

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: P849291

Luminaire Tested: **GLAN-SB6B-735-U-5WQ**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P849291
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-SB6B-735-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 3500K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 33894 lumens
Efficiency: N/A
Efficacy: 153.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

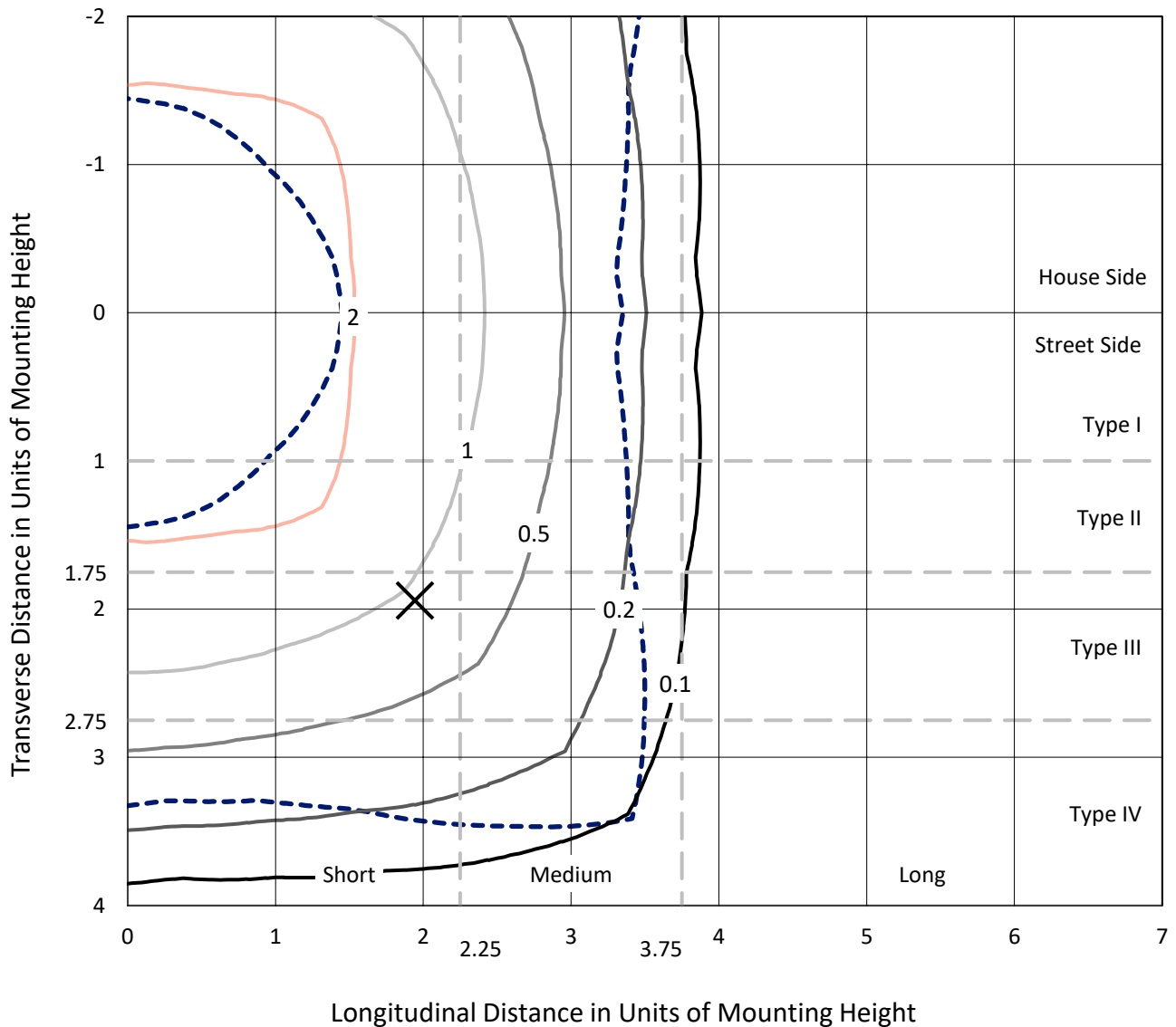
Input Watts (W): 220.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

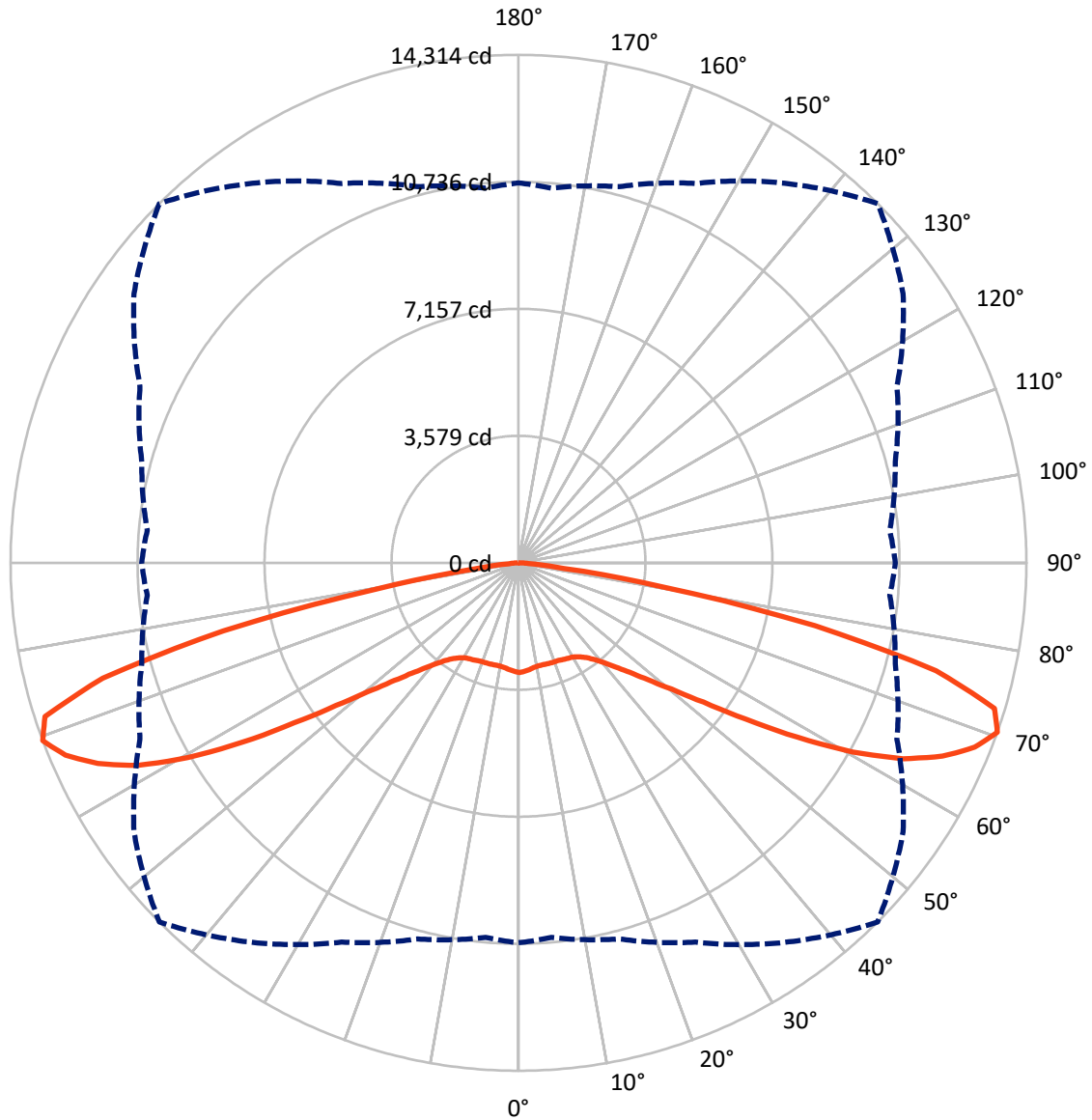
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.9 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	16947.0	0.0	16947.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	16947.0	0.0	16947.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	33894.0	0.0	33894.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	287.6	0.8
10°-20°	844.5	2.5
20°-30°	1405.4	4.1
30°-40°	2125.3	6.3
40°-50°	3531.8	10.4
50°-60°	6664.4	19.7
60°-70°	11253.1	33.2
70°-80°	7394.5	21.8
80°-90°	387.4	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°	33894.0	100.0
0°-180°	33894.0	100.0

Coefficient of Utilization

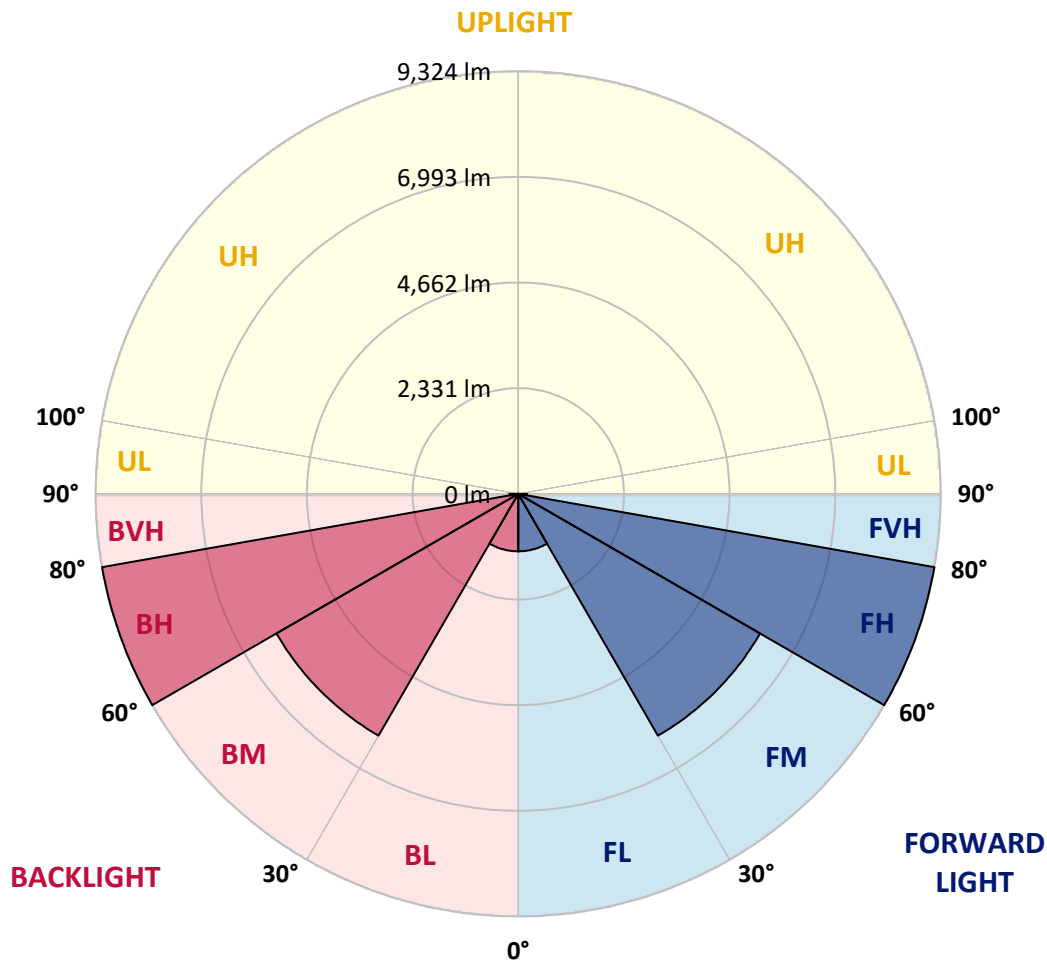


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1268.7	3.7			
FM	(30°-60°)	6160.8	18.2			
FH	(60°-80°)	9323.8	27.5			G4/12000
FVH	(80°-90°)	193.7	0.6			G2/225
BL	(0°-30°)	1268.7	3.7	B3/2500		
BM	(30°-60°)	6160.8	18.2	B4/8500		
BH	(60°-80°)	9323.8	27.5	B5		G4/12000
BVH	(80°-90°)	193.7	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°	3091.8	3091.8	3091.8	3091.8	3091.8	3091.8	3091.8	3091.8	3091.8	3091.8
2.5°	3072.4	3081.2	3077.7	3070.7	3070.7	3065.4	3070.7	3074.2	3079.5	3083.0
5°	3031.9	3039.0	3037.2	3031.9	3033.7	3028.4	3031.9	3037.2	3040.7	3042.5
7.5°	2996.7	3003.7	3000.2	2991.4	2991.4	2986.1	2987.9	2993.2	2998.4	3000.2
10°	2987.9	2994.9	2984.4	2970.3	2965.0	2957.9	2959.7	2965.0	2975.5	2980.8
12.5°	2991.4	2996.7	2986.1	2965.0	2959.7	2952.6	2952.6	2957.9	2972.0	2979.1
15°	3002.0	3007.3	2991.4	2968.5	2963.2	2957.9	2956.2	2963.2	2979.1	2991.4
17.5°	3021.3	3026.6	3002.0	2970.3	2963.2	2965.0	2963.2	2968.5	2993.2	3016.1
20°	3039.0	3042.5	3009.0	2970.3	2963.2	2965.0	2963.2	2973.8	3005.5	3037.2
22.5°	3044.2	3047.8	3016.1	2982.6	2977.3	2979.1	2977.3	2987.9	3017.8	3049.5
25°	3046.0	3051.3	3026.6	3000.2	3009.0	3012.5	3009.0	3010.8	3033.7	3061.9
27.5°	3072.4	3079.5	3056.6	3033.7	3039.0	3037.2	3042.5	3047.8	3065.4	3093.6
30°	3127.0	3132.3	3113.0	3090.1	3086.5	3074.2	3090.1	3107.7	3127.0	3151.7
32.5°	3216.9	3227.5	3202.8	3178.1	3162.3	3155.2	3167.6	3197.5	3223.9	3250.4
35°	3366.6	3373.7	3350.8	3305.0	3276.8	3276.8	3287.4	3326.1	3368.4	3401.9
37.5°	3578.0	3586.9	3546.3	3491.7	3449.4	3449.4	3463.5	3504.1	3567.5	3615.0
40°	3835.3	3847.6	3796.5	3740.1	3699.6	3692.6	3710.2	3756.0	3815.9	3875.8
42.5°	4145.3	4159.4	4092.5	4043.1	4011.4	4011.4	4020.2	4062.5	4117.1	4191.1
45°	4541.7	4566.4	4474.8	4425.4	4395.5	4402.5	4407.8	4444.8	4494.1	4578.7
47.5°	5013.8	5038.5	4941.6	4890.5	4885.2	4918.7	4897.6	4924.0	4950.4	5047.3
50°	5549.4	5591.7	5524.7	5521.2	5531.8	5593.5	5544.1	5558.2	5528.3	5589.9
52.5°	6204.8	6266.4	6254.1	6275.2	6393.3	6520.1	6407.4	6358.0	6245.3	6264.7
55°	6999.3	7092.7	7110.3	7237.1	7504.9	7763.9	7524.3	7325.2	7085.6	7041.6
57.5°	7903.1	7977.1	8061.6	8320.6	8820.9	9280.7	8820.9	8380.5	8003.5	7913.6
60°	8875.5	8967.1	9048.2	9430.5	10173.9	10820.5	10159.8	9460.4	8961.9	8840.3
62.5°	9920.2	10038.3	10094.6	10519.2	11386.0	12157.6	11398.3	10550.9	9997.8	9867.4
65°	10922.7	11019.5	11083.0	11535.7	12363.7	13137.1	12420.1	11585.1	11016.0	10845.1
67.5°	11389.5	11442.4	11597.4	12110.1	12983.9	13866.5	13131.8	12164.7	11528.7	11229.2
70°	10706.0	10598.5	10972.0	11792.9	13057.9	14314.0	13227.0	11768.3	10989.6	10503.4
72.5°	8273.0	8088.0	8736.4	10140.4	12212.2	14028.6	12296.8	10219.7	9139.8	8153.2
75°	4501.2	4291.5	5186.5	6962.3	9738.8	12159.4	9962.5	7161.4	5774.9	4467.7
77.5°	1270.2	1190.9	1913.2	3368.4	5857.7	8537.3	6083.2	3442.4	2269.1	1346.0
80°	389.3	377.0	510.9	1014.7	2487.5	4088.9	2390.7	1027.1	650.1	410.5
82.5°	230.8	211.4	253.7	370.0	634.2	1284.3	616.6	385.8	310.1	207.9
85°	132.1	123.3	149.7	179.7	213.2	273.1	177.9	183.2	165.6	111.0
87.5°	54.6	49.3	58.1	56.4	49.3	63.4	47.6	56.4	66.9	44.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
3091.8
3081.2
3042.5
3000.2
2980.8
2980.8
2993.2
3016.1
3039.0
3049.5
3060.1
3086.5
3146.4
3239.8
3389.5
3597.4
3856.4
4185.8
4575.2
5019.1
5552.9
6199.5
6972.9
7850.2
8734.6
9761.7
10760.6
11232.7
10619.6
8398.1
4758.4
1495.7
433.4
225.5
116.3
40.5
0.0

OF REPORT)