

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: P316529

Luminaire Tested: **GAN-SA5C-750-U-5MQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316529
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-SA5C-750-U-5MQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(5) 70 CRI, 5000K, 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: 37136 lumens
Efficiency: N/A
Efficacy: 133.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

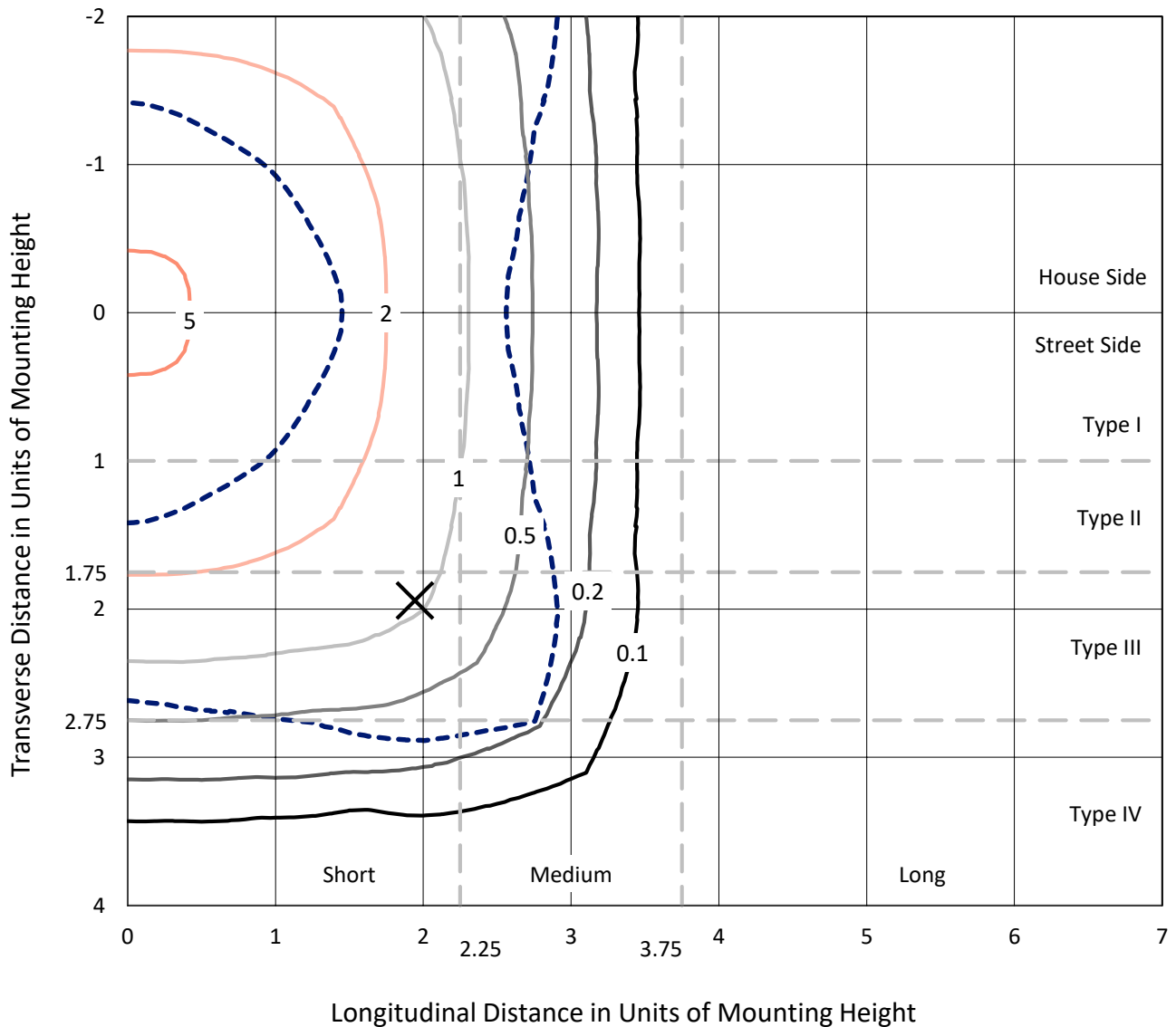
Input Watts (W): 279
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

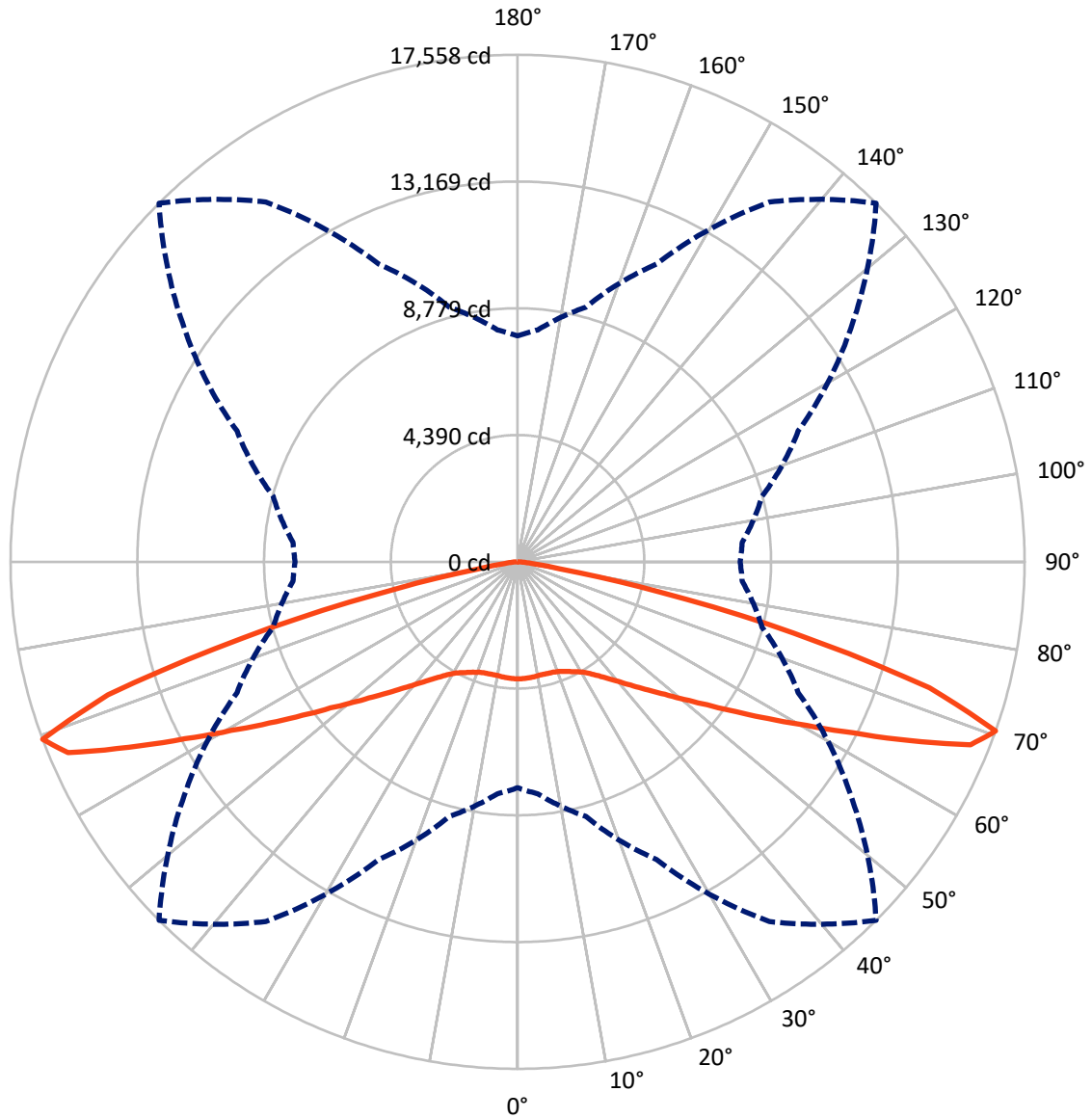
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.5 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	18568.0	0.0	18568.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	18568.0	0.0	18568.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	37136.0	0.0	37136.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	384.1	1.0
10°-20°	1127.7	3.0
20°-30°	1919.7	5.2
30°-40°	3044.7	8.2
40°-50°	4954.6	13.3
50°-60°	8169.2	22.0
60°-70°	11992.7	32.3
70°-80°	5303.1	14.3
80°-90°	240.1	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°	37136.0	100.0
0°-180°	37136.0	100.0

Coefficient of Utilization

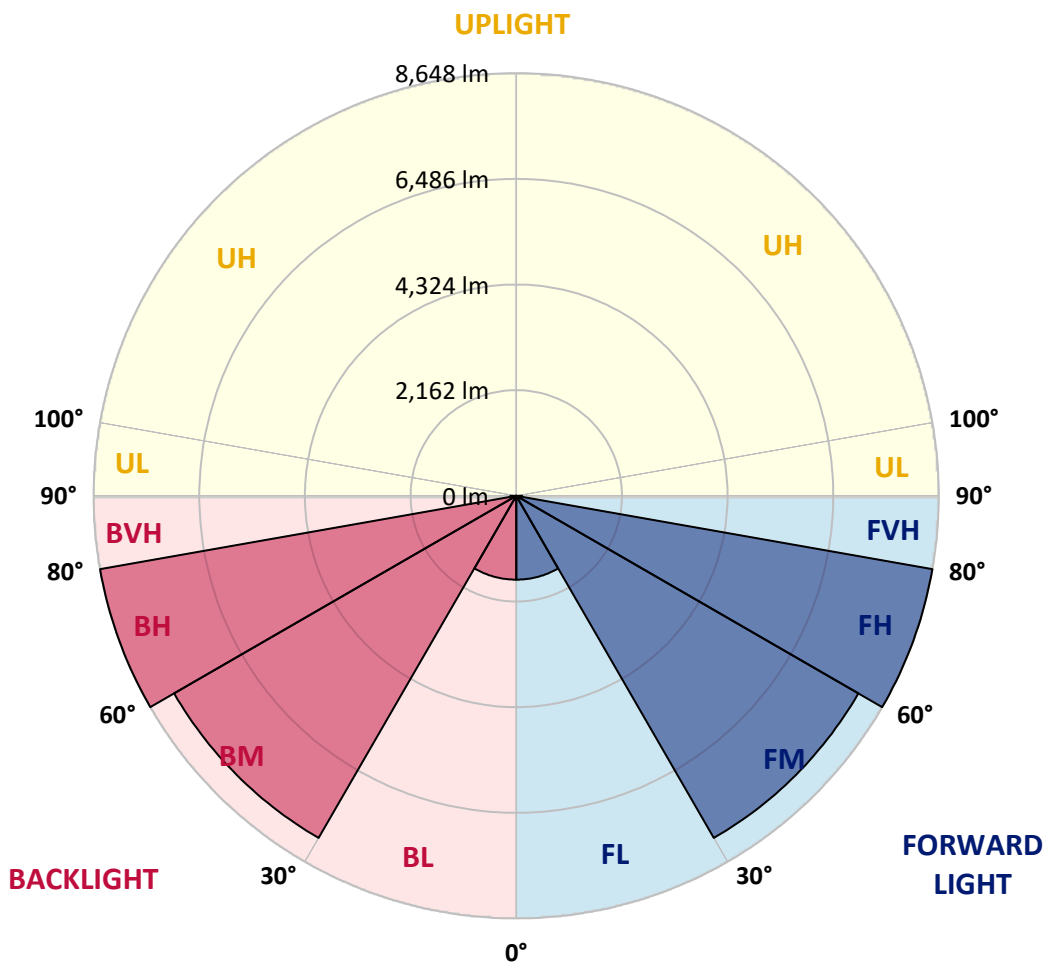


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1715.8	4.6			
FM (30°-60°)	8084.2	21.8			
FH (60°-80°)	8647.9	23.3			G4/12000
FVH (80°-90°)	120.1	0.3			G2/225
BL (0°-30°)	1715.8	4.6	B3/2500		
BM (30°-60°)	8084.2	21.8	B4/8500		
BH (60°-80°)	8647.9	23.3	B5		G4/12000
BVH (80°-90°)	120.1	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°	4055.8	4055.8	4055.8	4055.8	4055.8	4055.8	4055.8	4055.8	4055.8	4055.8	4055.8
2.5°	4049.7	4046.0	4054.6	4053.4	4046.0	4047.2	4047.2	4050.9	4050.9	4048.5	4048.5
5°	4034.9	4032.5	4042.3	4042.3	4034.9	4037.4	4039.9	4043.5	4042.3	4039.9	4038.6
7.5°	4016.5	4015.3	4025.1	4025.1	4020.2	4022.6	4020.2	4021.4	4019.0	4016.5	4012.8
10°	3985.8	3988.2	3996.8	3999.3	3999.3	4000.5	3998.1	3991.9	3988.2	3984.5	3980.9
12.5°	3957.5	3956.3	3968.6	3974.7	3984.5	3995.6	3988.2	3971.0	3963.7	3956.3	3953.8
15°	3939.1	3940.3	3952.6	3963.7	3980.9	4004.2	3995.6	3968.6	3953.8	3945.2	3942.8
17.5°	3935.4	3937.8	3953.8	3973.5	3991.9	4017.7	4012.8	3985.8	3961.2	3945.2	3941.5
20°	3944.0	3945.2	3969.8	3998.1	4030.0	4054.6	4043.5	4014.0	3980.9	3956.3	3950.1
22.5°	3960.0	3964.9	3995.6	4039.9	4089.0	4122.2	4108.7	4058.3	4006.7	3975.9	3967.3
25°	4010.4	4011.6	4053.4	4113.6	4172.6	4210.7	4194.7	4123.4	4057.1	4022.6	4011.6
27.5°	4114.8	4118.5	4160.3	4230.4	4280.7	4305.3	4295.5	4237.7	4181.2	4144.3	4148.0
30°	4266.0	4270.9	4317.6	4395.0	4425.8	4431.9	4429.5	4402.4	4350.8	4301.6	4305.3
32.5°	4450.4	4452.8	4515.5	4585.5	4610.1	4615.0	4610.1	4585.5	4524.1	4457.7	4461.4
35°	4687.6	4694.9	4755.2	4822.7	4842.4	4852.2	4843.6	4811.7	4747.8	4682.6	4680.2
37.5°	4980.1	4981.3	5044.0	5114.0	5138.6	5141.1	5131.2	5110.3	5030.5	4971.5	4967.8
40°	5319.3	5324.2	5397.9	5472.9	5482.7	5471.7	5485.2	5472.9	5390.6	5323.0	5334.0
42.5°	5732.2	5743.3	5831.8	5905.5	5877.3	5871.1	5879.7	5883.4	5817.0	5734.7	5727.3
45°	6212.8	6222.6	6333.2	6392.2	6373.8	6333.2	6350.4	6379.9	6287.8	6185.8	6195.6
47.5°	6760.9	6785.5	6903.5	6958.8	6913.3	6858.0	6891.2	6935.5	6827.3	6700.7	6694.6
50°	7370.5	7401.3	7558.6	7636.0	7590.5	7488.5	7543.8	7573.3	7417.3	7253.8	7240.3
52.5°	8020.7	8051.4	8249.3	8409.1	8379.6	8221.0	8298.5	8267.7	8088.3	7868.3	7851.1
55°	8756.9	8769.2	8983.0	9241.1	9270.6	9153.9	9149.0	9098.6	8833.1	8578.7	8566.4
57.5°	9514.0	9522.6	9799.1	10103.9	10242.8	10242.8	10105.2	9998.2	9645.5	9350.5	9319.8
60°	10331.3	10362.0	10668.1	11082.2	11406.7	11502.6	11259.2	10967.9	10584.5	10224.4	10188.7
62.5°	11058.9	11094.5	11562.8	12179.8	12700.9	13049.9	12455.1	11980.7	11282.6	10704.9	10637.3
65°	11151.1	11246.9	11929.1	13046.3	14212.6	14909.5	13768.9	12600.1	11328.1	10525.5	10456.7
67.5°	10183.8	10346.1	11267.8	13006.9	15417.1	16912.8	14608.4	12246.1	10512.0	9624.6	9548.4
70°	7825.3	8061.3	9124.4	11377.2	15209.4	17558.1	14082.3	10720.9	8764.3	7809.3	7702.4
72.5°	4293.0	4390.1	5346.3	7790.9	12193.3	14920.5	11745.9	7927.3	5812.1	4729.3	4549.9
75°	1361.8	1396.2	1882.9	3188.1	6897.4	9882.7	7461.5	3891.1	2142.2	1579.3	1560.9
77.5°	604.7	608.4	680.9	930.4	2375.7	5007.1	2853.8	1059.4	730.0	637.9	658.8
80°	382.2	382.2	421.6	460.9	646.5	1454.0	771.8	503.9	430.2	399.4	408.0
82.5°	183.1	202.8	274.1	295.0	355.2	489.2	395.8	329.4	287.6	213.9	199.1
85°	120.4	100.8	173.3	195.4	206.5	234.7	229.8	217.5	188.0	106.9	119.2
87.5°	54.1	51.6	89.7	82.3	77.4	59.0	88.5	109.4	105.7	52.8	52.8
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)