

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: P850881

Luminaire Tested: **GLAN-SB8C-835-U-5WQ**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P850881
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-1)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB8C-835-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 80 CRI, 3500K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 50718 lumens
Efficiency: N/A
Efficacy: 126.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G5

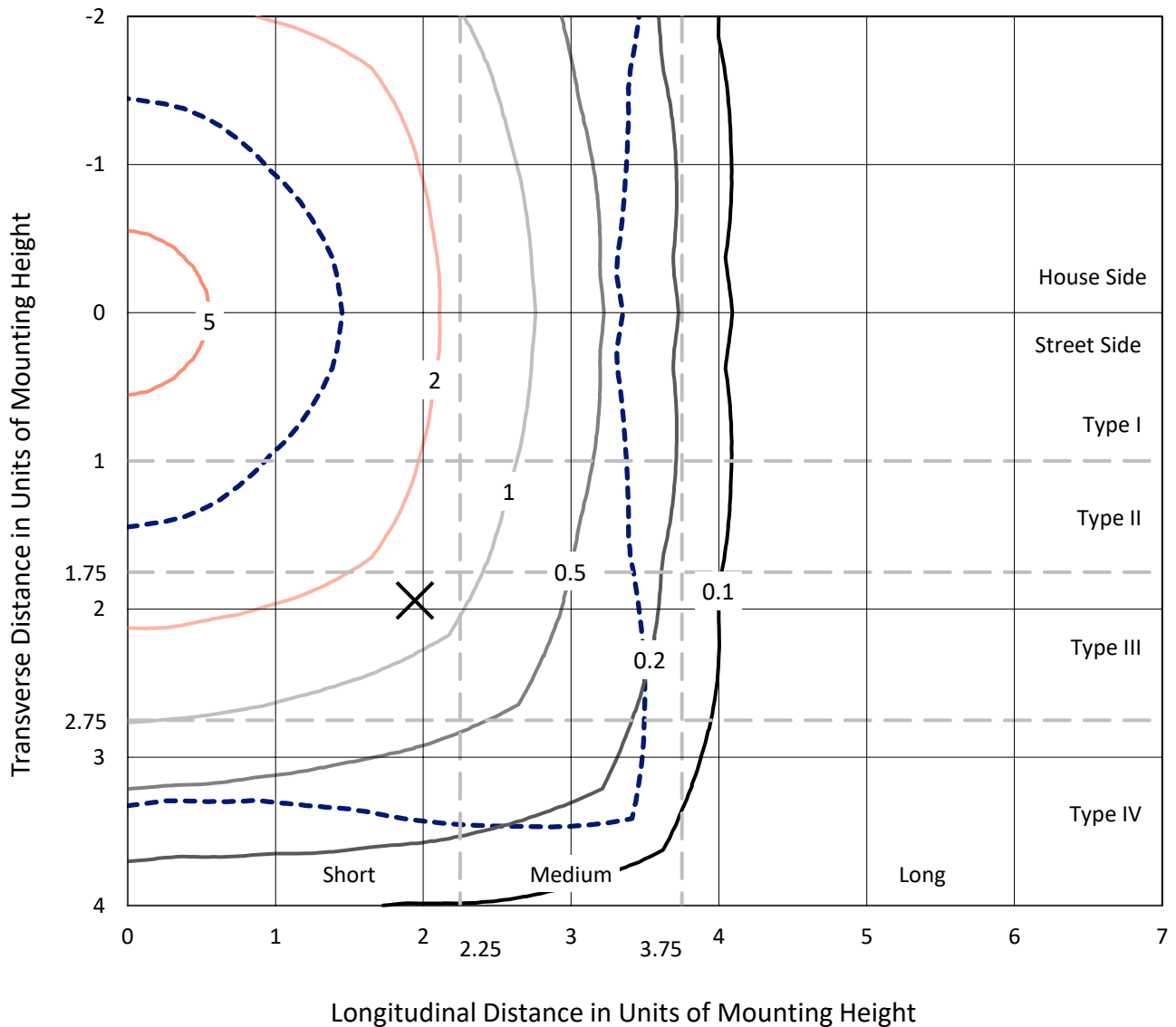
Input Watts (W): 399.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

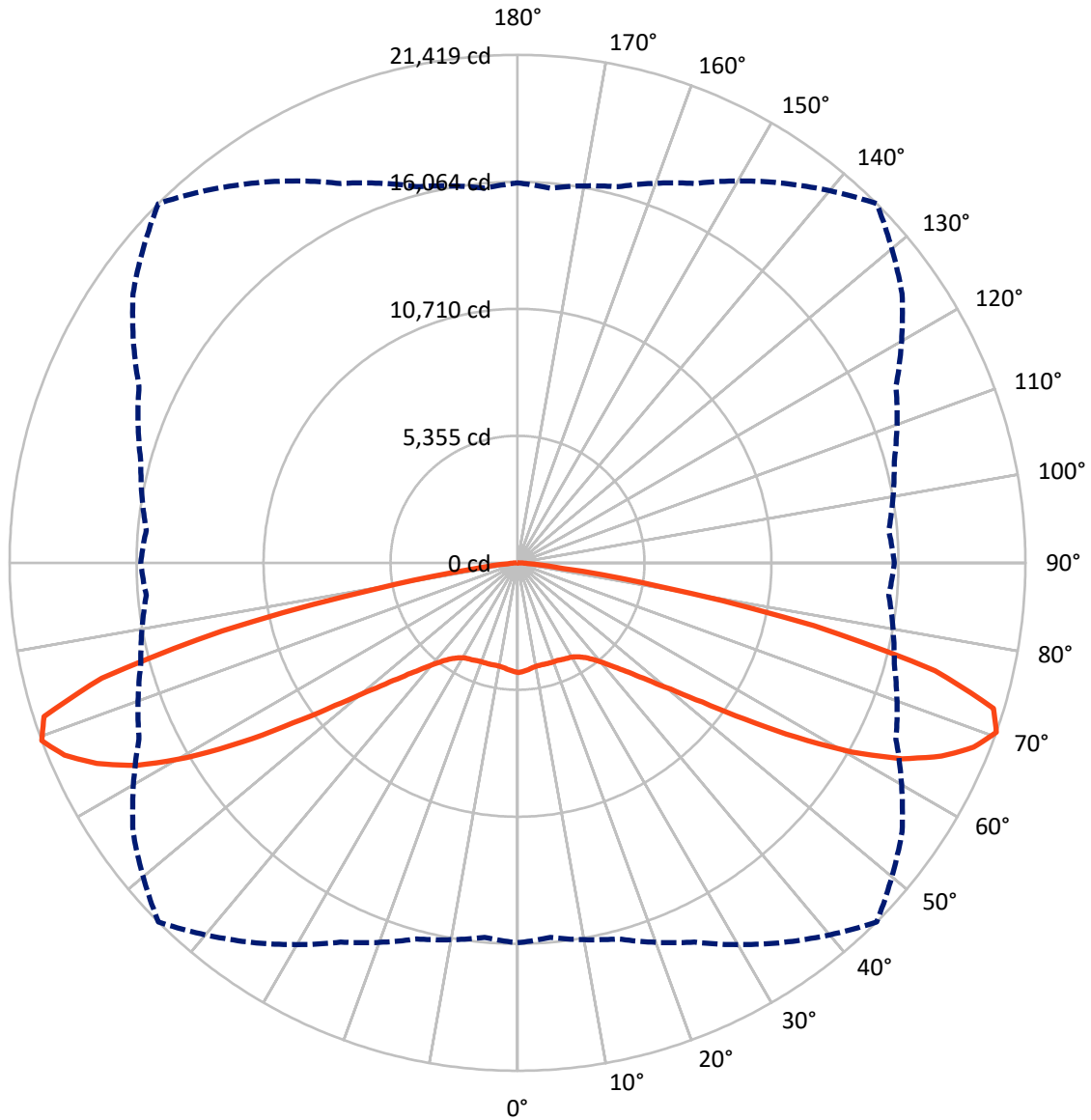
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.4 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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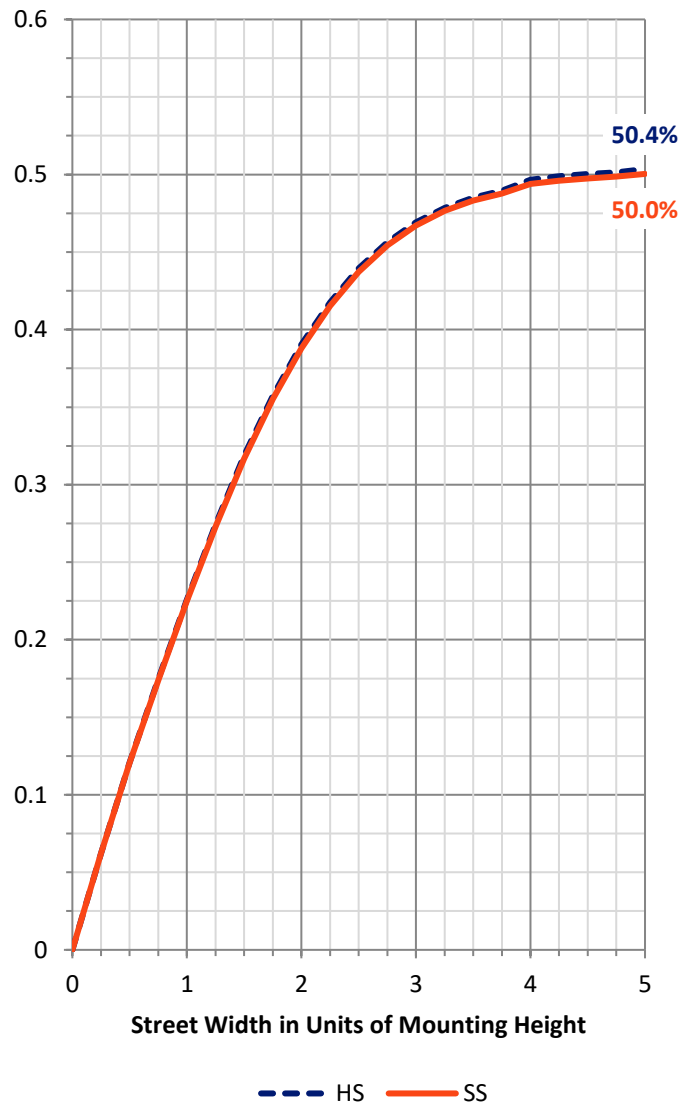
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	25359.0	0.0	25359.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	25359.0	0.0	25359.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	50718.0	0.0	50718.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	430.4	0.8
10°-20°	1263.7	2.5
20°-30°	2103.0	4.1
30°-40°	3180.3	6.3
40°-50°	5284.9	10.4
50°-60°	9972.4	19.7
60°-70°	16838.8	33.2
70°-80°	11064.8	21.8
80°-90°	579.7	1.1
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°	50718.0	100.0
0°-180°	50718.0	100.0

Coefficient of Utilization



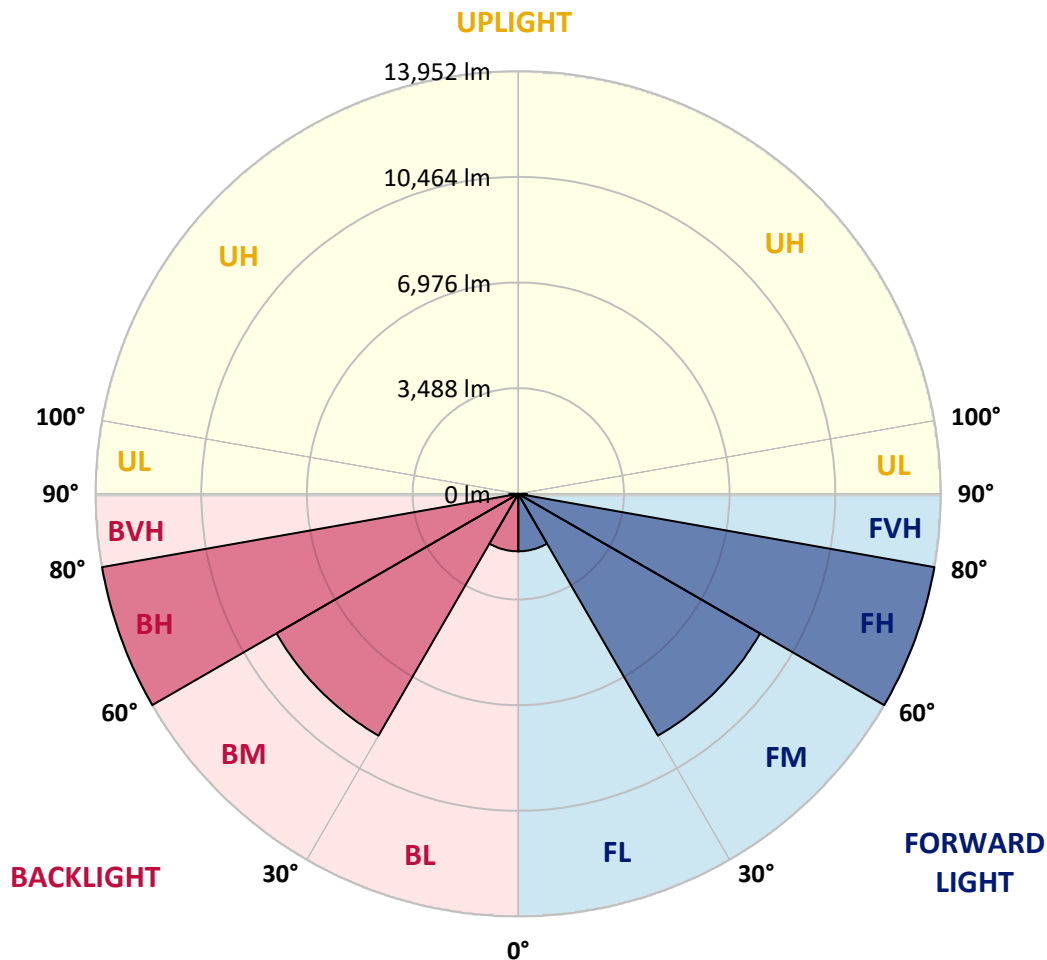
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1898.5	3.7			
FM (30°-60°)	9218.8	18.2			
FH (60°-80°)	13951.8	27.5			G5
FVH (80°-90°)	289.8	0.6			G3/500
BL (0°-30°)	1898.5	3.7	B3/2500		
BM (30°-60°)	9218.8	18.2	B5		
BH (60°-80°)	13951.8	27.5	B5		G5
BVH (80°-90°)	289.8	0.6			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G5

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	4626.5	4626.5	4626.5	4626.5	4626.5	4626.5	4626.5	4626.5	4626.5	4626.5
2.5°	4597.5	4610.7	4605.4	4594.9	4594.9	4587.0	4594.9	4600.1	4608.0	4613.3
5°	4536.9	4547.4	4544.8	4536.9	4539.5	4531.6	4536.9	4544.8	4550.1	4552.7
7.5°	4484.1	4494.7	4489.4	4476.2	4476.2	4468.3	4471.0	4478.9	4486.8	4489.4
10°	4471.0	4481.5	4465.7	4444.6	4436.7	4426.2	4428.8	4436.7	4452.5	4460.4
12.5°	4476.2	4484.1	4468.3	4436.7	4428.8	4418.2	4418.2	4426.2	4447.2	4457.8
15°	4492.1	4500.0	4476.2	4442.0	4434.1	4426.2	4423.5	4434.1	4457.8	4476.2
17.5°	4521.1	4529.0	4492.1	4444.6	4434.1	4436.7	4434.1	4442.0	4478.9	4513.1
20°	4547.4	4552.7	4502.6	4444.6	4434.1	4436.7	4434.1	4449.9	4497.3	4544.8
22.5°	4555.3	4560.6	4513.1	4463.1	4455.2	4457.8	4455.2	4471.0	4515.8	4563.2
25°	4558.0	4565.9	4529.0	4489.4	4502.6	4507.9	4502.6	4505.2	4539.5	4581.7
27.5°	4597.5	4608.0	4573.8	4539.5	4547.4	4544.8	4552.7	4560.6	4587.0	4629.1
30°	4679.2	4687.1	4658.1	4623.9	4618.6	4600.1	4623.9	4650.2	4679.2	4716.1
32.5°	4813.7	4829.5	4792.6	4755.7	4732.0	4721.4	4739.9	4784.7	4824.2	4863.8
35°	5037.7	5048.3	5014.0	4945.5	4903.3	4903.3	4919.1	4977.1	5040.4	5090.5
37.5°	5354.1	5367.3	5306.6	5224.9	5161.6	5161.6	5182.7	5243.4	5338.3	5409.4
40°	5739.0	5757.4	5681.0	5596.6	5536.0	5525.4	5551.8	5620.3	5710.0	5799.6
42.5°	6202.9	6224.0	6123.9	6050.0	6002.6	6002.6	6015.8	6079.0	6160.8	6271.5
45°	6796.1	6833.0	6695.9	6622.1	6577.3	6587.8	6595.7	6651.1	6724.9	6851.4
47.5°	7502.6	7539.5	7394.5	7318.0	7310.1	7360.2	7328.6	7368.1	7407.7	7552.7
50°	8304.0	8367.2	8267.1	8261.8	8277.6	8369.9	8296.1	8317.2	8272.3	8364.6
52.5°	9284.6	9376.9	9358.5	9390.1	9566.7	9756.5	9587.8	9514.0	9345.3	9374.3
55°	10473.6	10613.3	10639.6	10829.4	11230.1	11617.7	11259.1	10961.3	10602.7	10536.8
57.5°	11825.9	11936.6	12063.2	12450.7	13199.4	13887.4	13199.4	12540.3	11976.2	11841.7
60°	13281.1	13418.2	13539.4	14111.5	15224.0	16191.4	15202.9	14156.3	13410.3	13228.4
62.5°	14844.4	15021.0	15105.3	15740.7	17037.7	18192.3	17056.1	15788.1	14960.3	14765.3
65°	16344.3	16489.3	16584.2	17261.7	18500.7	19658.0	18585.1	17335.5	16484.1	16228.3
67.5°	17042.9	17122.0	17354.0	18121.1	19428.7	20749.4	19650.1	18202.8	17251.2	16803.0
70°	16020.1	15859.3	16418.2	17646.6	19539.4	21419.0	19792.5	17609.7	16444.5	15716.9
72.5°	12379.5	12102.7	13072.8	15173.9	18274.0	20991.9	18400.6	15292.5	13676.5	12200.3
75°	6735.4	6421.7	7760.9	10418.2	14572.8	18194.9	14907.6	10716.1	8641.4	6685.4
77.5°	1900.7	1782.1	2862.9	5040.4	8765.3	12774.9	9102.7	5151.1	3395.4	2014.0
80°	582.6	564.1	764.5	1518.4	3722.3	6118.6	3577.3	1536.9	972.8	614.2
82.5°	345.3	316.3	379.6	553.6	949.0	1921.8	922.7	577.3	464.0	311.1
85°	197.7	184.5	224.1	268.9	319.0	408.6	266.3	274.2	247.8	166.1
87.5°	81.7	73.8	87.0	84.4	73.8	94.9	71.2	84.4	100.2	65.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
4626.5
4610.7
4552.7
4489.4
4460.4
4460.4
4478.9
4513.1
4547.4
4563.2
4579.1
4618.6
4708.2
4847.9
5072.0
5383.1
5770.6
6263.6
6846.2
7510.5
8309.3
9276.7
10434.0
11746.8
13070.2
14607.1
16101.8
16808.3
15890.9
12566.7
7120.3
2238.1
648.5
337.4
174.0
60.6
0.0

OF REPORT)