

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: P316499

Luminaire Tested: **GAN-SA5D-740-U-5MQ**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P316499  
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-740-U-5MQ  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(5) 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: 40739 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

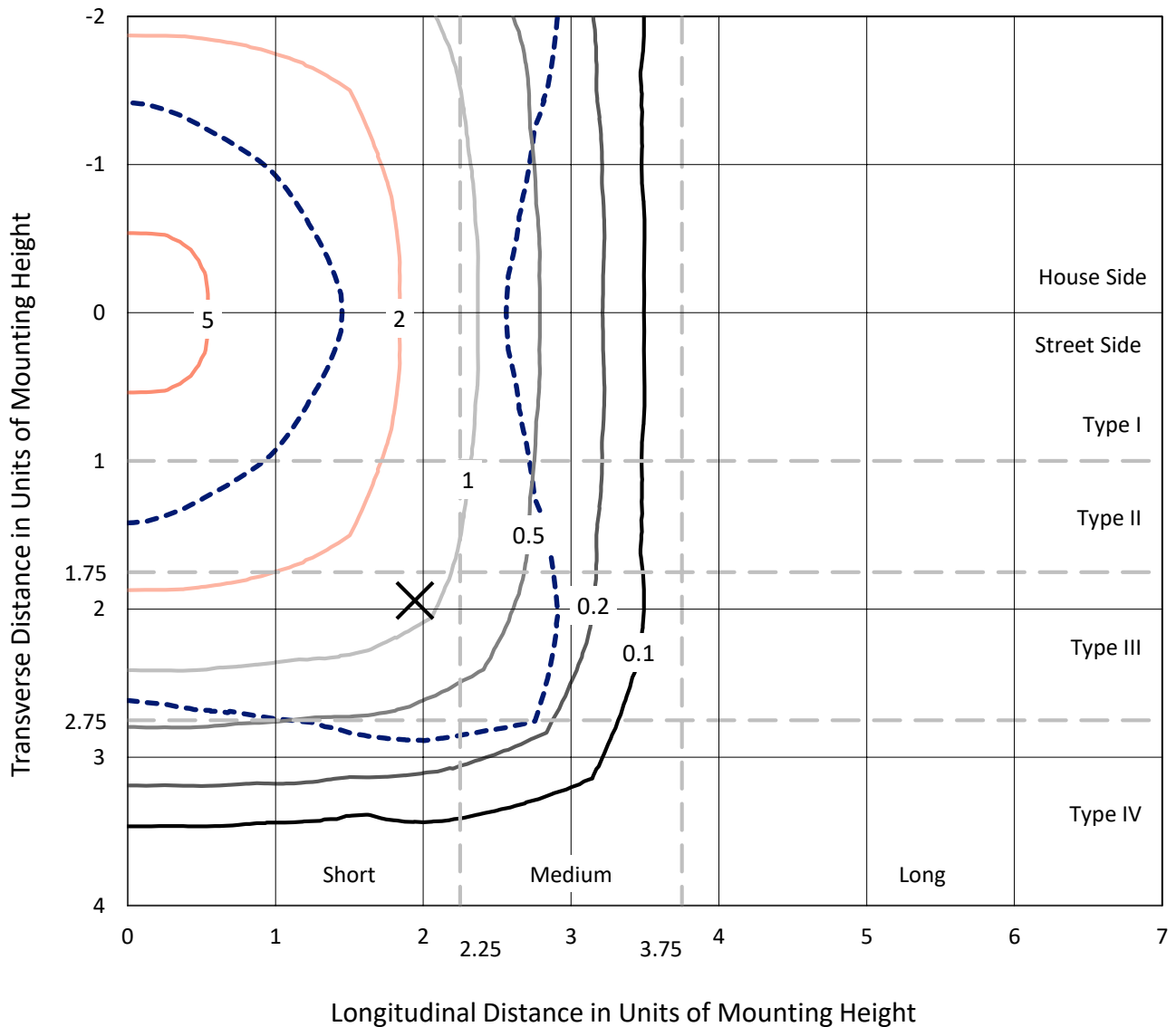
Input Watts (W): 320  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

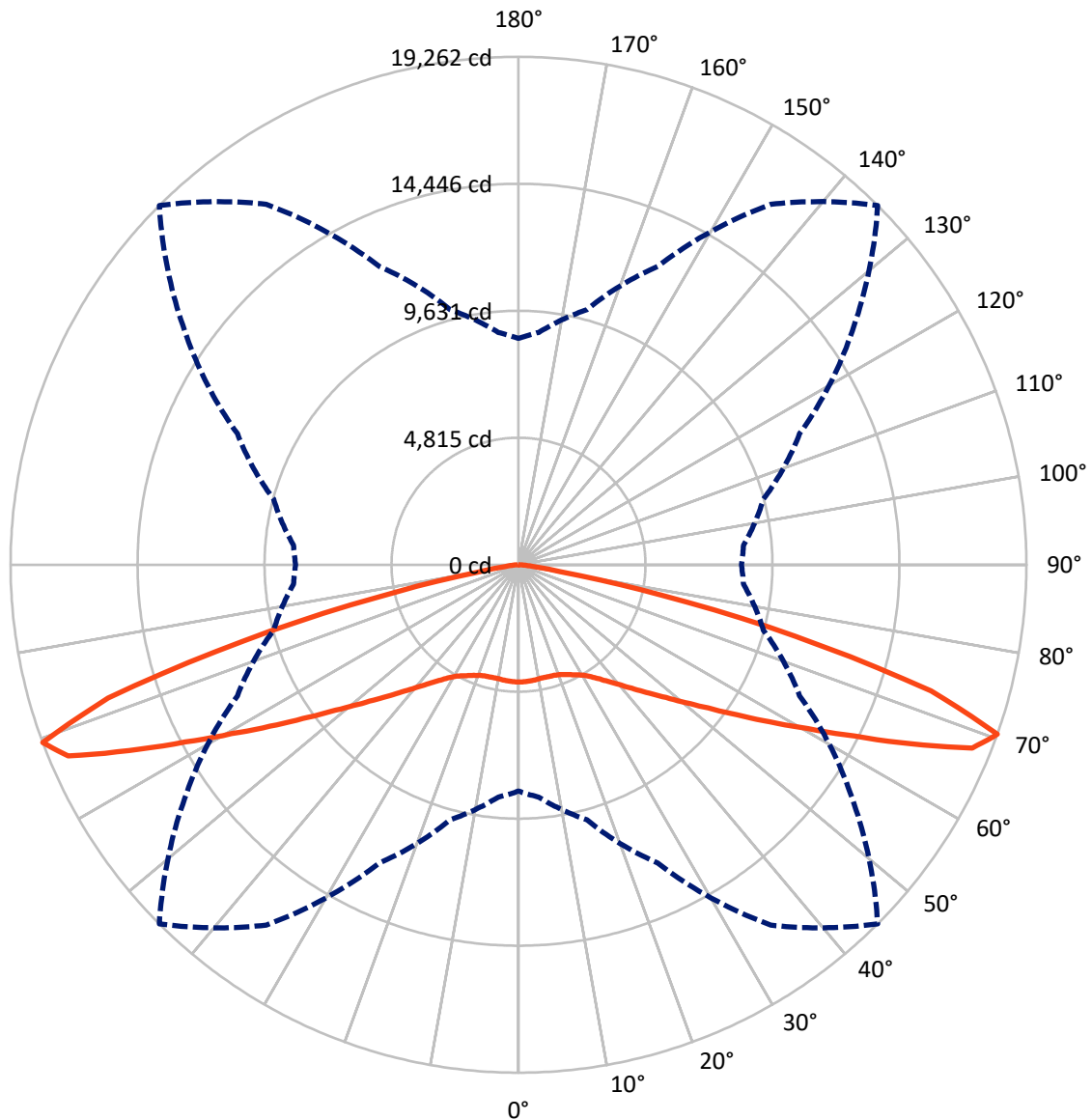
✕ Max cd  
 - - - 1/2 Max cd



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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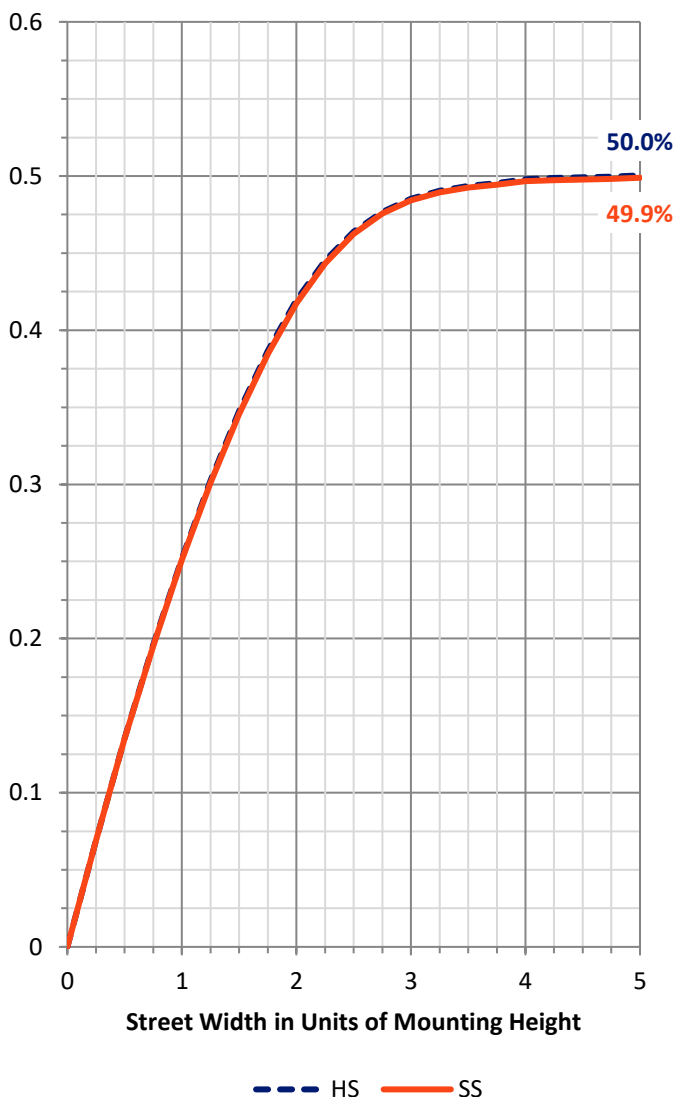
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	20369.5	0.0	20369.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	20369.5	0.0	20369.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	40739.0	0.0	40739.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	421.4	1.0
10°-20°	1237.1	3.0
20°-30°	2106.0	5.2
30°-40°	3340.1	8.2
40°-50°	5435.3	13.3
50°-60°	8961.8	22.0
60°-70°	13156.2	32.3
70°-80°	5817.7	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°	40739.0	100.0
0°-180°	40739.0	100.0

**Coefficient of Utilization**



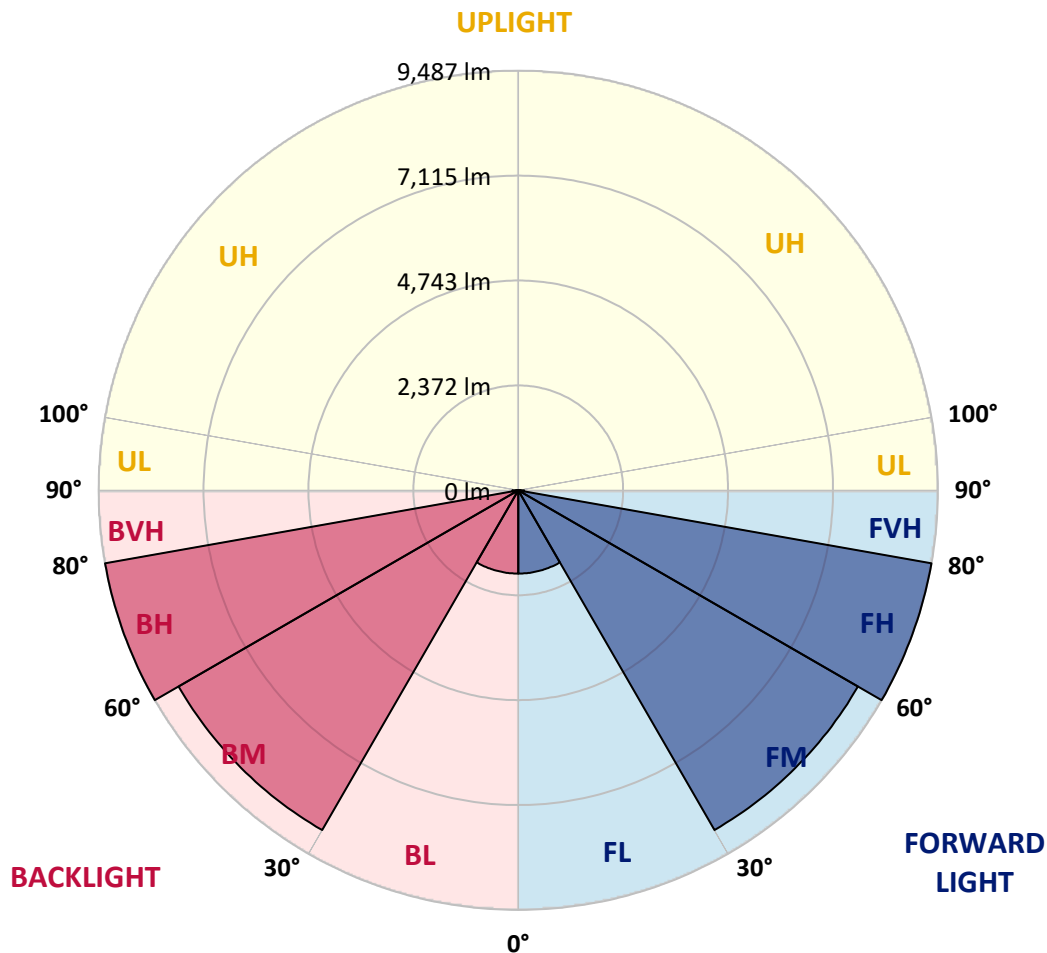
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1882.2	4.6			
FM (30°-60°)	8868.6	21.8			
FH (60°-80°)	9486.9	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°)	8868.6	21.8	B5		
BH (60°-80°)	9486.9	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°	4449.3	4449.3	4449.3	4449.3	4449.3	4449.3	4449.3	4449.3	4449.3	4449.3	4449.3
2.5°	4442.6	4438.5	4448.0	4446.6	4438.5	4439.9	4439.9	4443.9	4443.9	4441.2	4441.2
5°	4426.4	4423.7	4434.5	4434.5	4426.4	4429.1	4431.8	4435.8	4434.5	4431.8	4430.5
7.5°	4406.2	4404.8	4415.6	4415.6	4410.2	4412.9	4410.2	4411.6	4408.9	4406.2	4402.1
10°	4372.5	4375.2	4384.6	4387.3	4387.3	4388.7	4386.0	4379.2	4375.2	4371.1	4367.1
12.5°	4341.5	4340.1	4353.6	4360.3	4371.1	4383.3	4375.2	4356.3	4348.2	4340.1	4337.4
15°	4321.2	4322.6	4336.1	4348.2	4367.1	4392.7	4383.3	4353.6	4337.4	4328.0	4325.3
17.5°	4317.2	4319.9	4337.4	4359.0	4379.2	4407.5	4402.1	4372.5	4345.5	4328.0	4323.9
20°	4326.6	4328.0	4355.0	4386.0	4421.0	4448.0	4435.8	4403.5	4367.1	4340.1	4333.4
22.5°	4344.2	4349.6	4383.3	4431.8	4485.7	4522.1	4507.3	4452.0	4395.4	4361.7	4352.3
25°	4399.4	4400.8	4446.6	4512.7	4577.4	4619.2	4601.7	4523.5	4450.7	4412.9	4400.8
27.5°	4514.1	4518.1	4563.9	4640.8	4696.1	4723.0	4712.2	4648.9	4586.9	4546.4	4550.5
30°	4679.9	4685.3	4736.5	4821.5	4855.2	4861.9	4859.2	4829.5	4772.9	4719.0	4723.0
32.5°	4882.1	4884.8	4953.6	5030.4	5057.4	5062.8	5057.4	5030.4	4963.0	4890.2	4894.3
35°	5142.4	5150.4	5216.5	5290.7	5312.2	5323.0	5313.6	5278.5	5208.4	5137.0	5134.3
37.5°	5463.2	5464.6	5533.4	5610.2	5637.2	5639.9	5629.1	5606.2	5518.5	5453.8	5449.8
40°	5835.4	5840.8	5921.7	6003.9	6014.7	6002.6	6017.4	6003.9	5913.6	5839.4	5851.5
42.5°	6288.4	6300.5	6397.6	6478.5	6447.5	6440.7	6450.2	6454.2	6381.4	6291.1	6283.0
45°	6815.6	6826.4	6947.7	7012.4	6992.2	6947.7	6966.6	6998.9	6897.8	6785.9	6796.7
47.5°	7416.9	7443.9	7573.3	7634.0	7584.1	7523.4	7559.8	7608.4	7489.7	7350.8	7344.1
50°	8085.7	8119.4	8291.9	8376.9	8327.0	8215.1	8275.8	8308.1	8136.9	7957.6	7942.7
52.5°	8798.9	8832.6	9049.7	9224.9	9192.6	9018.7	9103.6	9069.9	8873.0	8631.7	8612.8
55°	9606.5	9620.0	9854.6	10137.7	10170.1	10042.0	10036.6	9981.3	9690.1	9411.0	9397.5
57.5°	10437.1	10446.5	10749.9	11084.2	11236.6	11236.6	11085.6	10968.3	10581.3	10257.7	10224.0
60°	11333.7	11367.4	11703.1	12157.5	12513.4	12618.6	12351.6	12032.1	11611.4	11216.4	11177.3
62.5°	12131.8	12170.9	12684.6	13361.5	13933.2	14316.1	13663.5	13143.1	12377.2	11743.5	11669.4
65°	12233.0	12338.1	13086.4	14312.0	15591.5	16356.0	15104.8	13822.6	12427.1	11546.7	11471.2
67.5°	11171.9	11349.8	12361.1	14268.9	16912.9	18553.7	16025.7	13434.3	11531.9	10558.4	10474.8
70°	8584.5	8843.4	10009.7	12481.1	16685.0	19261.6	15448.6	11761.1	9614.6	8567.0	8449.7
72.5°	4709.6	4816.1	5865.0	8546.8	13376.3	16368.2	12885.5	8696.4	6376.0	5188.2	4991.3
75°	1493.9	1531.6	2065.6	3497.4	7566.6	10841.5	8185.4	4268.7	2350.1	1732.5	1712.3
77.5°	663.4	667.4	746.9	1020.6	2606.2	5492.9	3130.7	1162.2	800.9	699.8	722.7
80°	419.3	419.3	462.5	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	389.7	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	116.0	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)