

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: P649136

Luminaire Tested: **GLAN-SA9C-835-U-RW-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P649136
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: STREETWORKS
Catalog Number: GLAN-SA9C-835-U-RW-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(9) 80 CRI, 3500K, 1050mA 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: 32250.2 lumens
Efficiency: N/A
Efficacy: 67.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

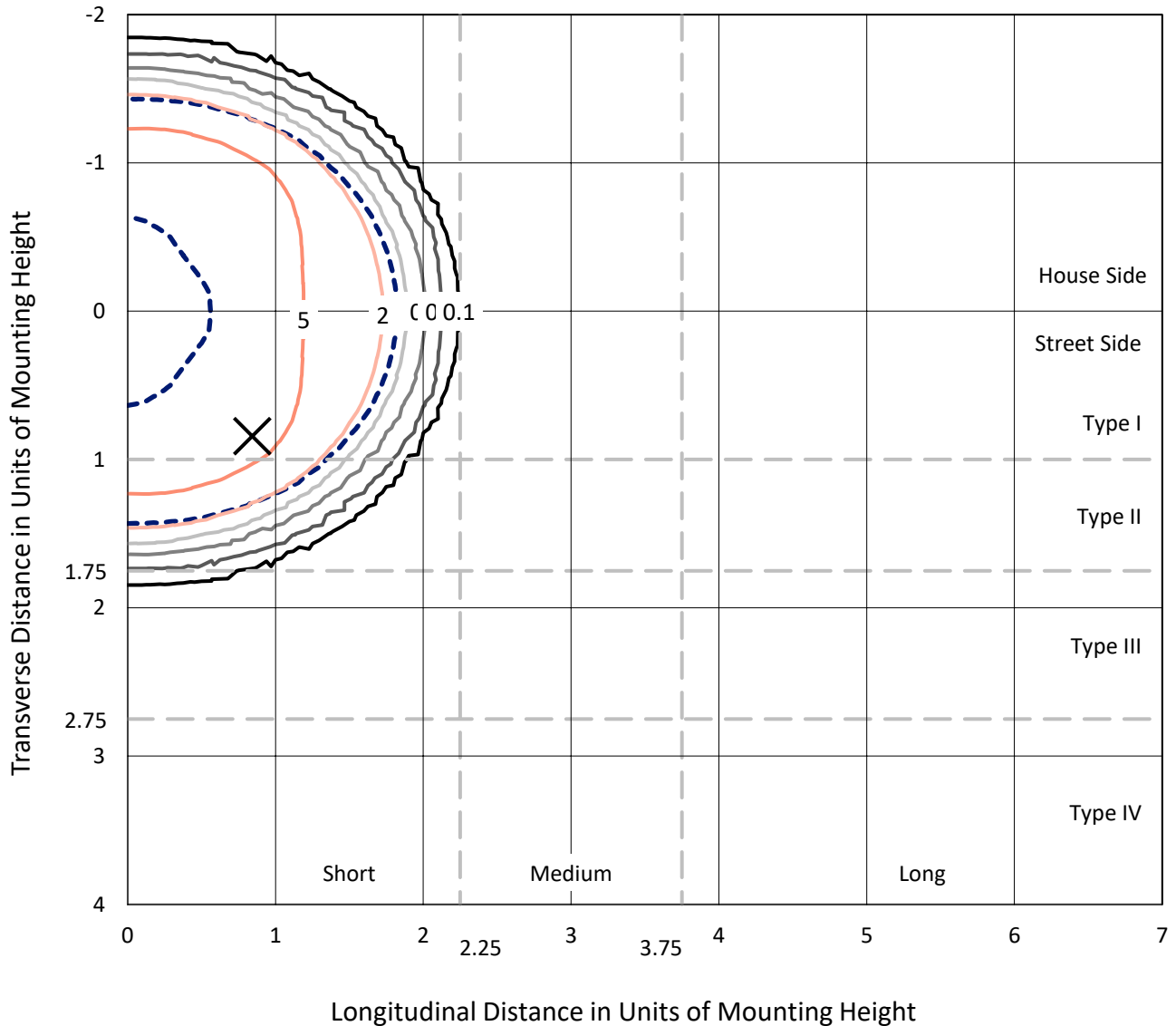
Input Watts (W): 481
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

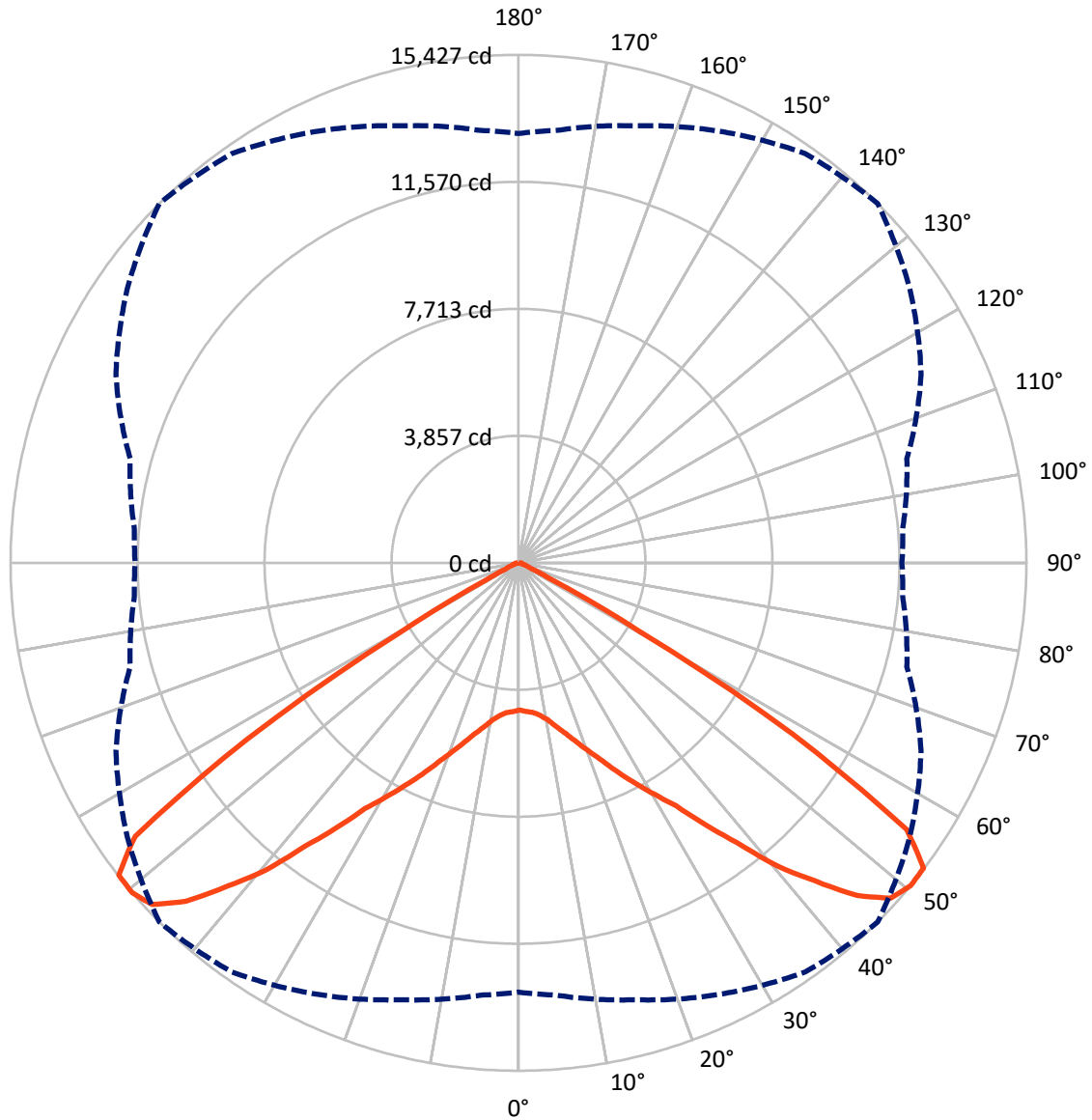
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.6 fc
 Type V - Short - N/A

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CATALOG NUMBER: GLAN-SA9C-835-U-RW-GRSBK

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	16125.1	0.0	16125.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	16125.1	0.0	16125.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	32250.2	0.0	32250.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	444.8	1.4
10°-20°	1533.1	4.8
20°-30°	3131.1	9.7
30°-40°	5971.1	18.5
40°-50°	10062.1	31.2
50°-60°	9596.0	29.8
60°-70°	1339.6	4.2
70°-80°	128.1	0.4
80°-90°	44.3	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°	32250.2	100.0
0°-180°	32250.2	100.0

Coefficient of Utilization



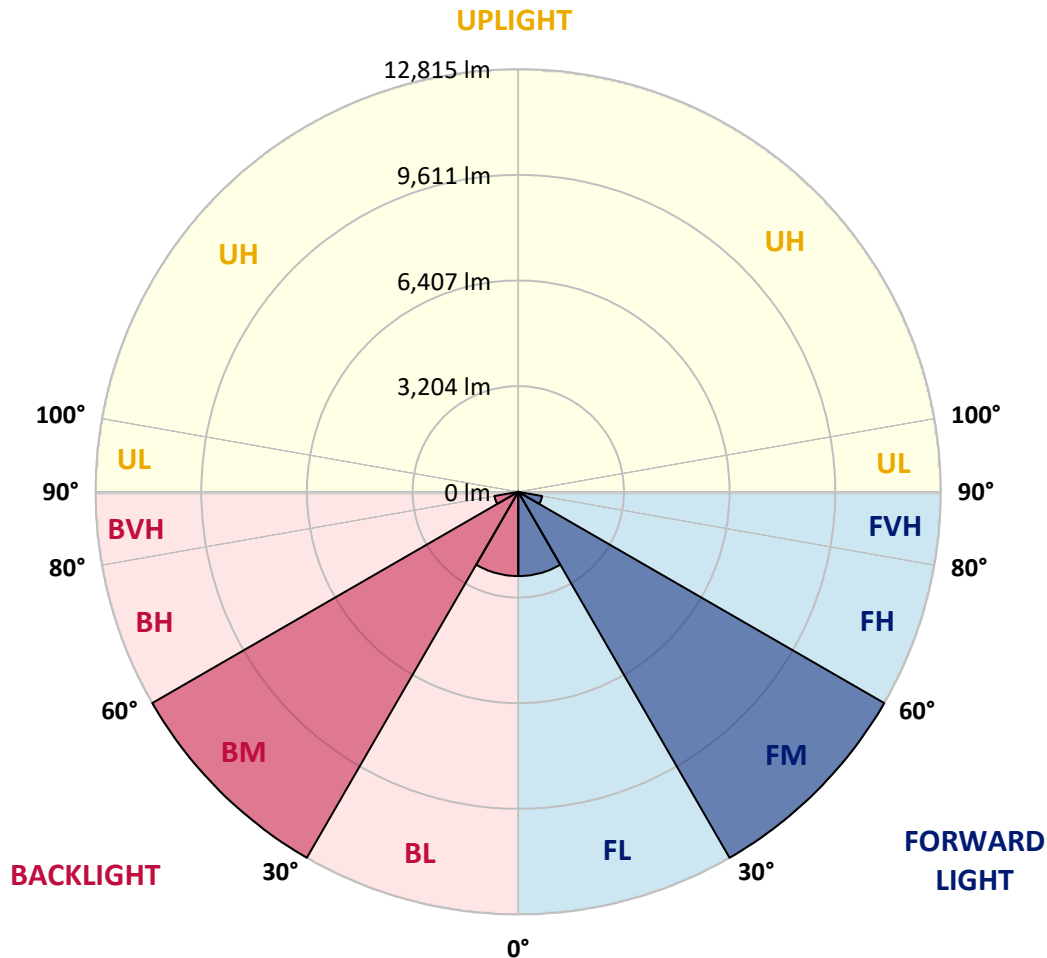
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2554.5	7.9			
FM (30°-60°)	12814.6	39.7			
FH (60°-80°)	733.8	2.3			G1/1800
FVH (80°-90°)	22.1	0.1			G1/100
BL (0°-30°)	2554.5	7.9	B4/5000		
BM (30°-60°)	12814.6	39.7	B5		
BH (60°-80°)	733.8	2.3	B2/1000		G1/1800
BVH (80°-90°)	22.1	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°	4471.2	4471.2	4471.2	4471.2	4471.2	4471.2	4471.2	4471.2	4471.2	4471.2	4471.2
2.5°	4454.9	4454.9	4449.4	4492.9	4471.2	4519.9	4514.5	4530.8	4547.1	4541.7	4585.1
5°	4416.9	4411.4	4411.4	4460.3	4509.1	4563.4	4612.2	4644.8	4699.0	4699.0	4753.3
7.5°	4454.9	4427.7	4465.7	4487.5	4579.7	4671.9	4753.3	4818.4	4943.2	4986.6	4970.3
10°	4465.7	4498.3	4525.4	4590.5	4704.5	4845.5	4916.1	5078.9	5219.9	5317.6	5339.4
12.5°	4536.2	4585.1	4661.0	4818.4	4921.5	5106.0	5203.7	5361.0	5556.3	5664.8	5740.9
15°	4671.9	4688.2	4785.9	4986.6	5209.1	5377.3	5529.2	5643.2	5833.1	5957.9	5963.3
17.5°	4845.5	4916.1	5051.8	5241.6	5475.0	5724.6	5843.9	5968.7	6039.3	6207.5	6245.5
20°	5192.8	5203.7	5333.9	5583.5	5876.5	6104.4	6191.3	6256.3	6229.2	6402.8	6435.4
22.5°	5518.3	5529.2	5692.0	6028.5	6343.2	6538.5	6576.5	6538.5	6457.1	6581.9	6592.8
25°	5849.4	5947.0	6066.4	6402.8	6793.5	7054.0	7059.4	6956.3	6788.1	6809.8	6864.1
27.5°	6364.9	6435.4	6560.2	6869.5	7298.2	7591.2	7542.3	7417.5	7200.5	7216.8	7200.5
30°	6967.1	7032.3	7135.4	7531.4	7846.2	8166.3	8236.8	8117.5	7791.9	7721.4	7802.8
32.5°	7694.2	7786.5	7976.4	8340.0	8605.9	8801.2	8850.0	8806.6	8502.8	8475.7	8529.9
35°	8578.7	8703.5	8877.2	9197.3	9414.3	9767.1	9767.1	9620.6	9343.8	9376.3	9370.9
37.5°	9512.0	9696.5	9967.8	10293.4	10586.4	10776.3	10716.6	10591.8	10315.1	10244.5	10315.1
40°	10684.0	10776.3	11118.1	11541.4	11899.5	12116.5	11861.5	11590.2	10928.3	11031.3	11221.3
42.5°	11753.0	11899.5	12160.0	12626.6	13033.6	13212.7	12908.8	12371.6	11573.9	11492.6	11633.7
45°	12664.6	12821.9	13163.8	13831.2	14259.9	14417.2	13744.4	12876.2	11964.6	11758.5	11818.1
47.5°	13272.3	13353.8	13831.2	14466.1	14856.8	15214.9	14249.0	13223.5	12149.1	11758.5	11736.7
50°	13039.0	13180.1	13739.0	14460.7	15171.5	15426.5	14504.1	13489.4	12208.8	11709.6	11644.5
52.5°	11579.4	11823.5	12447.6	13418.8	14493.2	15404.8	14856.8	13402.5	12187.1	11758.5	11856.1
55°	8057.8	8063.3	8822.9	10255.4	12154.5	14303.3	14341.3	13500.3	12328.2	12062.3	12067.8
57.5°	3239.4	3402.2	3982.8	5420.7	7173.4	9821.3	11677.0	12523.5	12344.5	12279.3	12447.6
60°	819.3	824.7	1003.8	1530.1	2523.1	4210.7	6115.2	8274.8	9528.3	9956.9	10016.7
62.5°	417.8	423.2	466.7	542.6	689.1	1128.6	2007.7	3185.2	4530.8	5214.5	5393.6
65°	341.9	341.9	368.9	406.9	412.4	434.1	520.9	743.4	1079.8	1226.3	1242.6
67.5°	260.4	260.4	282.2	303.9	314.7	309.3	298.4	309.3	374.4	358.1	347.3
70°	162.8	168.2	179.1	200.8	211.6	217.0	222.5	233.3	265.9	276.7	265.9
72.5°	97.6	97.6	103.1	119.4	135.6	146.5	162.8	173.7	189.9	217.0	211.6
75°	43.4	43.4	54.3	70.5	86.8	103.1	119.4	135.6	146.5	162.8	168.2
77.5°	10.9	16.3	27.1	48.9	65.1	86.8	108.5	124.8	135.6	135.6	130.2
80°	5.4	5.4	21.7	38.0	70.5	92.2	119.4	130.2	146.5	135.6	119.4
82.5°	5.4	5.4	21.7	38.0	65.1	92.2	124.8	141.1	151.9	135.6	113.9
85°	0.0	5.4	16.3	32.6	54.3	65.1	54.3	38.0	21.7	21.7	16.3
87.5°	0.0	0.0	5.4	5.4	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)