

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: P848851

Luminaire Tested: **GLAN-SB5C-840-U-5WQ**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P848851
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-SB5C-840-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 80 CRI, 4000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 34030 lumens
Efficiency: N/A
Efficacy: 136.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

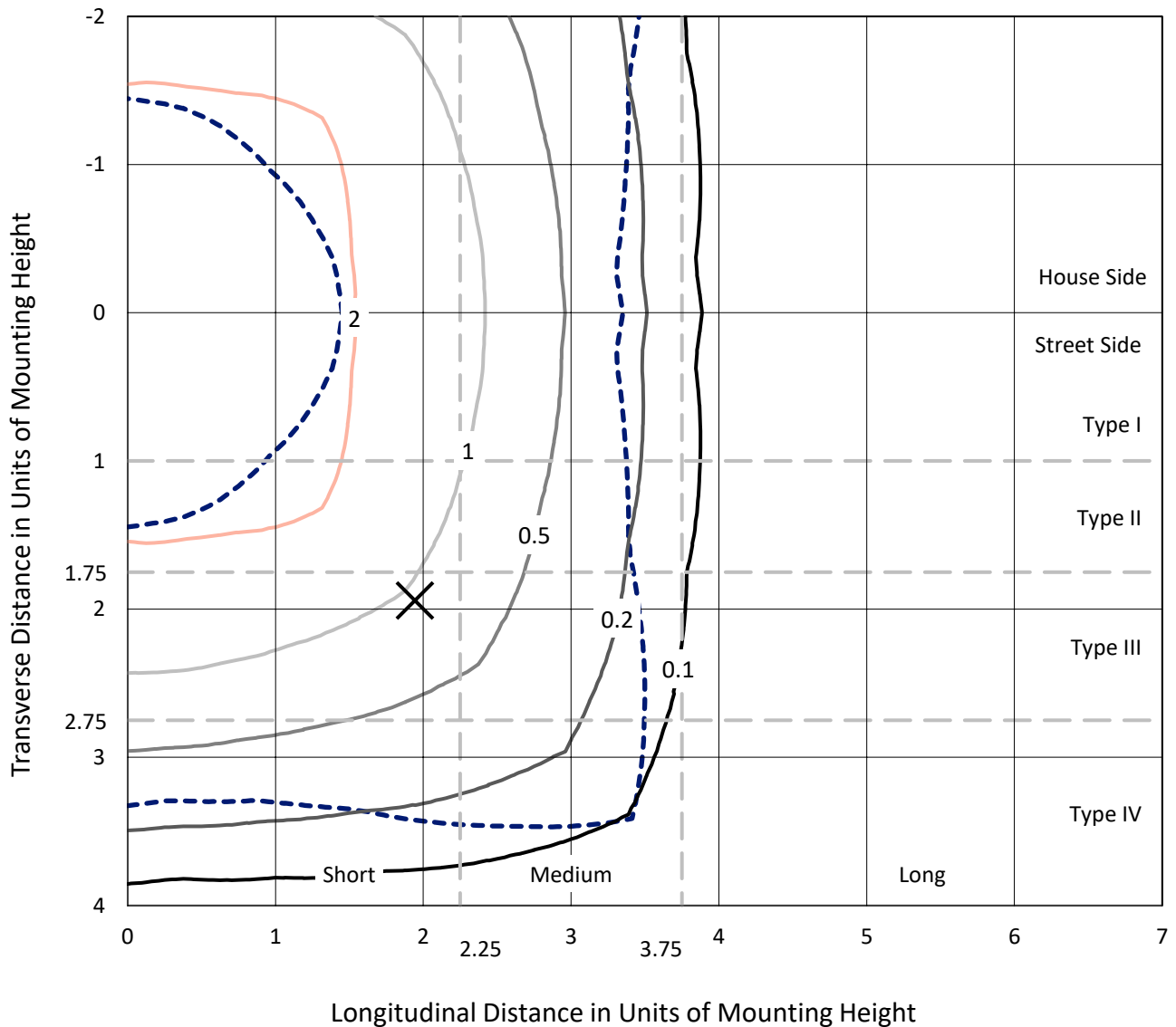
Input Watts (W): 249.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

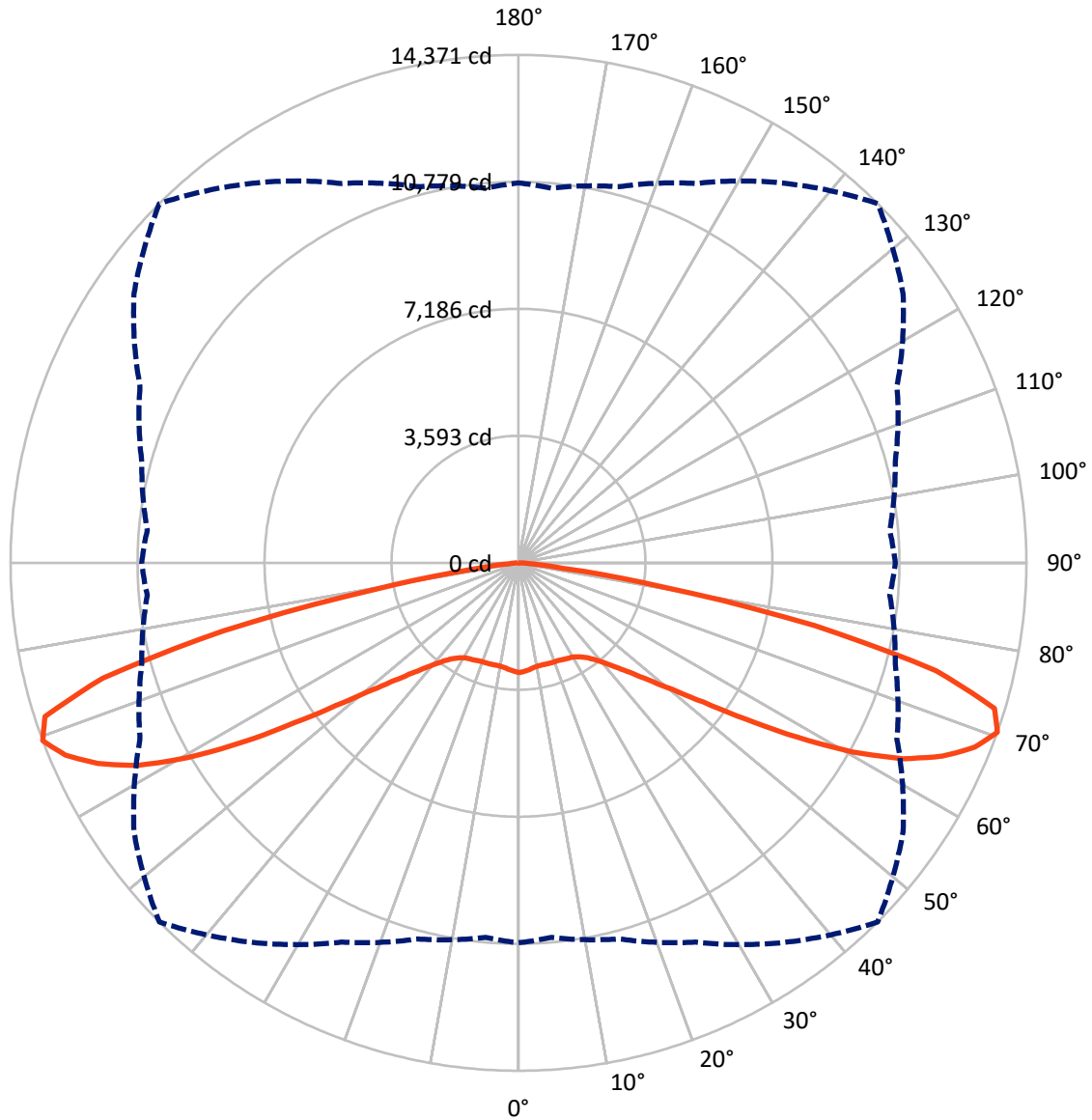
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5 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	17015.0	0.0	17015.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	17015.0	0.0	17015.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	34030.0	0.0	34030.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	288.8	0.8
10°-20°	847.9	2.5
20°-30°	1411.0	4.1
30°-40°	2133.9	6.3
40°-50°	3546.0	10.4
50°-60°	6691.1	19.7
60°-70°	11298.3	33.2
70°-80°	7424.1	21.8
80°-90°	388.9	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°	34030.0	100.0
0°-180°	34030.0	100.0

Coefficient of Utilization



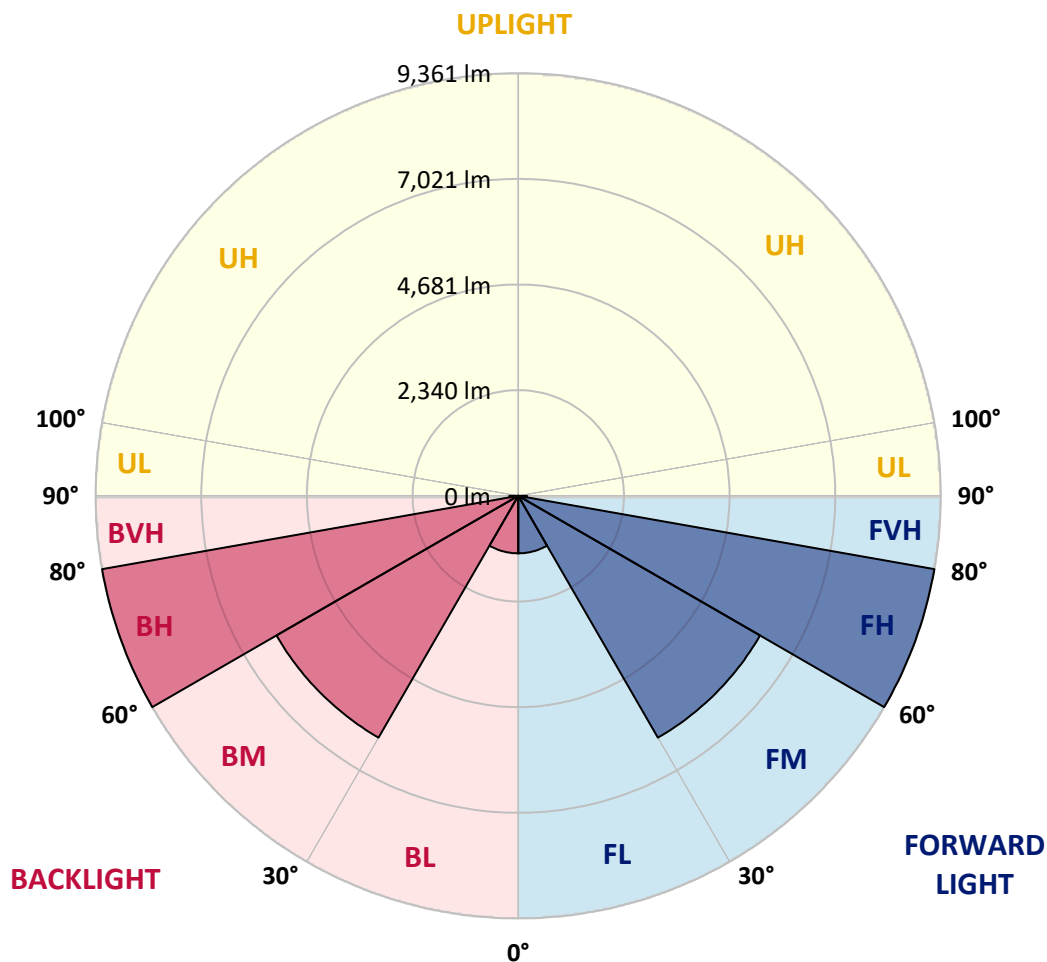
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1273.8	3.7			
FM (30°-60°)	6185.5	18.2			
FH (60°-80°)	9361.2	27.5			G4/12000
FVH (80°-90°)	194.5	0.6			G2/225
BL (0°-30°)	1273.8	3.7	B3/2500		
BM (30°-60°)	6185.5	18.2	B4/8500		
BH (60°-80°)	9361.2	27.5	B5		G4/12000
BVH (80°-90°)	194.5	0.6			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G4

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	3104.2	3104.2	3104.2	3104.2	3104.2	3104.2	3104.2	3104.2	3104.2	3104.2
2.5°	3084.8	3093.6	3090.1	3083.0	3083.0	3077.7	3083.0	3086.5	3091.8	3095.4
5°	3044.1	3051.2	3049.4	3044.1	3045.9	3040.5	3044.1	3049.4	3052.9	3054.7
7.5°	3008.7	3015.8	3012.2	3003.4	3003.4	2998.1	2999.9	3005.2	3010.5	3012.2
10°	2999.9	3006.9	2996.3	2982.2	2976.9	2969.8	2971.6	2976.9	2987.5	2992.8
12.5°	3003.4	3008.7	2998.1	2976.9	2971.6	2964.5	2964.5	2969.8	2983.9	2991.0
15°	3014.0	3019.3	3003.4	2980.4	2975.1	2969.8	2968.0	2975.1	2991.0	3003.4
17.5°	3033.5	3038.8	3014.0	2982.2	2975.1	2976.9	2975.1	2980.4	3005.2	3028.2
20°	3051.2	3054.7	3021.1	2982.2	2975.1	2976.9	2975.1	2985.7	3017.6	3049.4
22.5°	3056.5	3060.0	3028.2	2994.6	2989.2	2991.0	2989.2	2999.9	3029.9	3061.8
25°	3058.2	3063.5	3038.8	3012.2	3021.1	3024.6	3021.1	3022.9	3045.9	3074.2
27.5°	3084.8	3091.8	3068.8	3045.9	3051.2	3049.4	3054.7	3060.0	3077.7	3106.0
30°	3139.6	3144.9	3125.4	3102.5	3098.9	3086.5	3102.5	3120.1	3139.6	3164.4
32.5°	3229.8	3240.4	3215.7	3190.9	3175.0	3167.9	3180.3	3210.3	3236.9	3263.4
35°	3380.2	3387.2	3364.2	3318.2	3289.9	3289.9	3300.6	3339.5	3381.9	3415.5
37.5°	3592.4	3601.3	3560.6	3505.7	3463.3	3463.3	3477.4	3518.1	3581.8	3629.6
40°	3850.6	3863.0	3811.7	3755.1	3714.5	3707.4	3725.1	3771.1	3831.2	3891.3
42.5°	4162.0	4176.1	4108.9	4059.4	4027.5	4027.5	4036.4	4078.8	4133.7	4207.9
45°	4559.9	4584.7	4492.7	4443.2	4413.1	4420.2	4425.5	4462.6	4512.2	4597.1
47.5°	5034.0	5058.7	4961.4	4910.2	4904.8	4938.5	4917.2	4943.8	4970.3	5067.6
50°	5571.7	5614.1	5546.9	5543.4	5554.0	5615.9	5566.4	5580.5	5550.5	5612.4
52.5°	6229.7	6291.6	6279.2	6300.4	6418.9	6546.3	6433.1	6383.6	6270.3	6289.8
55°	7027.4	7121.1	7138.8	7266.2	7535.0	7795.0	7554.5	7354.6	7114.1	7069.8
57.5°	7934.8	8009.1	8094.0	8354.0	8856.3	9318.0	8856.3	8414.1	8035.6	7945.4
60°	8911.1	9003.1	9084.5	9468.3	10214.7	10863.9	10200.6	9498.4	8997.8	8875.8
62.5°	9960.0	10078.5	10135.1	10561.4	11431.7	12206.4	11444.1	10593.3	10037.9	9907.0
65°	10966.5	11063.8	11127.4	11582.0	12413.3	13189.8	12469.9	11631.5	11060.2	10888.7
67.5°	11435.2	11488.3	11643.9	12158.6	13036.0	13922.1	13184.5	12213.5	11574.9	11274.2
70°	10748.9	10641.0	11016.0	11840.3	13110.2	14371.4	13280.1	11815.5	11033.7	10545.5
72.5°	8306.2	8120.5	8771.4	10181.1	12261.2	14084.9	12346.1	10260.7	9176.5	8185.9
75°	4519.3	4308.8	5207.3	6990.2	9777.9	12208.2	10002.5	7190.1	5798.1	4485.6
77.5°	1275.3	1195.7	1920.9	3381.9	5881.2	8571.5	6107.6	3456.2	2278.2	1351.4
80°	390.9	378.5	512.9	1018.8	2497.5	4105.4	2400.2	1031.2	652.7	412.1
82.5°	231.7	212.3	254.7	371.4	636.8	1289.4	619.1	387.4	311.3	208.7
85°	132.7	123.8	150.3	180.4	214.0	274.2	178.6	184.0	166.3	111.4
87.5°	54.8	49.5	58.4	56.6	49.5	63.7	47.8	56.6	67.2	44.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
3104.2
3093.6
3054.7
3012.2
2992.8
2992.8
3005.2
3028.2
3051.2
3061.8
3072.4
3098.9
3159.1
3252.8
3403.1
3611.9
3871.9
4202.6
4593.5
5039.3
5575.2
6224.4
7000.9
7881.7
8769.6
9800.8
10803.8
11277.8
10662.2
8431.8
4777.5
1501.7
435.1
226.4
116.7
40.7
0.0

OF REPORT)