

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: P316394

Luminaire Tested: **GAN-SA0A-727-U-5MQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316394
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-SA0A-727-U-5MQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(10) 70 CRI, 2700K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V
MEDIUM OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 40523 lumens
Efficiency: N/A
Efficacy: 125.5 lumens/watt
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

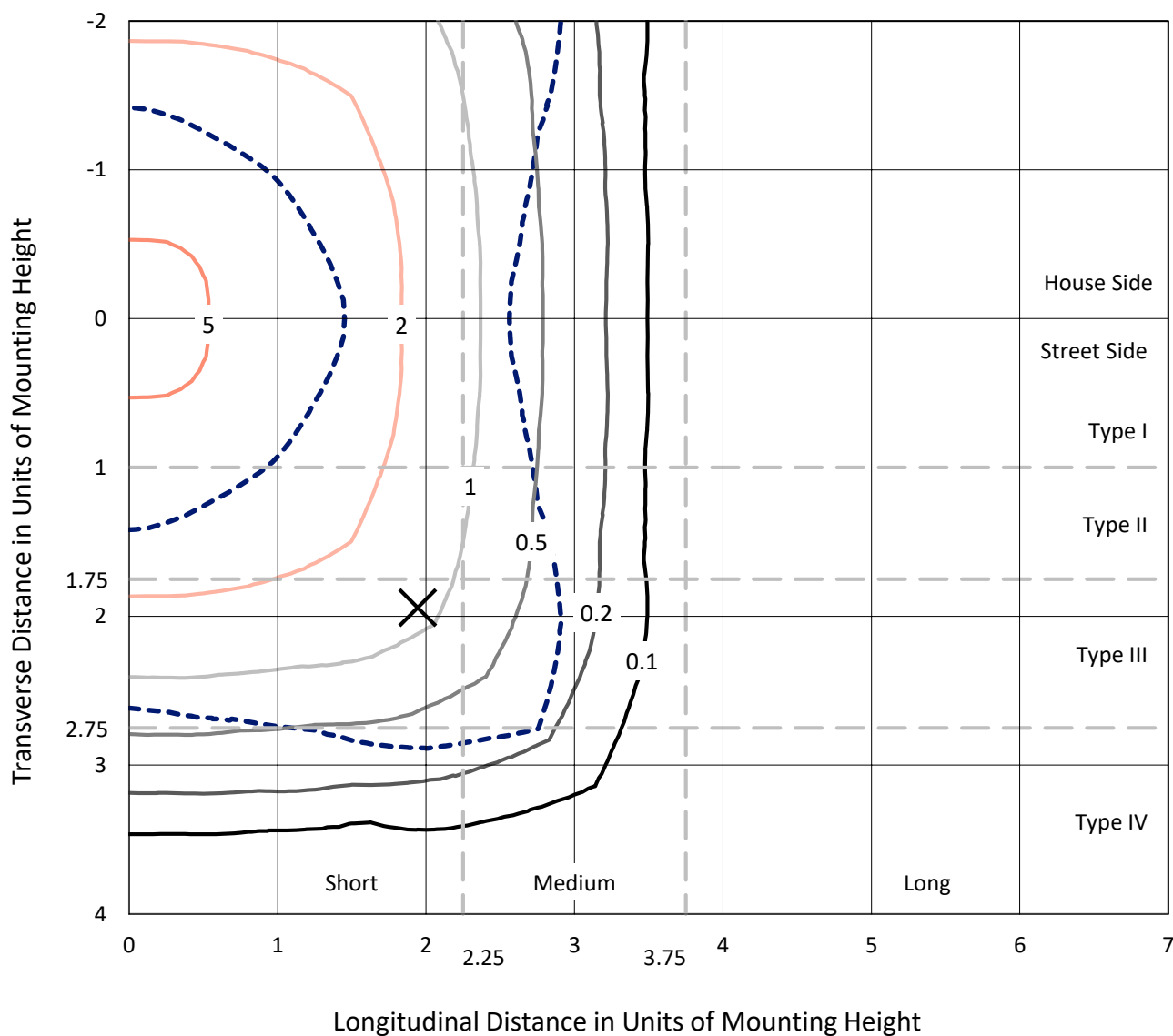
Input Watts (W): 323
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

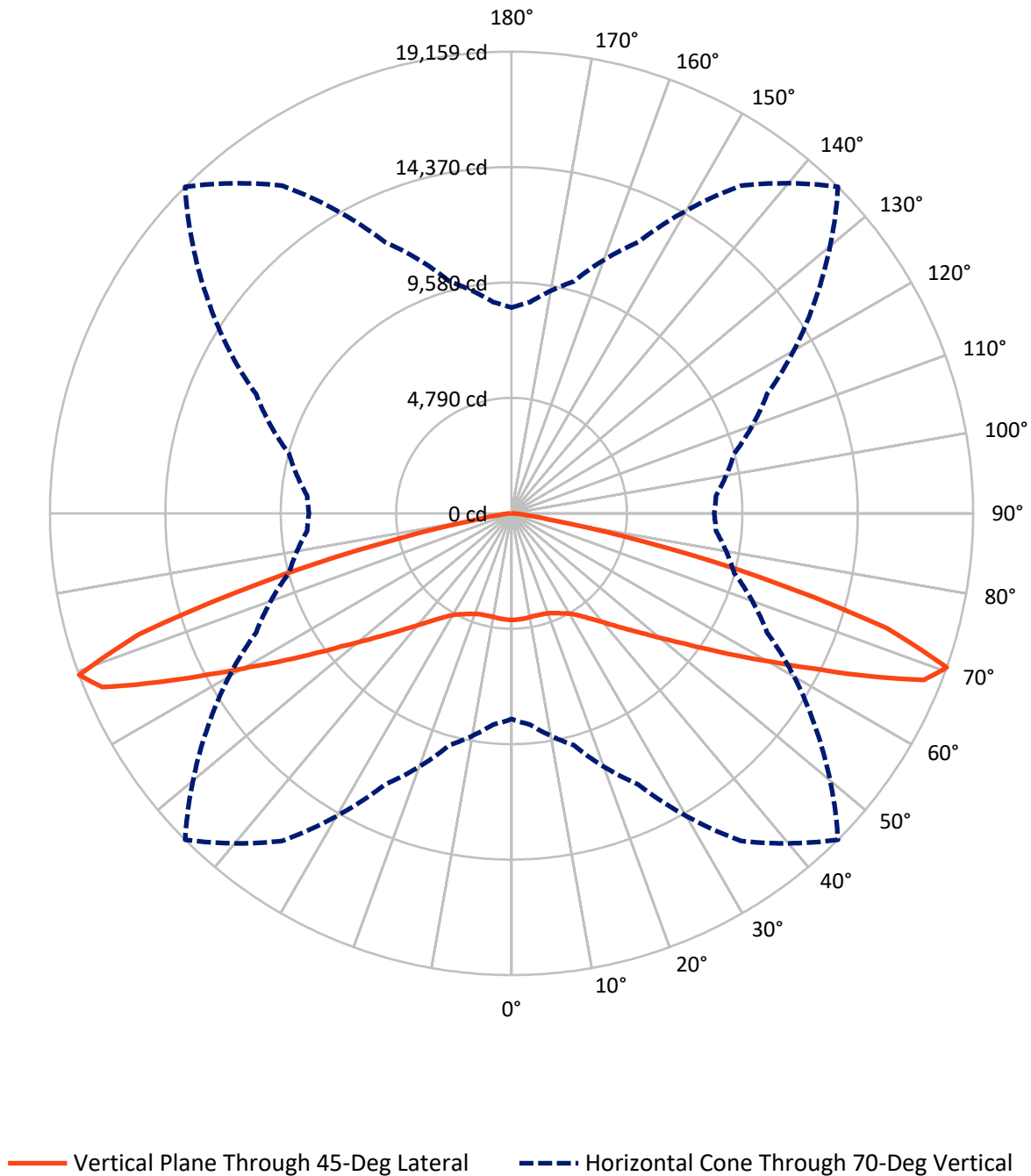
✕ Max cd
 - - - 1/2 Max cd



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



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	20261.5	0.0	20261.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	20261.5	0.0	20261.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	40523.0	0.0	40523.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	419.2	1.0
10°-20°	1230.6	3.0
20°-30°	2094.8	5.2
30°-40°	3322.3	8.2
40°-50°	5406.5	13.3
50°-60°	8914.3	22.0
60°-70°	13086.5	32.3
70°-80°	5786.8	14.3
80°-90°	262.1	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°	40523.0	100.0
0°-180°	40523.0	100.0

Coefficient of Utilization



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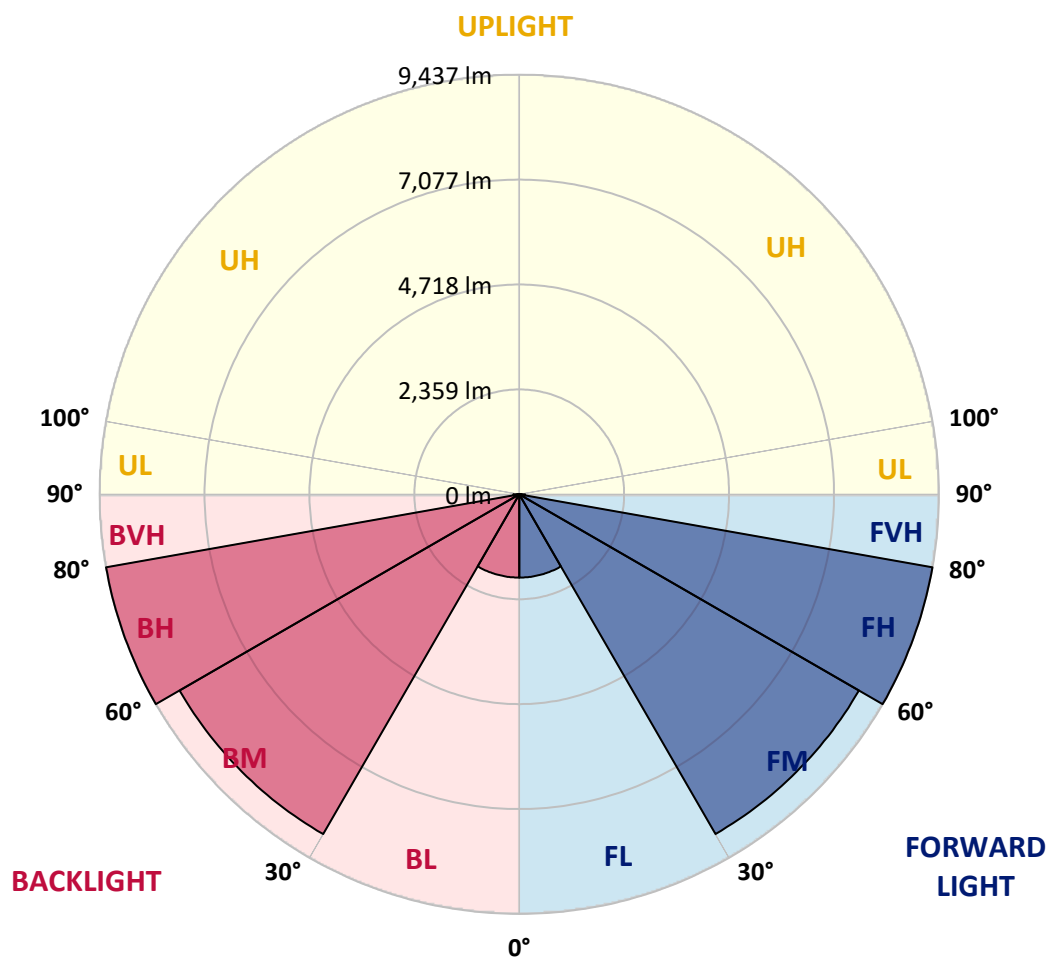
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1872.3	4.6			
FM	(30°-60°)	8821.6	21.8			
FH	(60°-80°)	9436.6	23.3			G4/12000
FVH	(80°-90°)	131.0	0.3			G2/225
BL	(0°-30°)	1872.3	4.6	B3/2500		
BM	(30°-60°)	8821.6	21.8	B5		
BH	(60°-80°)	9436.6	23.3	B5		G4/12000
BVH	(80°-90°)	131.0	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°	4425.7	4425.7	4425.7	4425.7	4425.7	4425.7	4425.7	4425.7	4425.7	4425.7	4425.7
2.5°	4419.0	4415.0	4424.4	4423.1	4415.0	4416.4	4416.4	4420.4	4420.4	4417.7	4417.7
5°	4402.9	4400.3	4411.0	4411.0	4402.9	4405.6	4408.3	4412.3	4411.0	4408.3	4407.0
7.5°	4382.8	4381.5	4392.2	4392.2	4386.8	4389.5	4386.8	4388.2	4385.5	4382.8	4378.8
10°	4349.3	4352.0	4361.4	4364.1	4364.1	4365.4	4362.7	4356.0	4352.0	4348.0	4343.9
12.5°	4318.5	4317.1	4330.5	4337.2	4348.0	4360.0	4352.0	4333.2	4325.2	4317.1	4314.4
15°	4298.3	4299.7	4313.1	4325.2	4343.9	4369.4	4360.0	4330.5	4314.4	4305.0	4302.4
17.5°	4294.3	4297.0	4314.4	4335.9	4356.0	4384.2	4378.8	4349.3	4322.5	4305.0	4301.0
20°	4303.7	4305.0	4331.9	4362.7	4397.6	4424.4	4412.3	4380.1	4343.9	4317.1	4310.4
22.5°	4321.1	4326.5	4360.0	4408.3	4462.0	4498.2	4483.4	4428.4	4372.1	4338.6	4329.2
25°	4376.1	4377.5	4423.1	4488.8	4553.1	4594.7	4577.3	4499.5	4427.1	4389.5	4377.5
27.5°	4490.1	4494.1	4539.7	4616.2	4671.2	4698.0	4687.3	4624.2	4562.5	4522.3	4526.3
30°	4655.1	4660.4	4711.4	4795.9	4829.4	4836.1	4833.4	4803.9	4747.6	4694.0	4698.0
32.5°	4856.2	4858.9	4927.3	5003.8	5030.6	5036.0	5030.6	5003.8	4936.7	4864.3	4868.3
35°	5115.1	5123.1	5188.8	5262.6	5284.1	5294.8	5285.4	5250.5	5180.8	5109.7	5107.0
37.5°	5434.3	5435.6	5504.0	5580.5	5607.3	5610.0	5599.2	5576.4	5489.3	5424.9	5420.9
40°	5804.4	5809.8	5890.3	5972.1	5982.8	5970.7	5985.5	5972.1	5882.2	5808.5	5820.5
42.5°	6255.0	6267.1	6363.7	6444.1	6413.3	6406.6	6416.0	6420.0	6347.6	6257.7	6249.7
45°	6779.4	6790.2	6910.9	6975.2	6955.1	6910.9	6929.6	6961.8	6861.2	6749.9	6760.7
47.5°	7377.6	7404.4	7533.1	7593.5	7543.9	7483.5	7519.7	7568.0	7450.0	7311.9	7305.2
50°	8042.8	8076.3	8248.0	8332.5	8282.8	8171.5	8231.9	8264.1	8093.7	7915.4	7900.6
52.5°	8752.2	8785.8	9001.7	9176.0	9143.9	8970.8	9055.3	9021.8	8826.0	8585.9	8567.2
55°	9555.6	9569.0	9802.3	10084.0	10116.2	9988.8	9983.4	9928.4	9638.7	9361.1	9347.7
57.5°	10381.7	10391.1	10692.9	11025.5	11177.0	11177.0	11026.8	10910.1	10525.2	10203.3	10169.8
60°	11273.6	11307.1	11641.0	12093.0	12447.1	12551.7	12286.1	11968.3	11549.8	11156.9	11118.0
62.5°	12067.5	12106.4	12617.4	13290.6	13859.3	14240.2	13591.1	13073.4	12311.6	11681.3	11607.5
65°	12168.1	12272.7	13017.0	14236.1	15508.9	16269.3	15024.7	13749.3	12361.2	11485.5	11410.4
67.5°	11112.6	11289.7	12295.5	14193.2	16823.2	18455.3	15940.7	13363.1	11470.7	10502.4	10419.3
70°	8539.0	8796.5	9956.6	12414.9	16596.5	19159.4	15366.7	11698.7	9563.6	8521.6	8404.9
72.5°	4684.6	4790.5	5833.9	8501.4	13305.4	16281.4	12817.2	8650.3	6342.2	5160.7	4964.9
75°	1486.0	1523.5	2054.6	3478.9	7526.4	10784.1	8142.0	4246.0	2337.6	1723.4	1703.2
77.5°	659.8	663.9	743.0	1015.2	2592.4	5463.8	3114.1	1156.1	796.6	696.0	718.8
80°	417.1	417.1	460.0	502.9	705.4	1586.6	842.2	549.9	469.4	435.9	445.3
82.5°	199.8	221.3	299.1	321.9	387.6	533.8	431.8	359.4	313.8	233.4	217.3
85°	131.4	110.0	189.1	213.2	225.3	256.2	250.8	237.4	205.2	116.7	130.1
87.5°	59.0	56.3	97.9	89.9	84.5	64.4	96.6	119.4	115.3	57.7	57.7
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)