

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: P848831

Luminaire Tested: **GLAN-SB5C-830-U-5WQ**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P848831
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-830-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 80 CRI, 3000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 32857 lumens
Efficiency: N/A
Efficacy: 131.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

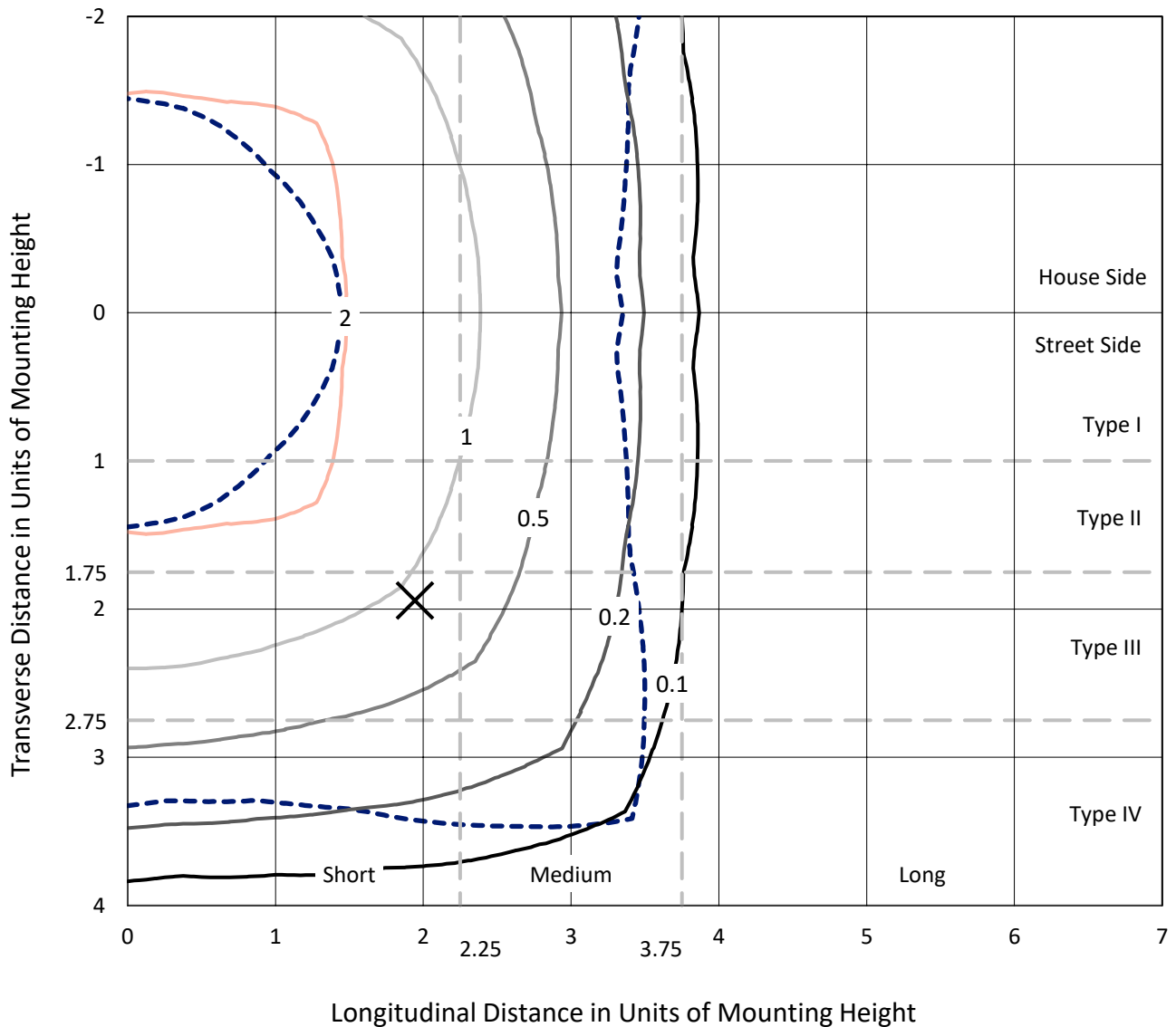
Input Watts (W): 249.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

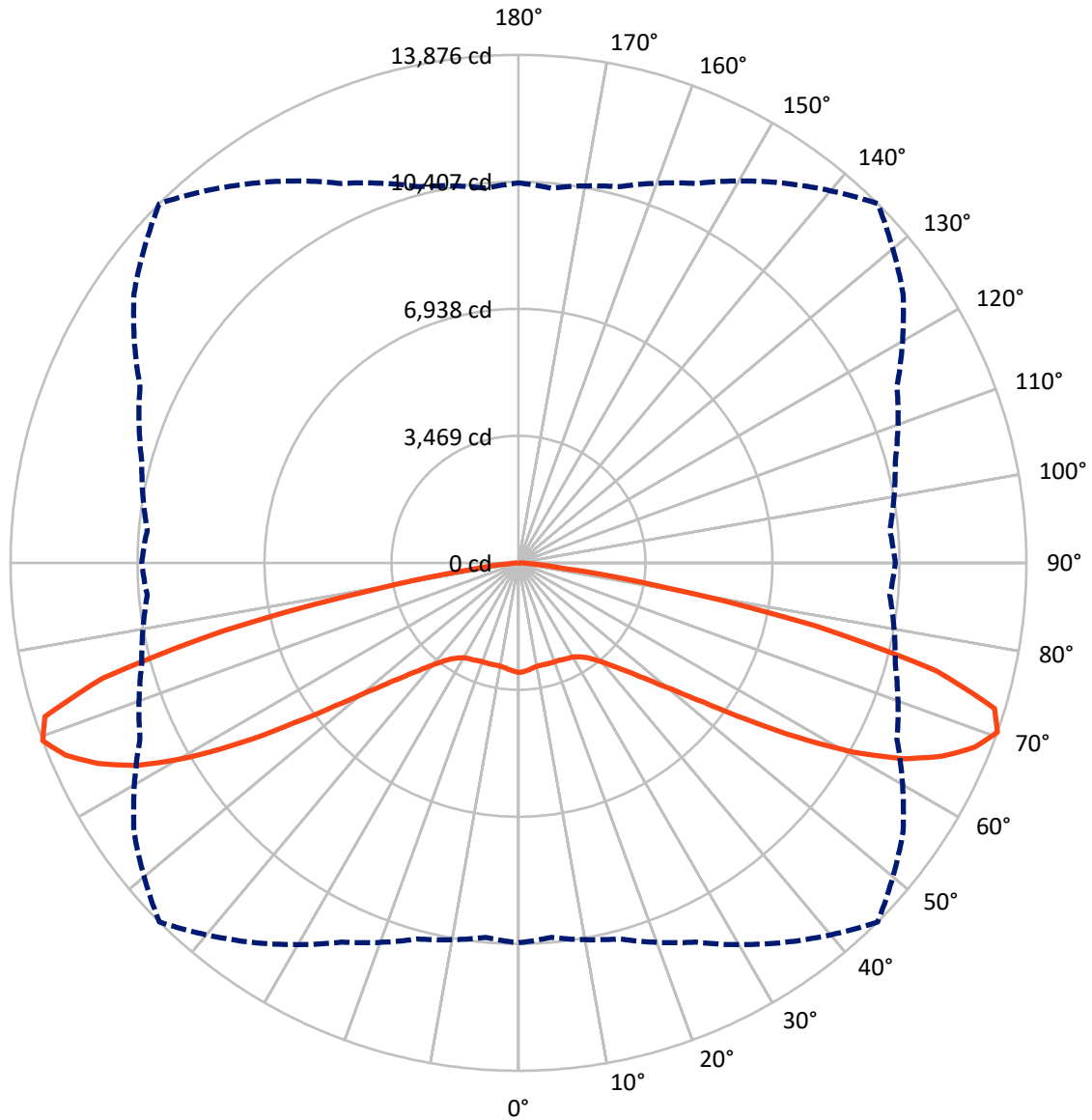
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.8 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	16428.5	0.0	16428.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	16428.5	0.0	16428.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	32857.0	0.0	32857.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	278.8	0.8
10°-20°	818.7	2.5
20°-30°	1362.4	4.1
30°-40°	2060.3	6.3
40°-50°	3423.8	10.4
50°-60°	6460.5	19.7
60°-70°	10908.8	33.2
70°-80°	7168.2	21.8
80°-90°	375.5	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°	32857.0	100.0
0°-180°	32857.0	100.0

Coefficient of Utilization

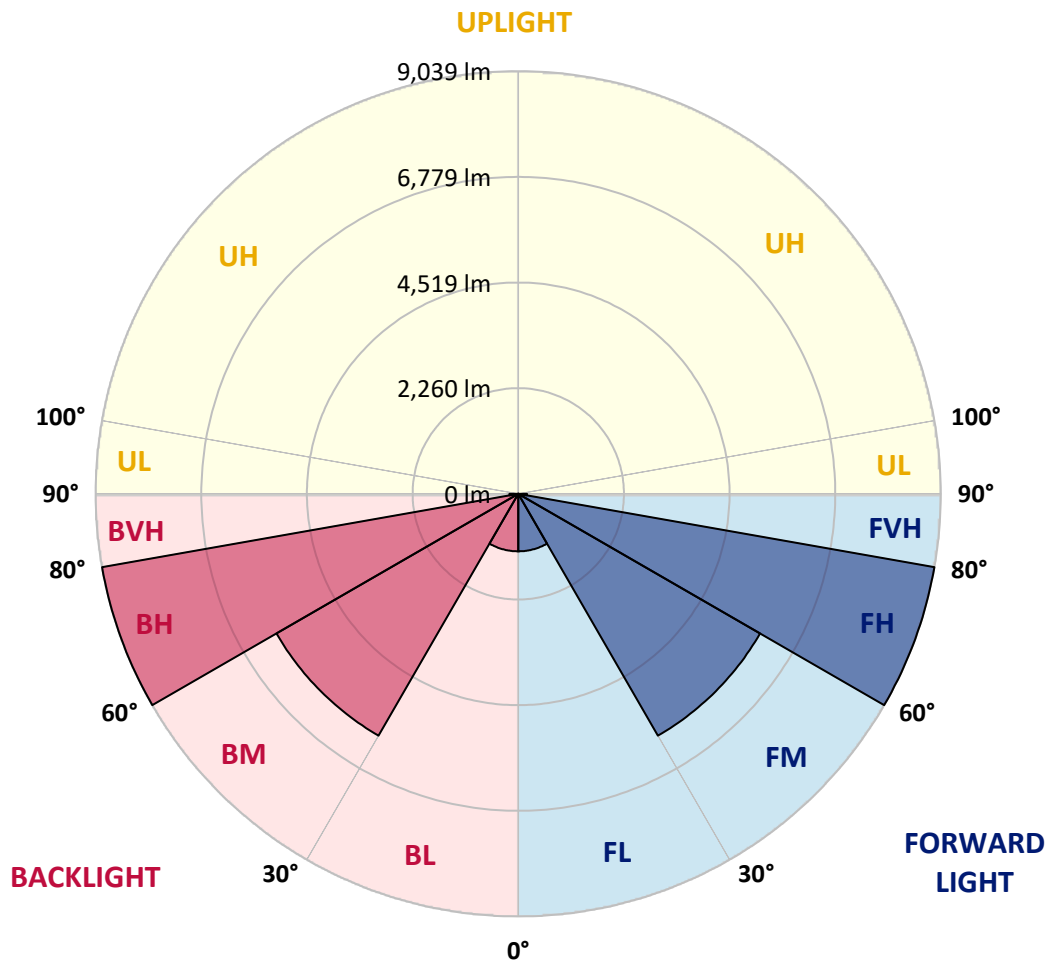


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1229.9	3.7			
FM (30°-60°)	5972.3	18.2			
FH (60°-80°)	9038.5	27.5			G4/12000
FVH (80°-90°)	187.8	0.6			G2/225
BL (0°-30°)	1229.9	3.7	B3/2500		
BM (30°-60°)	5972.3	18.2	B4/8500		
BH (60°-80°)	9038.5	27.5	B5		G4/12000
BVH (80°-90°)	187.8	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°	2997.2	2997.2	2997.2	2997.2	2997.2	2997.2	2997.2	2997.2	2997.2	2997.2
2.5°	2978.4	2987.0	2983.6	2976.7	2976.7	2971.6	2976.7	2980.1	2985.3	2988.7
5°	2939.2	2946.0	2944.3	2939.2	2940.9	2935.7	2939.2	2944.3	2947.7	2949.4
7.5°	2905.0	2911.8	2908.4	2899.9	2899.9	2894.8	2896.5	2901.6	2906.7	2908.4
10°	2896.5	2903.3	2893.0	2879.4	2874.3	2867.4	2869.1	2874.3	2884.5	2889.6
12.5°	2899.9	2905.0	2894.8	2874.3	2869.1	2862.3	2862.3	2867.4	2881.1	2887.9
15°	2910.1	2915.2	2899.9	2877.7	2872.5	2867.4	2865.7	2872.5	2887.9	2899.9
17.5°	2928.9	2934.0	2910.1	2879.4	2872.5	2874.3	2872.5	2877.7	2901.6	2923.8
20°	2946.0	2949.4	2917.0	2879.4	2872.5	2874.3	2872.5	2882.8	2913.5	2944.3
22.5°	2951.1	2954.5	2923.8	2891.3	2886.2	2887.9	2886.2	2896.5	2925.5	2956.2
25°	2952.8	2957.9	2934.0	2908.4	2917.0	2920.4	2917.0	2918.7	2940.9	2968.2
27.5°	2978.4	2985.3	2963.1	2940.9	2946.0	2944.3	2949.4	2954.5	2971.6	2998.9
30°	3031.4	3036.5	3017.7	2995.5	2992.1	2980.1	2995.5	3012.6	3031.4	3055.3
32.5°	3118.5	3128.7	3104.8	3080.9	3065.5	3058.7	3070.7	3099.7	3125.3	3150.9
35°	3263.6	3270.5	3248.3	3203.9	3176.5	3176.5	3186.8	3224.4	3265.3	3297.8
37.5°	3468.6	3477.1	3437.8	3384.9	3343.9	3343.9	3357.6	3396.8	3458.3	3504.4
40°	3717.9	3729.9	3680.3	3625.7	3586.4	3579.6	3596.7	3641.1	3699.1	3757.2
42.5°	4018.5	4032.2	3967.3	3919.4	3888.7	3888.7	3897.2	3938.2	3991.2	4062.9
45°	4402.8	4426.7	4337.9	4290.0	4261.0	4267.8	4273.0	4308.8	4356.6	4438.6
47.5°	4860.4	4884.4	4790.4	4740.9	4735.8	4768.2	4747.7	4773.4	4799.0	4892.9
50°	5379.6	5420.6	5355.7	5352.3	5362.5	5422.3	5374.5	5388.2	5359.1	5418.9
52.5°	6014.9	6074.7	6062.8	6083.2	6197.7	6320.6	6211.3	6163.5	6054.2	6073.0
55°	6785.2	6875.7	6892.8	7015.7	7275.3	7526.4	7294.1	7101.1	6868.8	6826.1
57.5°	7661.3	7733.0	7815.0	8066.0	8551.0	8996.8	8551.0	8124.1	7758.6	7671.5
60°	8604.0	8692.8	8771.4	9141.9	9862.6	10489.4	9849.0	9171.0	8687.7	8569.8
62.5°	9616.7	9731.1	9785.8	10197.4	11037.6	11785.6	11049.6	10228.1	9691.9	9565.5
65°	10588.5	10682.4	10743.9	11182.8	11985.5	12735.2	12040.1	11230.6	10679.0	10513.3
67.5°	11041.0	11092.3	11242.6	11739.5	12586.6	13442.2	12730.1	11792.5	11176.0	10885.6
70°	10378.4	10274.2	10636.3	11432.1	12658.3	13876.0	12822.3	11408.2	10653.4	10182.0
72.5°	8019.9	7840.6	8469.1	9830.2	11838.6	13599.4	11920.6	9907.1	8860.2	7903.8
75°	4363.5	4160.2	5027.8	6749.3	9440.8	11787.4	9657.7	6942.3	5598.2	4331.0
77.5°	1231.3	1154.5	1854.7	3265.3	5678.5	8276.1	5897.1	3337.1	2199.7	1304.8
80°	377.4	365.5	495.3	983.7	2411.4	3963.8	2317.5	995.7	630.2	397.9
82.5°	223.7	204.9	245.9	358.6	614.8	1245.0	597.7	374.0	300.6	201.5
85°	128.1	119.5	145.2	174.2	206.6	264.7	172.5	177.6	160.5	107.6
87.5°	52.9	47.8	56.4	54.7	47.8	61.5	46.1	54.7	64.9	42.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
2997.2
2987.0
2949.4
2908.4
2889.6
2889.6
2901.6
2923.8
2946.0
2956.2
2966.5
2992.1
3050.2
3140.7
3285.8
3487.4
3738.4
4057.8
4435.2
4865.6
5383.0
6009.8
6759.5
7610.0
8467.4
9463.0
10431.4
10889.0
10294.7
8141.2
4612.8
1449.9
420.1
218.6
112.7
39.3
0.0

OF REPORT)