

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: P316810

Luminaire Tested: **GAN-SA6C-740-U-5NQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316810
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-5)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA6C-740-U-5NQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 4000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V
NARROW OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 43637 lumens
Efficiency: N/A
Efficacy: 131.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

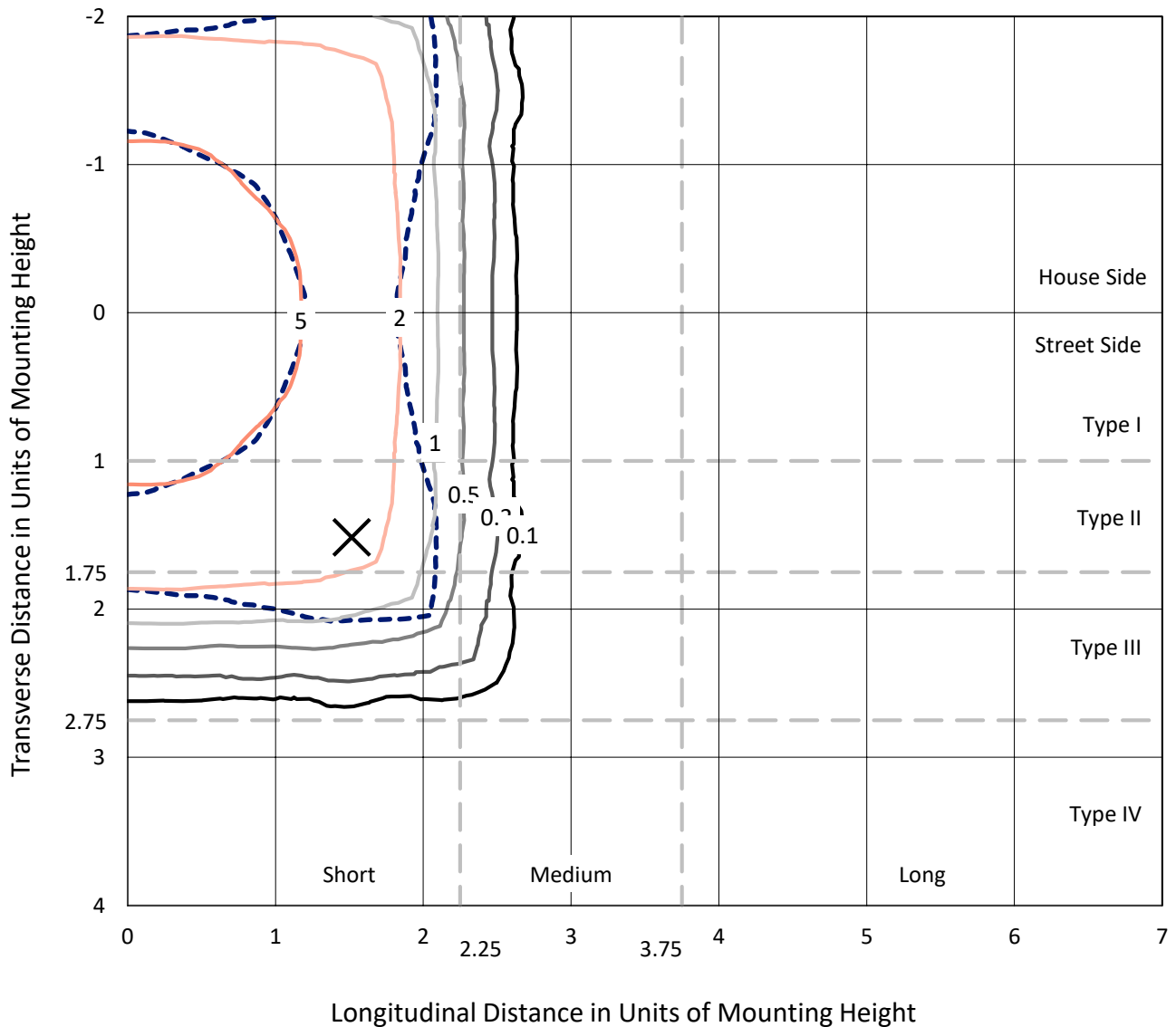
Input Watts (W): 333
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

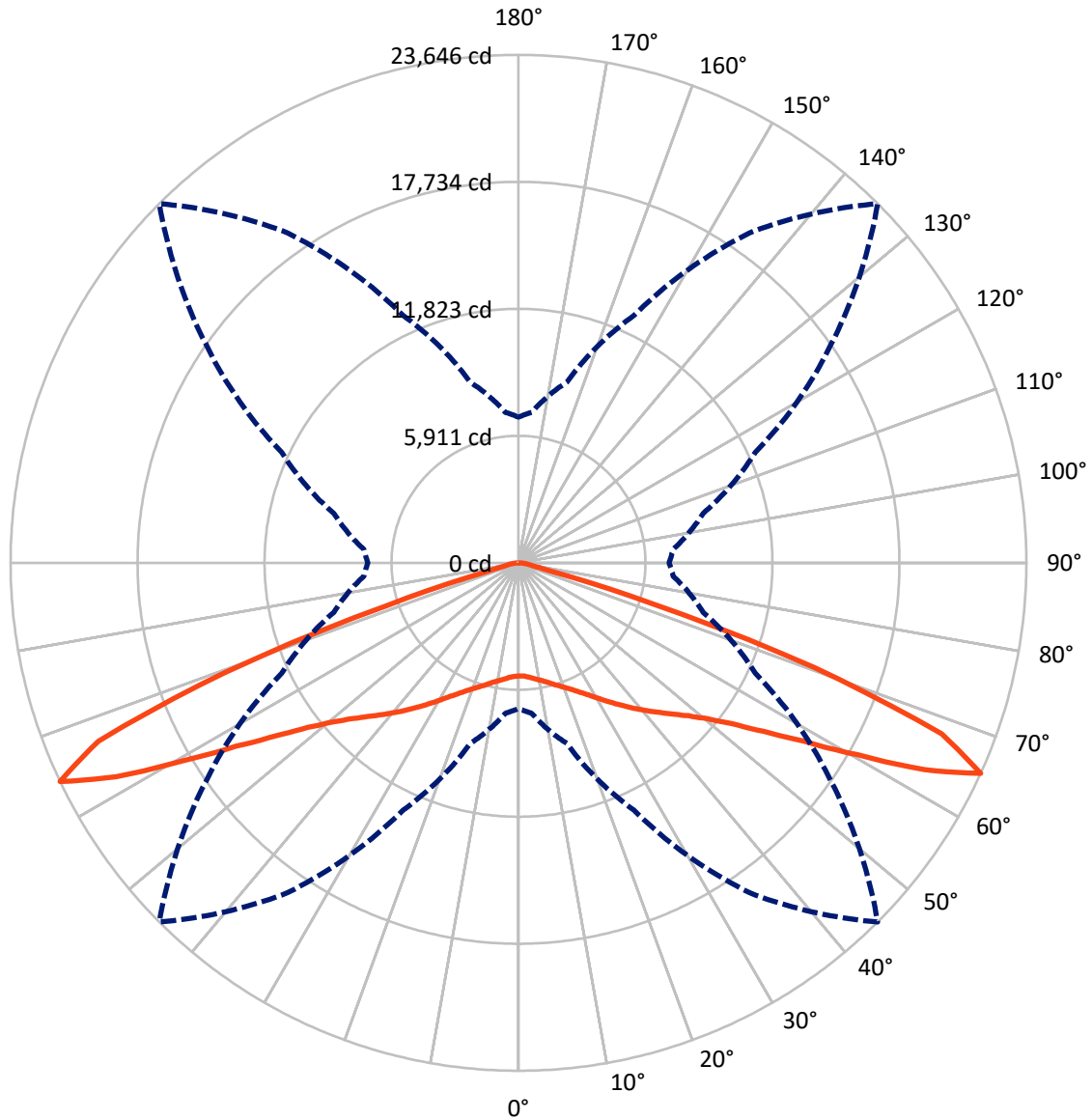
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.5 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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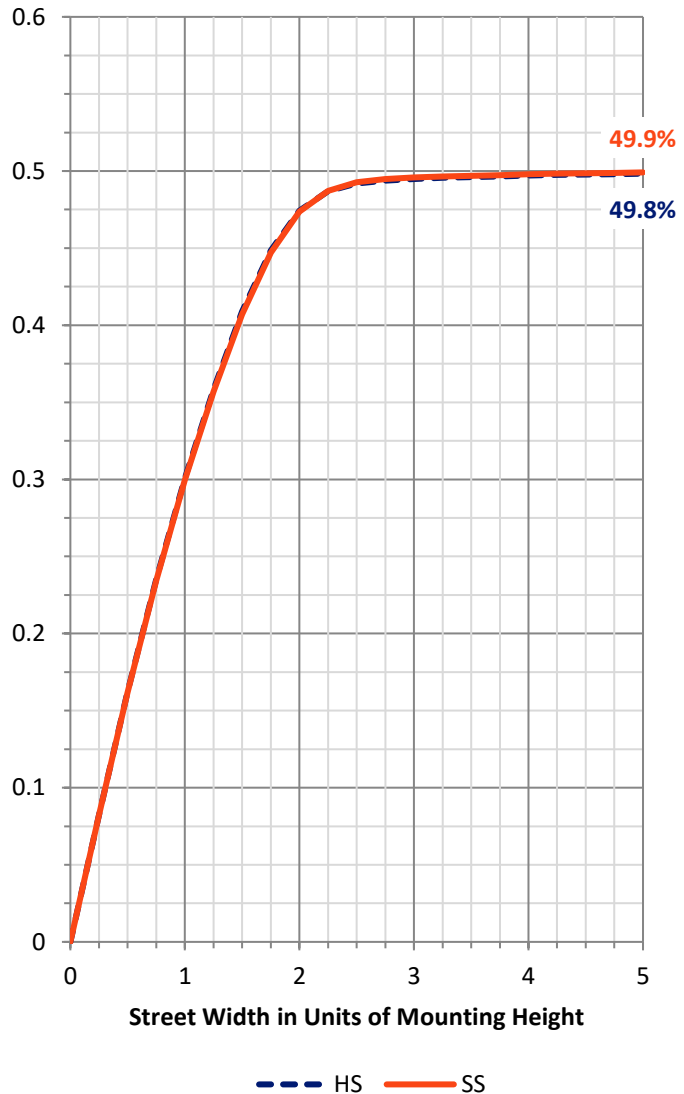
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	21818.5	0.0	21818.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	21818.5	0.0	21818.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	43637.0	0.0	43637.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	517.0	1.2
10°-20°	1661.9	3.8
20°-30°	3118.0	7.1
30°-40°	5156.5	11.8
40°-50°	7986.8	18.3
50°-60°	12249.5	28.1
60°-70°	11430.1	26.2
70°-80°	1330.3	3.0
80°-90°	186.9	0.4
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°	43637.0	100.0
0°-180°	43637.0	100.0

Coefficient of Utilization



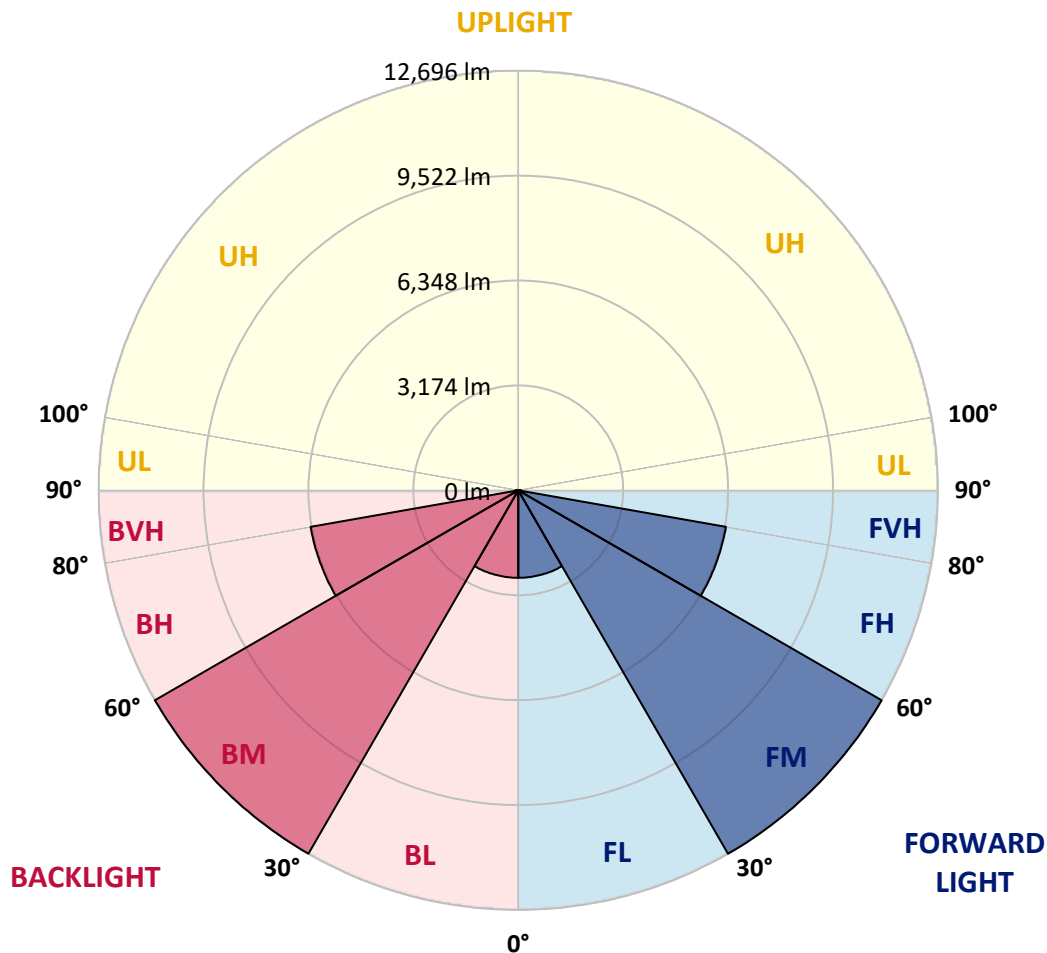
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2648.4	6.1			
FM (30°-60°)	12696.4	29.1			
FH (60°-80°)	6380.2	14.6			G3/7500
FVH (80°-90°)	93.5	0.2			G1/100
BL (0°-30°)	2648.4	6.1	B4/5000		
BM (30°-60°)	12696.4	29.1	B5		
BH (60°-80°)	6380.2	14.6	B5		G3/7500
BVH (80°-90°)	93.5	0.2			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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	5269.7	5269.7	5269.7	5269.7	5269.7	5269.7	5269.7	5269.7	5269.7	5269.7	5269.7
2.5°	5287.1	5284.2	5287.1	5288.6	5279.9	5284.2	5282.8	5290.0	5292.9	5290.0	5290.0
5°	5347.9	5343.6	5349.4	5356.6	5345.0	5347.9	5343.6	5352.3	5355.2	5349.4	5353.7
7.5°	5432.0	5433.4	5439.2	5452.2	5445.0	5450.8	5442.1	5443.5	5442.1	5433.4	5434.9
10°	5523.2	5524.7	5534.8	5552.2	5555.1	5555.1	5549.3	5544.9	5539.1	5533.4	5534.8
12.5°	5633.3	5640.5	5647.8	5669.5	5669.5	5681.1	5678.2	5666.6	5656.5	5647.8	5647.8
15°	5782.5	5781.0	5789.7	5811.5	5821.6	5840.4	5840.4	5824.5	5811.5	5802.8	5799.9
17.5°	5938.9	5943.3	5949.1	5975.2	5991.1	6012.8	6015.7	6002.7	5994.0	5982.4	5975.2
20°	6121.5	6128.7	6151.9	6162.0	6176.5	6196.8	6204.0	6201.1	6192.4	6186.6	6188.1
22.5°	6334.4	6353.2	6367.7	6382.2	6399.6	6414.1	6421.3	6431.4	6422.7	6418.4	6415.5
25°	6592.2	6605.3	6634.2	6660.3	6671.9	6676.2	6684.9	6699.4	6698.0	6687.8	6687.8
27.5°	6884.8	6909.4	6945.7	6983.3	6983.3	6968.8	6997.8	7022.4	7013.7	7000.7	6983.3
30°	7239.7	7262.9	7304.9	7357.0	7331.0	7320.8	7359.9	7404.8	7391.8	7370.1	7367.2
32.5°	7622.1	7643.8	7698.9	7755.4	7722.1	7707.6	7749.6	7814.8	7791.6	7748.1	7722.1
35°	8036.4	8058.1	8136.3	8204.4	8147.9	8123.3	8158.1	8229.0	8188.5	8107.4	8087.1
37.5°	8486.9	8498.5	8599.9	8669.4	8630.3	8565.1	8608.6	8660.7	8625.9	8527.4	8488.3
40°	8954.8	8996.8	9114.1	9195.2	9127.1	9024.3	9096.7	9169.1	9117.0	8991.0	8924.3
42.5°	9500.9	9532.7	9689.2	9761.6	9651.5	9506.6	9605.1	9703.6	9651.5	9529.8	9471.9
45°	10068.7	10117.9	10304.8	10377.2	10217.9	10033.9	10154.1	10326.5	10322.2	10146.9	10086.1
47.5°	10687.2	10736.4	10959.5	11055.1	10882.7	10636.5	10806.0	11049.3	11031.9	10839.3	10790.0
50°	11401.3	11453.5	11731.6	11851.8	11691.0	11404.2	11659.1	11873.5	11841.7	11604.1	11608.4
52.5°	12297.9	12295.0	12641.2	12849.8	12684.7	12431.2	12665.9	12874.5	12742.6	12413.8	12403.7
55°	13083.0	13130.8	13559.6	13955.1	13944.9	13847.9	13942.0	13950.7	13574.1	13136.6	13083.0
57.5°	13598.7	13690.0	14294.0	15009.6	15545.5	15674.4	15491.9	14938.6	14056.5	13356.8	13271.4
60°	13281.5	13420.5	14369.3	15828.0	17406.9	18164.5	17134.6	15418.1	13681.3	12706.4	12590.5
62.5°	11140.6	11375.2	12764.4	15432.5	19008.9	21223.7	18325.2	14648.9	12189.3	10846.5	10648.1
65°	6784.9	7032.6	8707.1	12702.1	18749.7	23645.7	17782.0	12158.9	8896.8	7226.7	7012.3
67.5°	2261.1	2333.6	3320.0	7021.0	14735.8	21245.5	14760.4	7278.8	3871.9	2566.8	2491.5
70°	885.0	892.3	1053.1	2035.2	6958.7	14592.4	7678.6	2071.4	1100.9	870.6	889.4
72.5°	650.4	653.3	698.2	850.3	1813.5	6428.5	1878.7	854.6	679.4	609.8	609.8
75°	522.9	522.9	554.8	620.0	812.6	1474.6	824.2	612.7	531.6	486.7	480.9
77.5°	412.8	421.5	446.1	488.2	550.4	709.8	570.7	485.3	428.8	386.8	378.1
80°	307.1	315.8	356.3	376.6	395.4	492.5	421.5	379.5	339.0	289.7	281.0
82.5°	201.3	210.0	260.7	272.3	268.0	321.6	283.9	279.6	249.1	186.9	178.2
85°	131.8	134.7	173.8	181.1	166.6	146.3	181.1	191.2	173.8	121.7	117.3
87.5°	62.3	62.3	88.4	82.6	75.3	60.8	82.6	97.1	98.5	59.4	57.9
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)