

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: P850481

Luminaire Tested: **GLAN-SB8A-735-U-5WQ**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P850481
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-SB8A-735-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 70 CRI, 3500K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 36004 lumens
Efficiency: N/A
Efficacy: 158.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

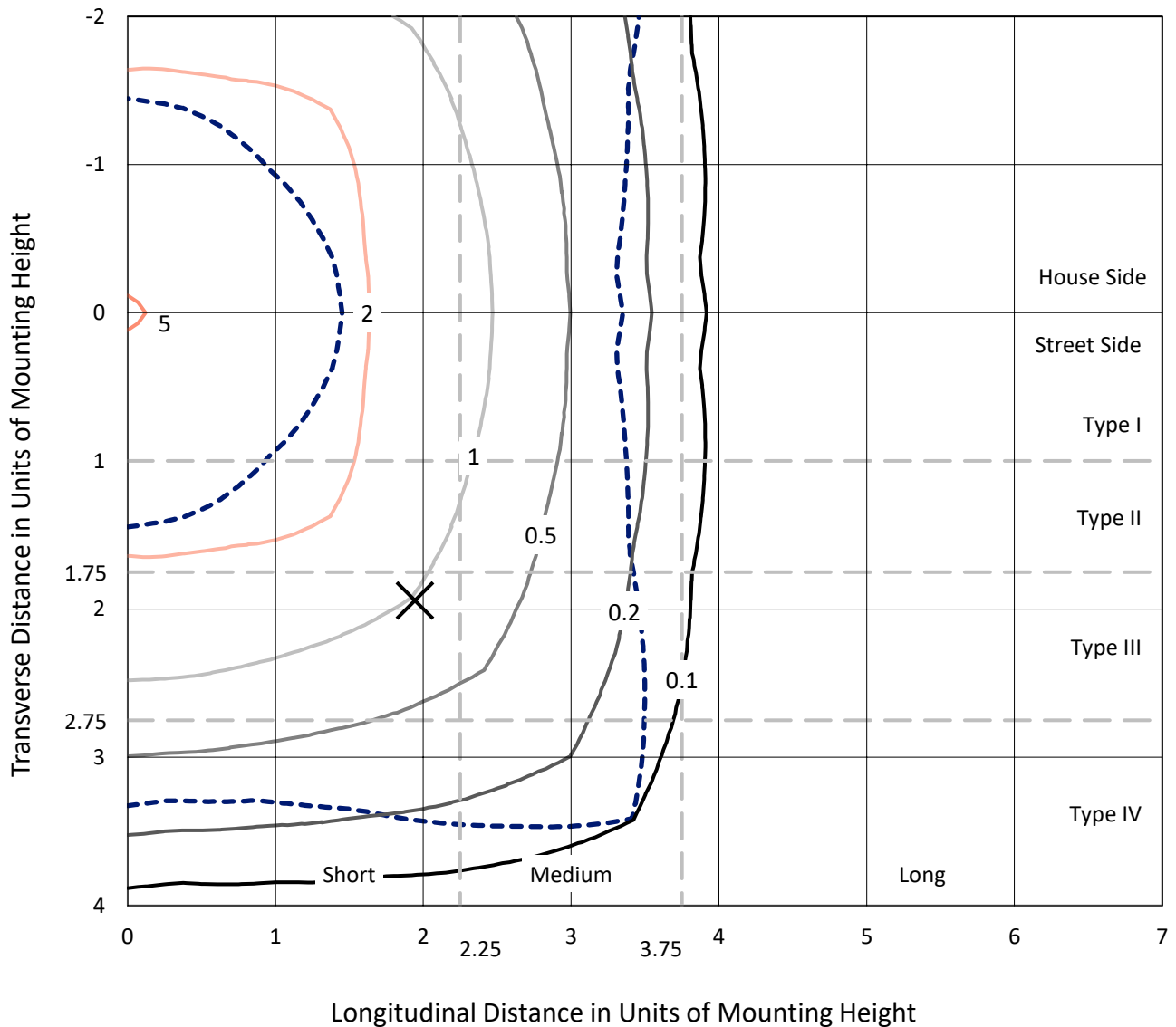
Input Watts (W): 227.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

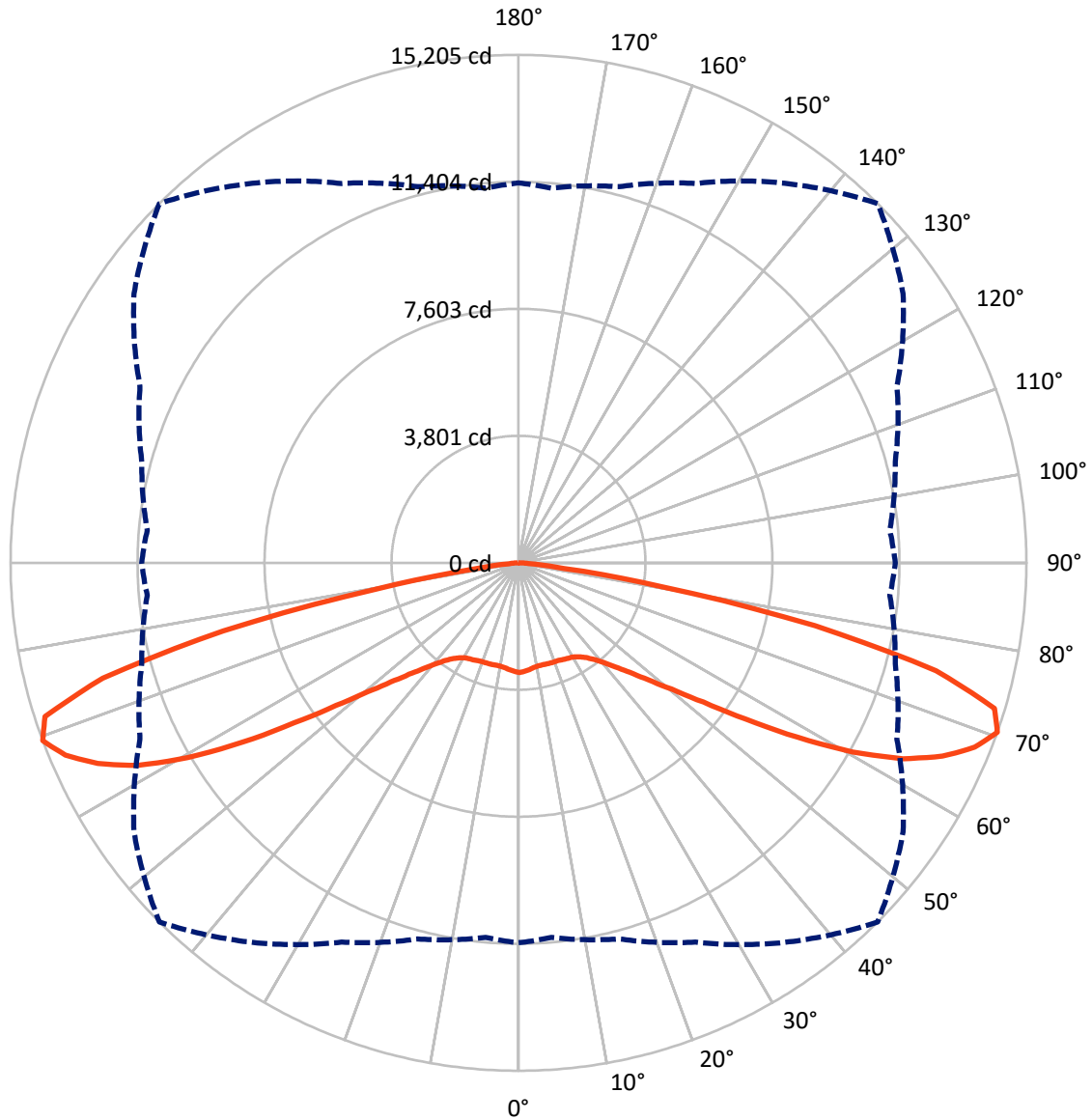
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.3 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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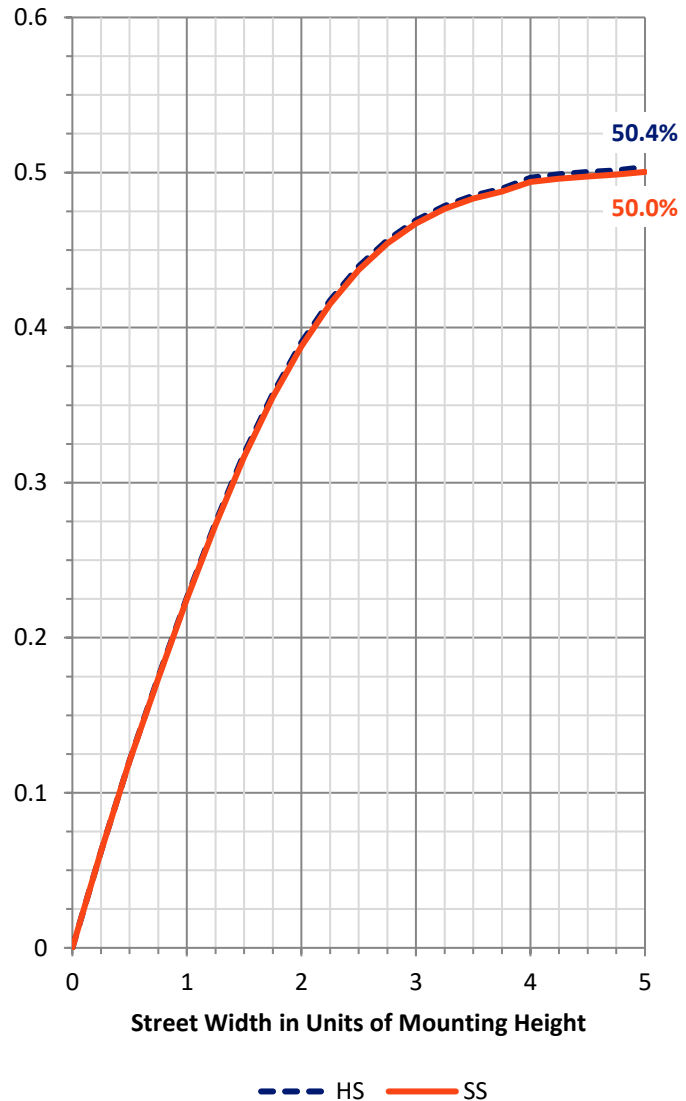
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	18002.0	0.0	18002.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	18002.0	0.0	18002.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	36004.0	0.0	36004.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	305.5	0.8
10°-20°	897.1	2.5
20°-30°	1492.9	4.1
30°-40°	2257.7	6.3
40°-50°	3751.7	10.4
50°-60°	7079.3	19.7
60°-70°	11953.7	33.2
70°-80°	7854.8	21.8
80°-90°	411.5	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°	36004.0	100.0
0°-180°	36004.0	100.0

Coefficient of Utilization



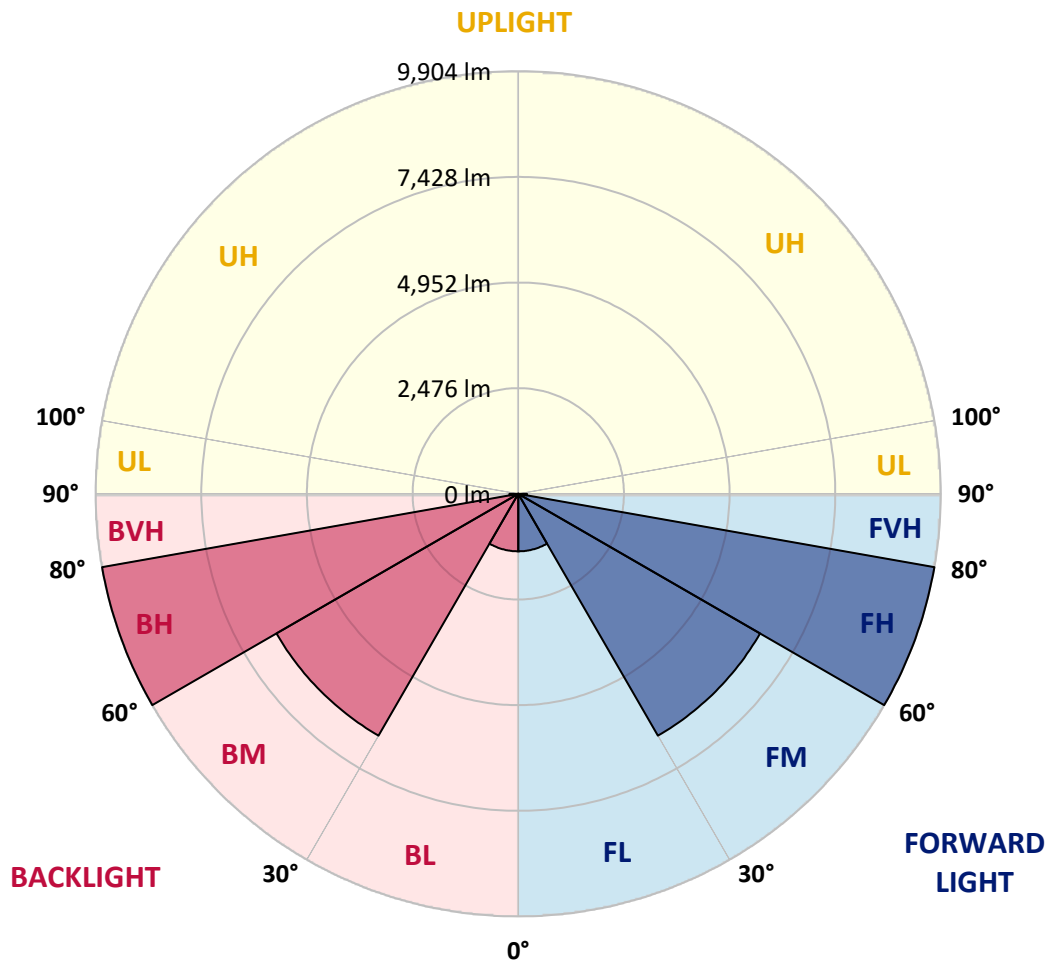
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1347.7	3.7			
FM (30°-60°)	6544.3	18.2			
FH (60°-80°)	9904.2	27.5			G4/12000
FVH (80°-90°)	205.8	0.6			G2/225
BL (0°-30°)	1347.7	3.7	B3/2500		
BM (30°-60°)	6544.3	18.2	B4/8500		
BH (60°-80°)	9904.2	27.5	B5		G4/12000
BVH (80°-90°)	205.8	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°	3284.3	3284.3	3284.3	3284.3	3284.3	3284.3	3284.3	3284.3	3284.3	3284.3
2.5°	3263.7	3273.1	3269.3	3261.8	3261.8	3256.2	3261.8	3265.6	3271.2	3274.9
5°	3220.7	3228.1	3226.3	3220.7	3222.5	3216.9	3220.7	3226.3	3230.0	3231.9
7.5°	3183.2	3190.7	3187.0	3177.6	3177.6	3172.0	3173.9	3179.5	3185.1	3187.0
10°	3173.9	3181.4	3170.1	3155.2	3149.5	3142.1	3143.9	3149.5	3160.8	3166.4
12.5°	3177.6	3183.2	3172.0	3149.5	3143.9	3136.4	3136.4	3142.1	3157.0	3164.5
15°	3188.8	3194.5	3177.6	3153.3	3147.7	3142.1	3140.2	3147.7	3164.5	3177.6
17.5°	3209.4	3215.0	3188.8	3155.2	3147.7	3149.5	3147.7	3153.3	3179.5	3203.8
20°	3228.1	3231.9	3196.3	3155.2	3147.7	3149.5	3147.7	3158.9	3192.6	3226.3
22.5°	3233.8	3237.5	3203.8	3168.3	3162.6	3164.5	3162.6	3173.9	3205.7	3239.4
25°	3235.6	3241.2	3215.0	3187.0	3196.3	3200.1	3196.3	3198.2	3222.5	3252.5
27.5°	3263.7	3271.2	3246.9	3222.5	3228.1	3226.3	3231.9	3237.5	3256.2	3286.2
30°	3321.7	3327.3	3306.7	3282.4	3278.7	3265.6	3282.4	3301.1	3321.7	3347.9
32.5°	3417.2	3428.4	3402.2	3376.0	3359.1	3351.7	3364.8	3396.6	3424.6	3452.7
35°	3576.2	3583.7	3559.4	3510.7	3480.8	3480.8	3492.0	3533.2	3578.1	3613.7
37.5°	3800.8	3810.2	3767.1	3709.1	3664.2	3664.2	3679.2	3722.2	3789.6	3840.1
40°	4074.0	4087.1	4032.8	3973.0	3929.9	3922.4	3941.1	3989.8	4053.4	4117.1
42.5°	4403.4	4418.4	4347.2	4294.8	4261.2	4261.2	4270.5	4315.4	4373.4	4452.0
45°	4824.4	4850.6	4753.3	4700.9	4669.1	4676.6	4682.2	4721.5	4773.9	4863.7
47.5°	5326.0	5352.2	5249.2	5195.0	5189.4	5224.9	5202.5	5230.5	5258.6	5361.5
50°	5894.9	5939.8	5868.7	5864.9	5876.2	5941.7	5889.3	5904.2	5872.4	5937.9
52.5°	6591.0	6656.5	6643.4	6665.9	6791.3	6926.0	6806.2	6753.8	6634.1	6654.7
55°	7435.0	7534.2	7552.9	7687.7	7972.1	8247.2	7992.7	7781.2	7526.7	7479.9
57.5°	8395.1	8473.7	8563.5	8838.6	9370.1	9858.5	9370.1	8902.2	8501.7	8406.3
60°	9428.1	9525.4	9611.5	10017.6	10807.3	11494.1	10792.3	10049.4	9519.8	9390.6
62.5°	10537.8	10663.2	10723.1	11174.1	12094.8	12914.5	12107.9	11207.8	10620.1	10481.7
65°	11602.6	11705.5	11772.9	12253.9	13133.4	13955.0	13193.3	12306.3	11701.8	11520.3
67.5°	12098.5	12154.7	12319.4	12863.9	13792.1	14729.7	13949.3	12921.9	12246.4	11928.2
70°	11372.4	11258.3	11655.0	12527.1	13870.7	15205.0	14050.4	12500.9	11673.7	11157.2
72.5°	8788.0	8591.6	9280.2	10771.7	12972.5	14901.9	13062.3	10855.9	9708.8	8660.8
75°	4781.4	4558.7	5509.4	7395.7	10345.0	12916.3	10582.7	7607.2	6134.4	4745.8
77.5°	1349.3	1265.1	2032.3	3578.1	6222.4	9068.8	6461.9	3656.7	2410.4	1429.7
80°	413.6	400.5	542.7	1077.9	2642.4	4343.5	2539.5	1091.0	690.5	436.0
82.5°	245.2	224.6	269.5	393.0	673.7	1364.2	655.0	409.8	329.4	220.8
85°	140.4	131.0	159.1	190.9	226.4	290.1	189.0	194.6	175.9	117.9
87.5°	58.0	52.4	61.8	59.9	52.4	67.4	50.5	59.9	71.1	46.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
3284.3
3273.1
3231.9
3187.0
3166.4
3166.4
3179.5
3203.8
3228.1
3239.4
3250.6
3278.7
3342.3
3441.5
3600.6
3821.4
4096.5
4446.4
4860.0
5331.6
5898.6
6585.4
7407.0
8338.9
9278.4
10369.4
11430.5
11932.0
11280.7
8920.9
5054.6
1588.8
460.4
239.5
123.5
43.0
0.0

OF REPORT)