

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: P649398

Luminaire Tested: **GLAN-SA5D-835-U-5MQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P649398
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-3)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA5D-835-U-5MQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(5) 80 CRI, 3500K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V
MEDIUM OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18204.8 lumens
Efficiency: N/A
Efficacy: 58.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

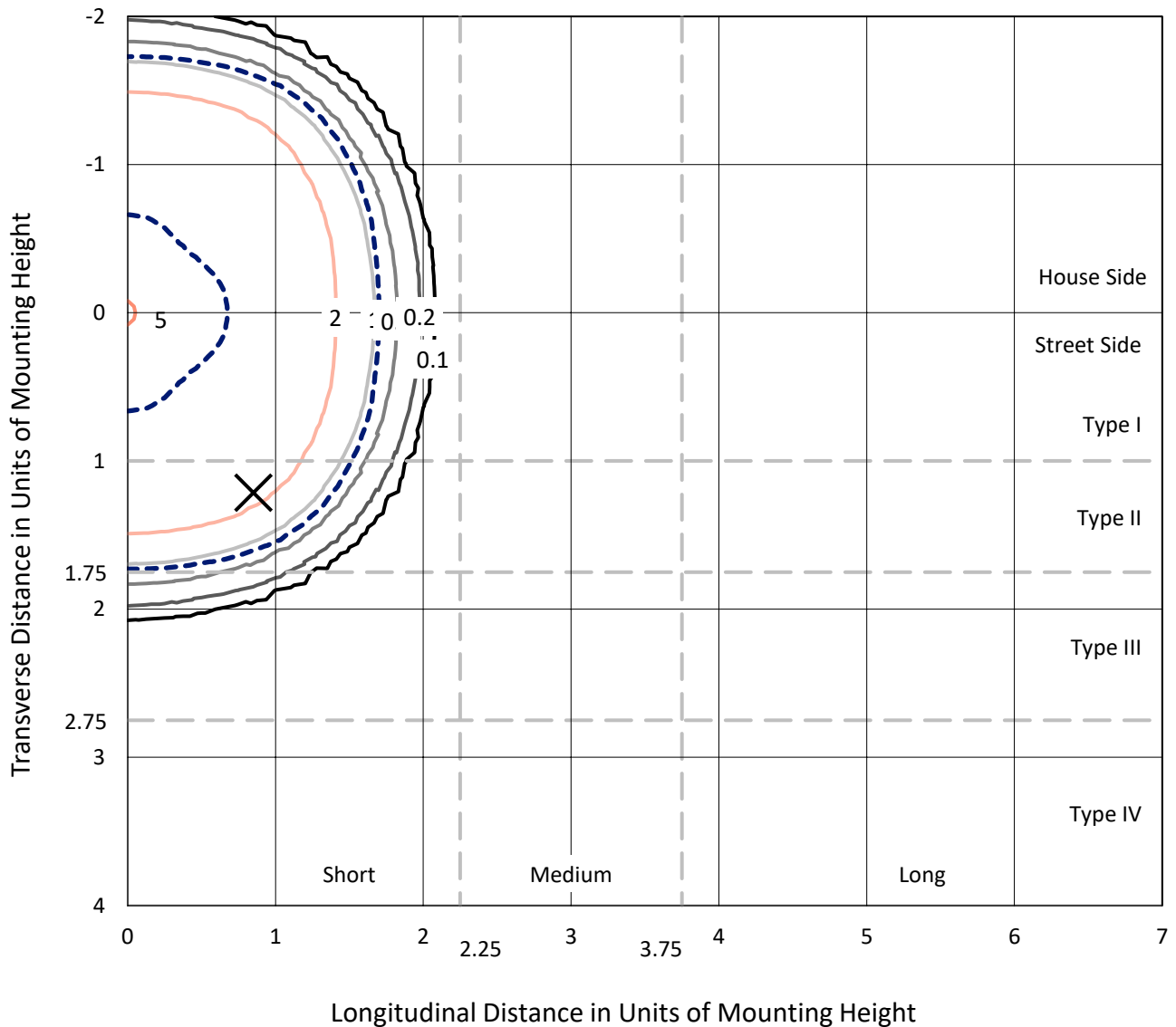
Input Watts (W): 309
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

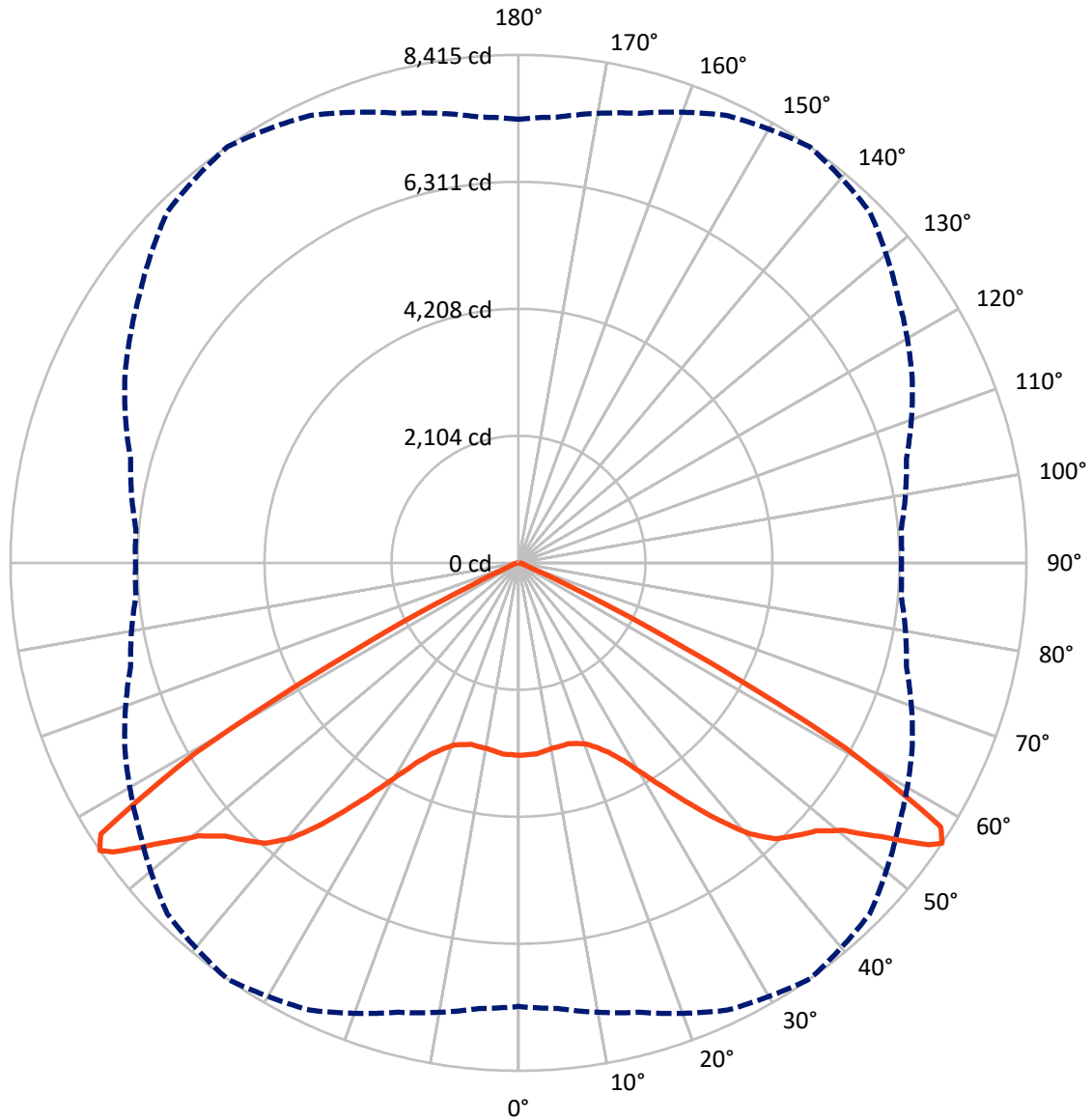
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.1 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 56-Deg Vertical

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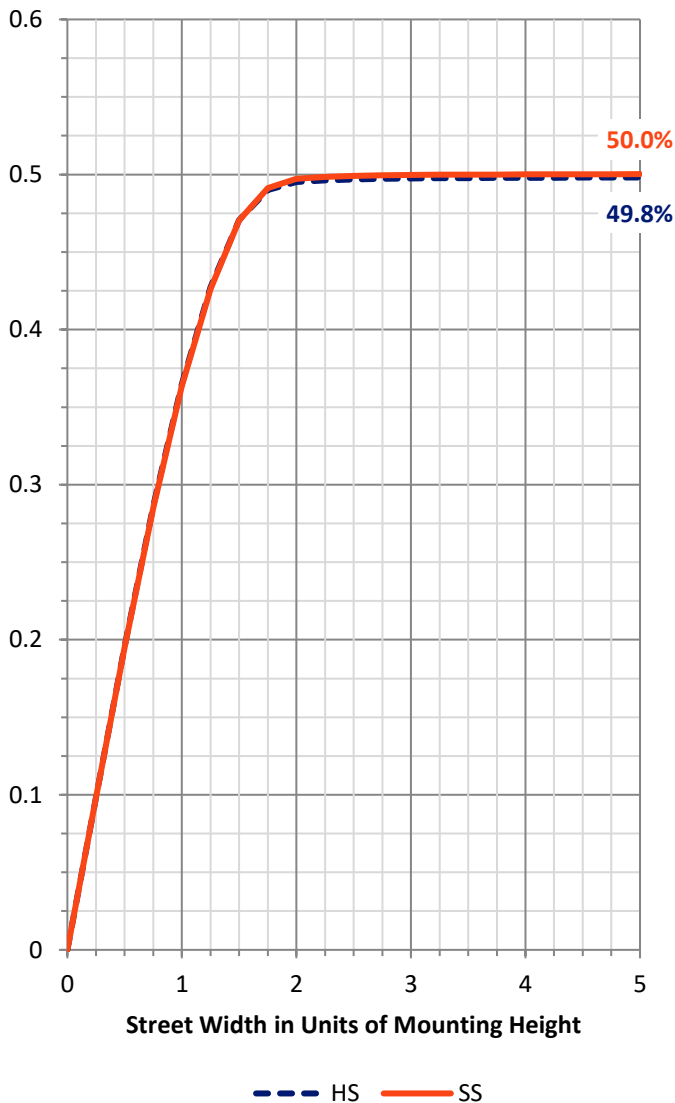
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9102.4	0.0	9102.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9102.4	0.0	9102.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	18204.8	0.0	18204.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	299.8	1.6
10°-20°	875.3	4.8
20°-30°	1585.0	8.7
30°-40°	2939.1	16.1
40°-50°	4824.4	26.5
50°-60°	6215.2	34.1
60°-70°	1369.8	7.5
70°-80°	79.5	0.4
80°-90°	16.7	0.1
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°	18204.8	100.0
0°-180°	18204.8	100.0

Coefficient of Utilization



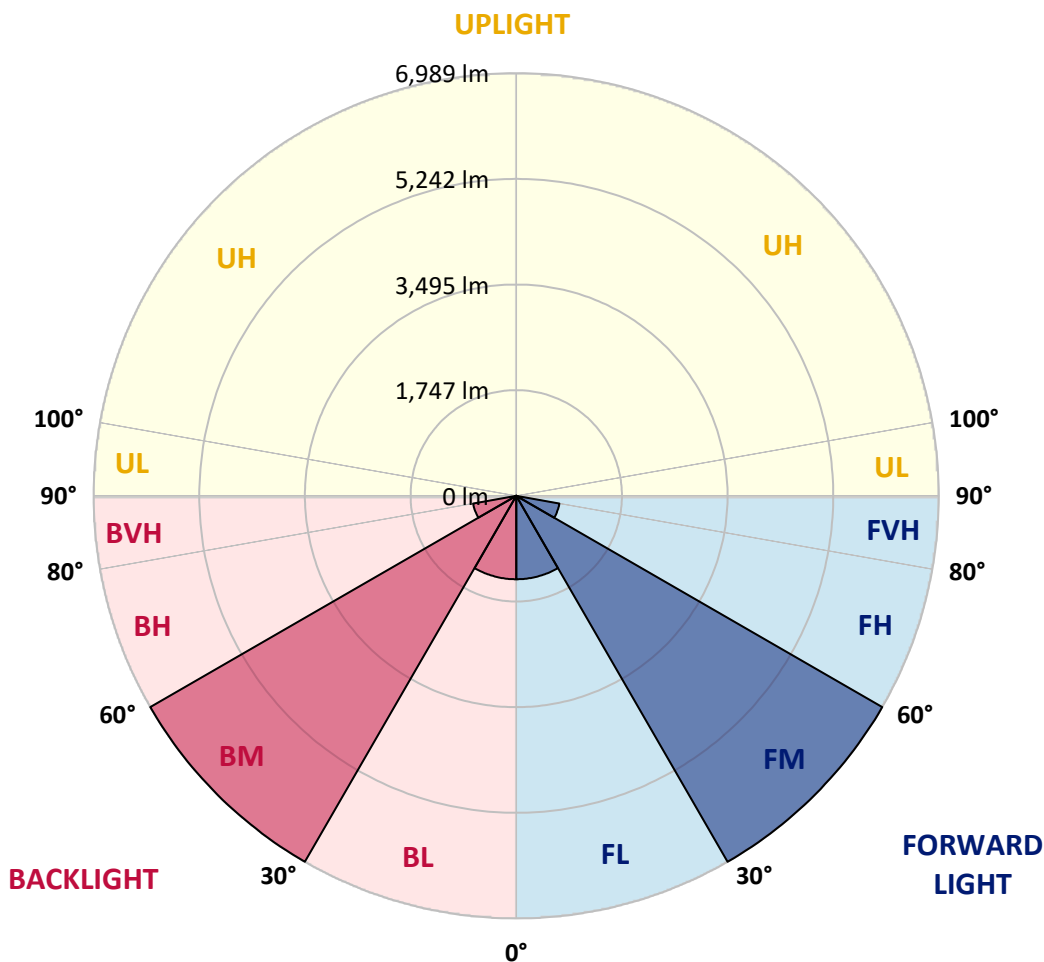
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1380.0	7.6			
FM (30°-60°)	6989.4	38.4			
FH (60°-80°)	724.6	4.0			G1/1800
FVH (80°-90°)	8.4	0.0			G0/10
BL (0°-30°)	1380.0	7.6	B3/2500		
BM (30°-60°)	6989.4	38.4	B4/8500		
BH (60°-80°)	724.6	4.0	B2/1000		G1/1800
BVH (80°-90°)	8.4	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3189.9	3189.9	3189.9	3189.9	3189.9	3189.9	3189.9	3189.9	3189.9	3189.9	3189.9
2.5°	3196.4	3196.4	3199.7	3203.1	3180.0	3170.1	3173.3	3166.8	3163.5	3173.3	3173.3
5°	3186.6	3186.6	3176.6	3180.0	3180.0	3150.2	3150.2	3156.9	3156.9	3137.1	3130.5
7.5°	3160.2	3153.6	3140.4	3156.9	3147.0	3147.0	3123.9	3107.4	3100.8	3114.0	3100.8
10°	3104.1	3107.4	3120.6	3127.2	3120.6	3140.4	3100.8	3077.7	3054.6	3044.7	3044.7
12.5°	3077.7	3097.5	3077.7	3094.2	3117.3	3100.8	3077.7	3061.2	3028.3	3015.0	3015.0
15°	3074.4	3087.6	3094.2	3117.3	3107.4	3114.0	3067.8	3048.0	2998.6	2975.5	2965.5
17.5°	3071.1	3087.6	3097.5	3140.4	3147.0	3150.2	3114.0	3054.6	3011.7	2988.6	2965.5
20°	3107.4	3114.0	3133.8	3176.6	3203.1	3249.2	3183.3	3120.6	3028.3	3001.9	2991.9
22.5°	3153.6	3186.6	3206.4	3252.5	3321.8	3361.4	3275.6	3196.4	3100.8	3067.8	3028.3
25°	3302.0	3295.4	3328.4	3424.1	3480.1	3509.9	3440.6	3325.1	3199.7	3160.2	3166.8
27.5°	3486.8	3493.4	3523.0	3628.6	3711.0	3757.2	3674.8	3523.0	3401.0	3335.0	3328.4
30°	3727.5	3721.0	3753.9	3895.8	4044.2	4113.5	3968.4	3790.3	3671.5	3585.7	3605.5
32.5°	3981.6	3984.8	4077.2	4205.9	4446.7	4582.0	4347.7	4130.0	3951.9	3892.5	3862.8
35°	4357.6	4374.1	4446.7	4644.6	4911.8	5086.6	4829.3	4568.7	4364.2	4255.4	4268.5
37.5°	4822.7	4806.2	4928.3	5142.7	5423.1	5551.8	5334.0	5037.1	4829.3	4756.7	4802.9
40°	5317.5	5334.0	5396.7	5591.3	5904.7	5990.5	5667.2	5505.6	5324.2	5287.8	5343.9
42.5°	5812.4	5802.4	5848.6	6023.5	6251.1	6191.7	6000.4	5904.7	5776.0	5703.5	5779.3
45°	6175.2	6158.7	6244.5	6363.2	6445.7	6333.5	6247.8	6214.8	6148.8	6069.7	6139.0
47.5°	6528.2	6515.0	6597.5	6630.4	6637.0	6488.6	6505.1	6564.4	6399.5	6234.6	6313.7
50°	6828.4	6805.3	6907.5	6980.1	6963.6	6726.1	6785.5	6726.1	6468.8	6274.2	6244.5
52.5°	7329.7	7339.7	7448.5	7580.5	7540.9	7343.0	7257.2	6986.7	6656.8	6482.0	6379.7
55°	7646.5	7597.0	7785.0	8203.9	8250.1	8045.6	7666.2	7267.1	6772.2	6557.9	6531.5
56°	7349.6	7412.2	7709.1	8177.5	8415.1	8227.0	7676.1	7197.8	6653.5	6363.2	6343.5
57.5°	6594.1	6561.1	6963.6	7603.6	8250.1	8170.9	7405.6	6703.0	6069.7	5743.1	5703.5
60°	4103.6	4199.3	4552.2	5343.9	6208.2	6247.8	5489.1	4885.4	4146.5	3856.2	3925.5
62.5°	1606.5	1524.0	1745.0	2335.5	2929.3	3061.2	2774.2	2305.8	1893.5	1606.5	1586.7
65°	372.8	362.8	409.0	564.1	788.4	913.8	867.6	623.4	458.5	435.4	402.5
67.5°	211.1	211.1	201.2	201.2	221.0	234.2	224.3	221.0	230.9	240.8	237.5
70°	148.5	145.2	138.5	141.9	135.2	135.2	145.2	161.6	174.8	174.8	178.1
72.5°	89.0	89.0	89.0	99.0	99.0	99.0	108.8	122.1	125.4	122.1	118.8
75°	39.6	39.6	46.2	56.1	62.6	66.0	75.9	82.4	89.0	82.4	75.9
77.5°	9.9	9.9	16.5	23.1	29.7	36.3	49.5	59.4	62.6	59.4	49.5
80°	3.3	3.3	6.6	16.5	29.7	36.3	49.5	52.8	56.1	49.5	39.6
82.5°	3.3	3.3	6.6	16.5	23.1	29.7	39.6	46.2	49.5	42.9	39.6
85°	0.0	3.3	6.6	13.2	19.8	26.4	26.4	19.8	16.5	9.9	13.2
87.5°	0.0	0.0	3.3	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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)