

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: P316464

Luminaire Tested: **GAN-SA0D-730-U-5MQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316464
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-6)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA0D-730-U-5MQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(10) 70 CRI, 3000K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V
MEDIUM OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 73474 lumens
Efficiency: N/A
Efficacy: 114.8 lumens/watt
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G5

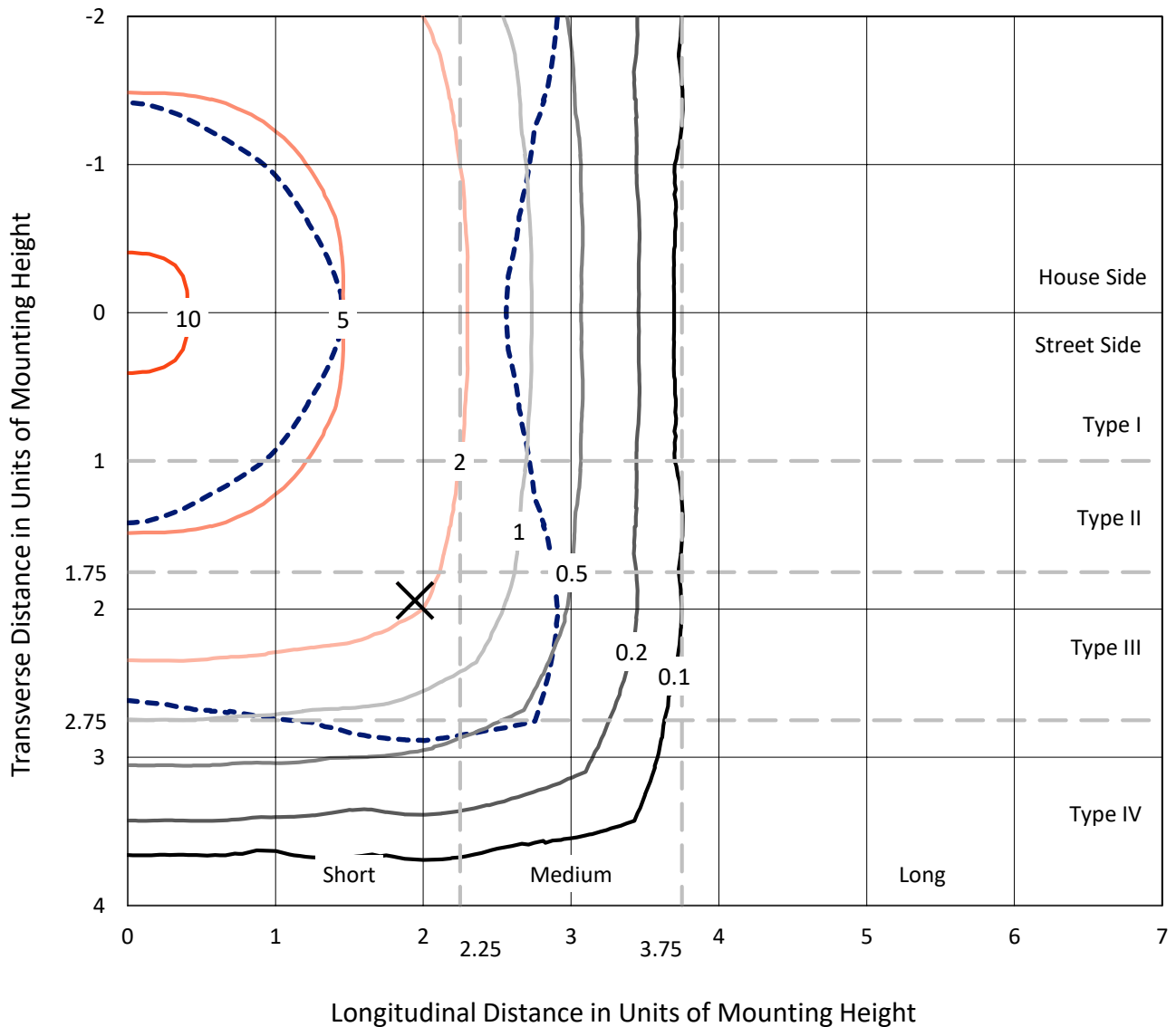
Input Watts (W): 640
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

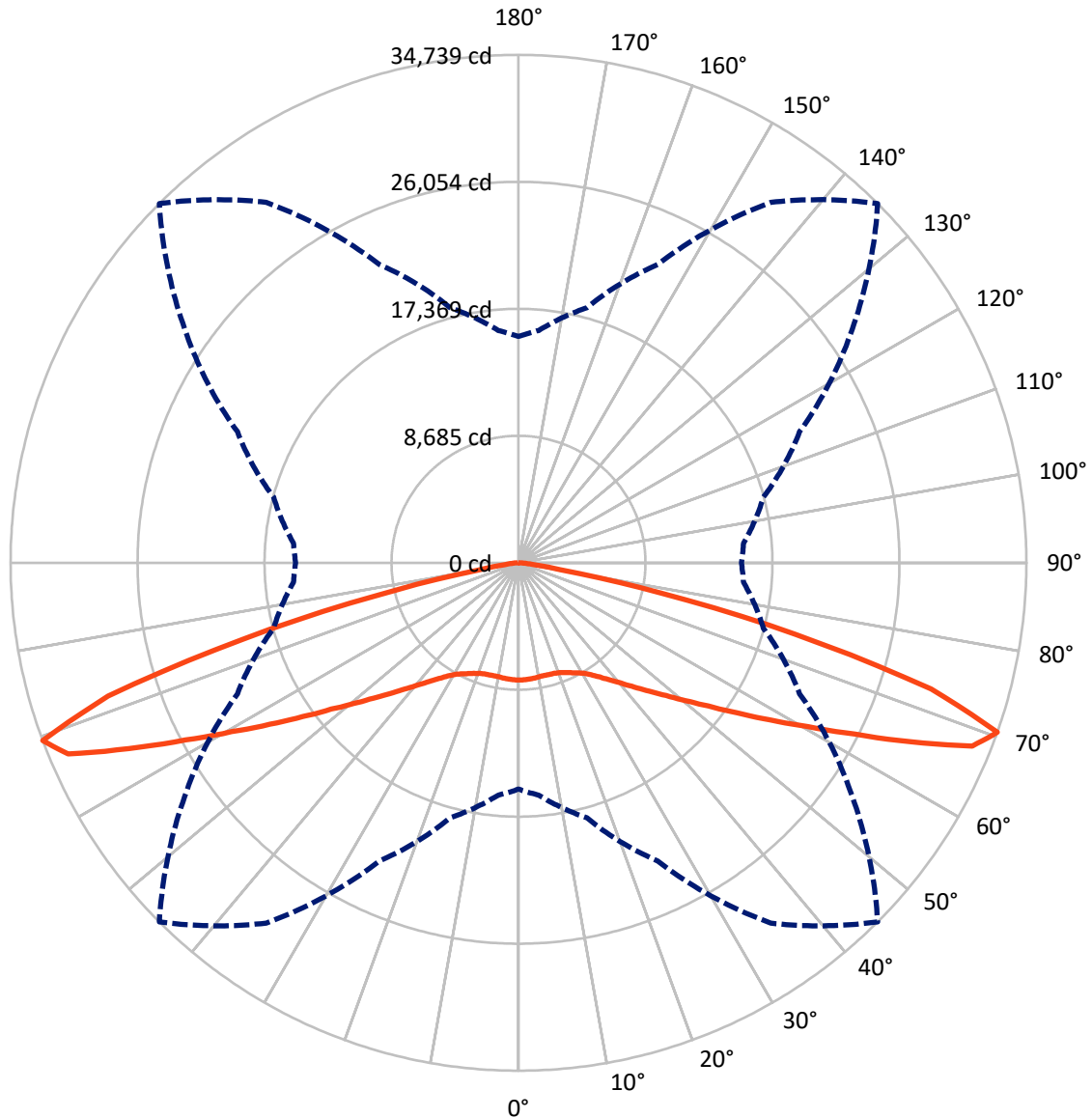
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12.8 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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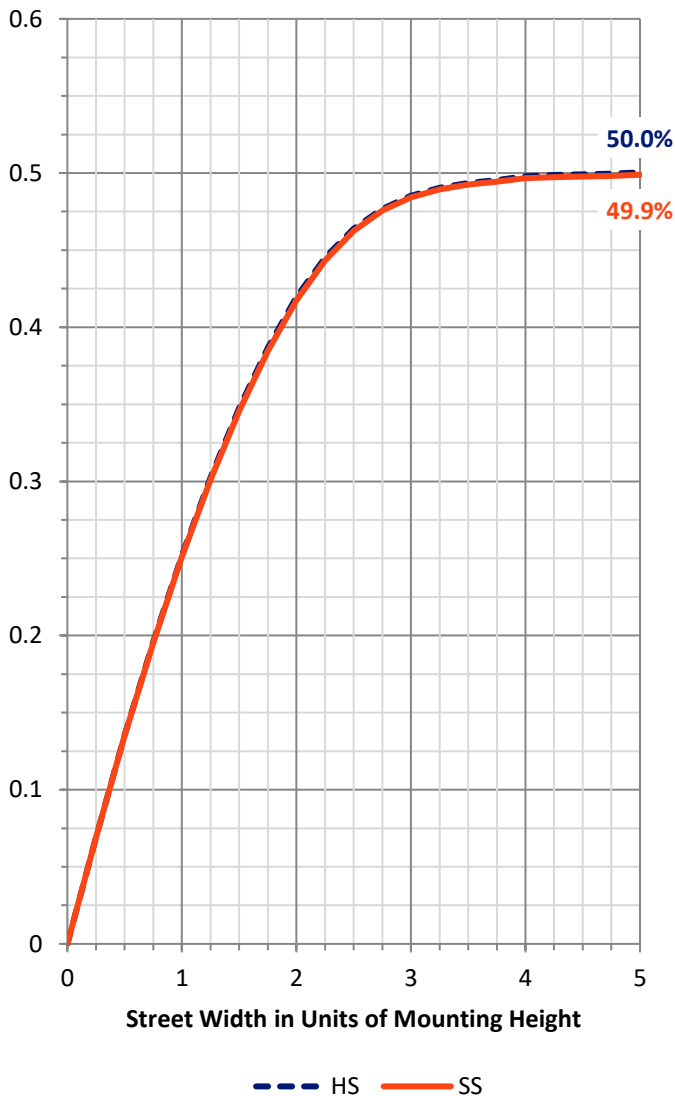
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	36737.0	0.0	36737.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	36737.0	0.0	36737.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	73474.0	0.0	73474.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	760.0	1.0
10°-20°	2231.2	3.0
20°-30°	3798.2	5.2
30°-40°	6023.9	8.2
40°-50°	9802.7	13.3
50°-60°	16162.9	22.0
60°-70°	23727.6	32.3
70°-80°	10492.3	14.3
80°-90°	475.1	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°	73474.0	100.0
0°-180°	73474.0	100.0



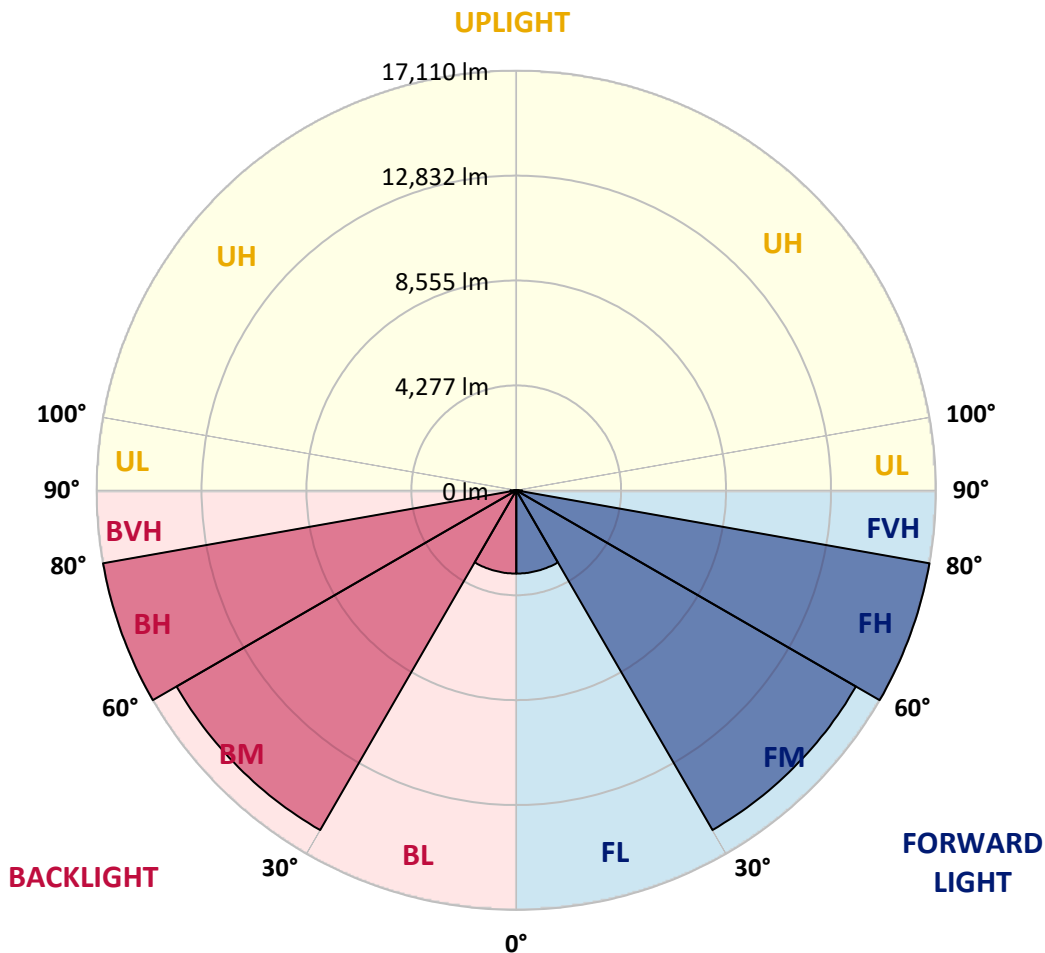
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3394.7	4.6			
FM (30°-60°)	15994.8	21.8			
FH (60°-80°)	17110.0	23.3			G5
FVH (80°-90°)	237.6	0.3			G3/500
BL (0°-30°)	3394.7	4.6	B4/5000		
BM (30°-60°)	15994.8	21.8	B5		
BH (60°-80°)	17110.0	23.3	B5		G5
BVH (80°-90°)	237.6	0.3			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G5

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	8024.5	8024.5	8024.5	8024.5	8024.5	8024.5	8024.5	8024.5	8024.5	8024.5	8024.5
2.5°	8012.3	8005.1	8022.1	8019.6	8005.1	8007.5	8007.5	8014.8	8014.8	8009.9	8009.9
5°	7983.2	7978.3	7997.8	7997.8	7983.2	7988.0	7992.9	8000.2	7997.8	7992.9	7990.5
7.5°	7946.7	7944.3	7963.7	7963.7	7954.0	7958.8	7954.0	7956.4	7951.6	7946.7	7939.4
10°	7885.9	7890.8	7907.8	7912.6	7912.6	7915.1	7910.2	7898.1	7890.8	7883.5	7876.2
12.5°	7830.0	7827.5	7851.9	7864.0	7883.5	7905.4	7890.8	7856.7	7842.1	7827.5	7822.7
15°	7793.5	7795.9	7820.2	7842.1	7876.2	7922.4	7905.4	7851.9	7822.7	7805.7	7800.8
17.5°	7786.2	7791.1	7822.7	7861.6	7898.1	7949.1	7939.4	7885.9	7837.3	7805.7	7798.4
20°	7803.2	7805.7	7854.3	7910.2	7973.4	8022.1	8000.2	7941.8	7876.2	7827.5	7815.4
22.5°	7834.8	7844.6	7905.4	7992.9	8090.2	8155.8	8129.1	8029.4	7927.2	7866.4	7849.4
25°	7934.5	7937.0	8019.6	8138.8	8255.5	8330.9	8299.3	8158.2	8026.9	7958.8	7937.0
27.5°	8141.2	8148.5	8231.2	8369.8	8469.5	8518.1	8498.7	8384.4	8272.5	8199.6	8206.9
30°	8440.3	8450.0	8542.4	8695.6	8756.4	8768.6	8763.7	8710.2	8608.1	8510.8	8518.1
32.5°	8805.1	8809.9	8933.9	9072.6	9121.2	9130.9	9121.2	9072.6	8951.0	8819.7	8827.0
35°	9274.4	9289.0	9408.1	9541.9	9580.8	9600.2	9583.2	9520.0	9393.5	9264.7	9259.8
37.5°	9853.1	9855.6	9979.6	10118.2	10166.8	10171.7	10152.2	10110.9	9952.8	9836.1	9828.8
40°	10524.3	10534.0	10679.9	10828.2	10847.7	10825.8	10852.5	10828.2	10665.3	10531.6	10553.4
42.5°	11341.3	11363.2	11538.3	11684.2	11628.2	11616.1	11633.1	11640.4	11509.1	11346.2	11331.6
45°	12292.1	12311.5	12530.4	12647.1	12610.6	12530.4	12564.4	12622.8	12440.4	12238.6	12258.0
47.5°	13376.6	13425.2	13658.7	13768.1	13678.1	13568.7	13634.4	13721.9	13507.9	13257.5	13245.3
50°	14582.7	14643.5	14954.8	15108.0	15018.0	14816.2	14925.6	14983.9	14675.1	14351.7	14325.0
52.5°	15869.1	15929.9	16321.4	16637.5	16579.1	16265.4	16418.6	16357.8	16002.8	15567.5	15533.5
55°	17325.6	17350.0	17773.1	18283.7	18342.1	18111.1	18101.3	18001.6	17476.4	16973.0	16948.7
57.5°	18823.5	18840.6	19387.7	19990.7	20265.5	20265.5	19993.2	19781.6	19083.7	18500.1	18439.3
60°	20440.6	20501.4	21106.9	21926.3	22568.3	22758.0	22276.5	21700.2	20941.5	20229.0	20158.5
62.5°	21880.1	21950.7	22877.1	24097.8	25128.9	25819.5	24642.5	23703.9	22322.7	21179.8	21046.1
65°	22062.5	22252.2	23601.8	25812.2	28119.8	29498.6	27242.0	24929.5	22412.7	20824.8	20688.6
67.5°	20148.8	20469.8	22293.5	25734.3	30502.8	33462.2	28902.8	24229.1	20798.1	19042.4	18891.6
70°	15482.4	15949.3	18052.7	22510.0	30091.9	34738.8	27862.1	21211.4	17340.2	15450.8	15239.3
72.5°	8493.8	8685.9	10577.8	15414.3	24124.6	29520.4	23239.5	15684.3	11499.4	9357.1	9002.0
75°	2694.3	2762.4	3725.3	6307.7	13646.5	19553.0	14762.7	7698.7	4238.4	3124.7	3088.2
77.5°	1196.4	1203.7	1347.1	1840.8	4700.4	9906.6	5646.3	2096.1	1444.4	1262.0	1303.4
80°	756.2	756.2	834.1	911.9	1279.1	2876.7	1527.1	997.0	851.1	790.3	807.3
82.5°	362.3	401.2	542.3	583.6	702.8	967.8	783.0	651.7	569.0	423.1	393.9
85°	238.3	199.4	342.9	386.6	408.5	464.4	454.7	430.4	372.0	211.6	235.9
87.5°	107.0	102.1	177.5	162.9	153.2	116.7	175.1	216.4	209.1	104.6	104.6
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)