

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: P316539

Luminaire Tested: **GAN-SA5D-750-U-5MQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316539
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-SA5D-750-U-5MQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(5) 70 CRI, 5000K, 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: 40738 lumens
Efficiency: N/A
Efficacy: 127.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

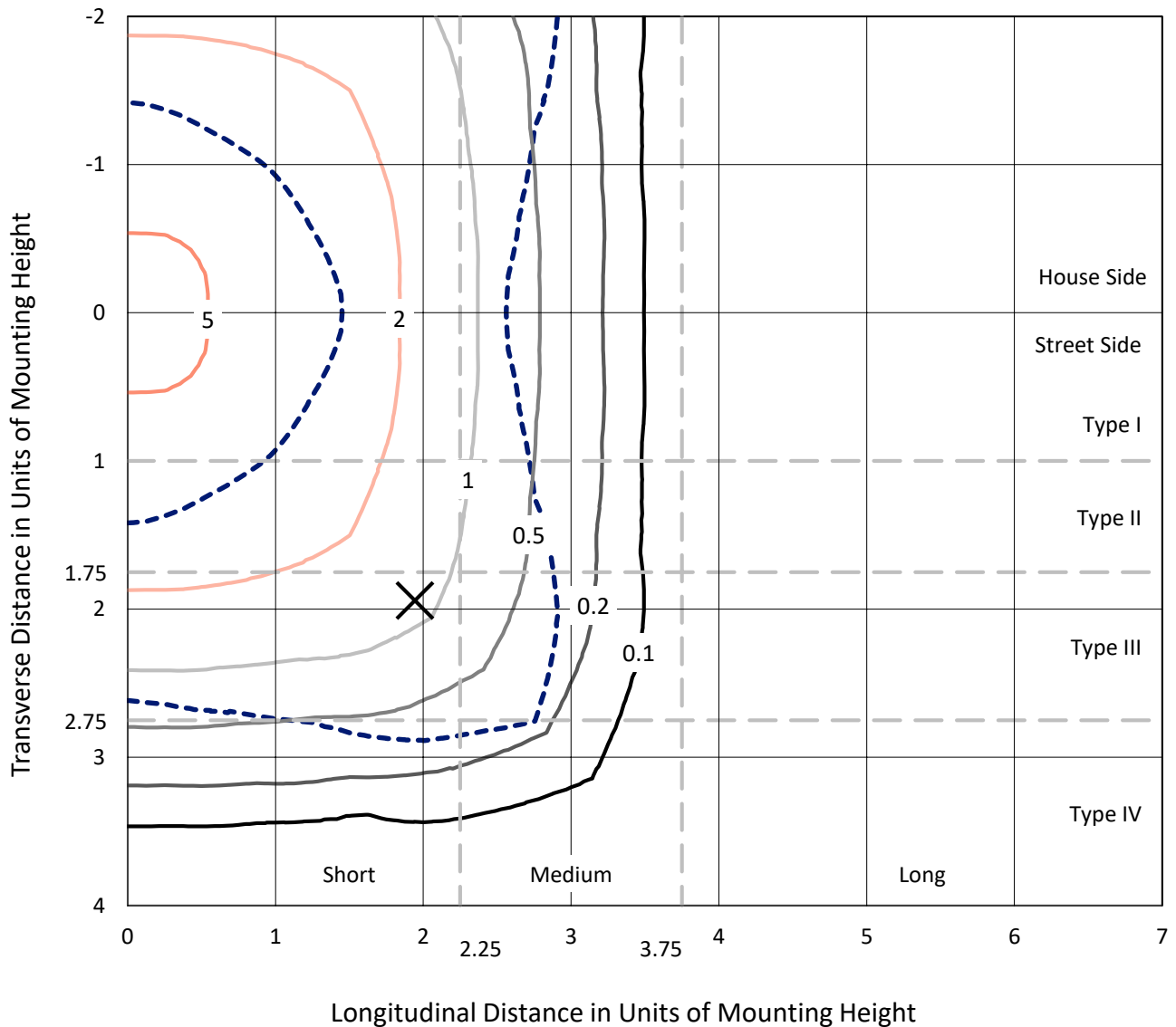
Input Watts (W): 320
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

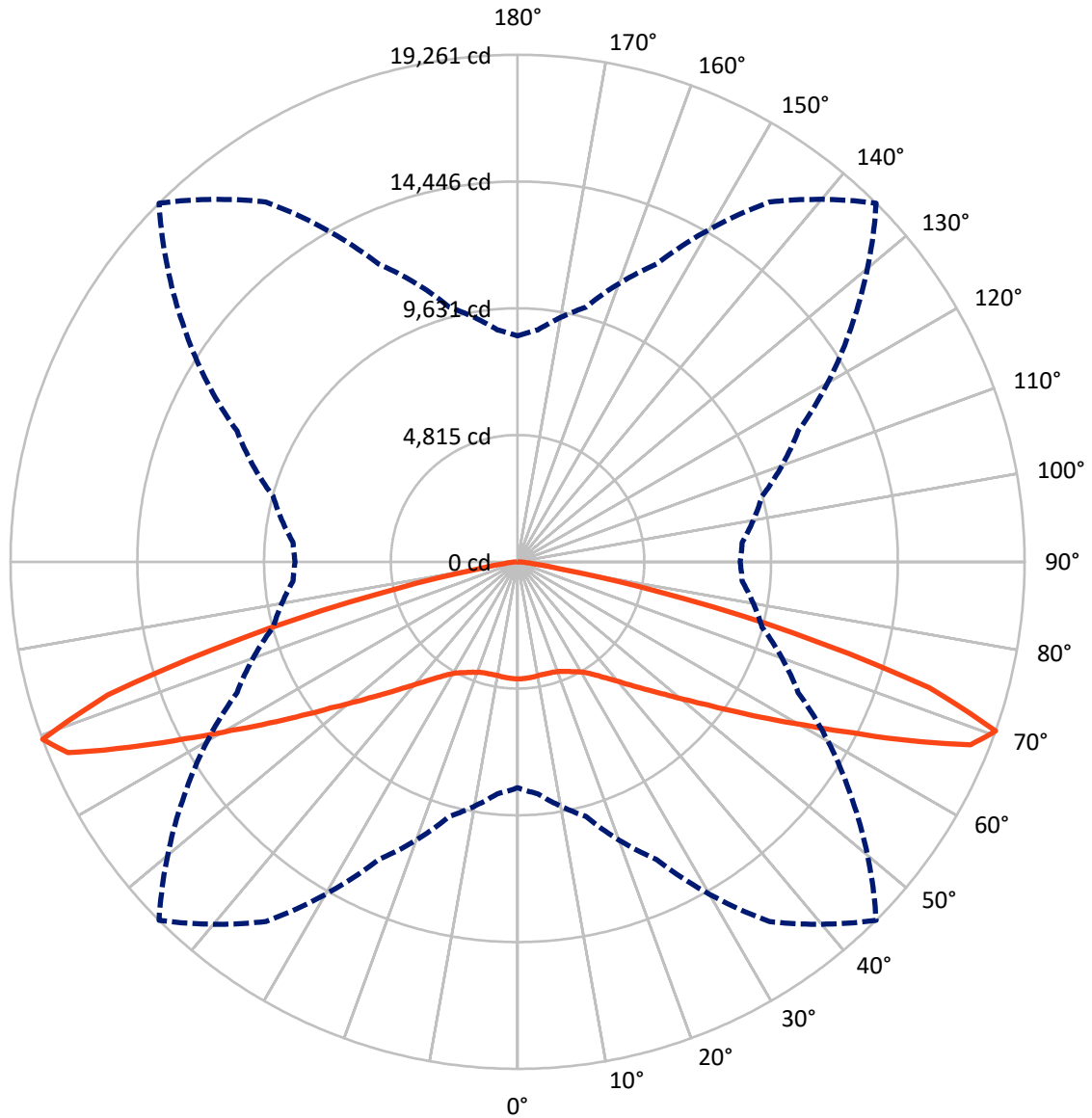
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.1 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	20369.0	0.0	20369.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	20369.0	0.0	20369.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	40738.0	0.0	40738.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	421.4	1.0
10°-20°	1237.1	3.0
20°-30°	2105.9	5.2
30°-40°	3340.0	8.2
40°-50°	5435.2	13.3
50°-60°	8961.6	22.0
60°-70°	13155.9	32.3
70°-80°	5817.5	14.3
80°-90°	263.4	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°	40738.0	100.0
0°-180°	40738.0	100.0

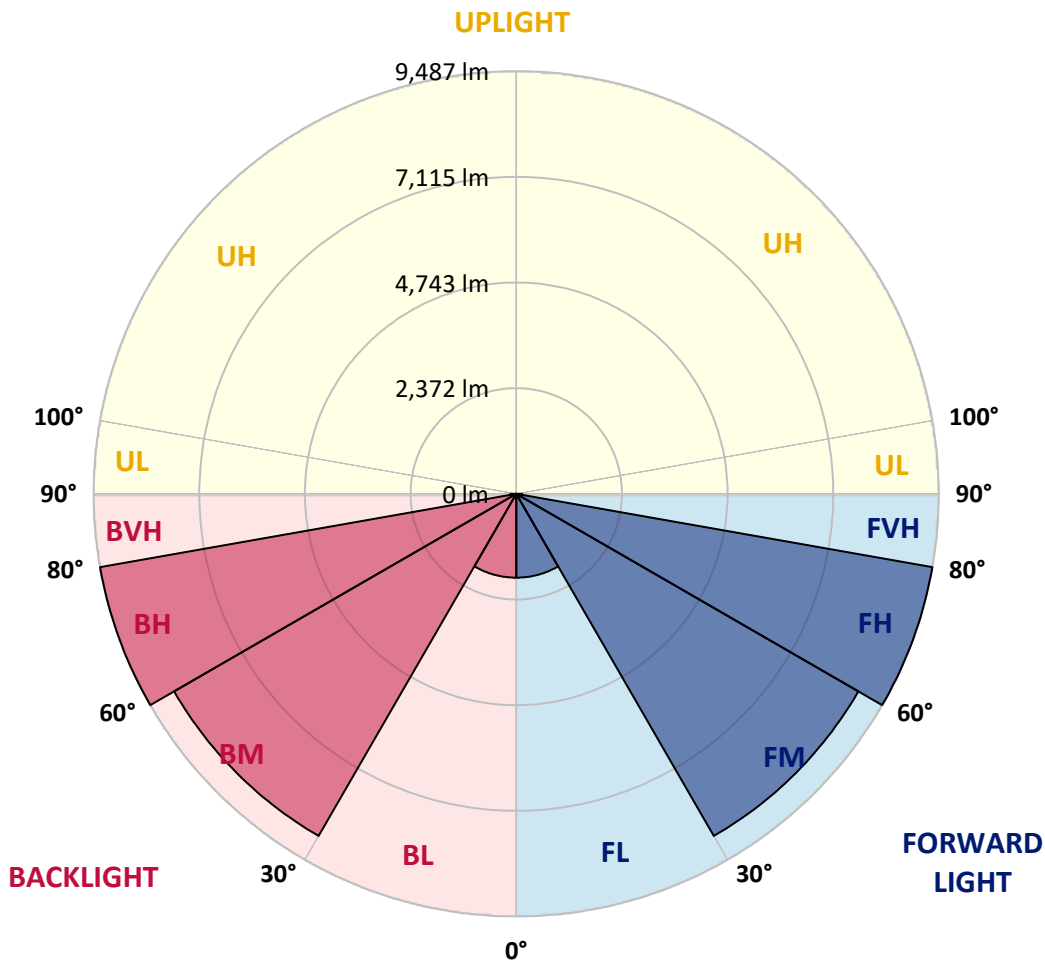


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1882.2	4.6			
FM (30°-60°)	8868.4	21.8			
FH (60°-80°)	9486.7	23.3			G4/12000
FVH (80°-90°)	131.7	0.3			G2/225
BL (0°-30°)	1882.2	4.6	B3/2500		
BM (30°-60°)	8868.4	21.8	B5		
BH (60°-80°)	9486.7	23.3	B5		G4/12000
BVH (80°-90°)	131.7	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-G4
 Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4449.2	4449.2	4449.2	4449.2	4449.2	4449.2	4449.2	4449.2	4449.2	4449.2	4449.2
2.5°	4442.5	4438.4	4447.9	4446.5	4438.4	4439.8	4439.8	4443.8	4443.8	4441.1	4441.1
5°	4426.3	4423.6	4434.4	4434.4	4426.3	4429.0	4431.7	4435.7	4434.4	4431.7	4430.3
7.5°	4406.1	4404.7	4415.5	4415.5	4410.1	4412.8	4410.1	4411.5	4408.8	4406.1	4402.0
10°	4372.4	4375.1	4384.5	4387.2	4387.2	4388.6	4385.9	4379.1	4375.1	4371.0	4367.0
12.5°	4341.4	4340.0	4353.5	4360.2	4371.0	4383.2	4375.1	4356.2	4348.1	4340.0	4337.3
15°	4321.1	4322.5	4336.0	4348.1	4367.0	4392.6	4383.2	4353.5	4337.3	4327.9	4325.2
17.5°	4317.1	4319.8	4337.3	4358.9	4379.1	4407.4	4402.0	4372.4	4345.4	4327.9	4323.8
20°	4326.5	4327.9	4354.8	4385.9	4420.9	4447.9	4435.7	4403.4	4367.0	4340.0	4333.3
22.5°	4344.1	4349.5	4383.2	4431.7	4485.6	4522.0	4507.2	4451.9	4395.3	4361.6	4352.1
25°	4399.3	4400.7	4446.5	4512.6	4577.3	4619.1	4601.6	4523.4	4450.6	4412.8	4400.7
27.5°	4513.9	4518.0	4563.8	4640.7	4696.0	4722.9	4712.1	4648.8	4586.7	4546.3	4550.3
30°	4679.8	4685.2	4736.4	4821.3	4855.0	4861.8	4859.1	4829.4	4772.8	4718.9	4722.9
32.5°	4882.0	4884.7	4953.5	5030.3	5057.3	5062.7	5057.3	5030.3	4962.9	4890.1	4894.1
35°	5142.2	5150.3	5216.4	5290.5	5312.1	5322.9	5313.5	5278.4	5208.3	5136.8	5134.1
37.5°	5463.1	5464.5	5533.2	5610.1	5637.0	5639.7	5628.9	5606.0	5518.4	5453.7	5449.6
40°	5835.2	5840.6	5921.5	6003.8	6014.5	6002.4	6017.2	6003.8	5913.4	5839.3	5851.4
42.5°	6288.2	6300.4	6397.4	6478.3	6447.3	6440.6	6450.0	6454.1	6381.3	6290.9	6282.8
45°	6815.4	6826.2	6947.5	7012.2	6992.0	6947.5	6966.4	6998.8	6897.6	6785.7	6796.5
47.5°	7416.7	7443.7	7573.1	7633.8	7583.9	7523.2	7559.6	7608.2	7489.5	7350.7	7343.9
50°	8085.5	8119.2	8291.7	8376.7	8326.8	8214.9	8275.6	8307.9	8136.7	7957.4	7942.5
52.5°	8798.7	8832.4	9049.5	9224.7	9192.4	9018.4	9103.4	9069.7	8872.8	8631.5	8612.6
55°	9606.3	9619.8	9854.4	10137.5	10169.8	10041.8	10036.4	9981.1	9689.9	9410.8	9397.3
57.5°	10436.8	10446.2	10749.6	11084.0	11236.3	11236.3	11085.3	10968.0	10581.1	10257.5	10223.8
60°	11333.4	11367.1	11702.8	12157.2	12513.1	12618.3	12351.3	12031.8	11611.1	11216.1	11177.0
62.5°	12131.5	12170.6	12684.3	13361.2	13932.8	14315.7	13663.2	13142.7	12376.9	11743.3	11669.1
65°	12232.7	12337.8	13086.1	14311.7	15591.2	16355.6	15104.4	13822.3	12426.8	11546.4	11470.9
67.5°	11171.6	11349.6	12360.8	14268.5	16912.4	18553.3	16025.3	13434.0	11531.6	10558.1	10474.6
70°	8584.3	8843.2	10009.4	12480.7	16684.6	19261.1	15448.2	11760.8	9614.4	8566.8	8449.5
72.5°	4709.4	4815.9	5864.9	8546.6	13376.0	16367.7	12885.2	8696.2	6375.9	5188.1	4991.2
75°	1493.9	1531.6	2065.5	3497.4	7566.4	10841.3	8185.2	4268.6	2350.0	1732.5	1712.3
77.5°	663.3	667.4	746.9	1020.6	2606.2	5492.8	3130.6	1162.2	800.9	699.7	722.7
80°	419.3	419.3	462.4	505.6	709.2	1595.0	846.7	552.8	471.9	438.2	447.6
82.5°	200.9	222.5	300.7	323.6	389.6	536.6	434.1	361.3	315.5	234.6	218.4
85°	132.1	110.6	190.1	214.4	226.5	257.5	252.1	238.6	206.3	117.3	130.8
87.5°	59.3	56.6	98.4	90.3	84.9	64.7	97.1	120.0	115.9	58.0	58.0
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)