

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: P316489

Luminaire Tested: **GAN-SA5C-740-U-5MQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316489
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-740-U-5MQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(5) 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: 37137 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

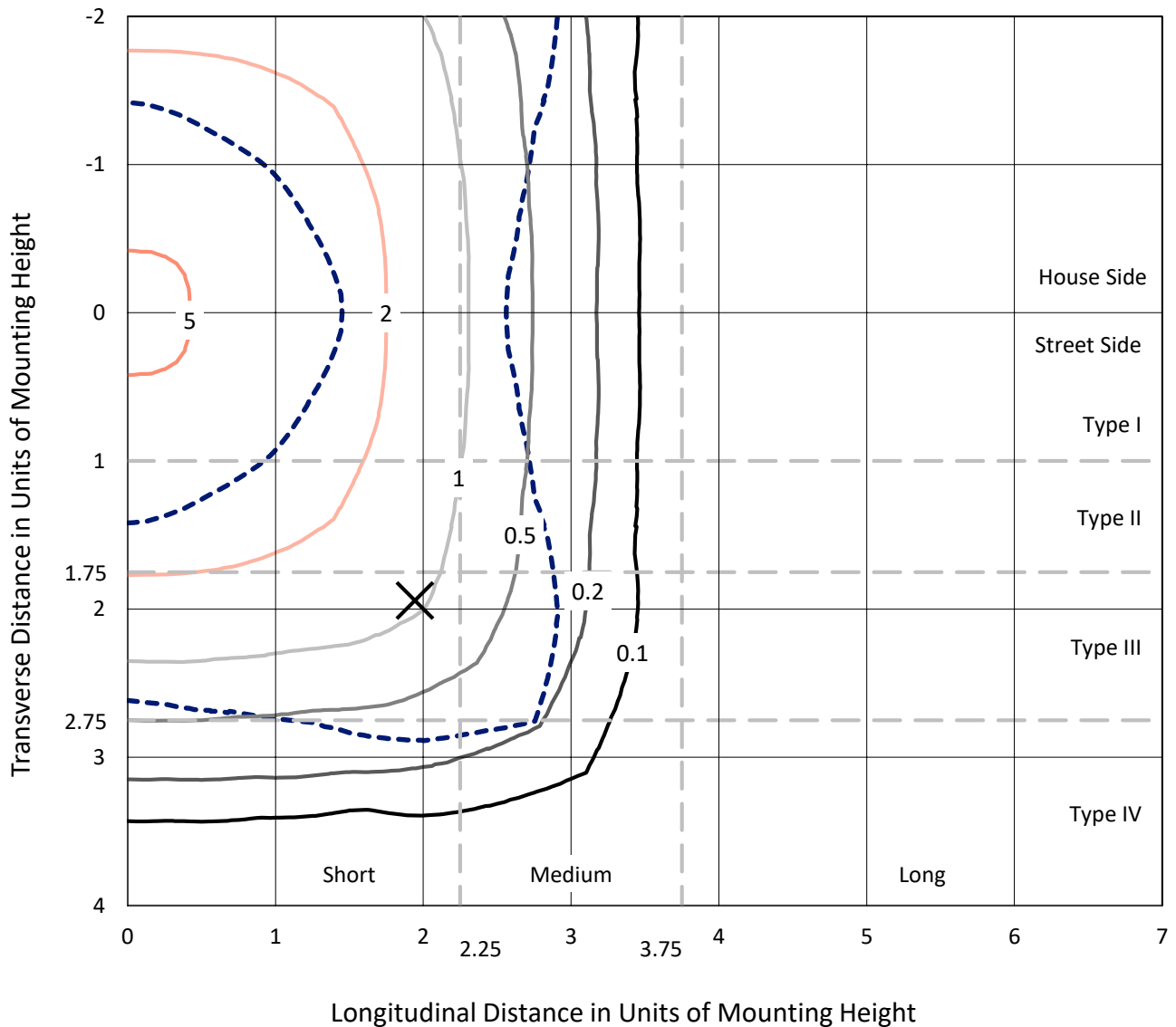
Input Watts (W): 279
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

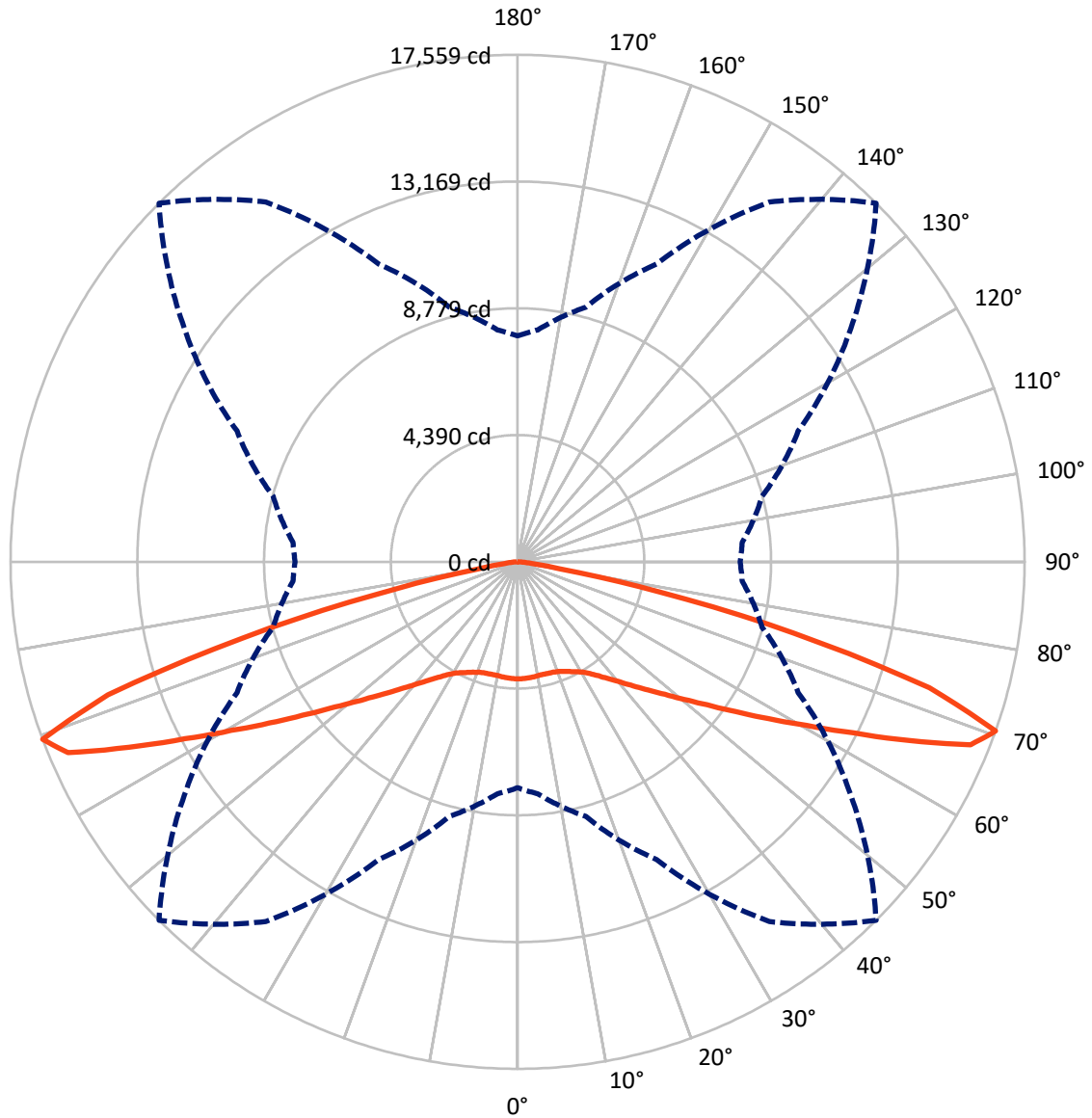
✕ Max cd
 - - - 1/2 Max cd



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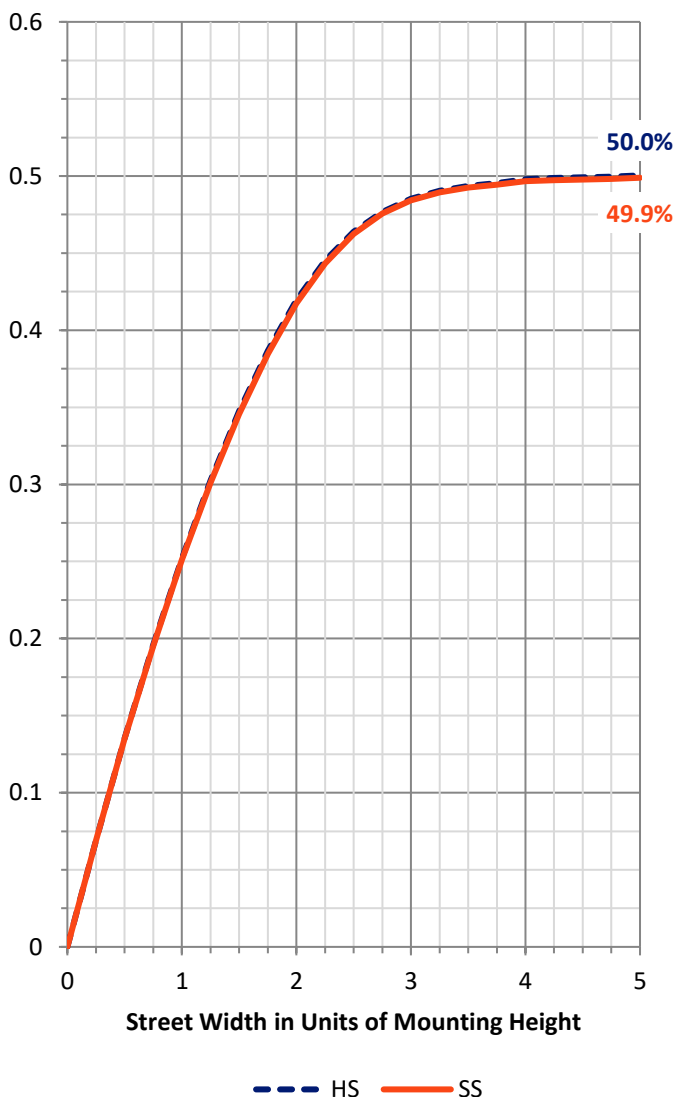
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	18568.5	0.0	18568.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	18568.5	0.0	18568.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	37137.0	0.0	37137.0
	% 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°	1919.8	5.2
30°-40°	3044.7	8.2
40°-50°	4954.7	13.3
50°-60°	8169.5	22.0
60°-70°	11993.0	32.3
70°-80°	5303.3	14.3
80°-90°	240.2	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°	37137.0	100.0
0°-180°	37137.0	100.0

Coefficient of Utilization

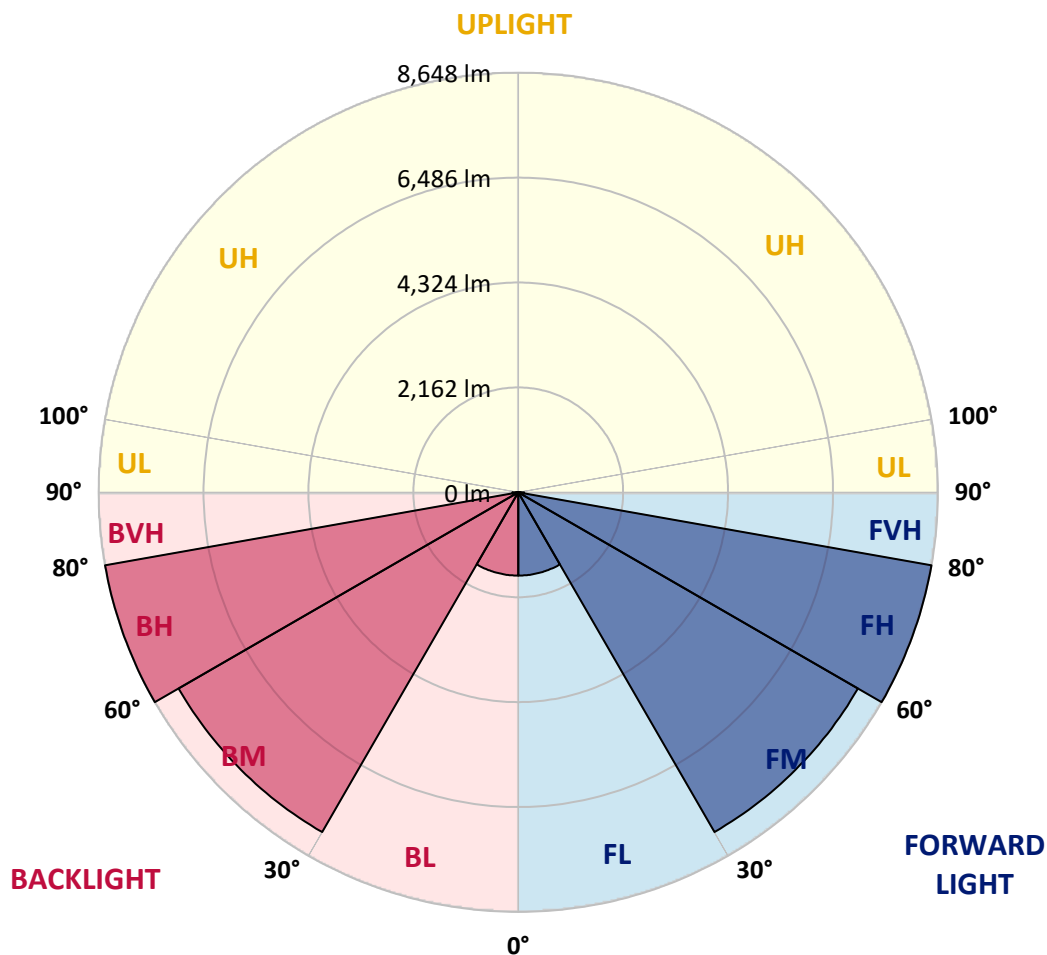


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1715.8	4.6			
FM (30°-60°)	8084.5	21.8			
FH (60°-80°)	8648.1	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°)	8084.5	21.8	B4/8500		
BH (60°-80°)	8648.1	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°	4055.9	4055.9	4055.9	4055.9	4055.9	4055.9	4055.9	4055.9	4055.9	4055.9	4055.9
2.5°	4049.8	4046.1	4054.7	4053.5	4046.1	4047.3	4047.3	4051.0	4051.0	4048.6	4048.6
5°	4035.0	4032.6	4042.4	4042.4	4035.0	4037.5	4040.0	4043.6	4042.4	4040.0	4038.7
7.5°	4016.6	4015.4	4025.2	4025.2	4020.3	4022.8	4020.3	4021.5	4019.1	4016.6	4012.9
10°	3985.9	3988.3	3996.9	3999.4	3999.4	4000.6	3998.2	3992.0	3988.3	3984.7	3981.0
12.5°	3957.6	3956.4	3968.7	3974.8	3984.7	3995.7	3988.3	3971.1	3963.8	3956.4	3953.9
15°	3939.2	3940.4	3952.7	3963.8	3981.0	4004.3	3995.7	3968.7	3953.9	3945.3	3942.9
17.5°	3935.5	3937.9	3953.9	3973.6	3992.0	4017.8	4012.9	3985.9	3961.3	3945.3	3941.6
20°	3944.1	3945.3	3969.9	3998.2	4030.1	4054.7	4043.6	4014.1	3981.0	3956.4	3950.2
22.5°	3960.1	3965.0	3995.7	4040.0	4089.1	4122.3	4108.8	4058.4	4006.8	3976.0	3967.4
25°	4010.5	4011.7	4053.5	4113.7	4172.7	4210.8	4194.8	4123.5	4057.2	4022.8	4011.7
27.5°	4114.9	4118.6	4160.4	4230.5	4280.9	4305.4	4295.6	4237.8	4181.3	4144.4	4148.1
30°	4266.1	4271.0	4317.7	4395.2	4425.9	4432.0	4429.6	4402.5	4350.9	4301.8	4305.4
32.5°	4450.5	4452.9	4515.6	4585.7	4610.2	4615.2	4610.2	4585.7	4524.2	4457.8	4461.5
35°	4687.7	4695.1	4755.3	4822.9	4842.5	4852.4	4843.8	4811.8	4747.9	4682.8	4680.3
37.5°	4980.2	4981.4	5044.1	5114.2	5138.8	5141.2	5131.4	5110.5	5030.6	4971.6	4967.9
40°	5319.4	5324.3	5398.1	5473.1	5482.9	5471.8	5485.3	5473.1	5390.7	5323.1	5334.2
42.5°	5732.4	5743.5	5831.9	5905.7	5877.4	5871.3	5879.9	5883.6	5817.2	5734.9	5727.5
45°	6213.0	6222.8	6333.4	6392.4	6374.0	6333.4	6350.6	6380.1	6287.9	6185.9	6195.8
47.5°	6761.1	6785.7	6903.7	6959.0	6913.5	6858.2	6891.4	6935.7	6827.5	6700.9	6694.8
50°	7370.7	7401.5	7558.8	7636.2	7590.8	7488.7	7544.0	7573.5	7417.5	7254.0	7240.5
52.5°	8020.9	8051.7	8249.5	8409.3	8379.8	8221.3	8298.7	8268.0	8088.5	7868.5	7851.3
55°	8757.1	8769.4	8983.3	9241.4	9270.9	9154.1	9149.2	9098.8	8833.3	8578.9	8566.6
57.5°	9514.2	9522.9	9799.4	10104.2	10243.1	10243.1	10105.4	9998.5	9645.8	9350.8	9320.1
60°	10331.6	10362.3	10668.3	11082.5	11407.0	11502.9	11259.5	10968.2	10584.8	10224.7	10189.0
62.5°	11059.2	11094.8	11563.1	12180.1	12701.2	13050.3	12455.4	11981.0	11282.9	10705.2	10637.6
65°	11151.4	11247.2	11929.4	13046.6	14213.0	14909.9	13769.3	12600.4	11328.4	10525.8	10456.9
67.5°	10184.1	10346.3	11268.1	13007.3	15417.5	16913.3	14608.8	12246.5	10512.3	9624.9	9548.7
70°	7825.5	8061.5	9124.6	11377.5	15209.8	17558.5	14082.7	10721.2	8764.5	7809.5	7702.6
72.5°	4293.1	4390.2	5346.5	7791.1	12193.6	14920.9	11746.2	7927.5	5812.3	4729.5	4550.0
75°	1361.8	1396.2	1882.9	3188.2	6897.6	9883.0	7461.7	3891.2	2142.3	1579.4	1560.9
77.5°	604.7	608.4	680.9	930.4	2375.8	5007.2	2853.9	1059.5	730.1	637.9	658.8
80°	382.2	382.2	421.6	460.9	646.5	1454.0	771.9	503.9	430.2	399.4	408.1
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	234.8	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	52.9	52.9
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)