

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: P316850

Luminaire Tested: **GAN-SA6C-750-U-5NQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316850
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-750-U-5NQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 5000K, 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: 43636 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

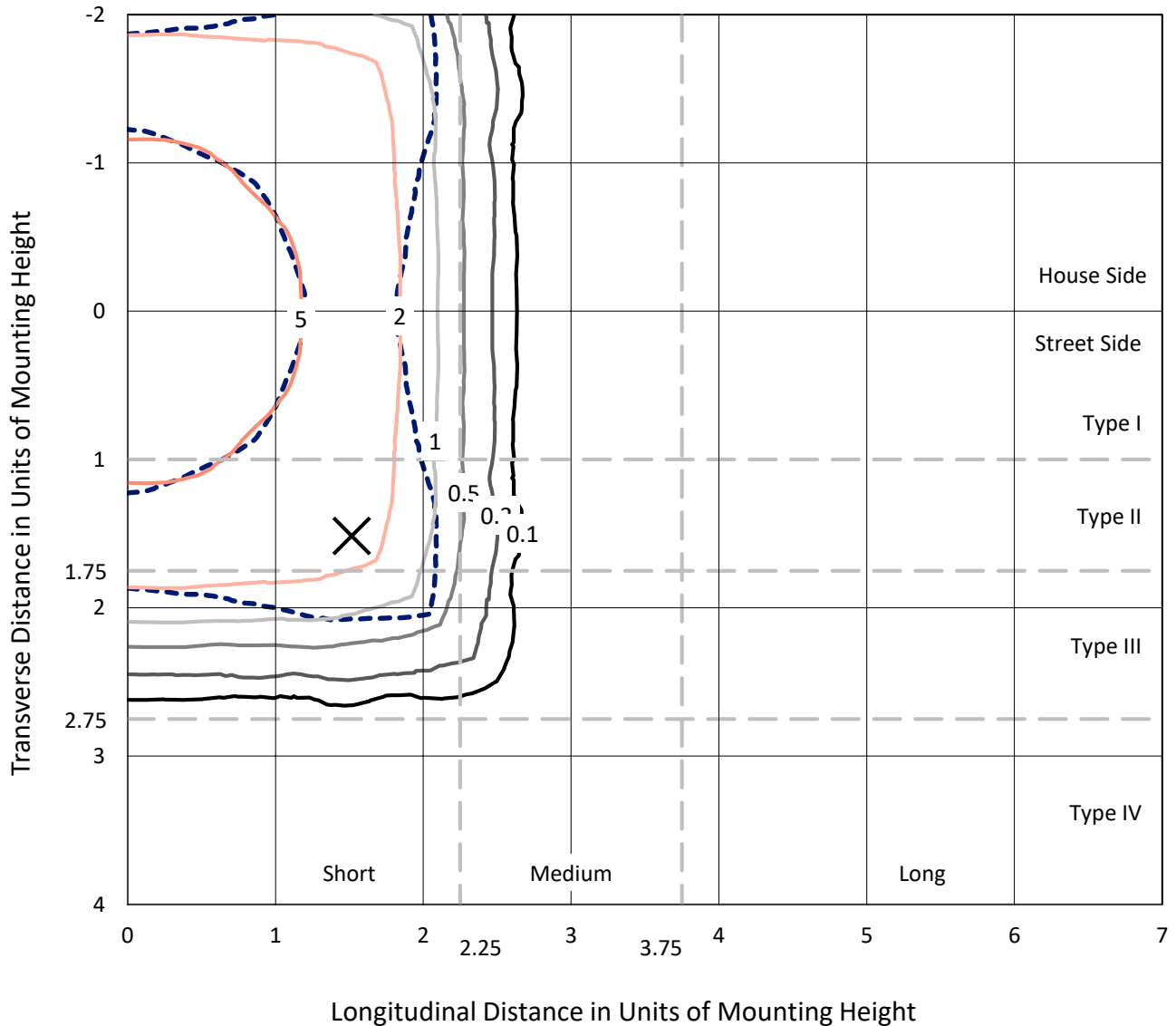
Input Watts (W): 333
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

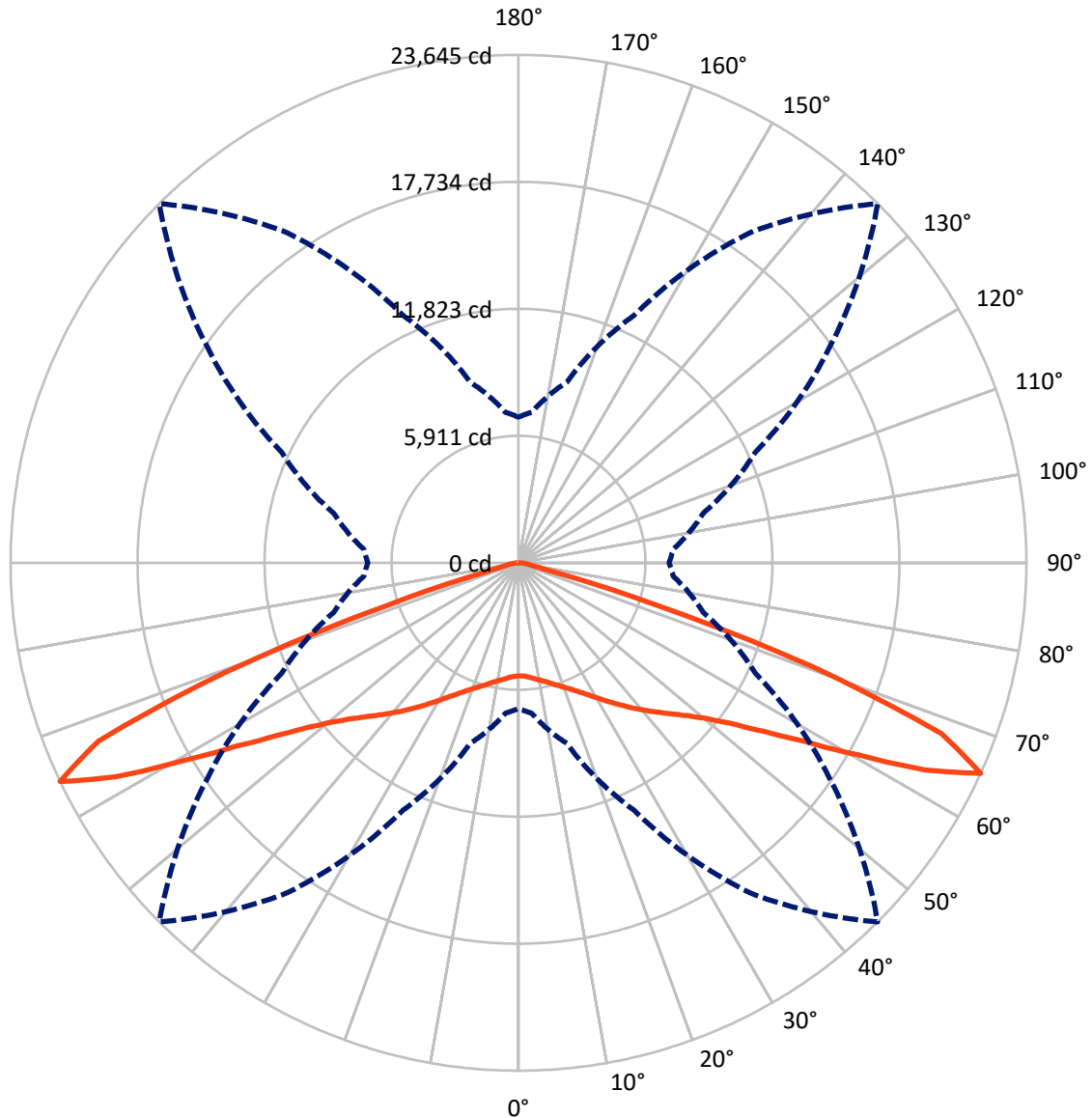
✕ Max cd
 - - - 1/2 Max cd



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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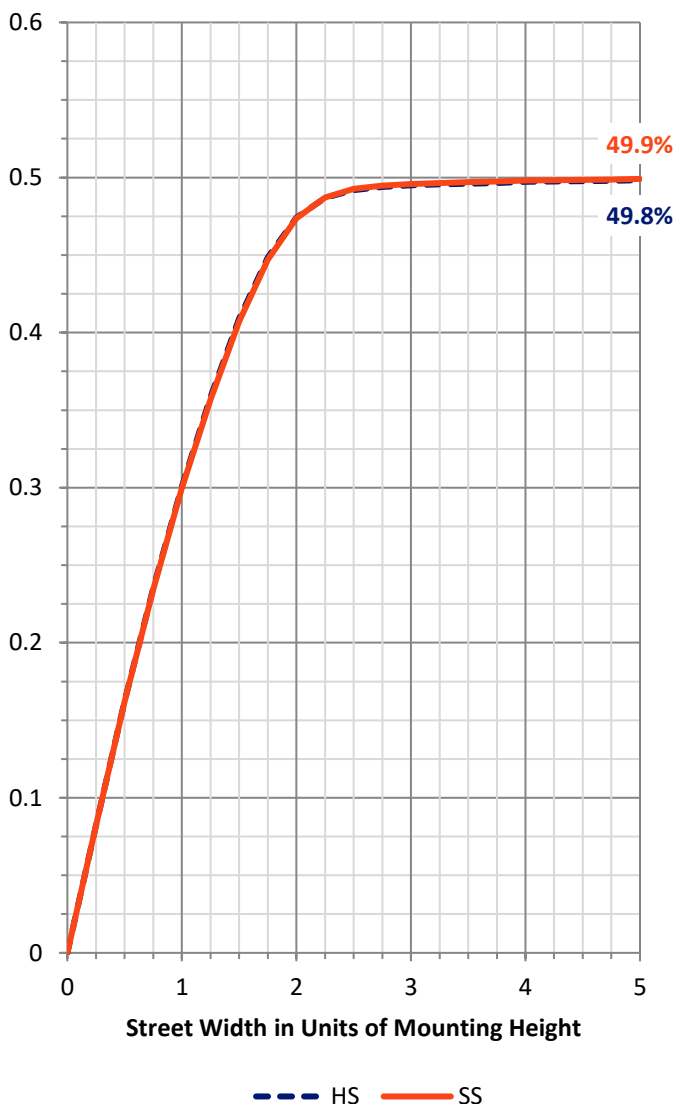
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	21818.0	0.0	21818.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	21818.0	0.0	21818.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	43636.0	0.0	43636.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	517.0	1.2
10°-20°	1661.8	3.8
20°-30°	3117.9	7.1
30°-40°	5156.4	11.8
40°-50°	7986.6	18.3
50°-60°	12249.2	28.1
60°-70°	11429.9	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°	43636.0	100.0
0°-180°	43636.0	100.0

Coefficient of Utilization



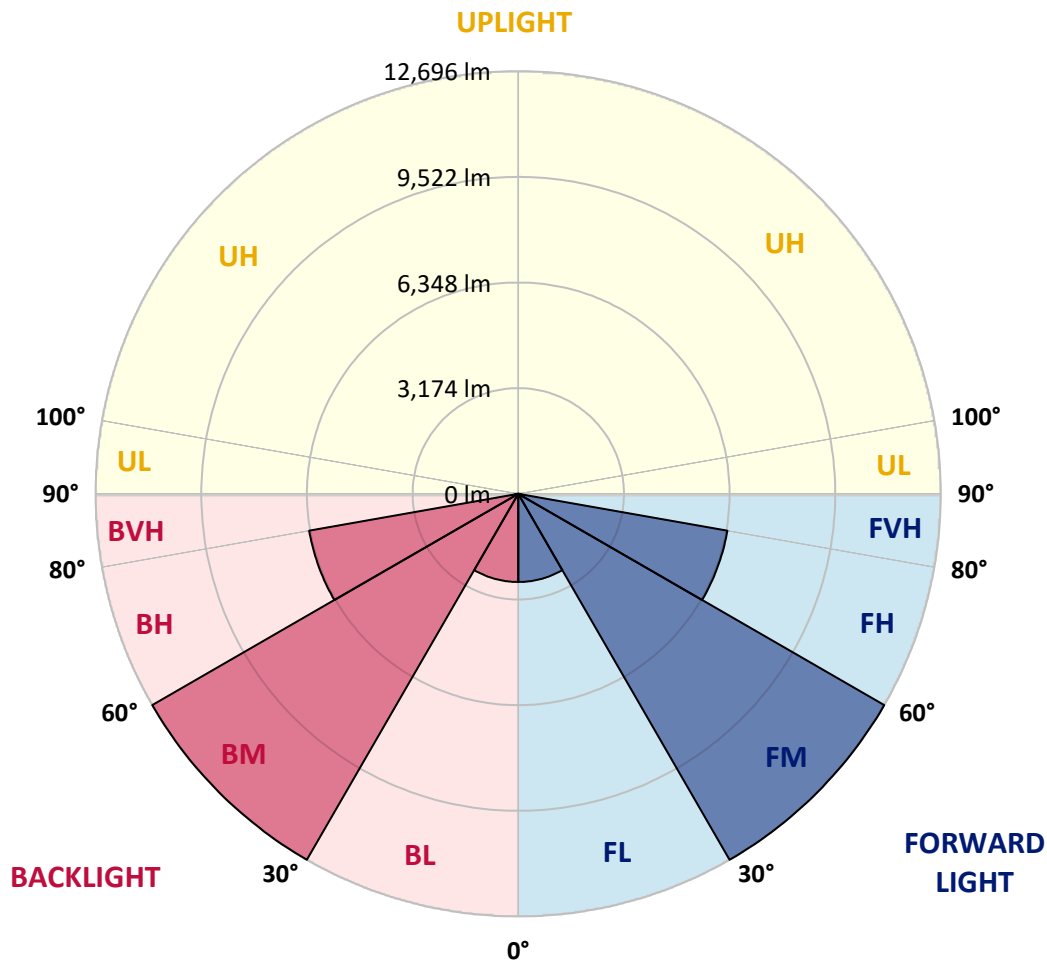
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2648.4	6.1			
FM (30°-60°)	12696.1	29.1			
FH (60°-80°)	6380.1	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°)	12696.1	29.1	B5		
BH (60°-80°)	6380.1	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°	5269.6	5269.6	5269.6	5269.6	5269.6	5269.6	5269.6	5269.6	5269.6	5269.6	5269.6
2.5°	5287.0	5284.1	5287.0	5288.4	5279.7	5284.1	5282.6	5289.9	5292.8	5289.9	5289.9
5°	5347.8	5343.5	5349.3	5356.5	5344.9	5347.8	5343.5	5352.2	5355.1	5349.3	5353.6
7.5°	5431.8	5433.3	5439.1	5452.1	5444.9	5450.7	5442.0	5443.4	5442.0	5433.3	5434.7
10°	5523.1	5524.5	5534.7	5552.1	5555.0	5555.0	5549.2	5544.8	5539.0	5533.2	5534.7
12.5°	5633.2	5640.4	5647.7	5669.4	5669.4	5681.0	5678.1	5666.5	5656.3	5647.7	5647.7
15°	5782.4	5780.9	5789.6	5811.3	5821.5	5840.3	5840.3	5824.4	5811.3	5802.6	5799.7
17.5°	5938.8	5943.1	5948.9	5975.0	5990.9	6012.7	6015.6	6002.5	5993.8	5982.3	5975.0
20°	6121.3	6128.6	6151.7	6161.9	6176.4	6196.6	6203.9	6201.0	6192.3	6186.5	6187.9
22.5°	6334.2	6353.1	6367.6	6382.0	6399.4	6413.9	6421.1	6431.3	6422.6	6418.3	6415.4
25°	6592.1	6605.1	6634.1	6660.1	6671.7	6676.1	6684.8	6699.3	6697.8	6687.7	6687.7
27.5°	6884.7	6909.3	6945.5	6983.2	6983.2	6968.7	6997.6	7022.3	7013.6	7000.5	6983.2
30°	7239.5	7262.7	7304.7	7356.9	7330.8	7320.7	7359.8	7404.7	7391.6	7369.9	7367.0
32.5°	7621.9	7643.7	7698.7	7755.2	7721.9	7707.4	7749.4	7814.6	7791.4	7748.0	7721.9
35°	8036.2	8057.9	8136.2	8204.2	8147.7	8123.1	8157.9	8228.9	8188.3	8107.2	8086.9
37.5°	8486.7	8498.3	8599.7	8669.2	8630.1	8564.9	8608.4	8660.5	8625.7	8527.2	8488.1
40°	8954.6	8996.6	9113.9	9195.0	9126.9	9024.1	9096.5	9168.9	9116.8	8990.8	8924.1
42.5°	9500.6	9532.5	9688.9	9761.4	9651.3	9506.4	9604.9	9703.4	9651.3	9529.6	9471.7
45°	10068.4	10117.7	10304.5	10377.0	10217.6	10033.7	10153.9	10326.3	10321.9	10146.7	10085.8
47.5°	10686.9	10736.2	10959.3	11054.9	10882.5	10636.2	10805.7	11049.1	11031.7	10839.0	10789.8
50°	11401.0	11453.2	11731.3	11851.5	11690.7	11403.9	11658.9	11873.3	11841.4	11603.8	11608.2
52.5°	12297.7	12294.8	12641.0	12849.5	12684.4	12430.9	12665.6	12874.2	12742.3	12413.5	12403.4
55°	13082.7	13130.5	13559.3	13954.7	13944.6	13847.5	13941.7	13950.4	13573.8	13136.3	13082.7
57.5°	13598.4	13689.7	14293.7	15009.2	15545.2	15674.1	15491.6	14938.3	14056.1	13356.5	13271.0
60°	13281.2	13420.2	14369.0	15827.6	17406.5	18164.0	17134.2	15417.7	13681.0	12706.1	12590.3
62.5°	11140.3	11375.0	12764.1	15432.2	19008.5	21223.2	18324.8	14648.6	12189.0	10846.3	10647.8
65°	6784.7	7032.4	8706.9	12701.8	18749.2	23645.1	17781.6	12158.6	8896.6	7226.5	7012.1
67.5°	2261.1	2333.5	3319.9	7020.8	14735.5	21245.0	14760.1	7278.7	3871.8	2566.7	2491.4
70°	885.0	892.3	1053.1	2035.1	6958.5	14592.1	7678.4	2071.3	1100.9	870.5	889.4
72.5°	650.4	653.3	698.2	850.3	1813.5	6428.4	1878.7	854.6	679.3	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	488.1	550.4	709.8	570.7	485.2	428.8	386.7	378.1
80°	307.1	315.8	356.3	376.6	395.4	492.5	421.5	379.5	338.9	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	97.0	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)