

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: P850471

Luminaire Tested: **GLAN-SB8A-730-U-5WQ**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P850471
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-730-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 70 CRI, 3000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 35442 lumens
Efficiency: N/A
Efficacy: 156.1 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

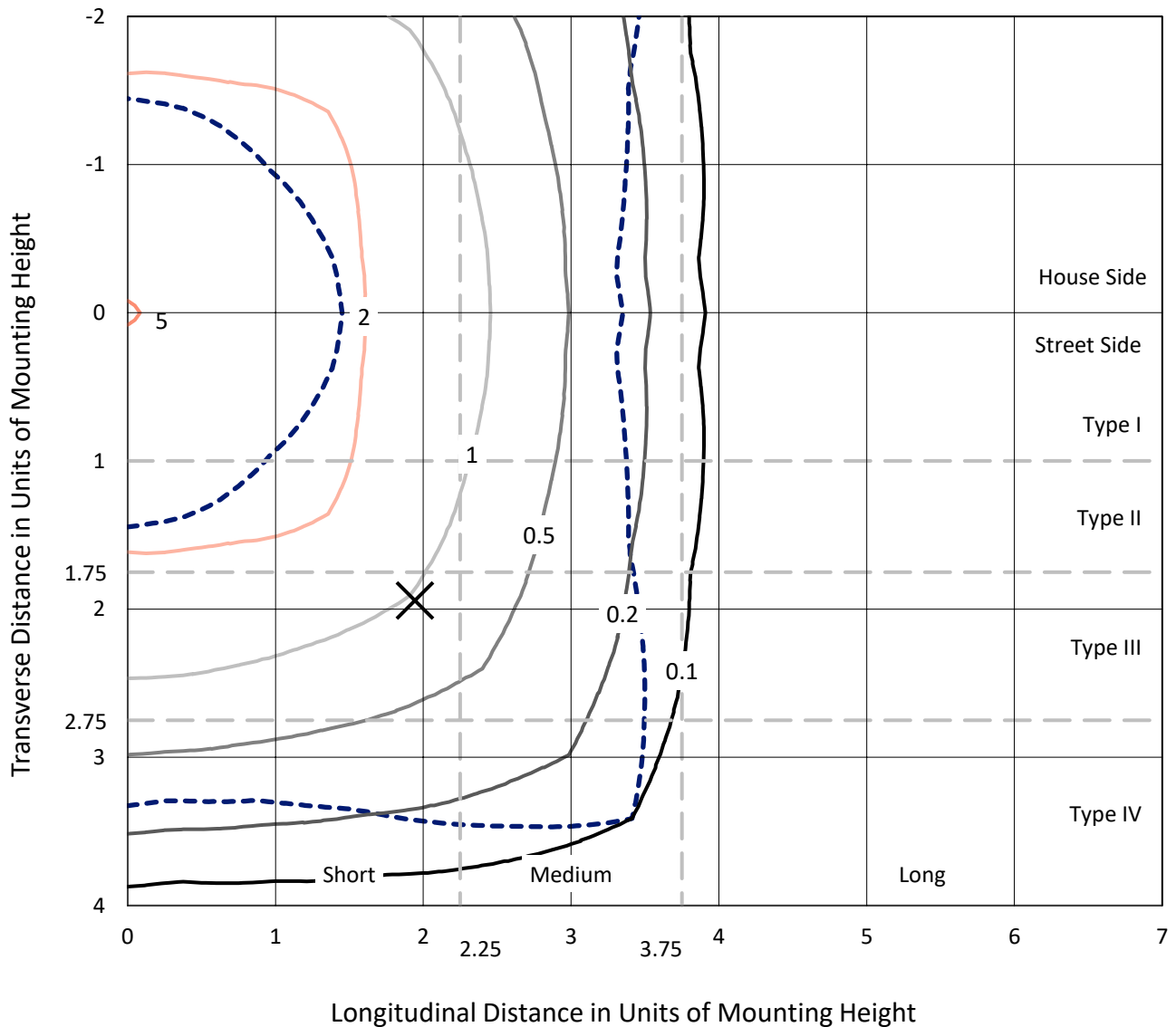
Input Watts (W): 227.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

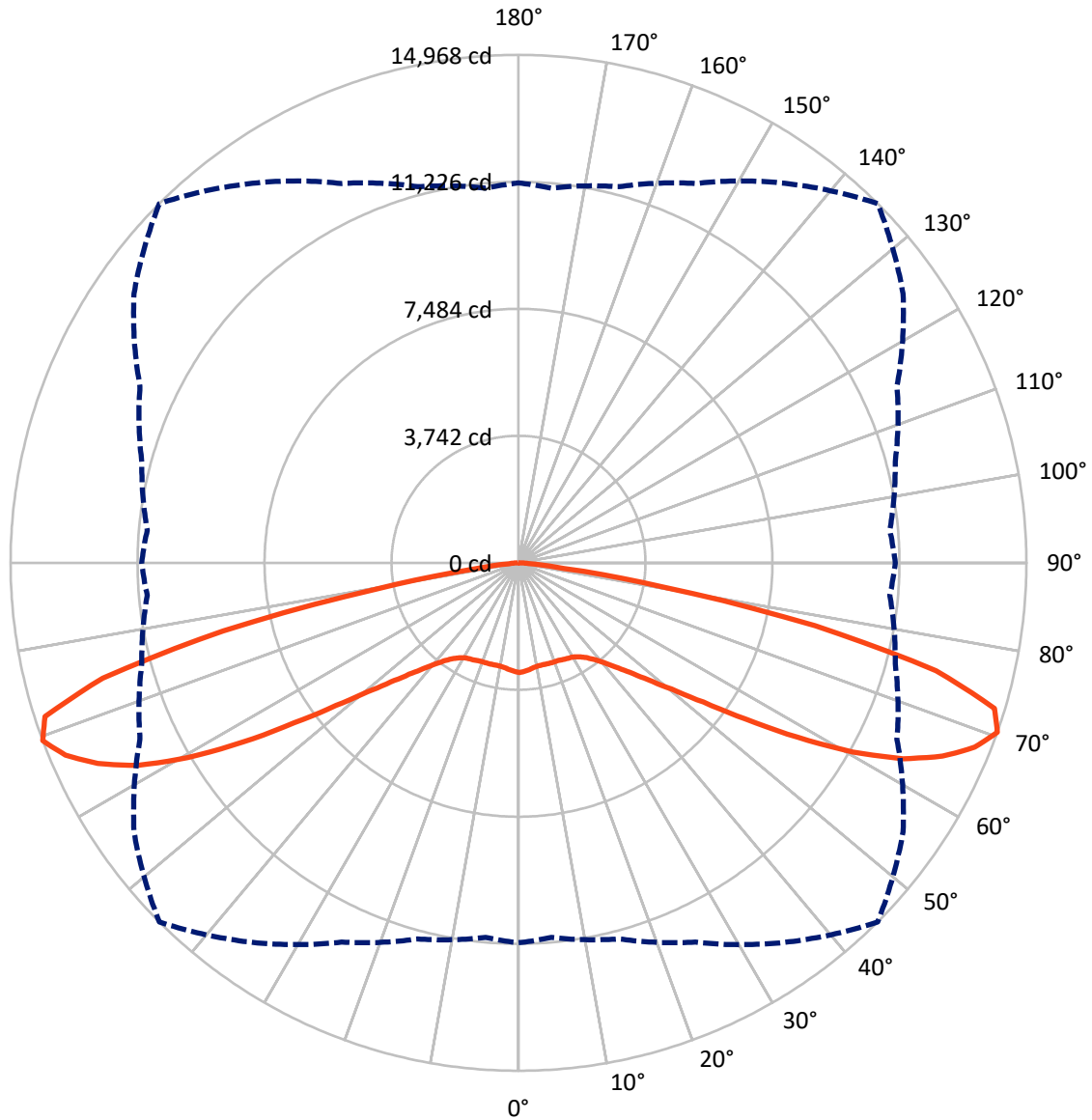
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.2 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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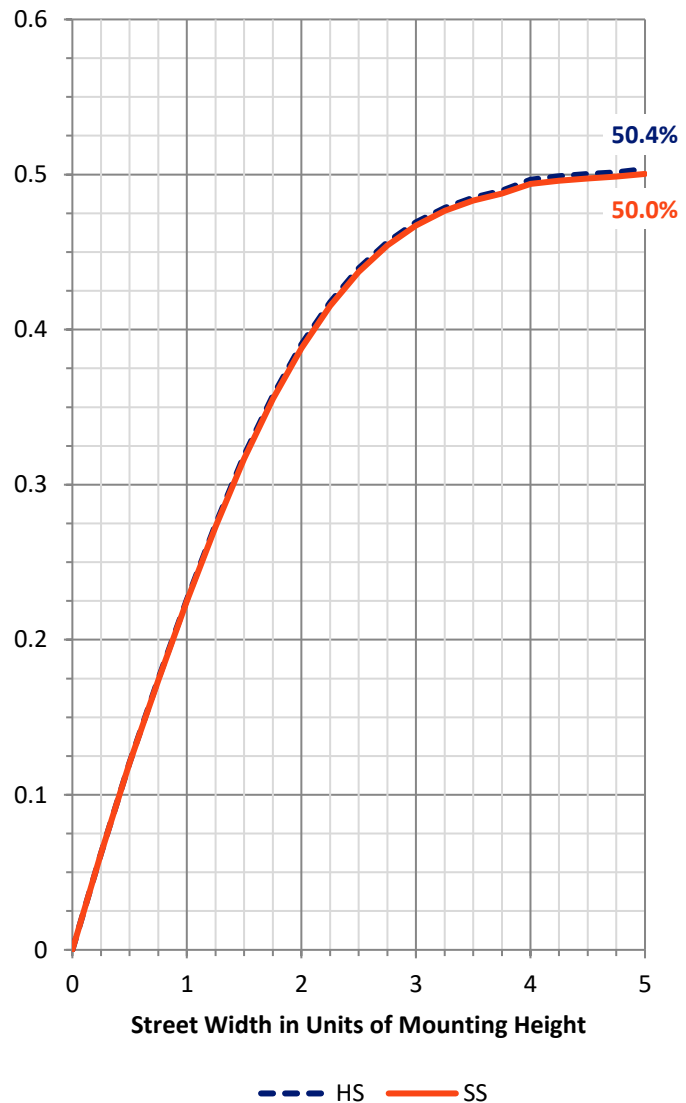
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	17721.0	0.0	17721.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	17721.0	0.0	17721.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	35442.0	0.0	35442.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	300.7	0.8
10°-20°	883.1	2.5
20°-30°	1469.6	4.1
30°-40°	2222.4	6.3
40°-50°	3693.1	10.4
50°-60°	6968.8	19.7
60°-70°	11767.1	33.2
70°-80°	7732.2	21.8
80°-90°	405.1	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°	35442.0	100.0
0°-180°	35442.0	100.0

Coefficient of Utilization



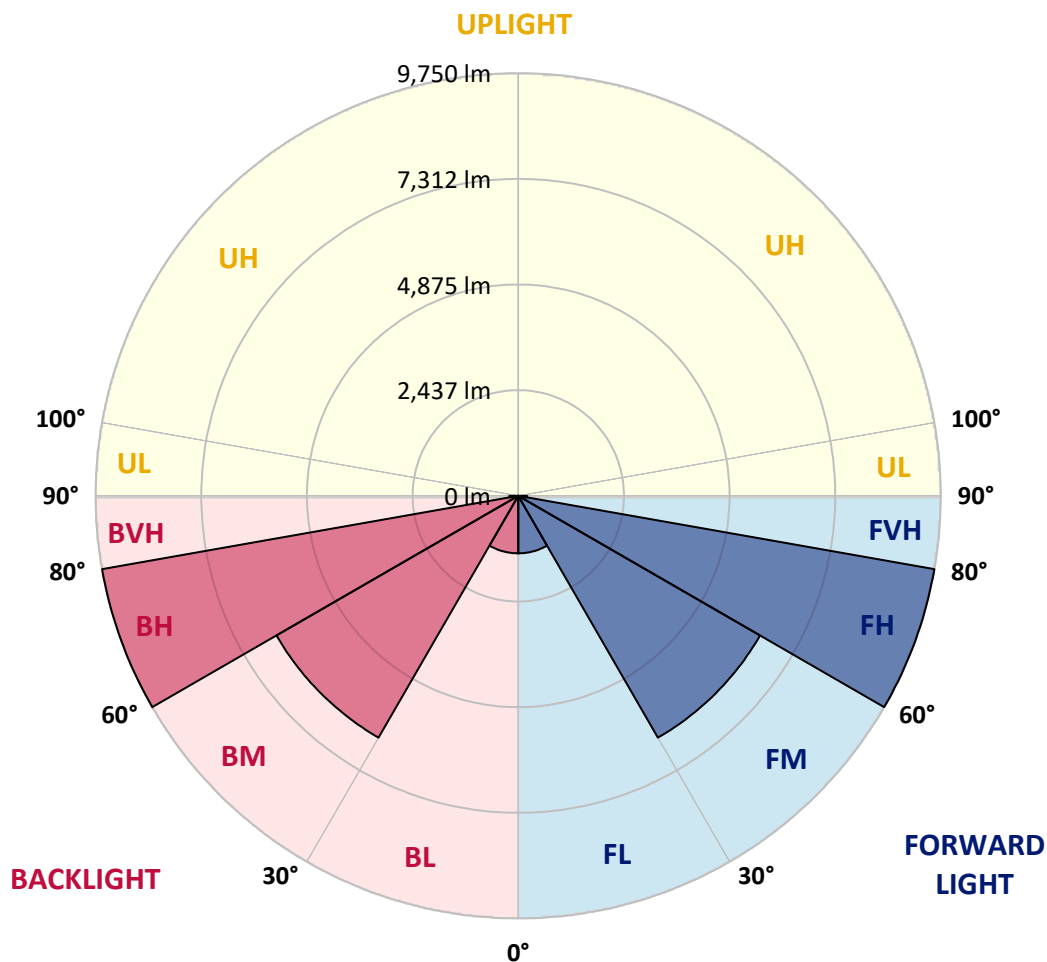
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1326.7	3.7			
FM (30°-60°)	6442.1	18.2			
FH (60°-80°)	9749.6	27.5			G4/12000
FVH (80°-90°)	202.5	0.6			G2/225
BL (0°-30°)	1326.7	3.7	B3/2500		
BM (30°-60°)	6442.1	18.2	B4/8500		
BH (60°-80°)	9749.6	27.5	B5		G4/12000
BVH (80°-90°)	202.5	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°	3233.0	3233.0	3233.0	3233.0	3233.0	3233.0	3233.0	3233.0	3233.0	3233.0
2.5°	3212.8	3222.0	3218.3	3210.9	3210.9	3205.4	3210.9	3214.6	3220.1	3223.8
5°	3170.4	3177.8	3175.9	3170.4	3172.2	3166.7	3170.4	3175.9	3179.6	3181.4
7.5°	3133.5	3140.9	3137.2	3128.0	3128.0	3122.5	3124.3	3129.9	3135.4	3137.2
10°	3124.3	3131.7	3120.7	3105.9	3100.4	3093.0	3094.9	3100.4	3111.4	3117.0
12.5°	3128.0	3133.5	3122.5	3100.4	3094.9	3087.5	3087.5	3093.0	3107.8	3115.1
15°	3139.1	3144.6	3128.0	3104.1	3098.5	3093.0	3091.2	3098.5	3115.1	3128.0
17.5°	3159.3	3164.9	3139.1	3105.9	3098.5	3100.4	3098.5	3104.1	3129.9	3153.8
20°	3177.8	3181.4	3146.4	3105.9	3098.5	3100.4	3098.5	3109.6	3142.8	3175.9
22.5°	3183.3	3187.0	3153.8	3118.8	3113.3	3115.1	3113.3	3124.3	3155.7	3188.8
25°	3185.1	3190.7	3164.9	3137.2	3146.4	3150.1	3146.4	3148.3	3172.2	3201.7
27.5°	3212.8	3220.1	3196.2	3172.2	3177.8	3175.9	3181.4	3187.0	3205.4	3234.9
30°	3269.9	3275.4	3255.1	3231.2	3227.5	3214.6	3231.2	3249.6	3269.9	3295.7
32.5°	3363.8	3374.9	3349.1	3323.3	3306.7	3299.3	3312.2	3343.6	3371.2	3398.8
35°	3520.4	3527.8	3503.8	3455.9	3426.5	3426.5	3437.5	3478.0	3522.2	3557.2
37.5°	3741.5	3750.7	3708.3	3651.2	3607.0	3607.0	3621.7	3664.1	3730.4	3780.2
40°	4010.4	4023.3	3969.9	3910.9	3868.6	3861.2	3879.6	3927.5	3990.2	4052.8
42.5°	4334.6	4349.4	4279.4	4227.8	4194.6	4194.6	4203.9	4248.1	4305.2	4382.5
45°	4749.1	4774.9	4679.1	4627.6	4596.2	4603.6	4609.1	4647.8	4699.4	4787.8
47.5°	5242.8	5268.6	5167.3	5113.9	5108.4	5143.4	5121.3	5148.9	5176.5	5277.8
50°	5802.9	5847.1	5777.1	5773.4	5784.4	5848.9	5797.3	5812.1	5780.8	5845.2
52.5°	6488.2	6552.6	6539.7	6561.8	6685.3	6817.9	6700.0	6648.4	6530.5	6550.8
55°	7319.0	7416.6	7435.0	7567.7	7847.7	8118.5	7867.9	7659.8	7409.2	7363.2
57.5°	8264.0	8341.4	8429.8	8700.6	9223.8	9704.6	9223.8	8763.2	8369.0	8275.1
60°	9280.9	9376.7	9461.4	9861.2	10638.6	11314.7	10623.8	9892.5	9371.2	9244.1
62.5°	10373.3	10496.7	10555.7	10999.7	11906.0	12712.9	11918.9	11032.8	10454.4	10318.0
65°	11421.5	11522.8	11589.1	12062.6	12928.4	13737.1	12987.4	12114.2	11519.1	11340.5
67.5°	11909.7	11965.0	12127.1	12663.1	13576.9	14499.8	13731.6	12720.2	12055.2	11742.0
70°	11194.9	11082.5	11473.1	12331.5	13654.2	14967.7	13831.1	12305.8	11491.5	10983.1
72.5°	8650.9	8457.4	9135.4	10603.6	12770.0	14669.3	12858.4	10686.5	9557.2	8525.6
75°	4706.8	4487.5	5423.4	7280.3	10183.6	12714.7	10417.5	7488.5	6038.7	4671.8
77.5°	1328.2	1245.3	2000.6	3522.2	6125.2	8927.2	6361.0	3599.6	2372.7	1407.4
80°	407.1	394.2	534.2	1061.1	2601.2	4275.7	2499.8	1074.0	679.8	429.2
82.5°	241.3	221.1	265.3	386.9	663.2	1342.9	644.8	403.4	324.2	217.4
85°	138.2	129.0	156.6	187.9	222.9	285.5	186.1	191.6	173.2	116.1
87.5°	57.1	51.6	60.8	58.9	51.6	66.3	49.7	58.9	70.0	46.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
3233.0
3222.0
3181.4
3137.2
3117.0
3117.0
3129.9
3153.8
3177.8
3188.8
3199.9
3227.5
3290.1
3387.8
3544.4
3761.7
4032.5
4377.0
4784.1
5248.4
5806.5
6482.6
7291.3
8208.7
9133.5
10207.5
11252.0
11745.7
11104.7
8781.7
4975.7
1564.0
453.2
235.8
121.6
42.4
0.0

OF REPORT)