

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: P848951

Luminaire Tested: **GLAN-SB5D-735-U-5WQ**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P848951
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-SB5D-735-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 70 CRI, 3500K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 51023 lumens
Efficiency: N/A
Efficacy: 139.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G5

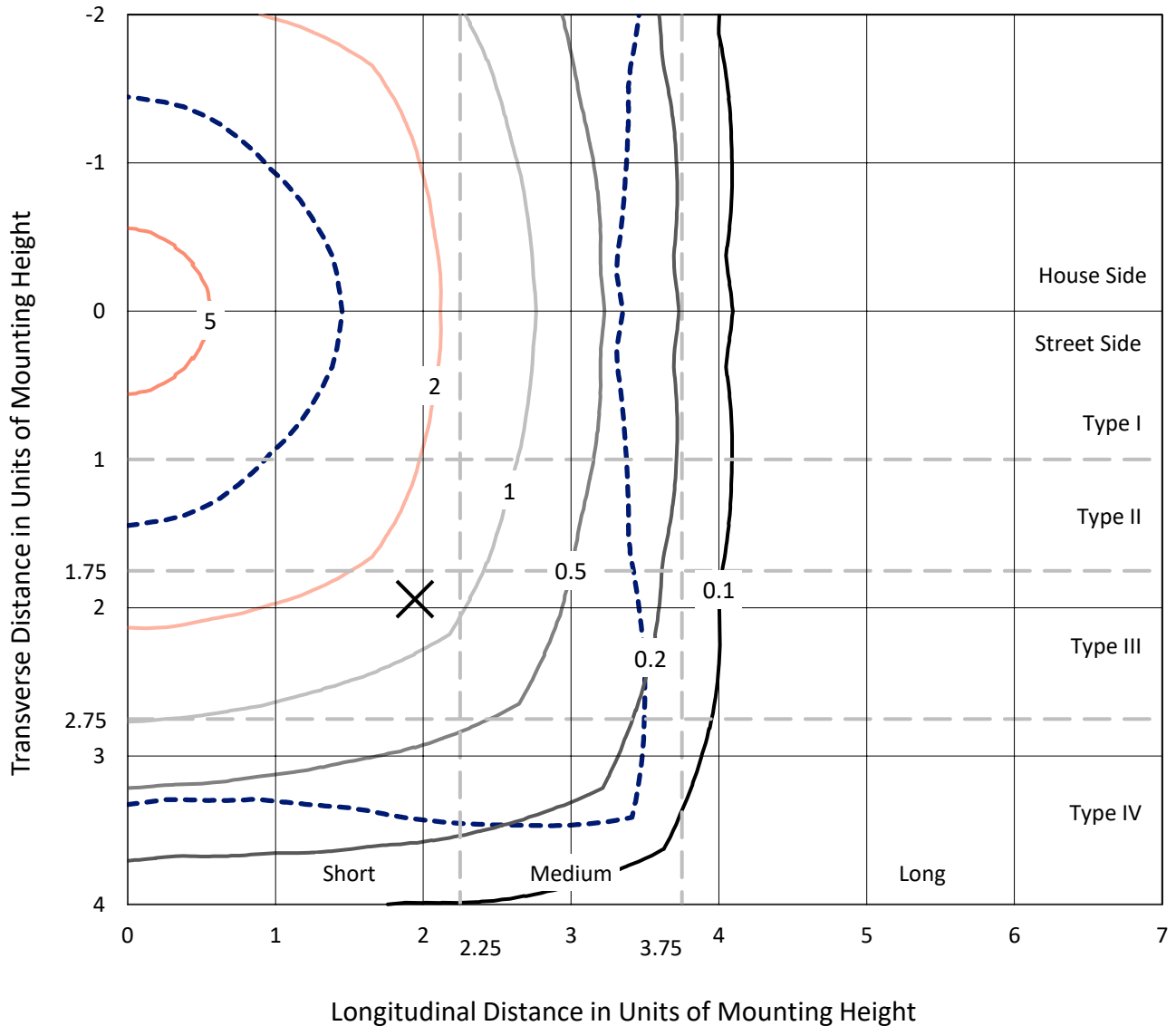
Input Watts (W): 364.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

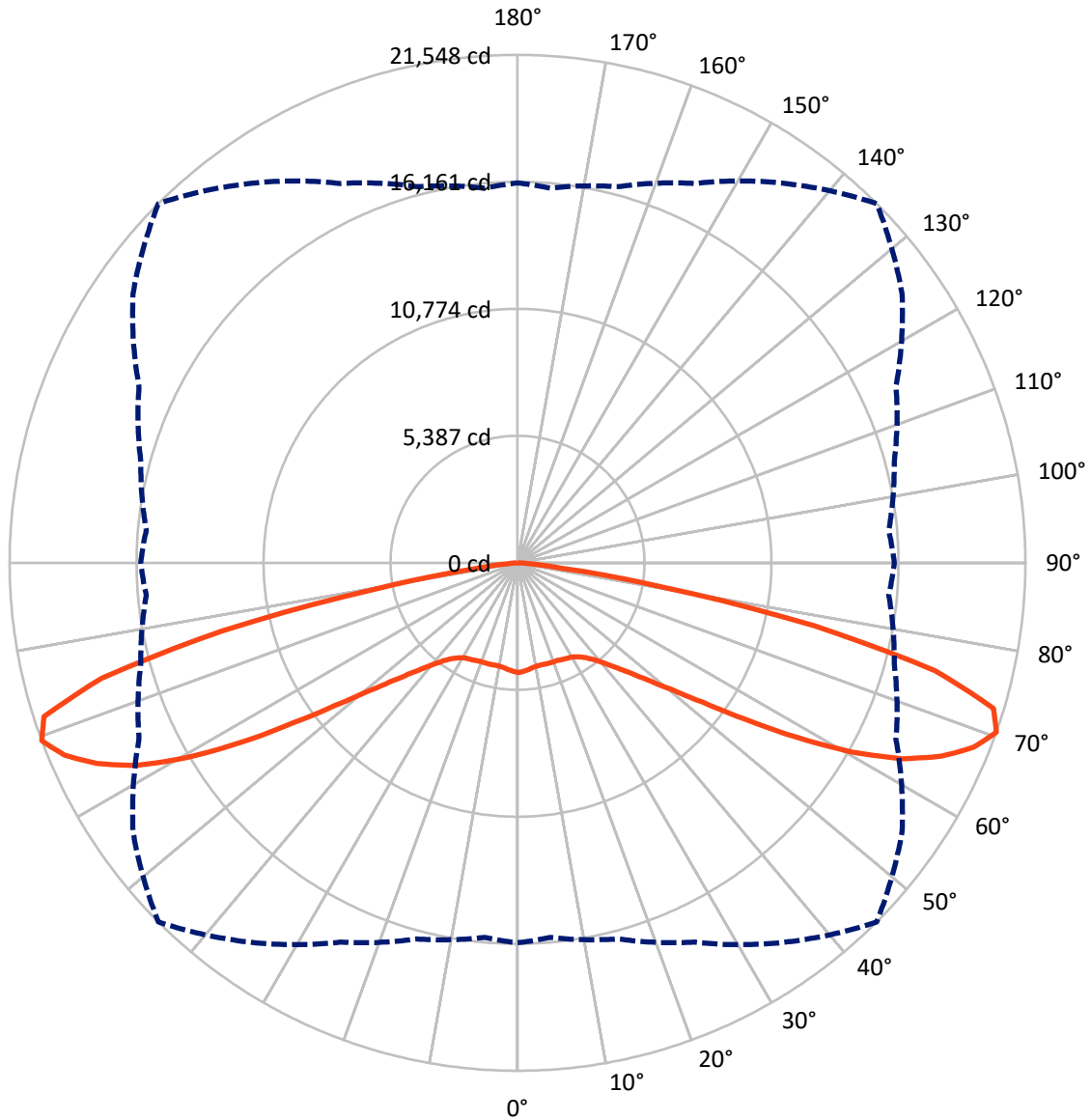
✕ Max cd
 - - - 1/2 Max cd



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	25511.5	0.0	25511.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	25511.5	0.0	25511.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	51023.0	0.0	51023.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	433.0	0.8
10°-20°	1271.3	2.5
20°-30°	2115.6	4.1
30°-40°	3199.4	6.3
40°-50°	5316.7	10.4
50°-60°	10032.4	19.7
60°-70°	16940.1	33.2
70°-80°	11131.4	21.8
80°-90°	583.2	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°	51023.0	100.0
0°-180°	51023.0	100.0

Coefficient of Utilization

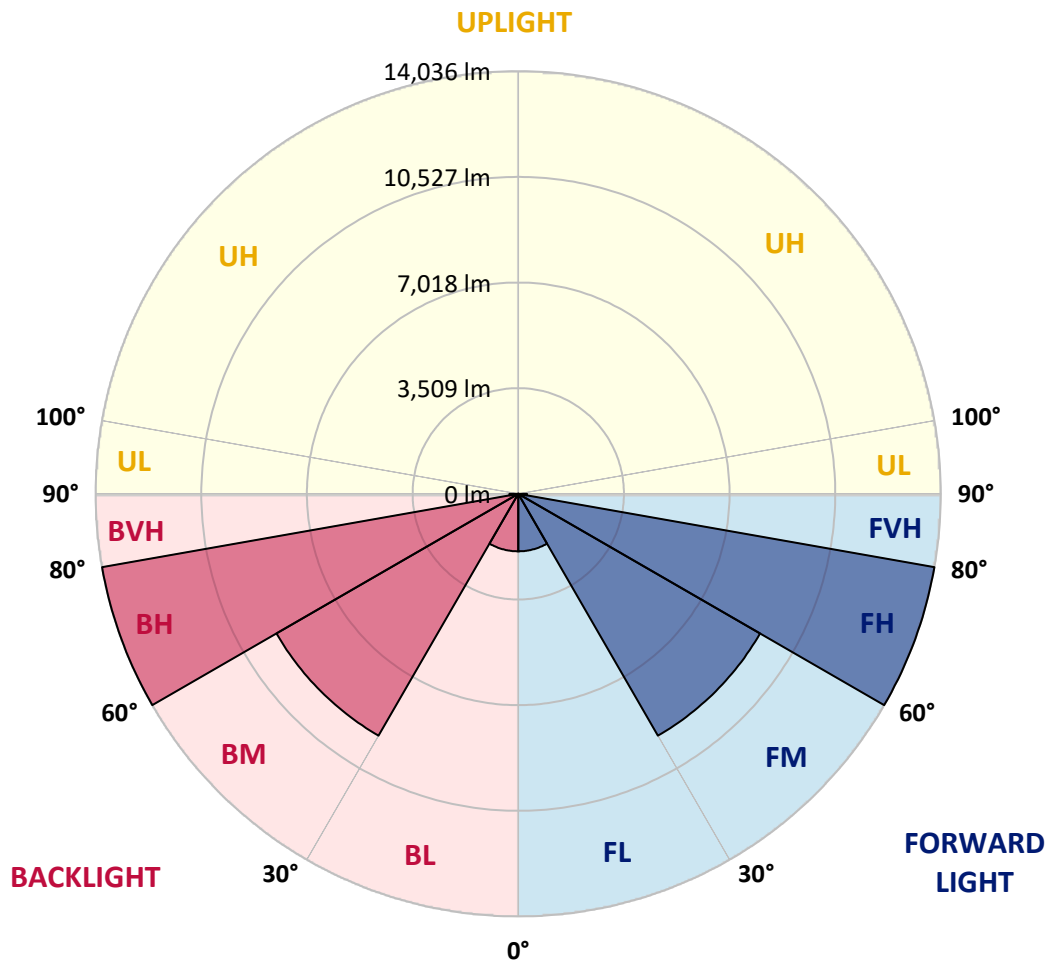


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1909.9	3.7			
FM (30°-60°)	9274.2	18.2			
FH (60°-80°)	14035.7	27.5			G5
FVH (80°-90°)	291.6	0.6			G3/500
BL (0°-30°)	1909.9	3.7	B3/2500		
BM (30°-60°)	9274.2	18.2	B5		
BH (60°-80°)	14035.7	27.5	B5		G5
BVH (80°-90°)	291.6	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°	4654.3	4654.3	4654.3	4654.3	4654.3	4654.3	4654.3	4654.3	4654.3	4654.3
2.5°	4625.2	4638.4	4633.1	4622.5	4622.5	4614.5	4622.5	4627.8	4635.8	4641.1
5°	4564.2	4574.8	4572.1	4564.2	4566.8	4558.9	4564.2	4572.1	4577.4	4580.1
7.5°	4511.1	4521.7	4516.4	4503.2	4503.2	4495.2	4497.9	4505.8	4513.8	4516.4
10°	4497.9	4508.5	4492.6	4471.3	4463.4	4452.8	4455.4	4463.4	4479.3	4487.2
12.5°	4503.2	4511.1	4495.2	4463.4	4455.4	4444.8	4444.8	4452.8	4474.0	4484.6
15°	4519.1	4527.0	4503.2	4468.7	4460.7	4452.8	4450.1	4460.7	4484.6	4503.2
17.5°	4548.2	4556.2	4519.1	4471.3	4460.7	4463.4	4460.7	4468.7	4505.8	4540.3
20°	4574.8	4580.1	4529.7	4471.3	4460.7	4463.4	4460.7	4476.6	4524.4	4572.1
22.5°	4582.7	4588.0	4540.3	4489.9	4481.9	4484.6	4481.9	4497.9	4542.9	4590.7
25°	4585.4	4593.3	4556.2	4516.4	4529.7	4535.0	4529.7	4532.3	4566.8	4609.2
27.5°	4625.2	4635.8	4601.3	4566.8	4574.8	4572.1	4580.1	4588.0	4614.5	4657.0
30°	4707.4	4715.3	4686.1	4651.7	4646.4	4627.8	4651.7	4678.2	4707.4	4744.5
32.5°	4842.6	4858.5	4821.4	4784.3	4760.4	4749.8	4768.4	4813.4	4853.2	4893.0
35°	5068.0	5078.7	5044.2	4975.2	4932.8	4932.8	4948.7	5007.0	5070.7	5121.1
37.5°	5386.3	5399.5	5338.6	5256.3	5192.7	5192.7	5213.9	5274.9	5370.4	5442.0
40°	5773.5	5792.0	5715.1	5630.3	5569.3	5558.7	5585.2	5654.1	5744.3	5834.5
42.5°	6240.2	6261.5	6160.7	6086.4	6038.7	6038.7	6051.9	6115.6	6197.8	6309.2
45°	6837.0	6874.1	6736.2	6661.9	6616.8	6627.4	6635.4	6691.1	6765.3	6892.6
47.5°	7547.7	7584.8	7439.0	7362.1	7354.1	7404.5	7372.7	7412.4	7452.2	7598.1
50°	8353.9	8417.6	8316.8	8311.5	8327.4	8420.2	8346.0	8367.2	8322.1	8414.9
52.5°	9340.5	9433.3	9414.7	9446.6	9624.2	9815.2	9645.5	9571.2	9401.5	9430.6
55°	10536.5	10677.1	10703.6	10894.6	11297.7	11687.5	11326.8	11027.2	10666.5	10600.2
57.5°	11897.0	12008.4	12135.7	12525.6	13278.7	13970.9	13278.7	12615.7	12048.2	11913.0
60°	13361.0	13498.9	13620.9	14196.4	15315.5	16288.8	15294.3	14241.4	13490.9	13307.9
62.5°	14933.6	15111.3	15196.2	15835.3	17140.1	18301.7	17158.7	15883.0	15050.3	14854.1
65°	16442.6	16588.5	16684.0	17365.5	18612.0	19776.2	18696.9	17439.8	16583.2	16325.9
67.5°	17145.4	17225.0	17458.4	18230.1	19545.5	20874.2	19768.3	18312.3	17354.9	16904.1
70°	16116.4	15954.7	16516.9	17752.7	19656.9	21547.8	19911.5	17715.6	16543.4	15811.4
72.5°	12454.0	12175.5	13151.5	15265.1	18383.9	21118.2	18511.2	15384.5	13758.8	12273.6
75°	6776.0	6460.4	7807.6	10480.9	14660.5	18304.4	14997.3	10780.5	8693.4	6725.6
77.5°	1912.1	1792.8	2880.1	5070.7	8818.0	12851.8	9157.5	5182.1	3415.8	2026.2
80°	586.1	567.5	769.1	1527.6	3744.7	6155.4	3598.8	1546.1	978.6	617.9
82.5°	347.4	318.2	381.9	556.9	954.7	1933.3	928.2	580.8	466.8	312.9
85°	198.9	185.6	225.4	270.5	320.9	411.1	267.9	275.8	249.3	167.1
87.5°	82.2	74.3	87.5	84.9	74.3	95.5	71.6	84.9	100.8	66.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
4654.3
4638.4
4580.1
4516.4
4487.2
4487.2
4505.8
4540.3
4574.8
4590.7
4606.6
4646.4
4736.5
4877.1
5102.5
5415.5
5805.3
6301.2
6887.3
7555.7
8359.2
9332.5
10496.8
11817.5
13148.8
14694.9
16198.6
16909.4
15986.5
12642.3
7163.2
2251.6
652.4
339.5
175.0
61.0
0.0

OF REPORT)