

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: P458921

Luminaire Tested: **GLAN-SA4C-735-U-5WQ**

Issue Date: 1/4/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P458921  
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-SA4C-735-U-5WQ  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(4) 70 CRI, 3500K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 27115 lumens  
Efficiency: N/A  
Efficacy: 127.3 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G4

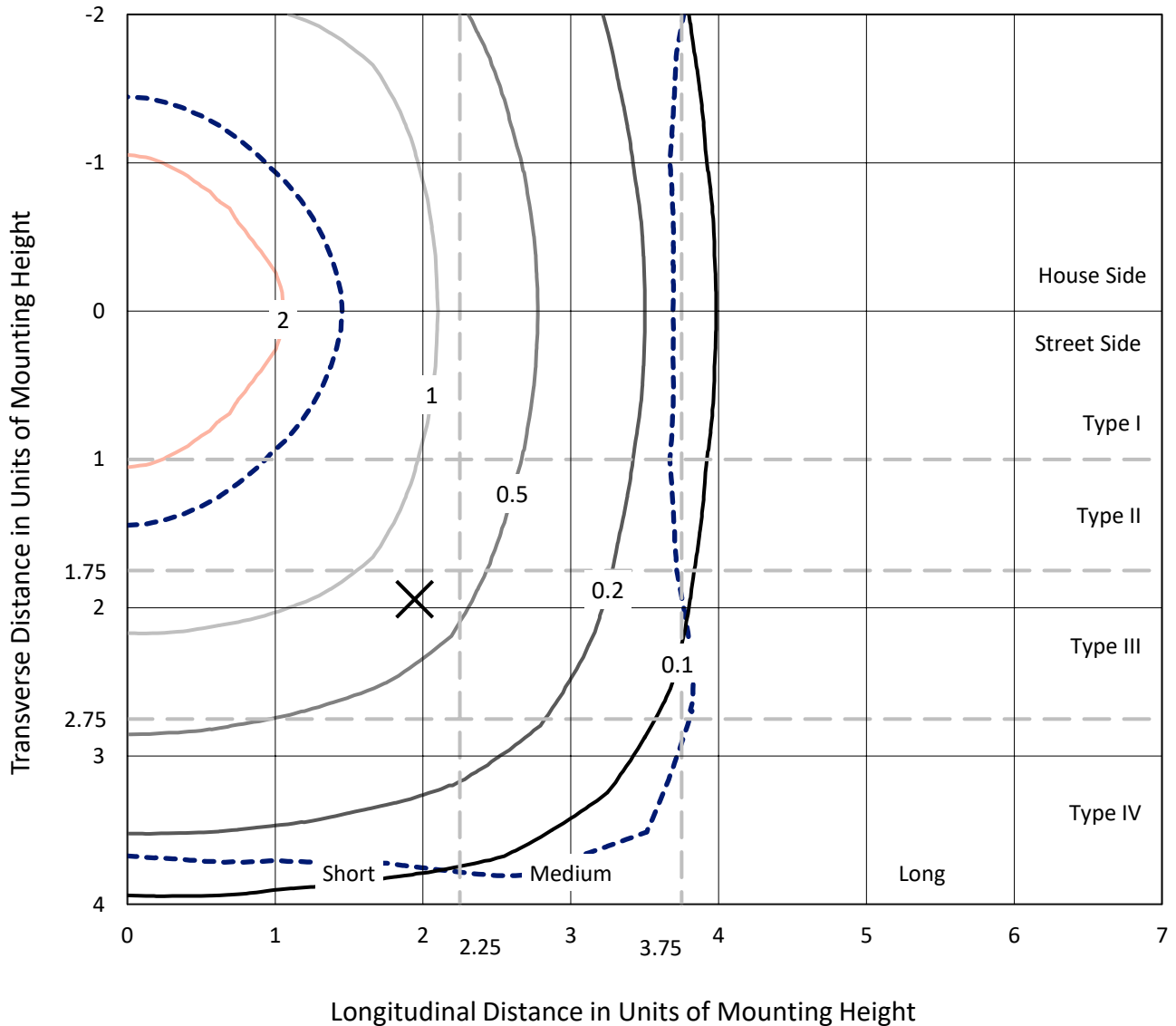
Input Watts (W): 213  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

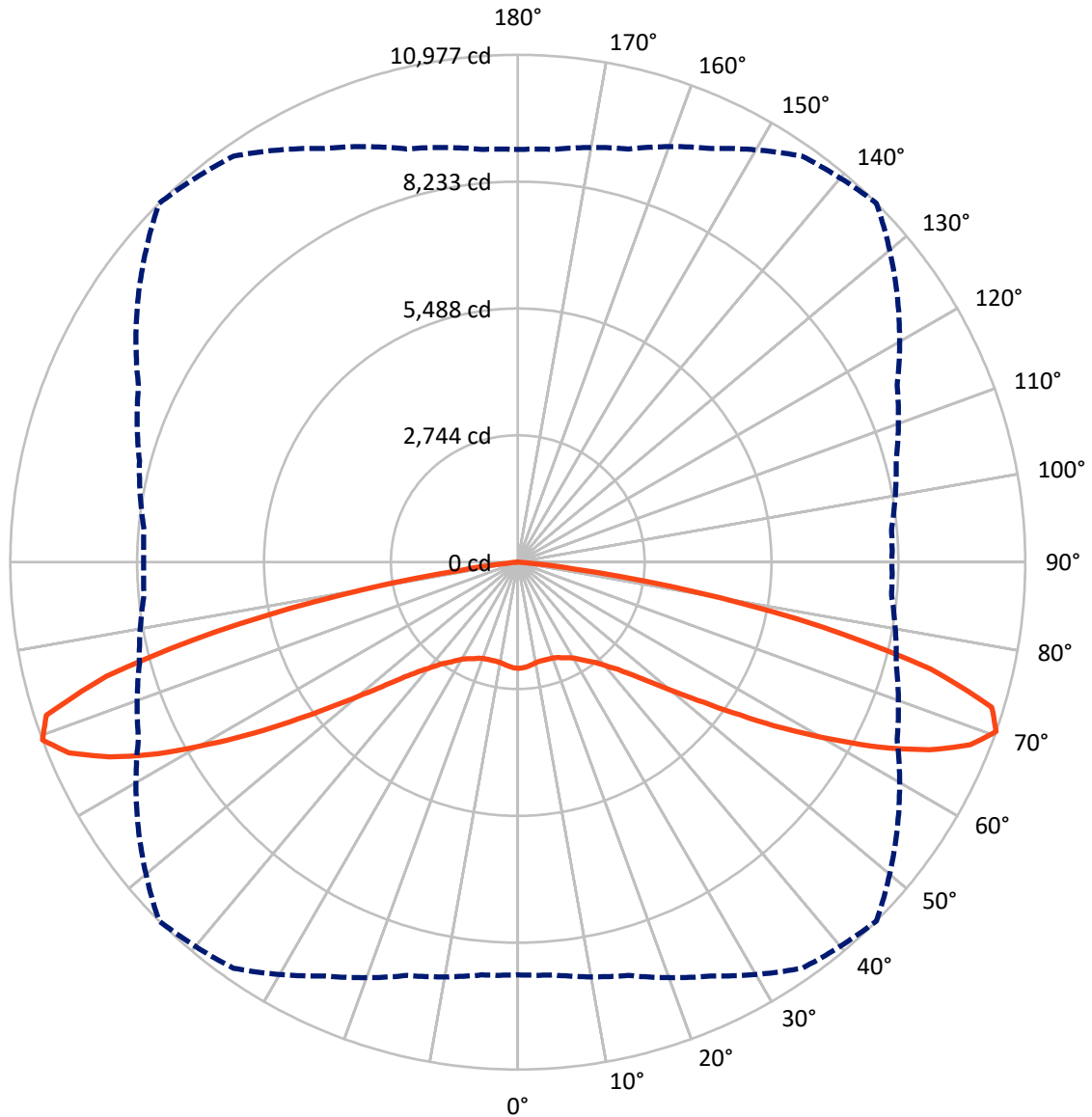
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.7 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
<b>House Side</b>	Lumens	13557.5	0.0	13557.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	13557.5	0.0	13557.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	27115.0	0.0	27115.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	214.7	0.8
10°-20°	628.5	2.3
20°-30°	1070.8	3.9
30°-40°	1659.8	6.1
40°-50°	2793.6	10.3
50°-60°	5082.8	18.7
60°-70°	8605.1	31.7
70°-80°	6660.7	24.6
80°-90°	399.1	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°	27115.0	100.0
0°-180°	27115.0	100.0

**Coefficient of Utilization**



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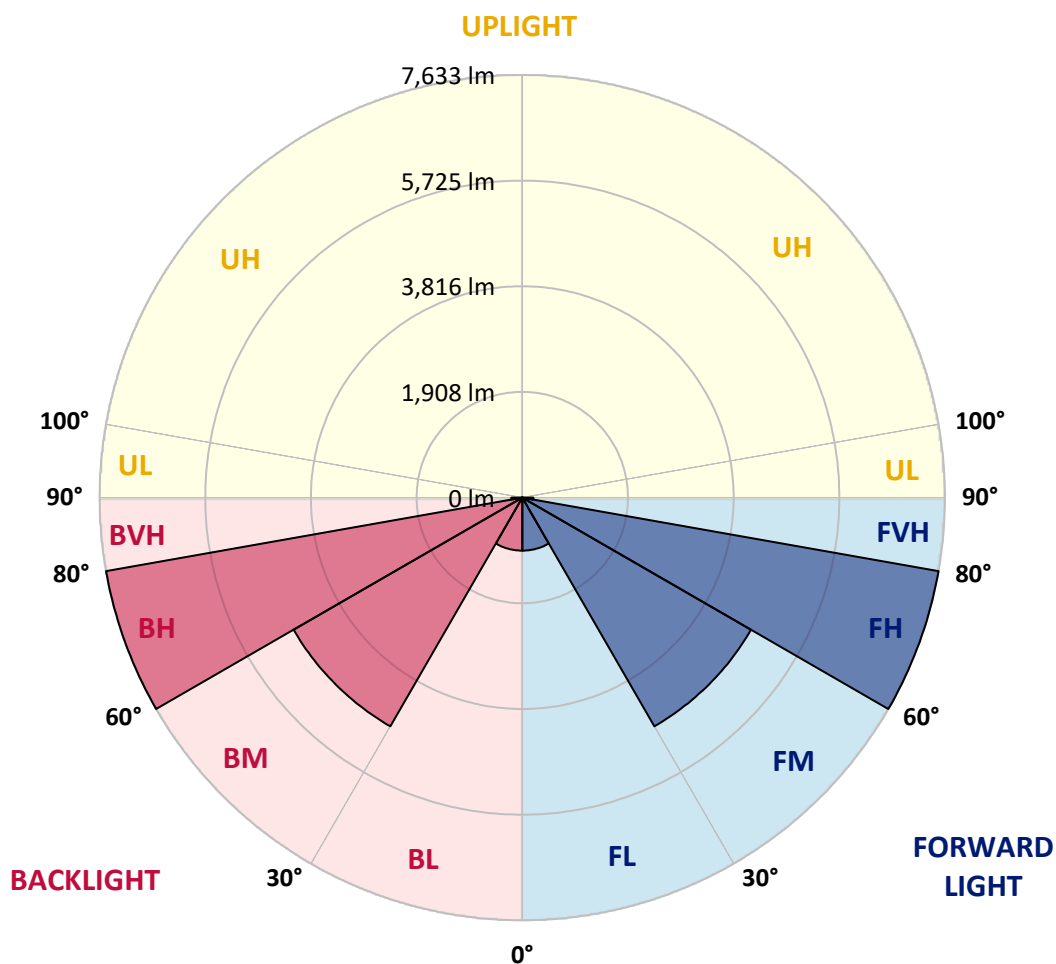
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	957.0	3.5			
FM (30°-60°)	4768.1	17.6			
FH (60°-80°)	7632.9	28.1			G4/12000
FVH (80°-90°)	199.6	0.7			G2/225
BL (0°-30°)	957.0	3.5	B2/1000		
BM (30°-60°)	4768.1	17.6	B3/5000		
BH (60°-80°)	7632.9	28.1	B5		G4/12000
BVH (80°-90°)	199.6	0.7			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°	90°
0°	2295.6	2295.6	2295.6	2295.6	2295.6	2295.6	2295.6	2295.6	2295.6	2295.6	2295.6
2.5°	2289.9	2291.3	2291.3	2288.5	2287.0	2287.0	2285.6	2285.6	2289.9	2291.3	2292.8
5°	2269.8	2269.8	2269.8	2268.4	2265.5	2265.5	2262.7	2262.7	2264.1	2268.4	2265.5
7.5°	2242.6	2245.5	2245.5	2239.8	2235.5	2235.5	2234.0	2235.5	2236.9	2241.2	2239.8
10°	2234.0	2235.5	2228.3	2218.3	2211.1	2206.8	2208.3	2211.1	2218.3	2221.1	2222.6
12.5°	2239.8	2239.8	2226.9	2212.6	2199.7	2193.9	2192.5	2202.5	2215.4	2224.0	2226.9
15°	2246.9	2244.1	2228.3	2209.7	2196.8	2195.4	2193.9	2201.1	2219.7	2236.9	2238.3
17.5°	2251.2	2249.8	2229.7	2206.8	2199.7	2199.7	2198.2	2204.0	2224.0	2245.5	2246.9
20°	2265.5	2261.2	2238.3	2214.0	2208.3	2211.1	2206.8	2214.0	2235.5	2261.2	2267.0
22.5°	2294.2	2289.9	2267.0	2242.6	2239.8	2239.8	2238.3	2245.5	2268.4	2295.6	2299.9
25°	2328.6	2324.3	2302.8	2285.6	2288.5	2294.2	2291.3	2292.8	2311.4	2334.3	2341.4
27.5°	2374.4	2367.2	2348.6	2334.3	2342.9	2342.9	2342.9	2341.4	2352.9	2374.4	2381.5
30°	2430.2	2427.4	2407.3	2405.9	2413.0	2405.9	2405.9	2407.3	2408.8	2428.8	2436.0
32.5°	2503.3	2497.5	2487.5	2484.7	2504.7	2510.4	2490.4	2471.8	2481.8	2501.8	2506.1
35°	2623.6	2615.0	2600.6	2584.9	2600.6	2627.9	2584.9	2570.6	2596.4	2623.6	2626.4
37.5°	2786.8	2782.5	2759.6	2731.0	2729.5	2758.2	2713.8	2712.4	2761.0	2794.0	2798.3
40°	2991.6	2995.9	2967.3	2940.1	2925.7	2948.6	2914.3	2927.2	2974.4	3011.7	3008.8
42.5°	3279.5	3263.7	3219.3	3193.5	3177.8	3169.2	3160.6	3180.6	3233.6	3273.7	3305.2
45°	3616.0	3610.3	3554.4	3522.9	3488.5	3475.6	3472.8	3508.6	3573.0	3621.7	3626.0
47.5°	3996.9	3984.0	3948.2	3915.3	3902.4	3886.7	3872.3	3899.5	3964.0	3998.4	4008.4
50°	4389.3	4392.2	4392.2	4386.4	4399.3	4402.2	4363.5	4373.6	4409.4	4406.5	4403.6
52.5°	4837.6	4853.3	4927.8	4934.9	4996.5	5038.0	4967.9	4926.3	4913.5	4836.1	4841.8
55°	5364.6	5378.9	5490.6	5602.3	5768.4	5838.6	5691.1	5562.2	5470.5	5353.1	5358.8
57.5°	6021.9	6029.0	6135.0	6349.8	6613.3	6778.0	6518.8	6263.9	6077.7	5966.0	5921.6
60°	6729.3	6736.5	6891.1	7153.2	7562.8	7763.3	7442.5	7025.8	6790.9	6620.5	6631.9
62.5°	7578.5	7607.2	7746.1	8107.0	8603.9	8828.7	8403.4	7846.3	7528.4	7316.5	7325.1
65°	8487.9	8536.6	8688.4	9085.1	9543.4	9785.4	9264.1	8621.1	8225.8	7966.6	7993.8
67.5°	9077.9	9120.9	9340.0	9778.2	10349.6	10550.1	9877.0	9128.0	8634.0	8324.7	8267.4
70°	8927.6	8963.4	9255.5	9877.0	10723.4	10976.9	10023.1	9053.6	8472.2	8115.6	8092.7
72.5°	7880.7	7806.2	8233.0	9125.2	10296.6	10721.9	9563.4	8268.8	7537.0	7170.4	7127.4
75°	5222.8	5384.6	6014.7	7065.9	8711.3	9238.3	8162.8	6639.1	5718.3	5413.2	5366.0
77.5°	1745.7	1870.3	2430.2	4005.5	5938.8	6730.8	5947.4	4342.1	3071.8	2474.6	2486.1
80°	462.6	456.8	591.4	1101.3	2566.3	3898.1	2987.3	1470.7	804.8	582.9	552.8
82.5°	166.1	186.2	239.2	305.0	680.2	1211.5	854.9	412.4	302.2	223.4	216.2
85°	73.0	71.6	103.1	121.7	170.4	226.3	200.5	174.7	153.2	101.7	94.5
87.5°	15.8	15.8	24.3	18.6	30.1	30.1	37.2	44.4	45.8	30.1	24.3
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)