34.1
60°-70°	1465.8	7.5
70°-80°	85.0	0.4
80°-90°	17.9	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°	19481.8	100.0
0°-180°	19481.8	100.0

Coefficient of Utilization



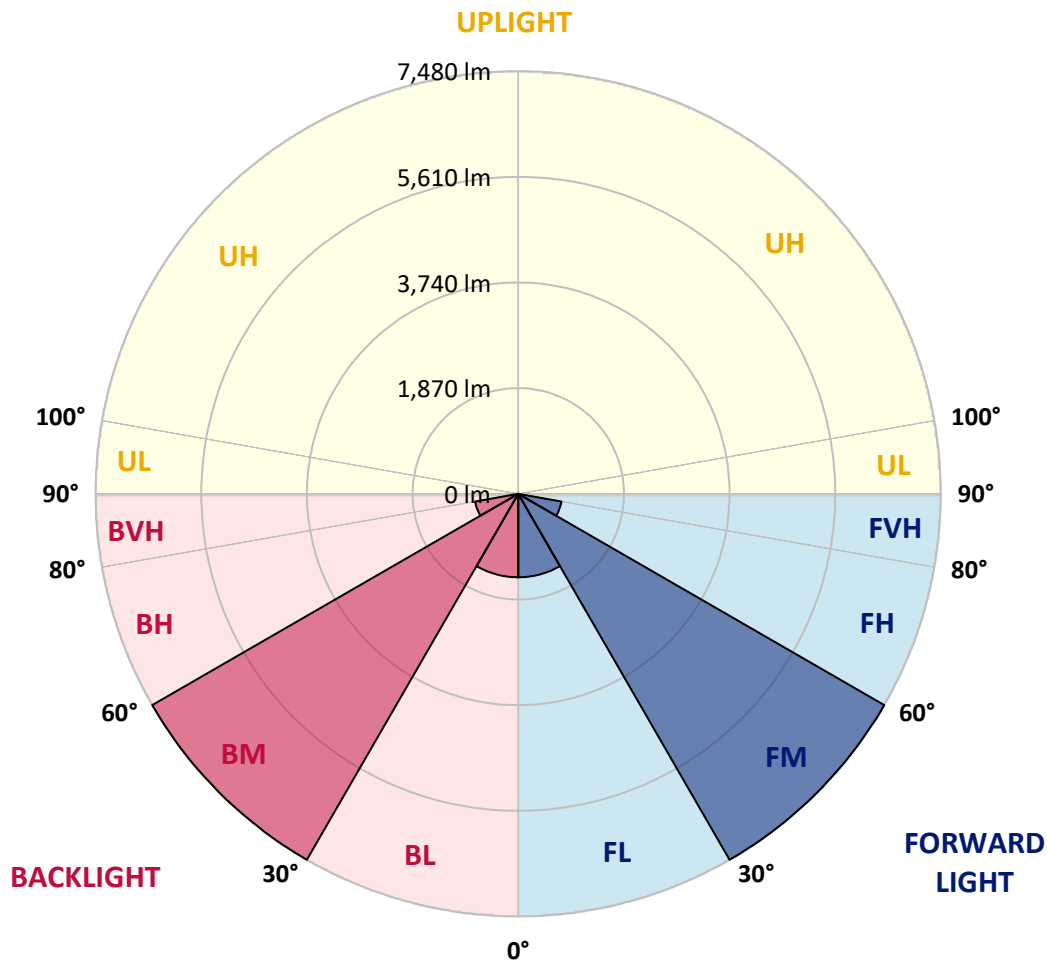
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1476.8	7.6			
FM (30°-60°)	7479.7	38.4			
FH (60°-80°)	775.4	4.0			G1/1800
FVH (80°-90°)	8.9	0.0			G0/10
BL (0°-30°)	1476.8	7.6	B3/2500		
BM (30°-60°)	7479.7	38.4	B4/8500		
BH (60°-80°)	775.4	4.0	B2/1000		G1/1800
BVH (80°-90°)	8.9	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°	3413.6	3413.6	3413.6	3413.6	3413.6	3413.6	3413.6	3413.6	3413.6	3413.6	3413.6
2.5°	3420.7	3420.7	3424.2	3427.7	3403.1	3392.4	3395.9	3388.9	3385.4	3395.9	3395.9
5°	3410.1	3410.1	3399.6	3403.1	3403.1	3371.3	3371.3	3378.3	3378.3	3357.2	3350.1
7.5°	3381.9	3374.8	3360.7	3378.3	3367.8	3367.8	3343.0	3325.4	3318.4	3332.4	3318.4
10°	3321.9	3325.4	3339.5	3346.5	3339.5	3360.7	3318.4	3293.6	3268.9	3258.3	3258.3
12.5°	3293.6	3314.8	3293.6	3311.2	3336.0	3318.4	3293.6	3276.0	3240.7	3226.5	3226.5
15°	3290.1	3304.2	3311.2	3336.0	3325.4	3332.4	3283.0	3261.8	3208.9	3184.1	3173.6
17.5°	3286.6	3304.2	3314.8	3360.7	3367.8	3371.3	3332.4	3268.9	3223.0	3198.3	3173.6
20°	3325.4	3332.4	3353.6	3399.6	3427.7	3477.1	3406.6	3339.5	3240.7	3212.4	3201.8
22.5°	3374.8	3410.1	3431.3	3480.7	3554.8	3597.2	3505.4	3420.7	3318.4	3283.0	3240.7
25°	3533.7	3526.6	3561.9	3664.3	3724.3	3756.1	3681.9	3558.3	3424.2	3381.9	3388.9
27.5°	3731.3	3738.4	3770.1	3883.1	3971.4	4020.8	3932.5	3770.1	3639.5	3569.0	3561.9
30°	3989.1	3981.9	4017.3	4169.1	4328.0	4402.1	4246.8	4056.1	3929.0	3837.2	3858.5
32.5°	4260.9	4264.4	4363.3	4500.9	4758.6	4903.4	4652.7	4419.7	4229.1	4165.6	4133.8
35°	4663.3	4680.9	4758.6	4970.4	5256.4	5443.5	5168.1	4889.2	4670.4	4553.8	4568.0
37.5°	5161.1	5143.4	5274.0	5503.5	5803.5	5941.2	5708.2	5390.5	5168.1	5090.4	5139.8
40°	5690.5	5708.2	5775.3	5983.5	6319.0	6410.7	6064.7	5891.8	5697.7	5658.8	5718.8
42.5°	6220.1	6209.5	6258.9	6446.0	6689.6	6626.1	6421.3	6319.0	6181.2	6103.6	6184.8
45°	6608.4	6590.7	6682.5	6809.6	6897.8	6777.9	6686.0	6650.7	6580.2	6495.5	6569.6
47.5°	6986.2	6972.0	7060.2	7095.5	7102.6	6943.8	6961.4	7024.9	6848.4	6671.9	6756.7
50°	7307.3	7282.7	7392.1	7469.7	7452.1	7198.0	7261.5	7198.0	6922.6	6714.3	6682.5
52.5°	7843.9	7854.5	7971.0	8112.3	8069.9	7858.0	7766.3	7476.8	7123.8	6936.7	6827.3
55°	8182.8	8129.9	8331.1	8779.5	8828.9	8609.9	8204.0	7776.8	7247.4	7017.9	6989.7
56°	7865.2	7932.2	8249.9	8751.2	9005.4	8804.1	8214.6	7702.8	7120.3	6809.6	6788.5
57.5°	7056.7	7021.4	7452.1	8136.9	8828.9	8744.2	7925.1	7173.2	6495.5	6145.9	6103.6
60°	4391.5	4493.9	4871.6	5718.8	6643.7	6686.0	5874.1	5228.1	4437.3	4126.7	4200.9
62.5°	1719.2	1630.9	1867.5	2499.3	3134.7	3276.0	2968.8	2467.5	2026.3	1719.2	1698.0
65°	398.9	388.3	437.7	603.6	843.7	977.8	928.4	667.2	490.7	466.0	430.6
67.5°	225.9	225.9	215.3	215.3	236.5	250.6	240.1	236.5	247.1	257.7	254.2
70°	158.9	155.3	148.3	151.8	144.7	144.7	155.3	173.0	187.1	187.1	190.7
72.5°	95.3	95.3	95.3	105.9	105.9	105.9	116.5	130.6	134.1	130.6	127.1
75°	42.4	42.4	49.4	60.0	67.1	70.6	81.2	88.2	95.3	88.2	81.2
77.5°	10.6	10.6	17.6	24.7	31.8	38.8	52.9	63.6	67.1	63.6	52.9
80°	3.5	3.5	7.0	17.6	31.8	38.8	52.9	56.5	60.0	52.9	42.4
82.5°	3.5	3.5	7.0	17.6	24.7	31.8	42.4	49.4	52.9	45.9	42.4
85°	0.0	3.5	7.0	14.1	21.2	28.3	28.3	21.2	17.6	10.6	14.1
87.5°	0.0	0.0	3.5	3.5	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)