

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: P459066

Luminaire Tested: **GLAN-SA5D-735-U-5WQ**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P459066
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-1)
Test Lab: INNOVATION CENTER
Issue Date: 1/4/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA5D-735-U-5WQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(5) 70 CRI, 3500K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 37771 lumens
Efficiency: N/A
Efficacy: 122.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

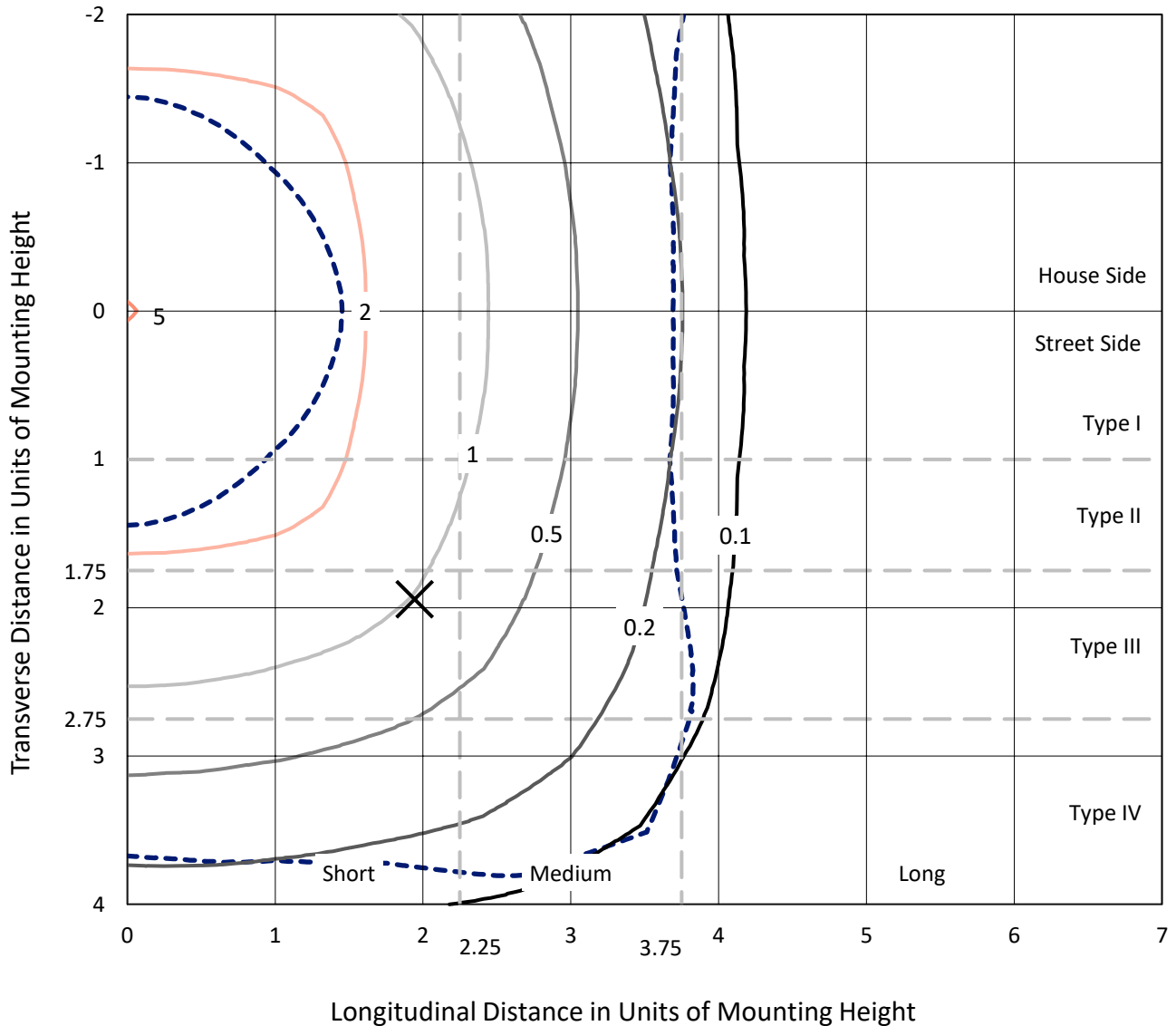
Input Watts (W): 309
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

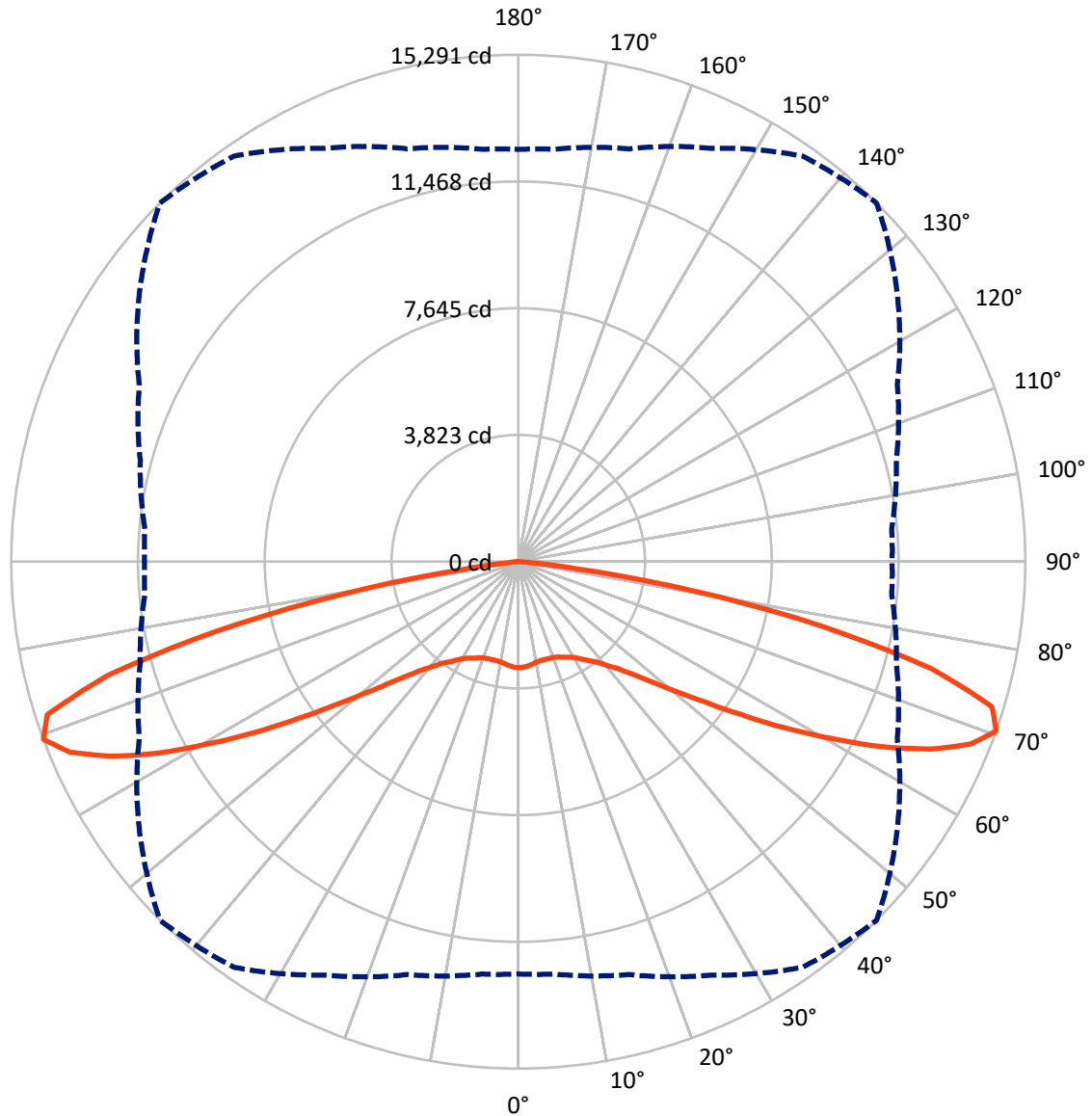
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.1 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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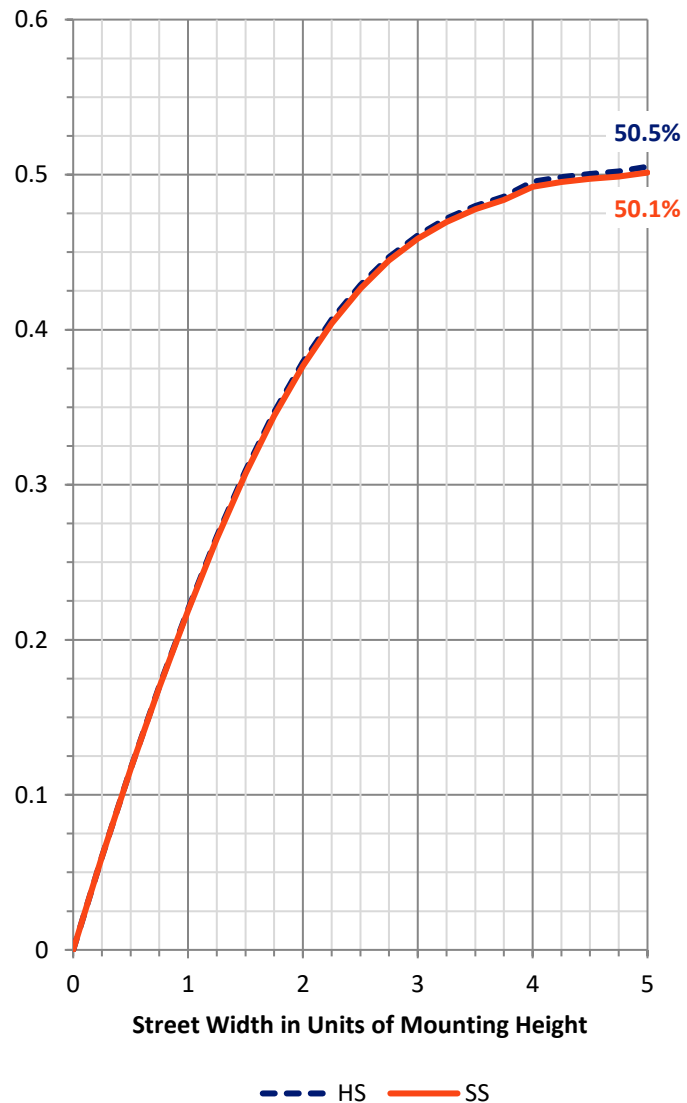
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	18885.5	0.0	18885.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	18885.5	0.0	18885.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	37771.0	0.0	37771.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	299.1	0.8
10°-20°	875.5	2.3
20°-30°	1491.6	3.9
30°-40°	2312.0	6.1
40°-50°	3891.5	10.3
50°-60°	7080.3	18.7
60°-70°	11986.8	31.7
70°-80°	9278.3	24.6
80°-90°	556.0	1.5
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°	37771.0	100.0
0°-180°	37771.0	100.0



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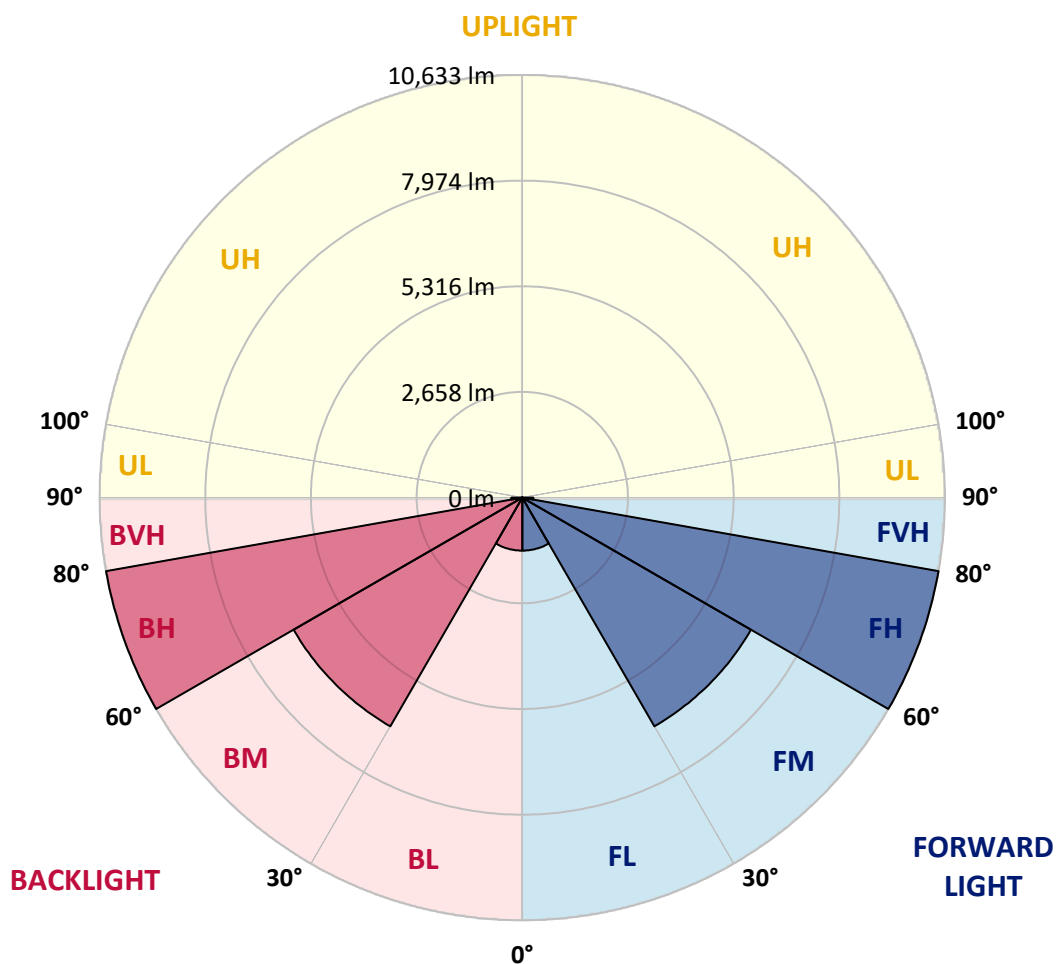
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1333.1	3.5			
FM	(30°-60°)	6641.9	17.6			
FH	(60°-80°)	10632.5	28.1			G4/12000
FVH	(80°-90°)	278.0	0.7			G3/500
BL	(0°-30°)	1333.1	3.5	B3/2500		
BM	(30°-60°)	6641.9	17.6	B4/8500		
BH	(60°-80°)	10632.5	28.1	B5		G4/12000
BVH	(80°-90°)	278.0	0.7			G3/500
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°	90°
0°	3197.8	3197.8	3197.8	3197.8	3197.8	3197.8	3197.8	3197.8	3197.8	3197.8	3197.8
2.5°	3189.8	3191.8	3191.8	3187.8	3185.8	3185.8	3183.8	3183.8	3189.8	3191.8	3193.8
5°	3161.9	3161.9	3161.9	3159.9	3155.9	3155.9	3151.9	3151.9	3153.9	3159.9	3155.9
7.5°	3124.0	3128.0	3128.0	3120.0	3114.0	3114.0	3112.0	3114.0	3116.0	3122.0	3120.0
10°	3112.0	3114.0	3104.0	3090.1	3080.1	3074.1	3076.1	3080.1	3090.1	3094.0	3096.0
12.5°	3120.0	3120.0	3102.0	3082.1	3064.1	3056.1	3054.1	3068.1	3086.1	3098.0	3102.0
15°	3130.0	3126.0	3104.0	3078.1	3060.1	3058.1	3056.1	3066.1	3092.0	3116.0	3118.0
17.5°	3135.9	3133.9	3106.0	3074.1	3064.1	3064.1	3062.1	3070.1	3098.0	3128.0	3130.0
20°	3155.9	3149.9	3118.0	3084.1	3076.1	3080.1	3074.1	3084.1	3114.0	3149.9	3157.9
22.5°	3195.8	3189.8	3157.9	3124.0	3120.0	3120.0	3118.0	3128.0	3159.9	3197.8	3203.8
25°	3243.7	3237.7	3207.8	3183.8	3187.8	3195.8	3191.8	3193.8	3219.7	3251.6	3261.6
27.5°	3307.5	3297.5	3271.6	3251.6	3263.6	3263.6	3263.6	3261.6	3277.6	3307.5	3317.5
30°	3385.3	3381.3	3353.4	3351.4	3361.4	3351.4	3351.4	3353.4	3355.4	3383.3	3393.3
32.5°	3487.0	3479.1	3465.1	3461.1	3489.0	3497.0	3469.1	3443.1	3457.1	3485.0	3491.0
35°	3654.6	3642.6	3622.7	3600.7	3622.7	3660.6	3600.7	3580.8	3616.7	3654.6	3658.6
37.5°	3882.0	3876.0	3844.1	3804.2	3802.2	3842.1	3780.3	3778.3	3846.1	3892.0	3898.0
40°	4167.3	4173.3	4133.4	4095.5	4075.5	4107.4	4059.6	4077.5	4143.3	4195.2	4191.2
42.5°	4568.3	4546.3	4484.5	4448.6	4426.6	4414.6	4402.7	4430.6	4504.4	4560.3	4604.2
45°	5037.0	5029.1	4951.3	4907.4	4859.5	4841.6	4837.6	4887.4	4977.2	5045.0	5051.0
47.5°	5567.7	5549.7	5499.9	5454.0	5436.0	5414.1	5394.1	5432.0	5521.8	5569.7	5583.6
50°	6114.3	6118.3	6118.3	6110.3	6128.2	6132.2	6078.4	6092.3	6142.2	6138.2	6134.2
52.5°	6738.7	6760.6	6864.3	6874.3	6960.1	7018.0	6920.2	6862.4	6844.4	6736.7	6744.7
55°	7472.8	7492.7	7648.3	7803.9	8035.3	8133.1	7927.6	7748.1	7620.4	7456.8	7464.8
57.5°	8388.4	8398.4	8546.0	8845.3	9212.3	9441.7	9080.7	8725.6	8466.2	8310.6	8248.8
60°	9373.9	9383.9	9599.3	9964.4	10534.9	10814.2	10367.3	9786.8	9459.7	9222.3	9238.2
62.5°	10556.9	10596.8	10790.3	11293.0	11985.2	12298.4	11705.9	10929.9	10487.0	10191.8	10203.8
65°	11823.6	11891.4	12102.9	12655.5	13293.8	13631.0	12904.8	12009.1	11458.5	11097.5	11135.4
67.5°	12645.5	12705.3	13010.5	13621.0	14416.9	14696.2	13758.6	12715.3	12027.1	11596.2	11516.4
70°	12436.0	12485.9	12892.8	13758.6	14937.6	15290.7	13962.1	12611.6	11801.7	11304.9	11273.0
72.5°	10977.8	10874.0	11468.5	12711.3	14343.1	14935.6	13321.7	11518.4	10499.0	9988.3	9928.5
75°	7275.3	7500.7	8378.5	9842.7	12134.8	12868.9	11370.8	9248.2	7965.5	7540.6	7474.8
77.5°	2431.7	2605.3	3385.3	5579.7	8272.7	9375.9	8284.7	6048.4	4279.0	3447.1	3463.1
80°	644.3	636.4	823.9	1534.1	3574.8	5430.0	4161.3	2048.7	1121.1	811.9	770.0
82.5°	231.4	259.3	333.1	424.9	947.6	1687.7	1190.9	574.5	420.9	311.2	301.2
85°	101.7	99.7	143.6	169.6	237.4	315.2	279.3	243.4	213.5	141.6	131.7
87.5°	21.9	21.9	33.9	25.9	41.9	41.9	51.9	61.8	63.8	41.9	33.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)