

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: P316503

Luminaire Tested: **GAN-SA9D-740-U-5MQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316503
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-SA9D-740-U-5MQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(9) 70 CRI, 4000K, 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: 72868 lumens
Efficiency: N/A
Efficacy: 126.7 lumens/watt
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G5

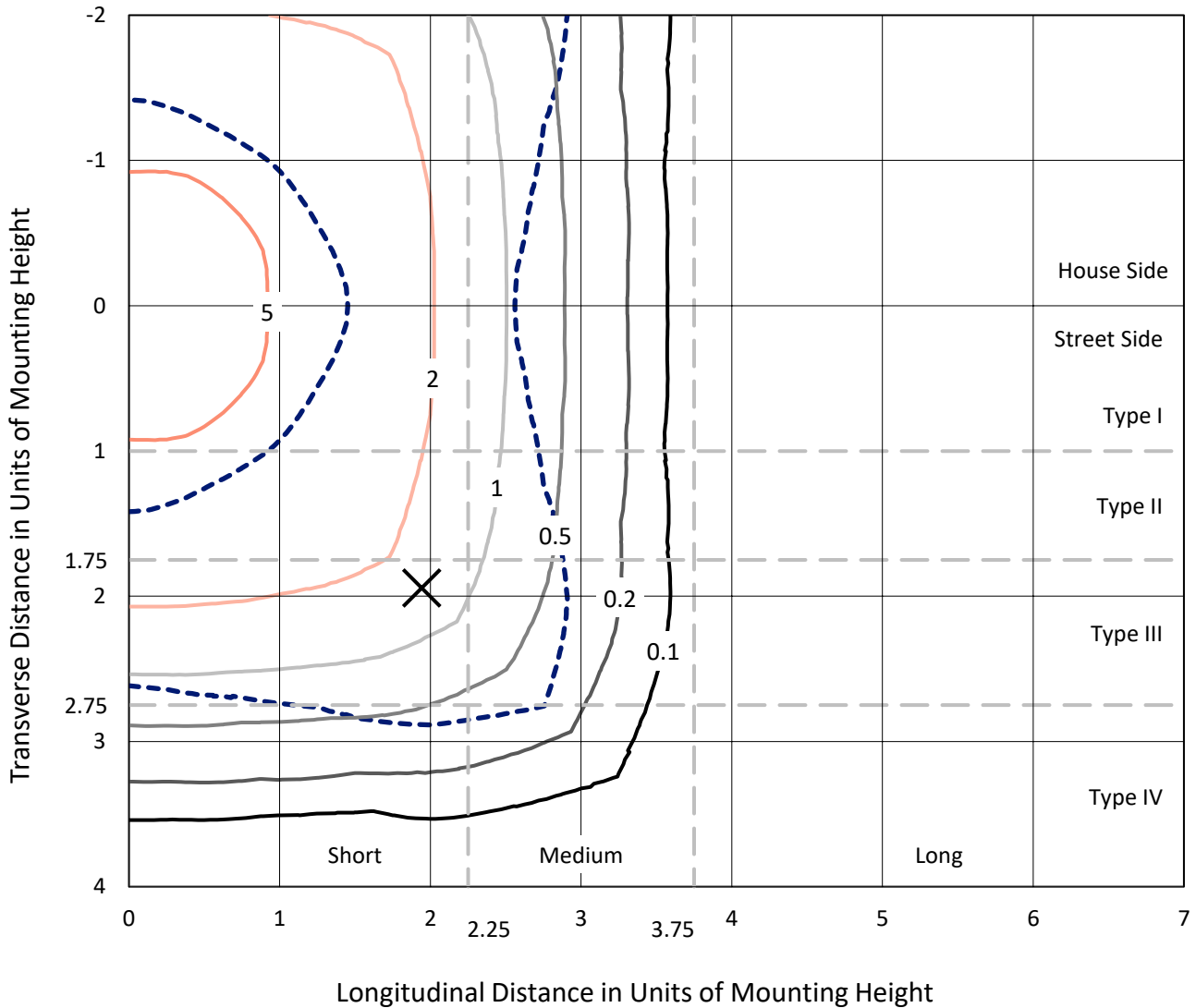
Input Watts (W): 575
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

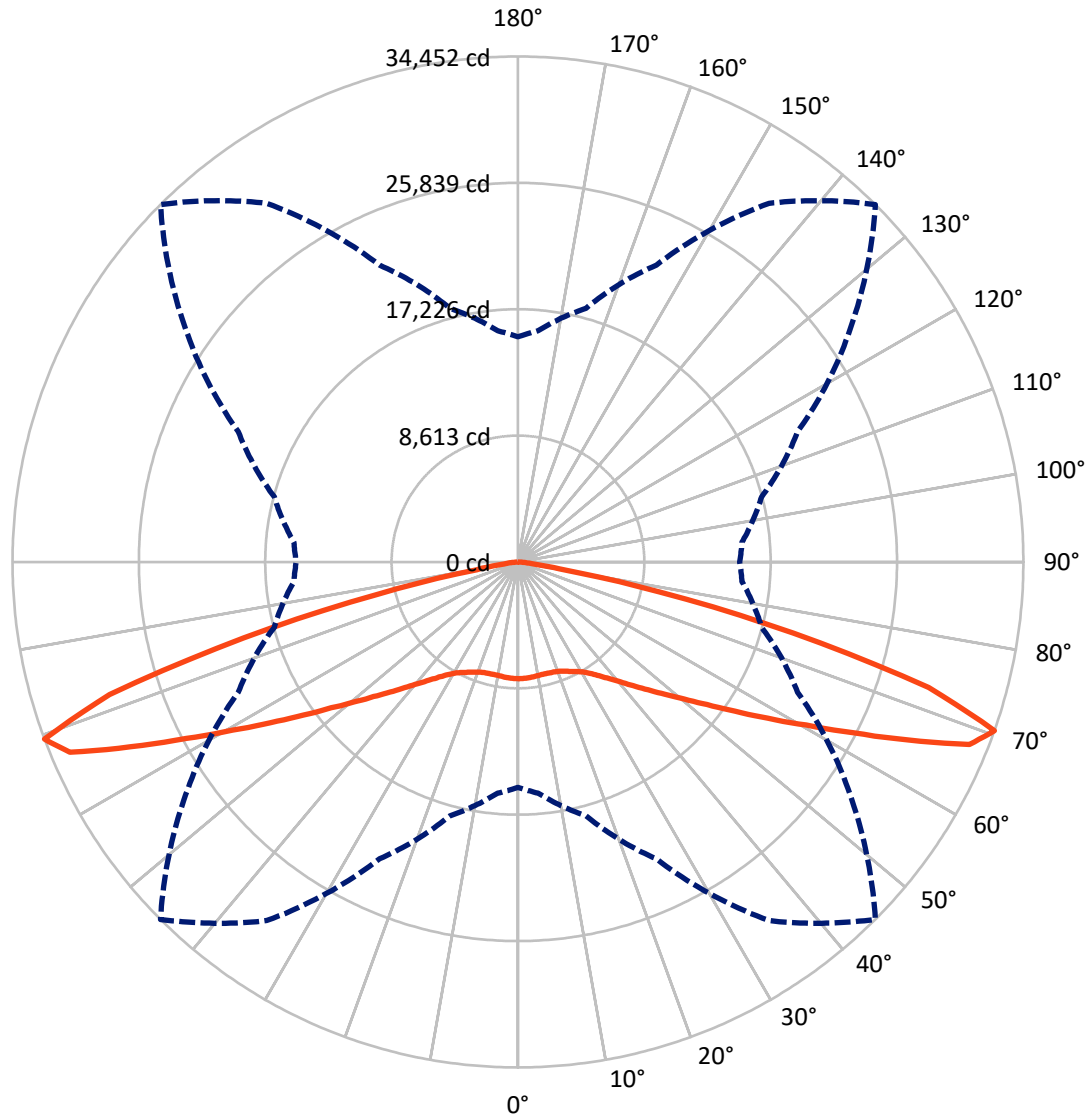
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 8.8 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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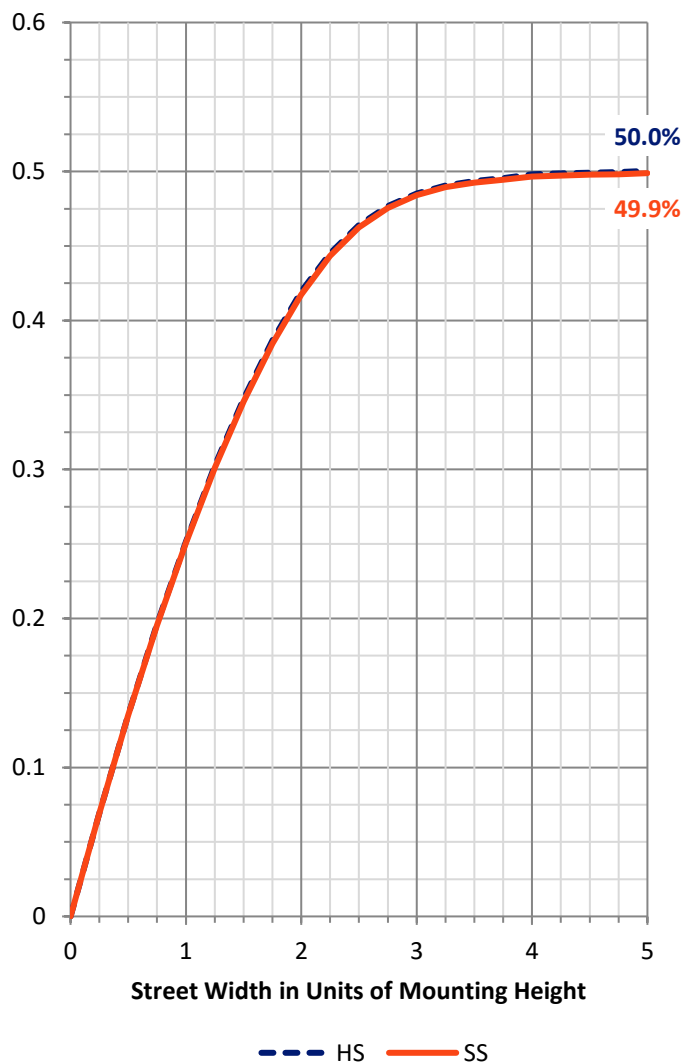
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	36434.0	0.0	36434.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	36434.0	0.0	36434.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	72868.0	0.0	72868.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	753.7	1.0
10°-20°	2212.8	3.0
20°-30°	3766.9	5.2
30°-40°	5974.2	8.2
40°-50°	9721.9	13.3
50°-60°	16029.6	22.0
60°-70°	23531.9	32.3
70°-80°	10405.8	14.3
80°-90°	471.2	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°	72868.0	100.0
0°-180°	72868.0	100.0

Coefficient of Utilization



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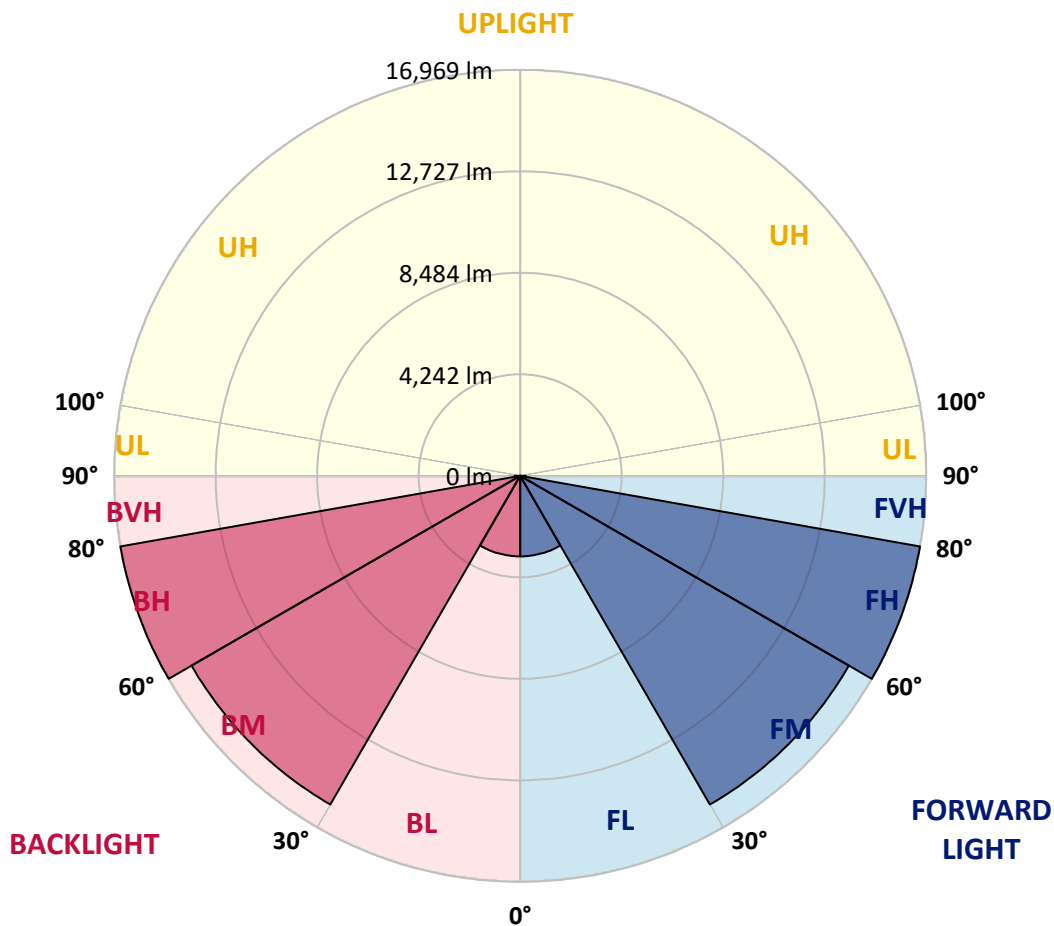
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3366.7	4.6			
FM (30°-60°)	15862.9	21.8			
FH (60°-80°)	16968.9	23.3			G5
FVH (80°-90°)	235.6	0.3			G3/500
BL (0°-30°)	3366.7	4.6	B4/5000		
BM (30°-60°)	15862.9	21.8	B5		
BH (60°-80°)	16968.9	23.3	B5		G5
BVH (80°-90°)	235.6	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°	7958.3	7958.3	7958.3	7958.3	7958.3	7958.3	7958.3	7958.3	7958.3	7958.3	7958.3
2.5°	7946.3	7939.0	7955.9	7953.5	7939.0	7941.4	7941.4	7948.7	7948.7	7943.8	7943.8
5°	7917.3	7912.5	7931.8	7931.8	7917.3	7922.1	7927.0	7934.2	7931.8	7927.0	7924.6
7.5°	7881.1	7878.7	7898.0	7898.0	7888.4	7893.2	7888.4	7890.8	7886.0	7881.1	7873.9
10°	7820.9	7825.7	7842.6	7847.4	7847.4	7849.8	7845.0	7832.9	7825.7	7818.4	7811.2
12.5°	7765.4	7763.0	7787.1	7799.2	7818.4	7840.2	7825.7	7791.9	7777.4	7763.0	7758.2
15°	7729.2	7731.6	7755.7	7777.4	7811.2	7857.0	7840.2	7787.1	7758.2	7741.3	7736.5
17.5°	7722.0	7726.8	7758.2	7796.7	7832.9	7883.6	7873.9	7820.9	7772.6	7741.3	7734.0
20°	7738.9	7741.3	7789.5	7845.0	7907.7	7955.9	7934.2	7876.3	7811.2	7763.0	7750.9
22.5°	7770.2	7779.9	7840.2	7927.0	8023.4	8088.5	8062.0	7963.1	7861.9	7801.6	7784.7
25°	7869.1	7871.5	7953.5	8071.7	8187.4	8262.2	8230.8	8091.0	7960.7	7893.2	7871.5
27.5°	8074.1	8081.3	8163.3	8300.8	8399.6	8447.9	8428.6	8315.2	8204.3	8132.0	8139.2
30°	8370.7	8380.4	8472.0	8623.9	8684.2	8696.3	8691.4	8638.4	8537.1	8440.6	8447.9
32.5°	8732.4	8737.3	8860.3	8997.7	9046.0	9055.6	9046.0	8997.7	8877.1	8746.9	8754.2
35°	9197.9	9212.4	9330.5	9463.2	9501.8	9521.0	9504.2	9441.5	9316.1	9188.2	9183.4
37.5°	9771.9	9774.3	9897.3	10034.7	10082.9	10087.8	10068.5	10027.5	9870.7	9755.0	9747.7
40°	10437.5	10447.1	10591.8	10738.9	10758.2	10736.5	10763.0	10738.9	10577.3	10444.7	10466.4
42.5°	11247.8	11269.5	11443.1	11587.8	11532.3	11520.3	11537.2	11544.4	11414.2	11252.6	11238.1
45°	12190.7	12210.0	12427.0	12542.8	12506.6	12427.0	12460.8	12518.7	12337.8	12137.6	12156.9
47.5°	13266.3	13314.5	13546.0	13654.5	13565.3	13456.8	13521.9	13608.7	13396.5	13148.1	13136.1
50°	14462.4	14522.7	14831.4	14983.3	14894.1	14694.0	14802.5	14860.4	14554.1	14233.3	14206.8
52.5°	15738.2	15798.5	16186.7	16500.2	16442.4	16131.3	16283.2	16222.9	15870.8	15439.1	15405.4
55°	17182.7	17206.9	17626.5	18132.9	18190.8	17961.7	17952.0	17853.2	17332.3	16833.1	16808.9
57.5°	18668.3	18685.2	19227.8	19825.9	20098.4	20098.4	19828.3	19618.5	18926.3	18347.5	18287.3
60°	20272.0	20332.3	20932.8	21745.5	22382.2	22570.3	22092.8	21521.2	20768.8	20062.2	19992.3
62.5°	21699.7	21769.6	22688.4	23899.1	24921.6	25606.5	24439.3	23508.4	22138.6	21005.1	20872.5
65°	21880.6	22068.7	23407.1	25599.3	27887.9	29255.3	27017.3	24723.8	22227.8	20653.0	20518.0
67.5°	19982.6	20300.9	22109.7	25522.1	30251.3	33186.2	28664.4	24029.3	20626.5	18885.3	18735.8
70°	15354.7	15817.8	17903.8	22324.3	29843.7	34452.3	27632.3	21036.5	17197.2	15323.4	15113.6
72.5°	8423.8	8614.3	10490.5	15287.2	23925.6	29277.0	23047.8	15554.9	11404.5	9279.9	8927.8
75°	2672.1	2739.6	3694.6	6255.7	13534.0	19391.8	14640.9	7635.2	4203.4	3098.9	3062.7
77.5°	1186.5	1193.7	1336.0	1825.6	4661.6	9824.9	5599.8	2078.8	1432.5	1251.6	1292.6
80°	750.0	750.0	827.2	904.4	1268.5	2852.9	1514.5	988.8	844.1	783.8	800.7
82.5°	359.3	397.9	537.8	578.8	697.0	959.8	776.5	646.3	564.3	419.6	390.7
85°	236.3	197.8	340.0	383.4	405.2	460.6	451.0	426.9	369.0	209.8	233.9
87.5°	106.1	101.3	176.0	161.6	151.9	115.8	173.6	214.6	207.4	103.7	103.7
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)