

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: P459518

Luminaire Tested: **GLAN-SA9C-735-U-T2R-HSS**

Issue Date: 1/4/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P459518  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-7)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/4/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SA9C-735-U-T2R-HSS  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(9) 70 CRI, 3500K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II  
ROADWAY OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 47535 lumens  
Efficiency: N/A  
Efficacy: 98.8 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B2 - U0 - G4

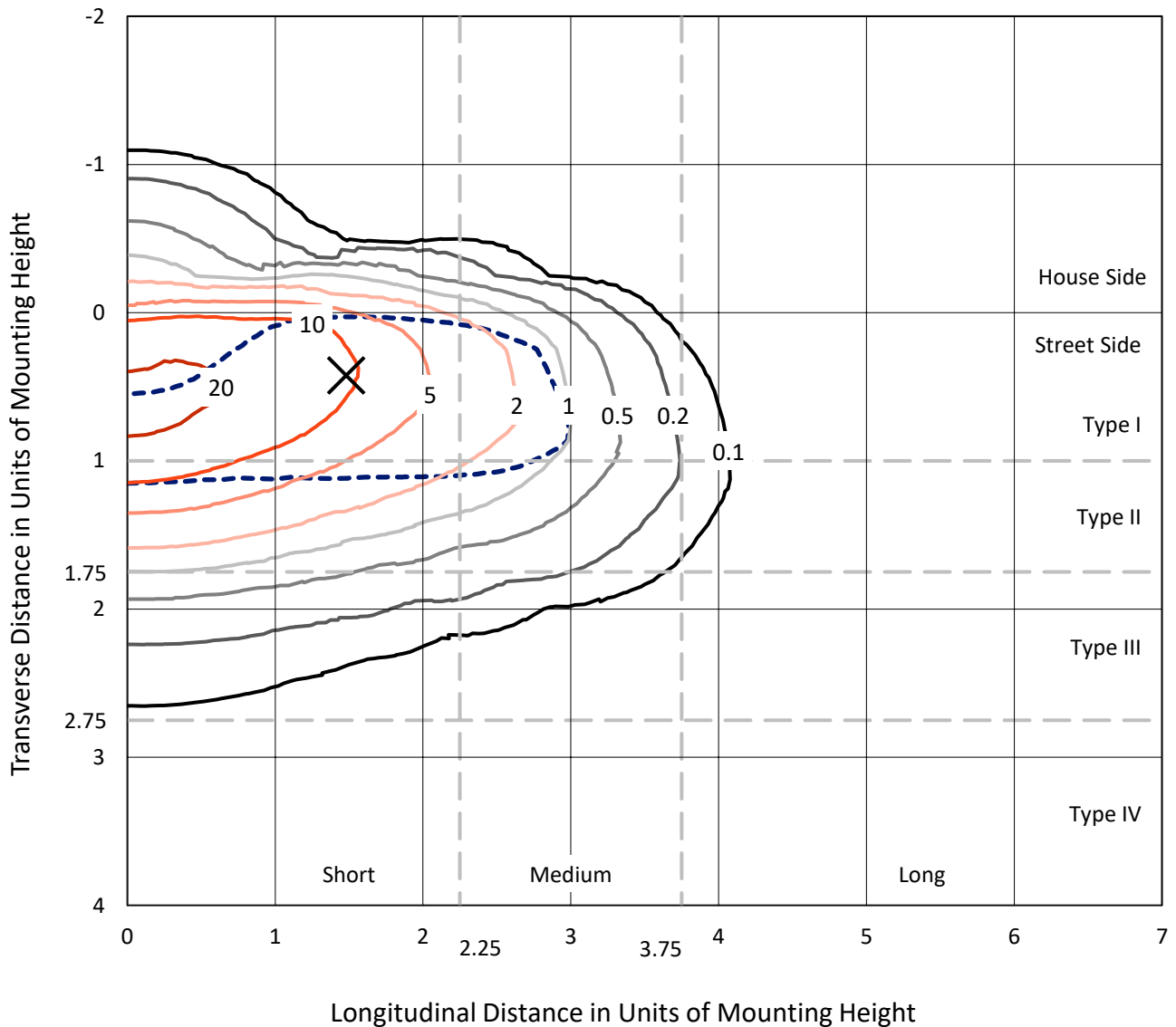
Input Watts (W): 481  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

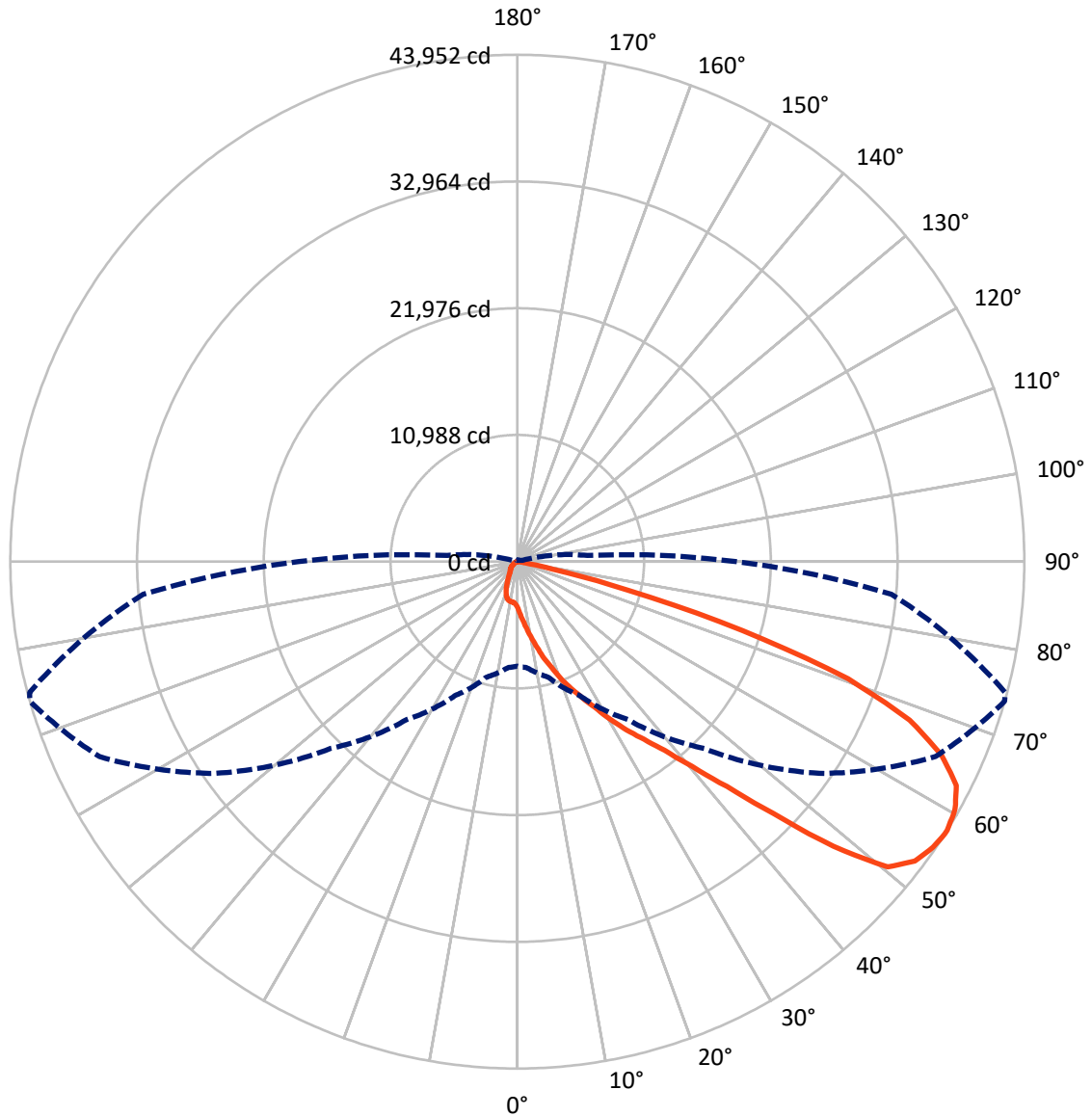
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 24.1 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 74-Deg Lateral    - - - Horizontal Cone Through 57-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2741.7	0.0	2741.7
	% Fixture	5.8	0.0	5.8
<b>Street Side</b>	Lumens	44793.3	0.0	44793.3
	% Fixture	94.2	0.0	94.2
<b>Total</b>	Lumens	47535.0	0.0	47535.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	480.5	1.0
10°-20°	1894.0	4.0
20°-30°	4052.7	8.5
30°-40°	7448.8	15.7
40°-50°	11419.1	24.0
50°-60°	12079.9	25.4
60°-70°	7888.5	16.6
70°-80°	2155.4	4.5
80°-90°	116.0	0.2
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°	47535.0	100.0
0°-180°	47535.0	100.0

**Coefficient of Utilization**



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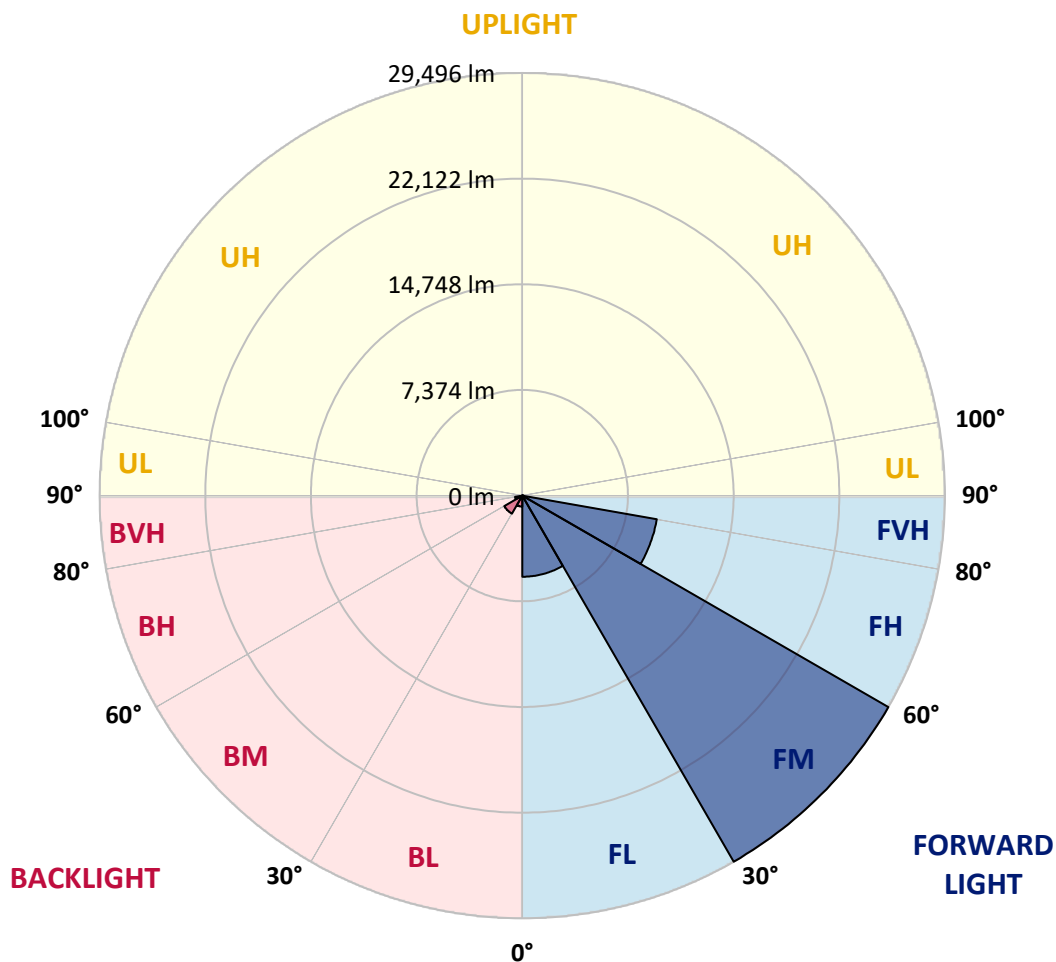
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	5661.4	11.9			
FM (30°-60°)	29496.3	62.1			
FH (60°-80°)	9529.2	20.0			G4/12000
FVH (80°-90°)	106.5	0.2			G2/225
BL (0°-30°)	765.8	1.6	B2/1000		
BM (30°-60°)	1451.5	3.1	B2/2500		
BH (60°-80°)	514.7	1.1	B2/1000		G2/1000
BVH (80°-90°)	9.6	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G4**

Type II Short





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CANDELA DISTRIBUTION (FULL):

Table with 12 columns representing angles from 0° to 85° and 36 rows representing angles from 0° to 90°. Values are in candelas, with some cells highlighted in orange.



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3981.0	3981.0	3981.0	3981.0	3981.0	3981.0	3981.0	3981.0	3981.0	3981.0	3981.0
2.5°	4099.1	3967.9	3725.0	3492.0	3318.0	3206.5	3062.1	3009.5	2934.1	2924.2	2888.1
5°	4276.4	4026.9	3603.6	3268.8	2999.7	2796.2	2619.0	2471.3	2353.2	2326.9	2340.0
7.5°	4529.1	4158.2	3567.5	3111.3	2737.1	2389.3	2107.0	1933.1	1808.3	1762.4	1769.0
10°	4814.6	4332.2	3560.9	2943.9	2372.8	1946.2	1637.7	1483.4	1411.2	1385.0	1355.4
12.5°	5152.6	4532.4	3544.5	2684.6	1972.4	1552.4	1332.5	1240.6	1171.7	1152.0	1152.0
15°	5533.4	4745.7	3465.7	2363.0	1601.6	1283.2	1135.6	1063.3	1040.4	1020.7	1020.7
17.5°	5930.5	4955.7	3301.6	1965.9	1329.2	1099.5	1007.6	964.9	932.1	909.1	909.1
20°	6383.4	5162.5	3039.1	1614.7	1122.4	981.3	909.1	859.9	833.6	813.9	807.4
22.5°	6813.3	5329.9	2704.3	1325.9	978.0	882.8	817.2	764.7	738.4	728.6	728.6
25°	7259.7	5431.6	2300.6	1096.2	892.7	800.8	728.6	685.9	663.0	656.4	653.1
27.5°	7692.9	5490.7	1946.2	958.3	813.9	725.3	656.4	623.6	600.6	594.0	597.3
30°	8218.0	5500.5	1601.6	859.9	745.0	653.1	590.7	561.2	548.1	541.5	538.2
32.5°	8749.7	5487.4	1345.6	800.8	679.4	590.7	538.2	515.3	505.4	495.6	495.6
35°	9347.0	5418.5	1145.4	741.7	617.0	538.2	492.3	472.6	459.5	449.6	446.3
37.5°	10088.7	5382.4	1030.5	676.1	561.2	489.0	446.3	426.7	416.8	403.7	400.4
40°	11257.1	5543.2	994.4	617.0	505.4	443.1	403.7	380.7	367.6	354.4	351.2
42.5°	12714.2	5825.4	935.4	557.9	456.2	400.4	361.0	334.8	311.8	295.4	288.8
45°	14601.4	6196.3	843.5	495.6	413.5	354.4	318.3	285.5	256.0	242.9	239.6
47.5°	16580.4	6554.0	761.4	446.3	367.6	315.1	275.7	239.6	213.3	203.5	200.2
50°	17794.7	6626.2	708.9	390.6	321.6	272.4	233.0	200.2	183.8	173.9	173.9
52.5°	18349.3	6511.4	636.7	341.3	279.0	239.6	200.2	173.9	164.1	157.5	154.3
55°	18736.6	6334.1	541.5	295.4	239.6	203.5	177.2	157.5	144.4	137.8	134.6
57°	18963.1	6094.6	469.3	259.3	206.8	177.2	157.5	141.1	128.0	114.9	114.9
57.5°	18972.9	6002.7	449.6	256.0	196.9	170.7	154.3	137.8	121.4	108.3	105.0
60°	18680.8	5372.5	361.0	216.6	157.5	144.4	128.0	108.3	85.3	72.2	68.9
62.5°	17742.2	4571.7	298.7	183.8	128.0	111.6	91.9	82.0	59.1	42.7	42.7
65°	16321.1	3708.6	256.0	147.7	105.0	82.0	62.4	59.1	36.1	19.7	16.4
67.5°	14266.6	2888.1	216.6	121.4	88.6	59.1	42.7	39.4	19.7	6.6	0.0
70°	10869.8	1969.2	180.5	98.5	65.6	42.7	29.5	23.0	13.1	3.3	0.0
72.5°	6265.2	1083.0	151.0	75.5	49.2	32.8	23.0	13.1	13.1	0.0	0.0
75°	2238.3	466.0	114.9	55.8	39.4	26.3	16.4	6.6	9.8	3.3	0.0
77.5°	712.2	249.4	75.5	42.7	32.8	19.7	13.1	6.6	6.6	3.3	0.0
80°	210.0	131.3	45.9	36.1	23.0	16.4	9.8	3.3	6.6	3.3	0.0
82.5°	114.9	65.6	36.1	26.3	23.0	13.1	9.8	3.3	3.3	3.3	0.0
85°	59.1	39.4	29.5	26.3	23.0	13.1	9.8	3.3	0.0	3.3	3.3
87.5°	32.8	29.5	29.5	26.3	23.0	16.4	9.8	3.3	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)