

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: P459006

Luminaire Tested: **GLAN-SA5B-735-U-5MQ**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P459006
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-2)
Test Lab: INNOVATION CENTER
Issue Date: 1/4/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA5B-735-U-5MQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(5) 70 CRI, 3500K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 27841 lumens
Efficiency: N/A
Efficacy: 136.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

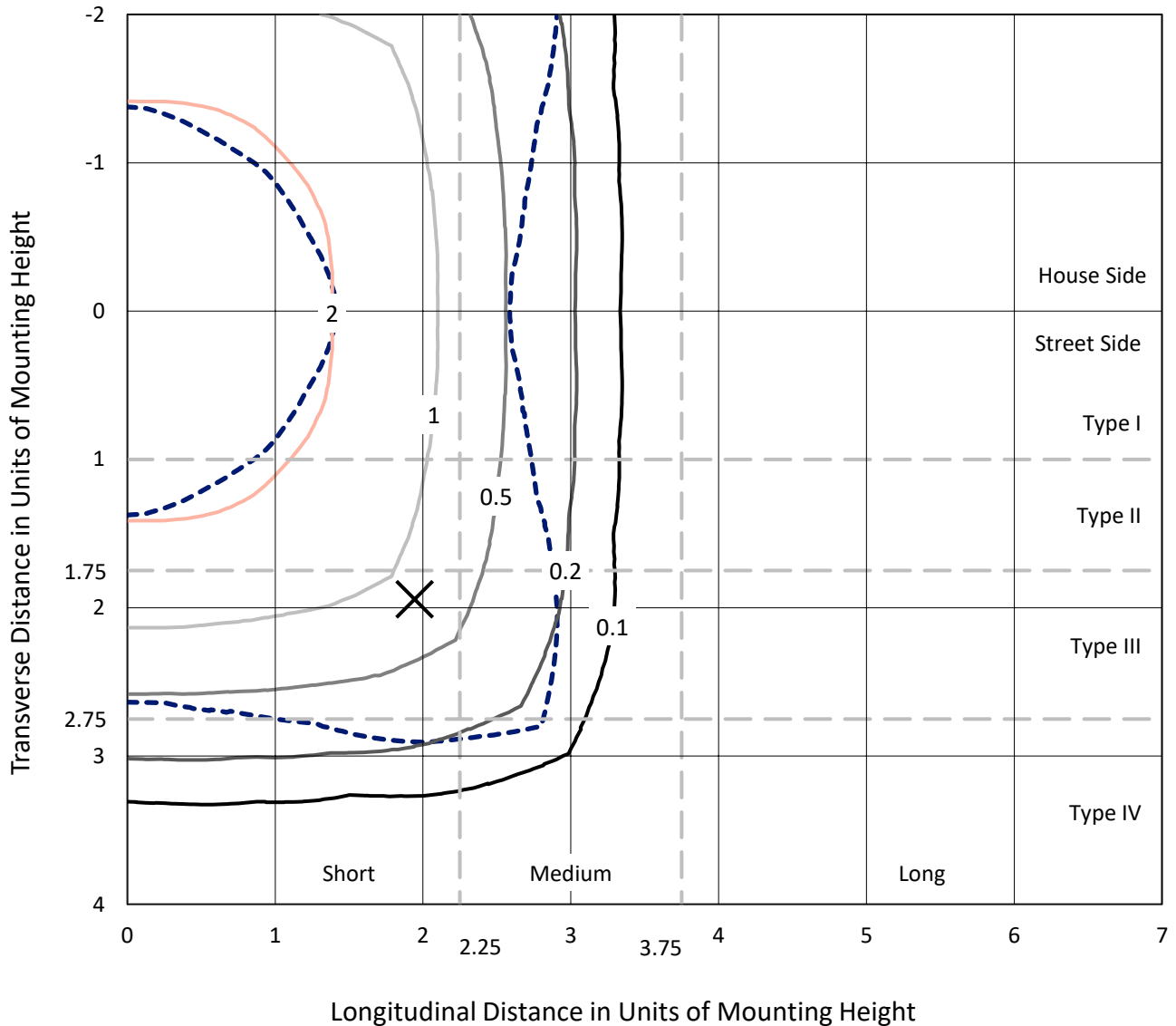
Input Watts (W): 204
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P459006
 CATALOG NUMBER: GLAN-SA5B-735-U-5MQ

Iso-Footcandle Lines of Horizontal Illumination

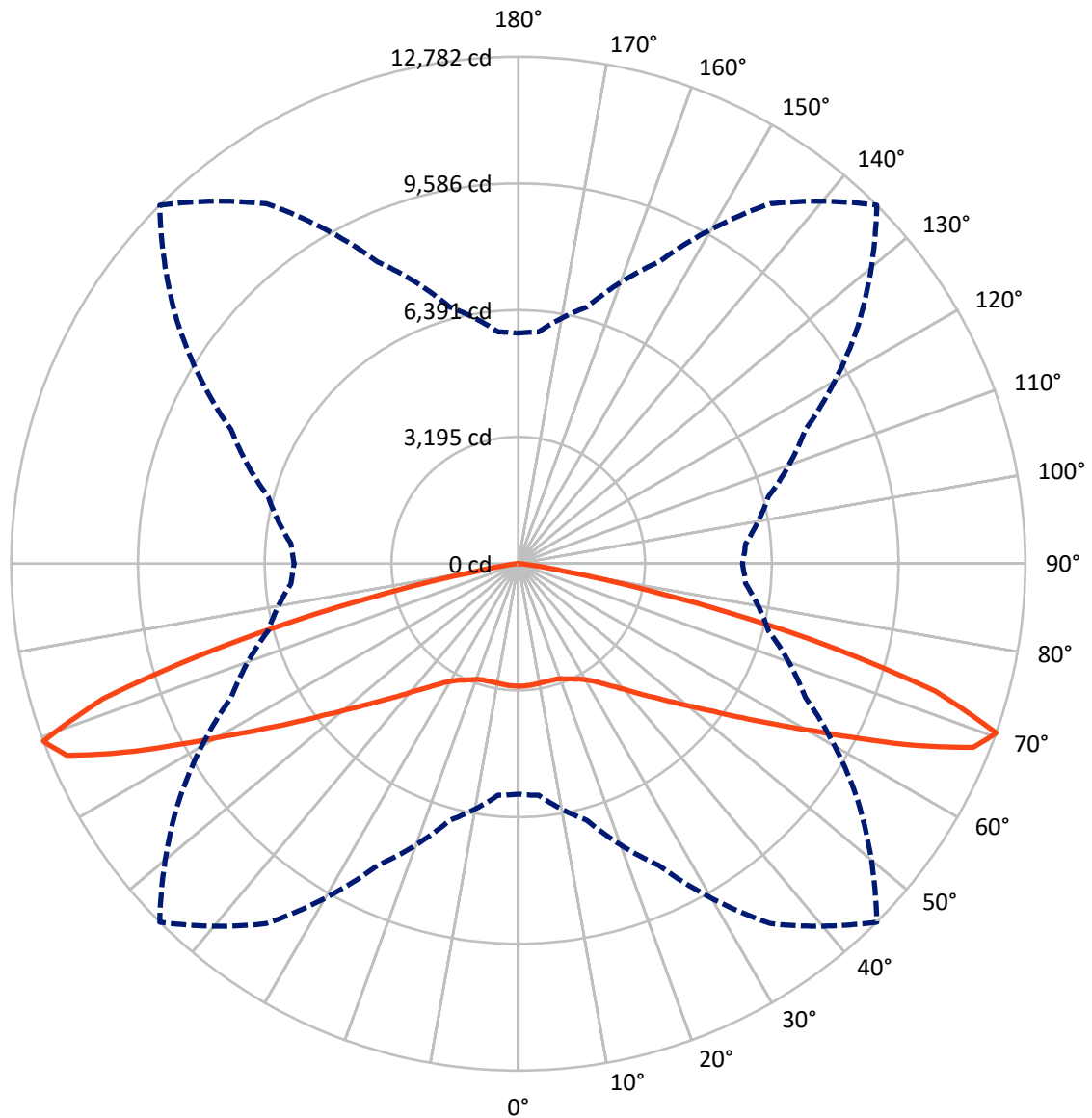
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.9 fc
 Type V - Short - N/A

REPORT NUMBER: P459006
CATALOG NUMBER: GLAN-SA5B-735-U-5MQ

Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

REPORT NUMBER: P459006

CATALOG NUMBER: GLAN-SA5B-735-U-5MQ

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	13920.5	0.0	13920.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	13920.5	0.0	13920.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	27841.0	0.0	27841.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	293.2	1.1
10°-20°	860.3	3.1
20°-30°	1471.4	5.3
30°-40°	2335.4	8.4
40°-50°	3767.6	13.5
50°-60°	6129.9	22.0
60°-70°	8886.2	31.9
70°-80°	3941.6	14.2
80°-90°	155.5	0.6
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°	27841.0	100.0
0°-180°	27841.0	100.0



REPORT NUMBER: P459006

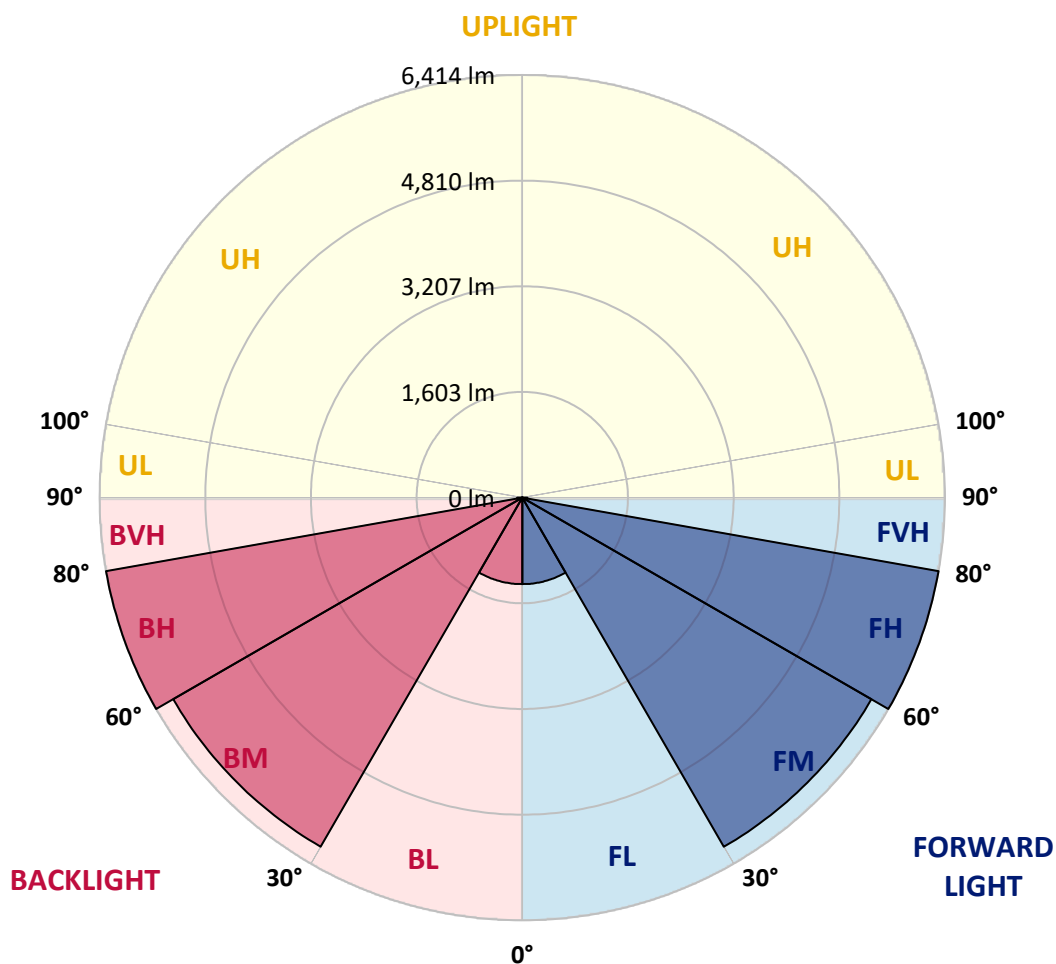
CATALOG NUMBER: GLAN-SA5B-735-U-5MQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1312.4	4.7			
FM (30°-60°)	6116.5	22.0			
FH (60°-80°)	6413.9	23.0			G3/7500
FVH (80°-90°)	77.7	0.3			G1/100
BL (0°-30°)	1312.4	4.7	B3/2500		
BM (30°-60°)	6116.5	22.0	B4/8500		
BH (60°-80°)	6413.9	23.0	B5		G3/7500
BVH (80°-90°)	77.7	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G3

Type V Short





REPORT NUMBER: P459006

CATALOG NUMBER: GLAN-SA5B-735-U-5MQ

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3091.6	3091.6	3091.6	3091.6	3091.6	3091.6	3091.6	3091.6	3091.6	3091.6	3091.6
2.5°	3091.6	3094.5	3090.1	3087.2	3085.7	3085.7	3084.3	3085.7	3094.5	3096.0	3091.6
5°	3082.8	3085.7	3084.3	3081.3	3079.9	3079.9	3078.4	3076.9	3084.3	3087.2	3085.7
7.5°	3071.1	3072.5	3071.1	3069.6	3071.1	3069.6	3065.2	3062.3	3068.1	3068.1	3066.7
10°	3050.5	3053.5	3052.0	3053.5	3056.4	3056.4	3050.5	3044.7	3046.1	3043.2	3043.2
12.5°	3025.6	3030.0	3031.5	3037.3	3044.7	3053.5	3040.3	3027.1	3024.1	3022.6	3021.2
15°	3009.4	3013.8	3019.7	3025.6	3038.8	3057.9	3038.8	3018.2	3012.4	3006.5	3003.6
17.5°	3005.0	3010.9	3019.7	3028.5	3046.1	3065.2	3049.1	3028.5	3013.8	3005.0	3002.1
20°	3016.8	3021.2	3034.4	3050.5	3075.5	3094.5	3078.4	3056.4	3034.4	3021.2	3016.8
22.5°	3040.3	3047.6	3063.7	3093.1	3128.3	3156.2	3134.2	3097.5	3062.3	3044.7	3038.8
25°	3091.6	3097.5	3116.6	3156.2	3197.3	3223.7	3200.2	3157.6	3109.2	3085.7	3078.4
27.5°	3169.4	3178.2	3198.7	3245.7	3279.4	3294.1	3278.0	3248.6	3213.4	3188.5	3182.6
30°	3279.4	3289.7	3320.5	3370.4	3392.4	3401.2	3393.9	3374.8	3349.9	3323.4	3317.6
32.5°	3427.6	3433.5	3468.7	3515.7	3536.2	3539.1	3530.3	3521.5	3480.4	3436.4	3433.5
35°	3593.4	3603.7	3646.3	3702.0	3721.1	3722.6	3704.9	3691.7	3643.3	3608.1	3608.1
37.5°	3813.5	3817.9	3859.0	3922.1	3942.6	3936.8	3928.0	3916.2	3864.9	3819.4	3820.9
40°	4071.8	4080.6	4115.8	4189.2	4189.2	4181.8	4187.7	4178.9	4127.5	4083.5	4085.0
42.5°	4378.4	4382.8	4425.4	4503.2	4497.3	4482.6	4488.5	4476.7	4444.5	4394.6	4377.0
45°	4705.6	4723.3	4796.6	4871.5	4859.7	4812.8	4836.2	4833.3	4804.0	4729.1	4733.5
47.5°	5100.4	5129.7	5200.1	5289.6	5276.4	5203.1	5229.5	5247.1	5206.0	5123.8	5109.2
50°	5544.9	5564.0	5668.2	5751.8	5740.1	5662.3	5722.5	5725.4	5622.7	5506.8	5506.8
52.5°	6018.9	6038.0	6178.8	6309.4	6316.7	6203.8	6252.2	6249.3	6082.0	5929.4	5900.0
55°	6550.0	6558.9	6740.8	6933.0	6974.1	6864.1	6869.9	6811.2	6594.1	6416.5	6400.4
57.5°	7098.8	7131.1	7332.1	7581.6	7703.4	7635.9	7605.0	7448.0	7238.2	7034.3	7024.0
60°	7706.3	7707.8	7968.9	8263.9	8510.4	8555.9	8429.7	8219.8	7948.4	7678.4	7666.7
62.5°	8127.4	8190.5	8520.6	9019.5	9461.2	9716.5	9383.4	8943.2	8409.1	7973.3	7929.3
65°	8214.0	8256.5	8759.8	9605.0	10507.4	11057.6	10287.3	9351.1	8439.9	7858.9	7829.5
67.5°	7514.1	7559.6	8237.5	9534.5	11241.0	12369.4	10874.2	9154.5	7917.6	7198.6	7141.4
70°	5812.0	5863.4	6701.2	8393.0	11078.2	12781.7	10456.0	7985.1	6529.5	5753.3	5649.1
72.5°	3090.1	3279.4	3995.5	5760.6	8991.6	11004.8	8573.5	5826.7	4211.2	3442.3	3304.4
75°	1128.4	1151.8	1550.9	2554.6	5230.9	7546.4	5432.0	2779.1	1597.9	1234.0	1170.9
77.5°	466.6	465.1	510.6	771.8	1900.2	3864.9	2120.3	815.8	509.2	471.0	465.1
80°	275.9	275.9	303.7	321.3	500.4	1166.5	559.0	363.9	305.2	278.8	283.2
82.5°	123.3	130.6	192.2	202.5	242.1	319.9	270.0	231.8	199.6	137.9	124.7
85°	67.5	58.7	101.2	105.6	115.9	118.9	127.7	126.2	115.9	67.5	69.0
87.5°	13.2	16.1	29.3	22.0	24.9	22.0	29.3	41.1	42.6	23.5	19.1
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)