

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: P316494

Luminaire Tested: **GAN-SA0C-740-U-5MQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316494
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-SA0C-740-U-5MQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(10) 70 CRI, 4000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V
MEDIUM OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 73545 lumens
Efficiency: N/A
Efficacy: 131.8 lumens/watt
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G5

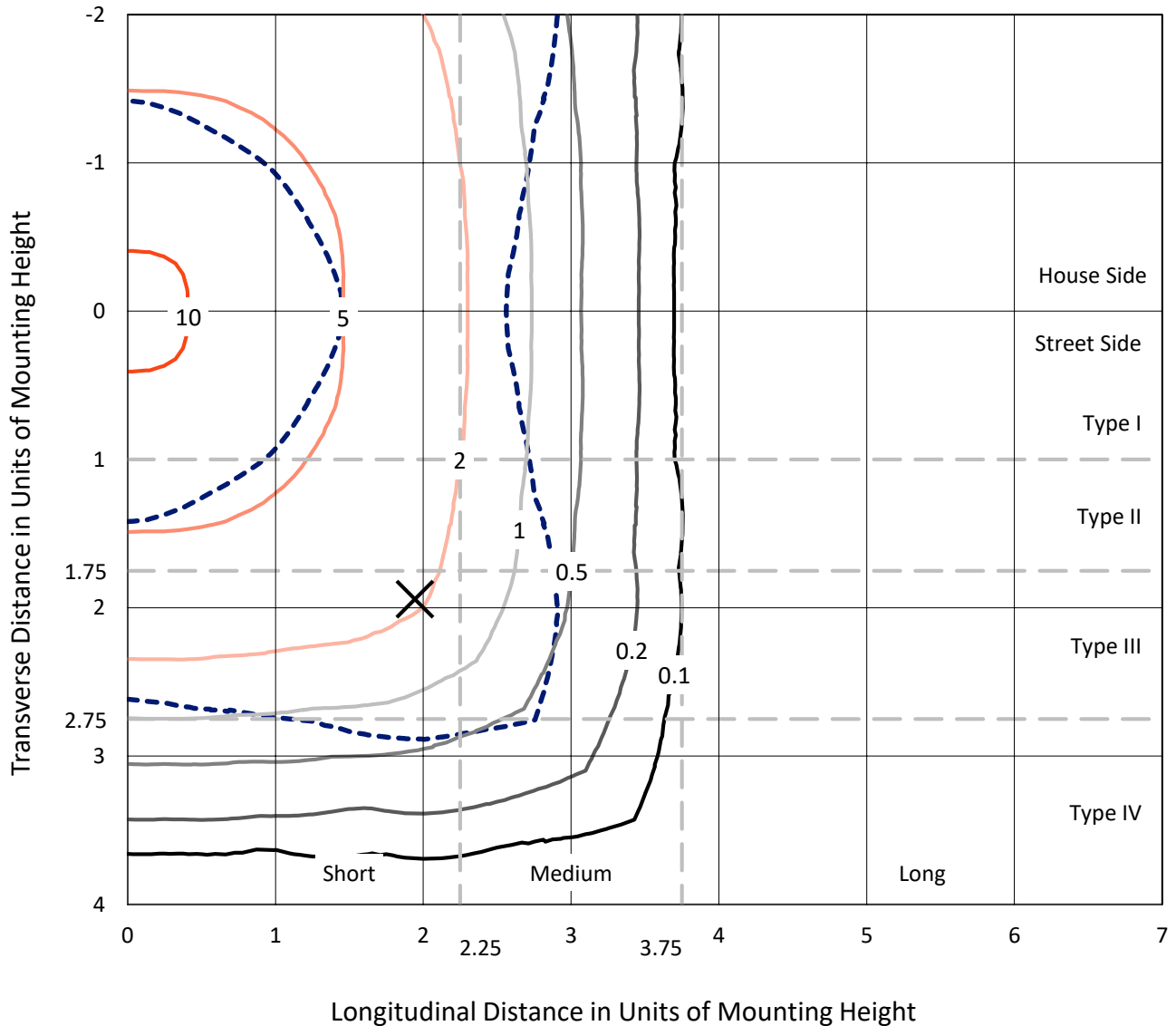
Input Watts (W): 558
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

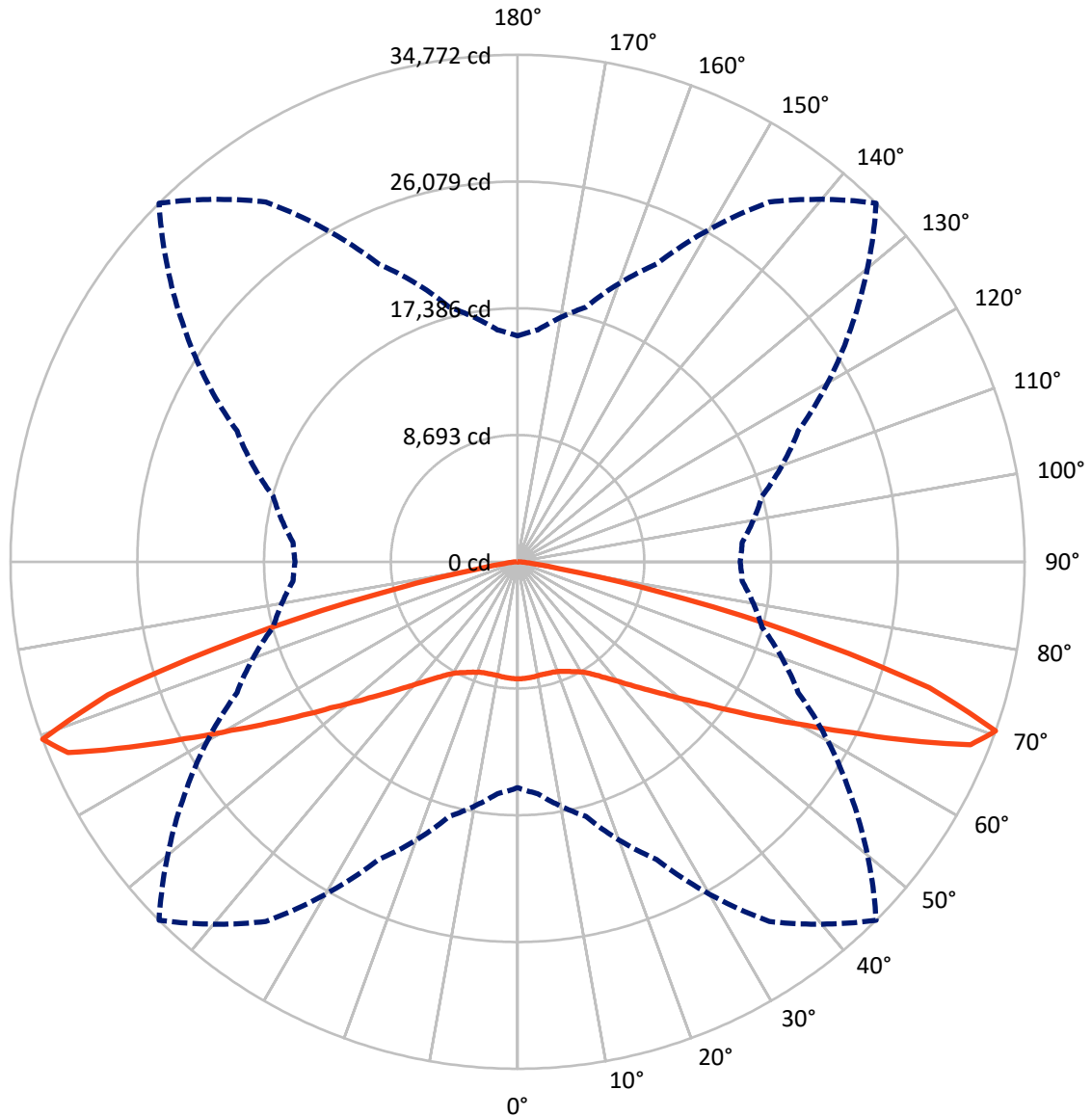
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12.9 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	36772.5	0.0	36772.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	36772.5	0.0	36772.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	73545.0	0.0	73545.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	760.7	1.0
10°-20°	2233.3	3.0
20°-30°	3801.9	5.2
30°-40°	6029.7	8.2
40°-50°	9812.2	13.3
50°-60°	16178.6	22.0
60°-70°	23750.6	32.3
70°-80°	10502.4	14.3
80°-90°	475.6	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°	73545.0	100.0
0°-180°	73545.0	100.0

Coefficient of Utilization

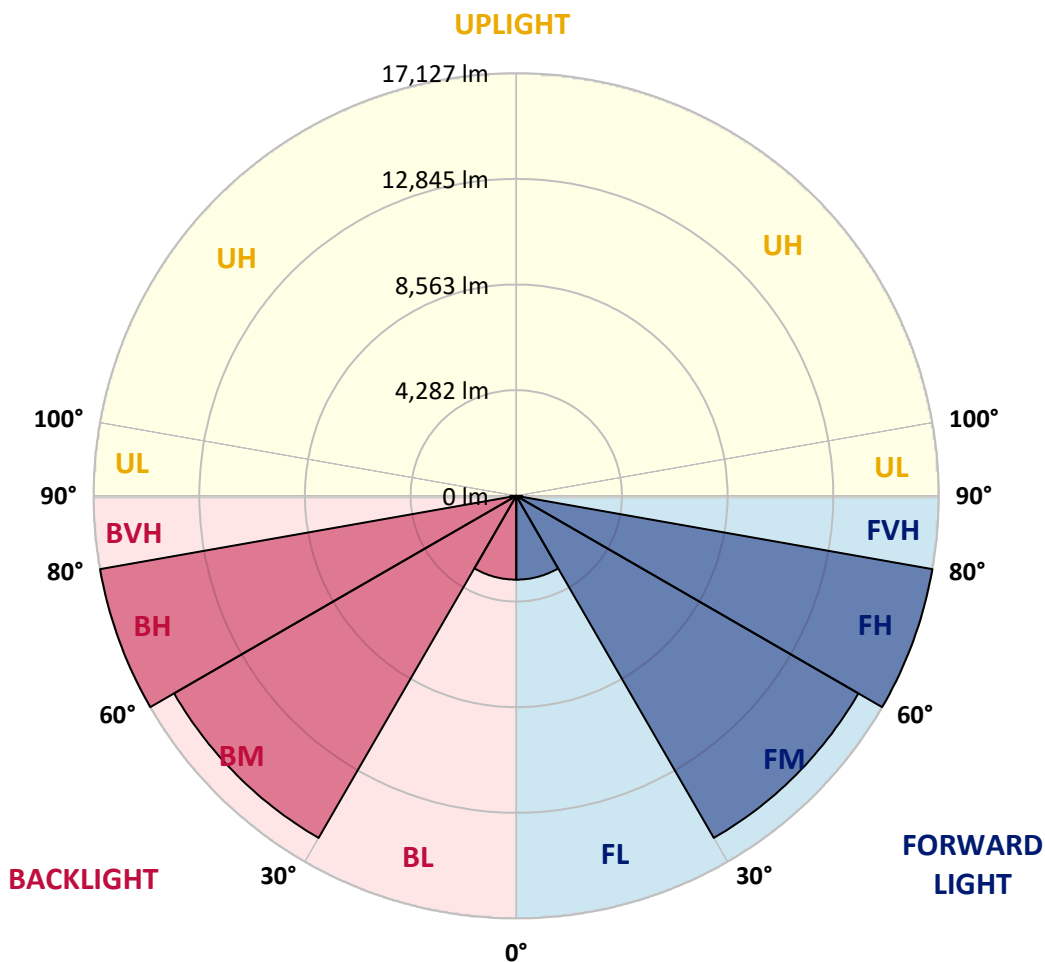


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3398.0	4.6			
FM (30°-60°)	16010.2	21.8			
FH (60°-80°)	17126.5	23.3			G5
FVH (80°-90°)	237.8	0.3			G3/500
BL (0°-30°)	3398.0	4.6	B4/5000		
BM (30°-60°)	16010.2	21.8	B5		
BH (60°-80°)	17126.5	23.3	B5		G5
BVH (80°-90°)	237.8	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°	8032.3	8032.3	8032.3	8032.3	8032.3	8032.3	8032.3	8032.3	8032.3	8032.3	8032.3
2.5°	8020.1	8012.8	8029.8	8027.4	8012.8	8015.2	8015.2	8022.5	8022.5	8017.7	8017.7
5°	7990.9	7986.0	8005.5	8005.5	7990.9	7995.7	8000.6	8007.9	8005.5	8000.6	7998.2
7.5°	7954.4	7951.9	7971.4	7971.4	7961.7	7966.5	7961.7	7964.1	7959.2	7954.4	7947.1
10°	7893.5	7898.4	7915.4	7920.3	7920.3	7922.7	7917.9	7905.7	7898.4	7891.1	7883.8
12.5°	7837.5	7835.1	7859.4	7871.6	7891.1	7913.0	7898.4	7864.3	7849.7	7835.1	7830.2
15°	7801.0	7803.5	7827.8	7849.7	7883.8	7930.0	7913.0	7859.4	7830.2	7813.2	7808.3
17.5°	7793.7	7798.6	7830.2	7869.2	7905.7	7956.8	7947.1	7893.5	7844.8	7813.2	7805.9
20°	7810.8	7813.2	7861.9	7917.9	7981.1	8029.8	8007.9	7949.5	7883.8	7835.1	7822.9
22.5°	7842.4	7852.1	7913.0	8000.6	8098.0	8163.7	8136.9	8037.1	7934.9	7874.0	7857.0
25°	7942.2	7944.6	8027.4	8146.7	8263.5	8338.9	8307.3	8166.1	8034.7	7966.5	7944.6
27.5°	8149.1	8156.4	8239.2	8377.9	8477.7	8526.4	8506.9	8392.5	8280.5	8207.5	8214.8
30°	8448.5	8458.2	8550.7	8704.0	8764.9	8777.1	8772.2	8718.7	8616.4	8519.1	8526.4
32.5°	8813.6	8818.4	8942.6	9081.3	9130.0	9139.7	9130.0	9081.3	8959.6	8828.2	8835.5
35°	9283.3	9297.9	9417.2	9551.1	9590.0	9609.5	9592.5	9529.2	9402.6	9273.6	9268.7
37.5°	9862.6	9865.1	9989.2	10127.9	10176.6	10181.5	10162.0	10120.6	9962.4	9845.6	9838.3
40°	10534.4	10544.2	10690.2	10838.7	10858.2	10836.2	10863.0	10838.7	10675.6	10541.7	10563.6
42.5°	11352.3	11374.2	11549.4	11695.5	11639.5	11627.3	11644.3	11651.6	11520.2	11357.1	11342.5
45°	12304.0	12323.4	12542.5	12659.3	12622.8	12542.5	12576.6	12635.0	12452.4	12250.4	12269.9
47.5°	13389.5	13438.2	13671.9	13781.4	13691.3	13581.8	13647.5	13735.2	13521.0	13270.3	13258.1
50°	14596.8	14657.7	14969.2	15122.6	15032.5	14830.5	14940.0	14998.4	14689.3	14365.6	14338.8
52.5°	15884.4	15945.3	16337.1	16653.5	16595.1	16281.1	16434.5	16373.6	16018.3	15582.6	15548.5
55°	17342.4	17366.7	17790.2	18301.4	18359.8	18128.6	18118.8	18019.0	17493.3	16989.4	16965.1
57.5°	18841.7	18858.8	19406.4	20010.1	20285.1	20285.1	20012.5	19800.7	19102.2	18518.0	18457.2
60°	20460.4	20521.2	21127.3	21947.5	22590.1	22780.0	22298.0	21721.2	20961.8	20248.6	20178.0
62.5°	21901.3	21971.9	22899.2	24121.1	25153.1	25844.4	24666.3	23726.8	22344.3	21200.3	21066.4
65°	22083.8	22273.7	23624.6	25837.1	28147.0	29527.1	27268.3	24953.5	22434.3	20844.9	20708.6
67.5°	20168.3	20489.6	22315.1	25759.2	30532.3	33494.5	28930.7	24252.6	20818.2	19060.8	18909.9
70°	15497.4	15964.7	18070.1	22531.7	30121.0	34772.4	27889.0	21231.9	17357.0	15465.7	15254.0
72.5°	8502.0	8694.3	10588.0	15429.2	24147.9	29549.0	23261.9	15699.4	11510.5	9366.1	9010.7
75°	2696.9	2765.0	3728.9	6313.8	13659.7	19571.9	14776.9	7706.1	4242.5	3127.7	3091.2
77.5°	1197.5	1204.8	1348.4	1842.6	4705.0	9916.2	5651.8	2098.1	1445.8	1263.3	1304.6
80°	757.0	757.0	834.9	912.8	1280.3	2879.4	1528.6	997.9	851.9	791.1	808.1
82.5°	362.7	401.6	542.8	584.2	703.4	968.7	783.8	652.3	569.6	423.5	394.3
85°	238.5	199.6	343.2	387.0	408.9	464.9	455.2	430.8	372.4	211.8	236.1
87.5°	107.1	102.2	177.7	163.1	153.3	116.8	175.2	216.6	209.3	104.7	104.7
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)