

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: P316491

Luminaire Tested: **GAN-SA7C-740-U-5MQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316491
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-SA7C-740-U-5MQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 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: 52555 lumens
Efficiency: N/A
Efficacy: 134.4 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G5

Input Watts (W): 391
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

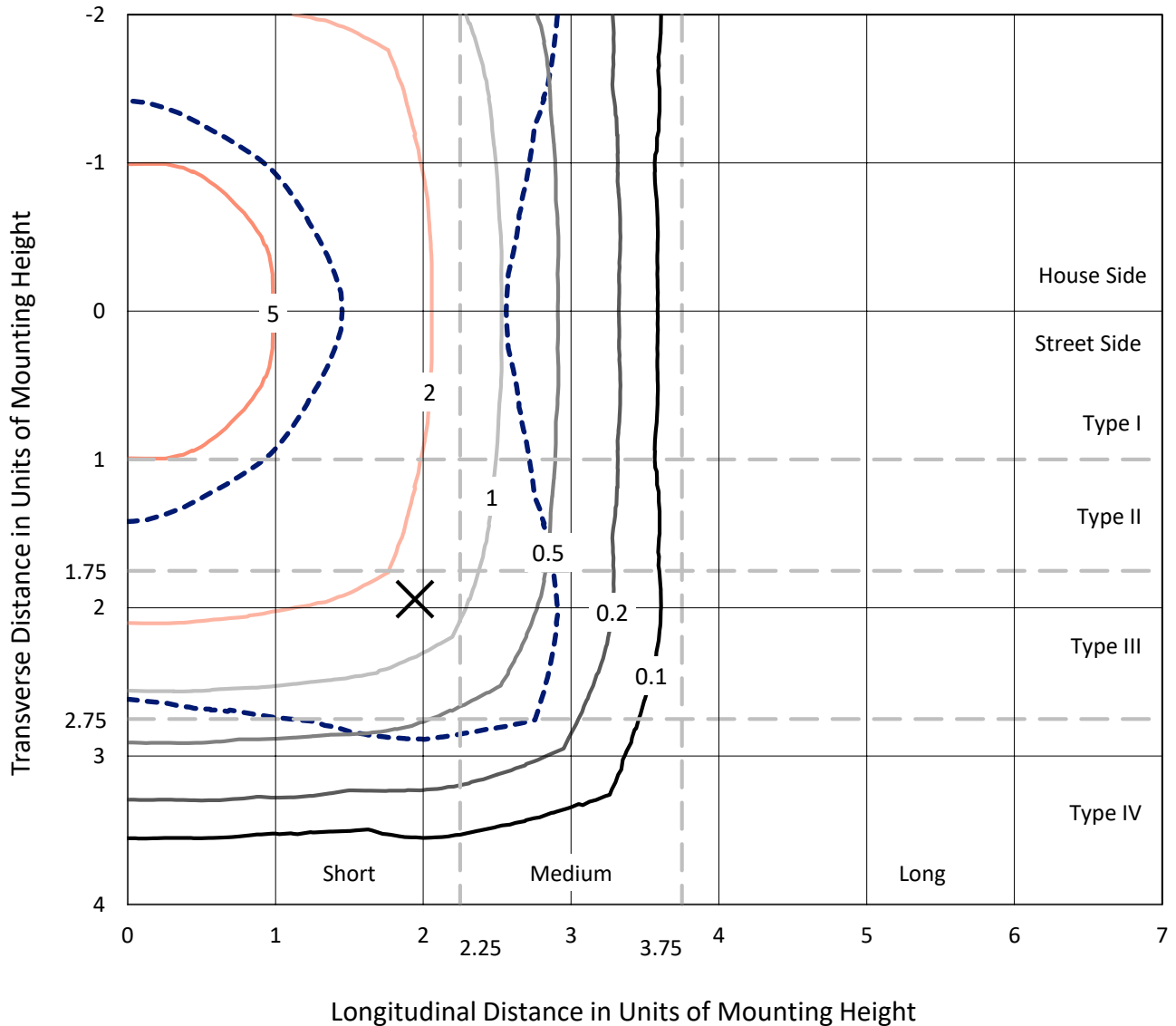




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Iso-Footcandle Lines of Horizontal Illumination

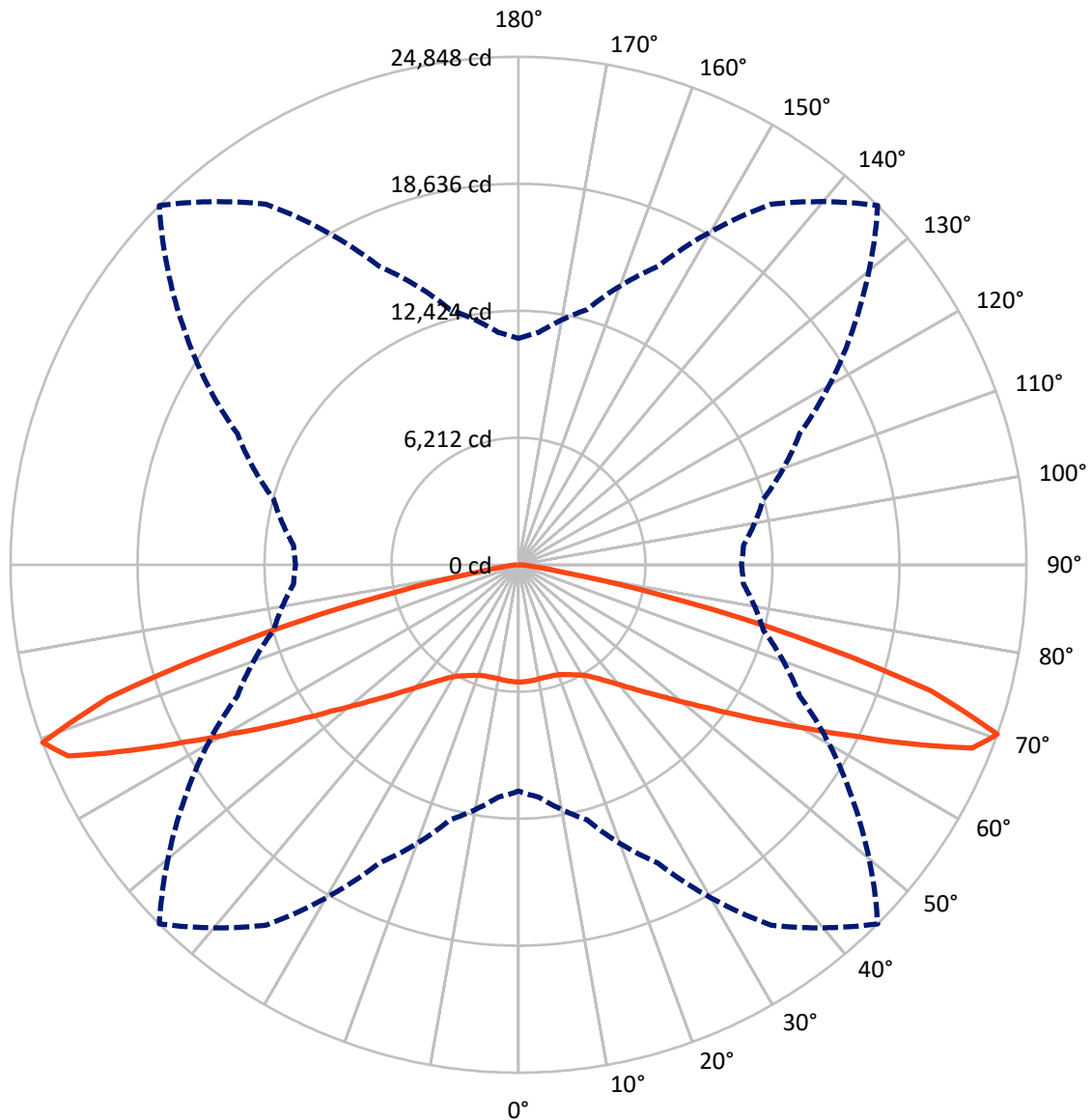
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.2 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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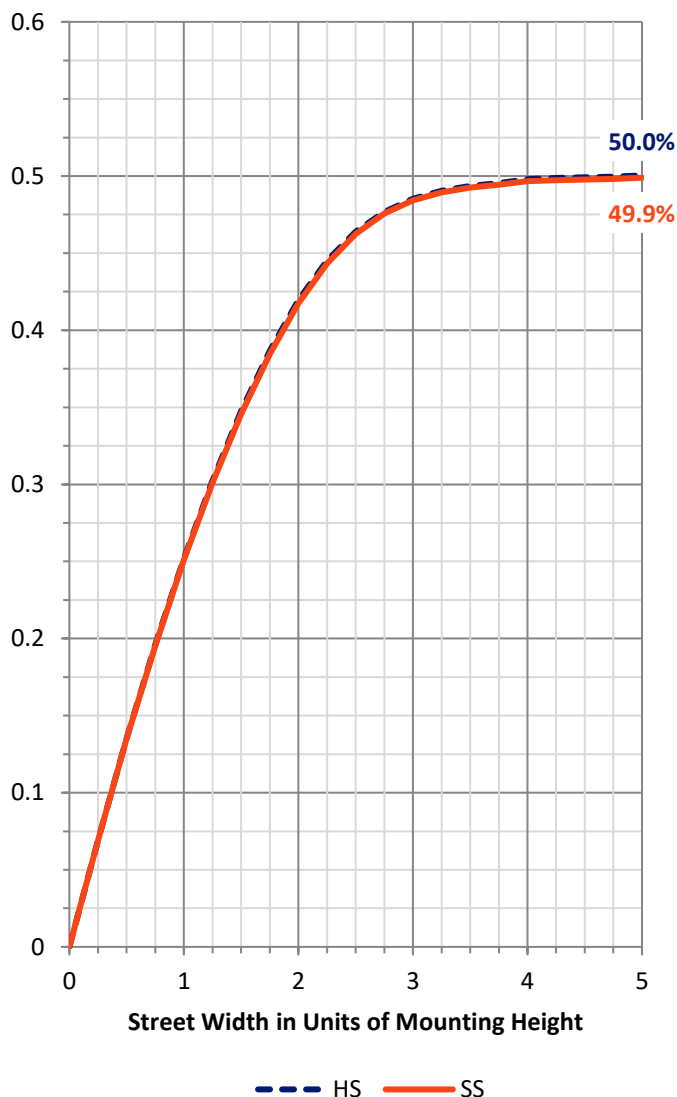
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	26277.5	0.0	26277.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	26277.5	0.0	26277.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	52555.0	0.0	52555.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	543.6	1.0
10°-20°	1595.9	3.0
20°-30°	2716.8	5.2
30°-40°	4308.8	8.2
40°-50°	7011.8	13.3
50°-60°	11561.1	22.0
60°-70°	16972.1	32.3
70°-80°	7505.0	14.3
80°-90°	339.9	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°	52555.0	100.0
0°-180°	52555.0	100.0

Coefficient of Utilization

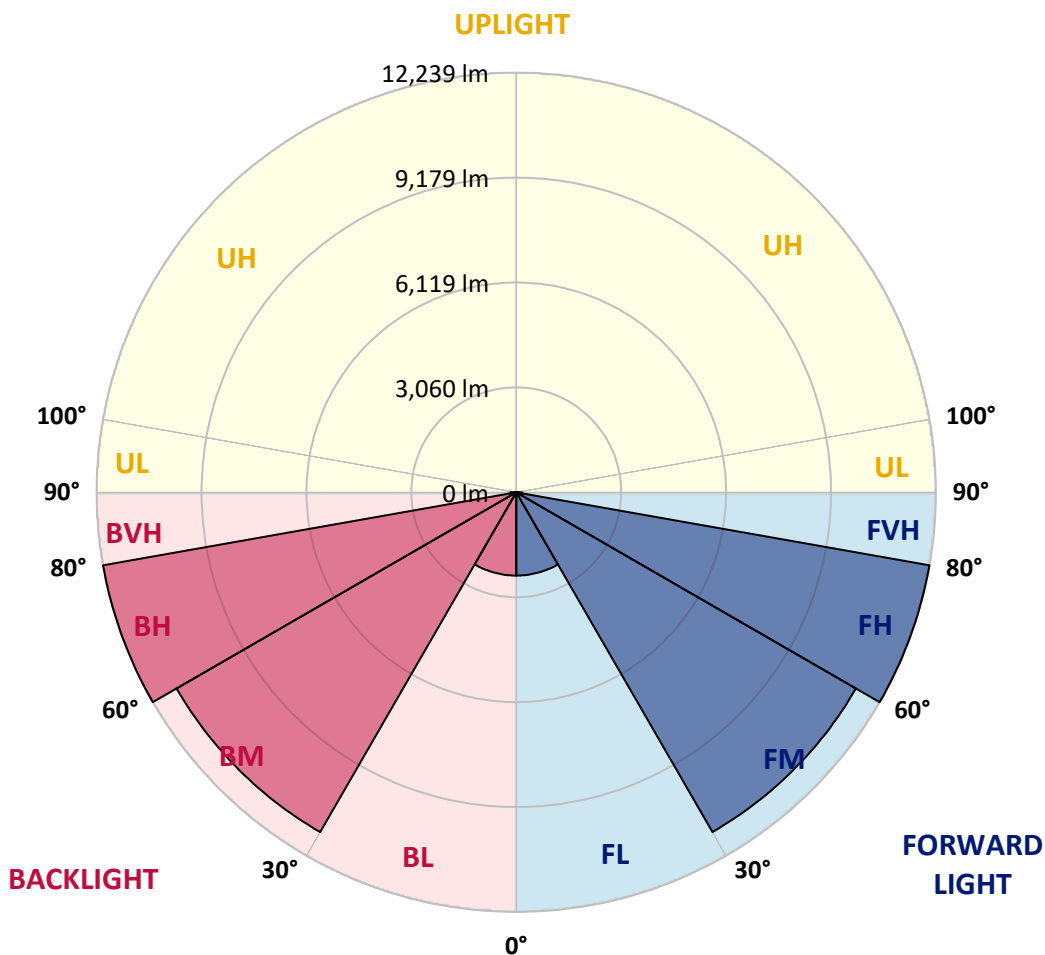


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2428.2	4.6			
FM (30°-60°)	11440.8	21.8			
FH (60°-80°)	12238.5	23.3			G5
FVH (80°-90°)	169.9	0.3			G2/225
BL (0°-30°)	2428.2	4.6	B3/2500		
BM (30°-60°)	11440.8	21.8	B5		
BH (60°-80°)	12238.5	23.3	B5		G5
BVH (80°-90°)	169.9	0.3			G2/225
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°	5739.8	5739.8	5739.8	5739.8	5739.8	5739.8	5739.8	5739.8	5739.8	5739.8	5739.8
2.5°	5731.1	5725.9	5738.1	5736.3	5725.9	5727.6	5727.6	5732.9	5732.9	5729.4	5729.4
5°	5710.3	5706.8	5720.7	5720.7	5710.3	5713.7	5717.2	5722.4	5720.7	5717.2	5715.5
7.5°	5684.2	5682.4	5696.3	5696.3	5689.4	5692.9	5689.4	5691.1	5687.6	5684.2	5678.9
10°	5640.7	5644.2	5656.3	5659.8	5659.8	5661.6	5658.1	5649.4	5644.2	5638.9	5633.7
12.5°	5600.7	5598.9	5616.3	5625.0	5638.9	5654.6	5644.2	5619.8	5609.4	5598.9	5595.5
15°	5574.6	5576.3	5593.7	5609.4	5633.7	5666.8	5654.6	5616.3	5595.5	5583.3	5579.8
17.5°	5569.4	5572.8	5595.5	5623.3	5649.4	5685.9	5678.9	5640.7	5605.9	5583.3	5578.1
20°	5581.5	5583.3	5618.1	5658.1	5703.3	5738.1	5722.4	5680.7	5633.7	5598.9	5590.2
22.5°	5604.2	5611.1	5654.6	5717.2	5786.8	5833.7	5814.6	5743.3	5670.3	5626.8	5614.6
25°	5675.5	5677.2	5736.3	5821.6	5905.1	5959.0	5936.4	5835.5	5741.6	5692.9	5677.2
27.5°	5823.3	5828.5	5887.7	5986.8	6058.1	6092.9	6079.0	5997.2	5917.2	5865.1	5870.3
30°	6037.3	6044.2	6110.3	6219.9	6263.4	6272.1	6268.6	6230.3	6157.3	6087.7	6092.9
32.5°	6298.2	6301.6	6390.3	6489.5	6524.3	6531.2	6524.3	6489.5	6402.5	6308.6	6313.8
35°	6633.8	6644.3	6729.5	6825.2	6853.0	6866.9	6854.7	6809.5	6719.1	6626.9	6623.4
37.5°	7047.8	7049.5	7138.3	7237.4	7272.2	7275.7	7261.7	7232.2	7119.1	7035.6	7030.4
40°	7527.9	7534.8	7639.2	7745.3	7759.2	7743.5	7762.7	7745.3	7628.7	7533.1	7548.7
42.5°	8112.3	8127.9	8253.2	8357.5	8317.5	8308.8	8321.0	8326.2	8232.3	8115.8	8105.3
45°	8792.4	8806.3	8962.8	9046.3	9020.2	8962.8	8987.2	9028.9	8898.5	8754.1	8768.0
47.5°	9568.1	9602.9	9769.9	9848.1	9783.8	9705.5	9752.5	9815.1	9662.0	9482.9	9474.2
50°	10430.8	10474.3	10696.9	10806.5	10742.2	10597.8	10676.1	10717.8	10496.9	10265.6	10246.5
52.5°	11350.9	11394.4	11674.5	11900.6	11858.8	11634.4	11744.0	11700.5	11446.6	11135.3	11110.9
55°	12392.8	12410.2	12712.8	13078.1	13119.8	12954.6	12947.7	12876.3	12500.6	12140.6	12123.2
57.5°	13464.2	13476.4	13867.8	14299.1	14495.7	14495.7	14300.9	14149.5	13650.3	13232.9	13189.4
60°	14620.9	14664.4	15097.5	15683.6	16142.8	16278.5	15934.1	15521.9	14979.2	14469.6	14419.1
62.5°	15650.6	15701.0	16363.7	17236.9	17974.3	18468.3	17626.5	16955.1	15967.1	15149.7	15054.0
65°	15781.0	15916.7	16882.0	18463.1	20113.7	21099.9	19485.8	17831.7	16031.5	14895.7	14798.3
67.5°	14412.2	14641.8	15946.3	18407.4	21818.3	23935.1	20673.8	17330.8	14876.6	13620.8	13512.9
70°	11074.4	11408.3	12912.9	16101.1	21524.3	24848.2	19929.4	15172.3	12403.2	11051.8	10900.4
72.5°	6075.5	6212.9	7566.1	11025.7	17256.0	21115.6	16622.9	11218.7	8225.3	6693.0	6439.0
75°	1927.2	1975.9	2664.7	4511.8	9761.2	13986.0	10559.5	5506.8	3031.7	2235.1	2209.0
77.5°	855.8	861.0	963.6	1316.7	3362.1	7086.1	4038.7	1499.3	1033.2	902.7	932.3
80°	540.9	540.9	596.6	652.3	914.9	2057.6	1092.3	713.1	608.8	565.3	577.5
82.5°	259.2	287.0	387.9	417.4	502.7	692.3	560.1	466.1	407.0	302.6	281.8
85°	170.5	142.6	245.2	276.6	292.2	332.2	325.3	307.9	266.1	151.3	168.7
87.5°	76.5	73.1	127.0	116.5	109.6	83.5	125.2	154.8	149.6	74.8	74.8
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)