

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: P316132

Luminaire Tested: **GAN-SA8C-730-U-5WQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316132
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-2)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA8C-730-U-5WQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 70 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 54377 lumens
Efficiency: N/A
Efficacy: 122.2 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G5

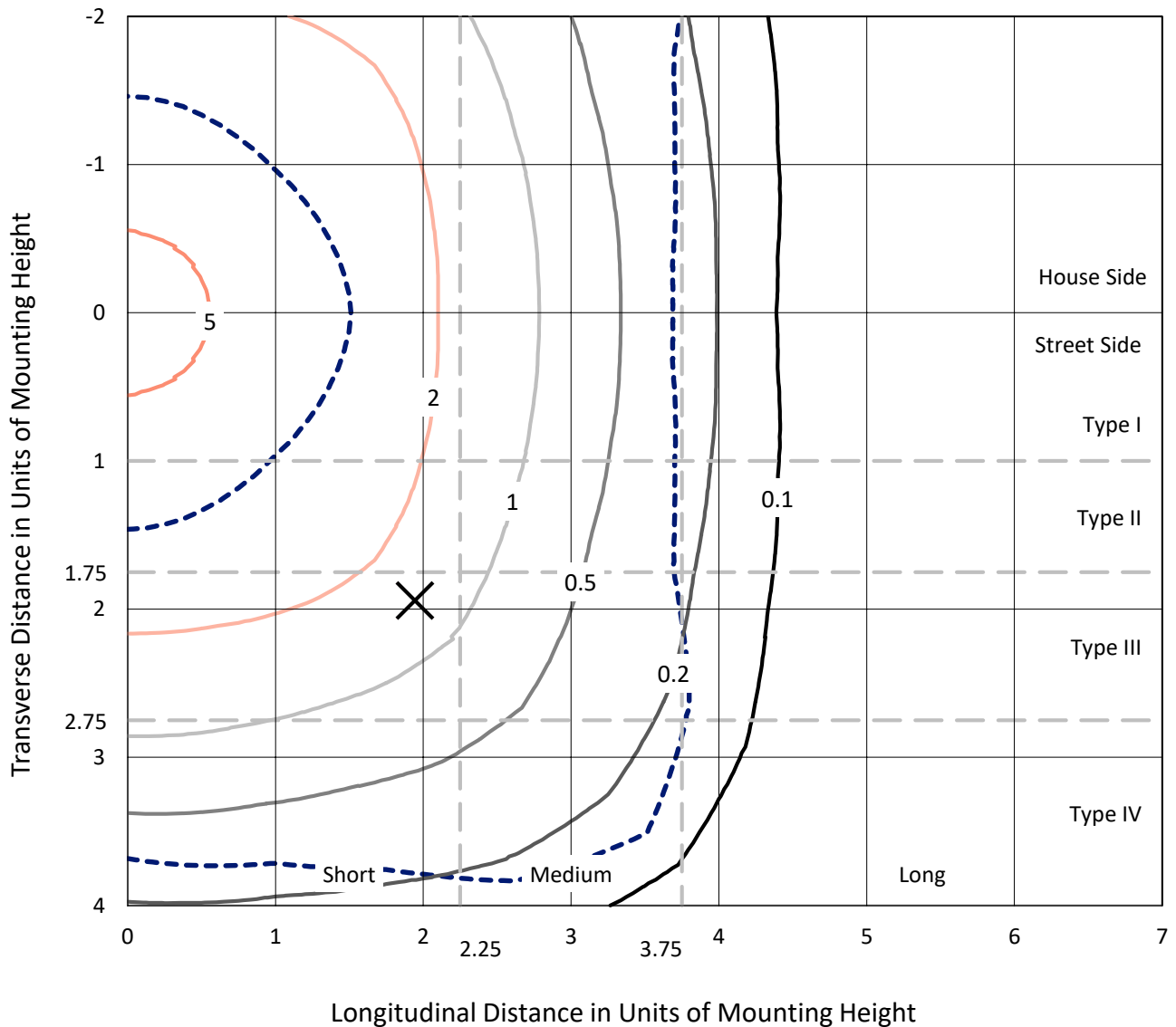
Input Watts (W): 445
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

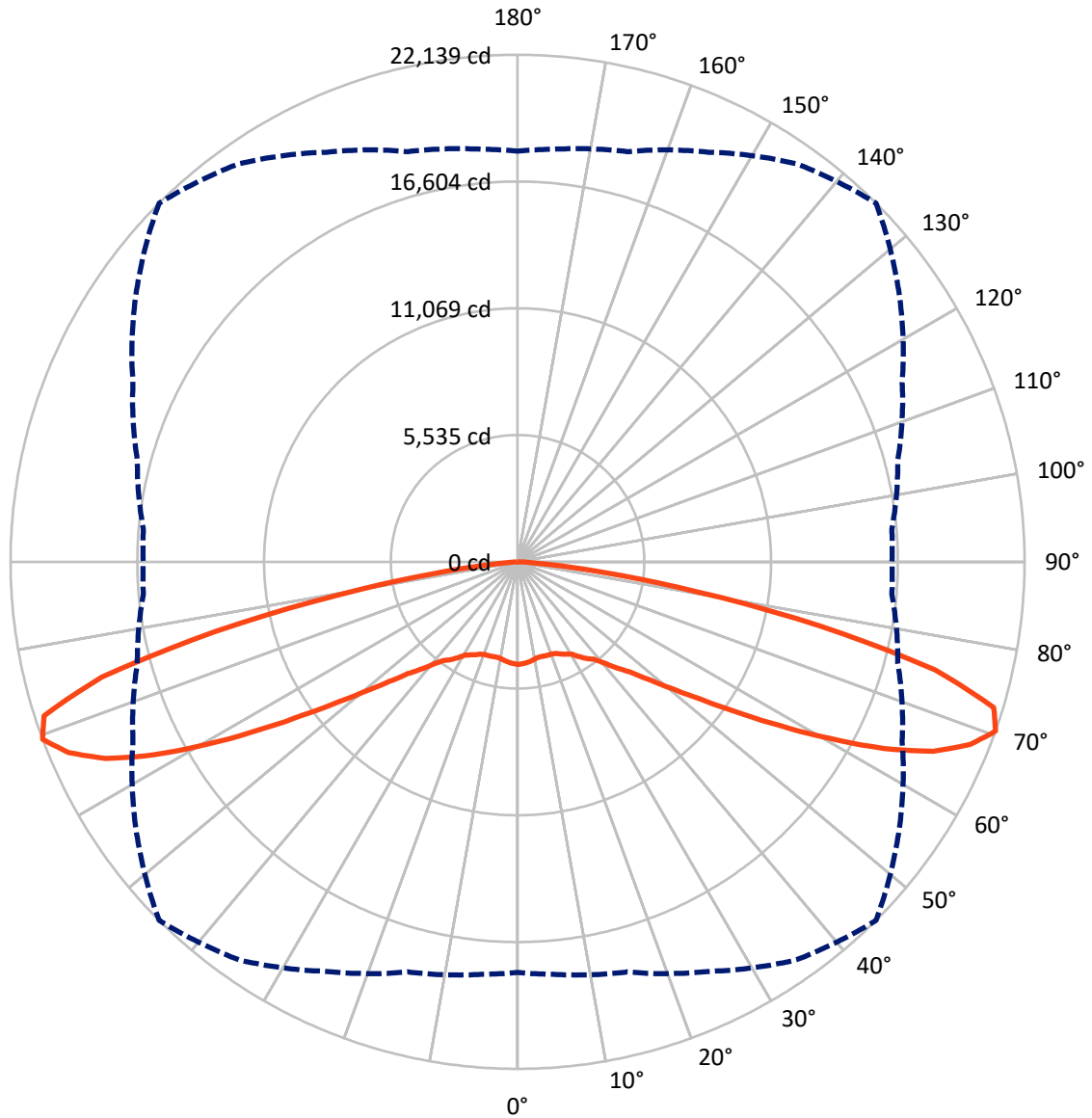
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.2 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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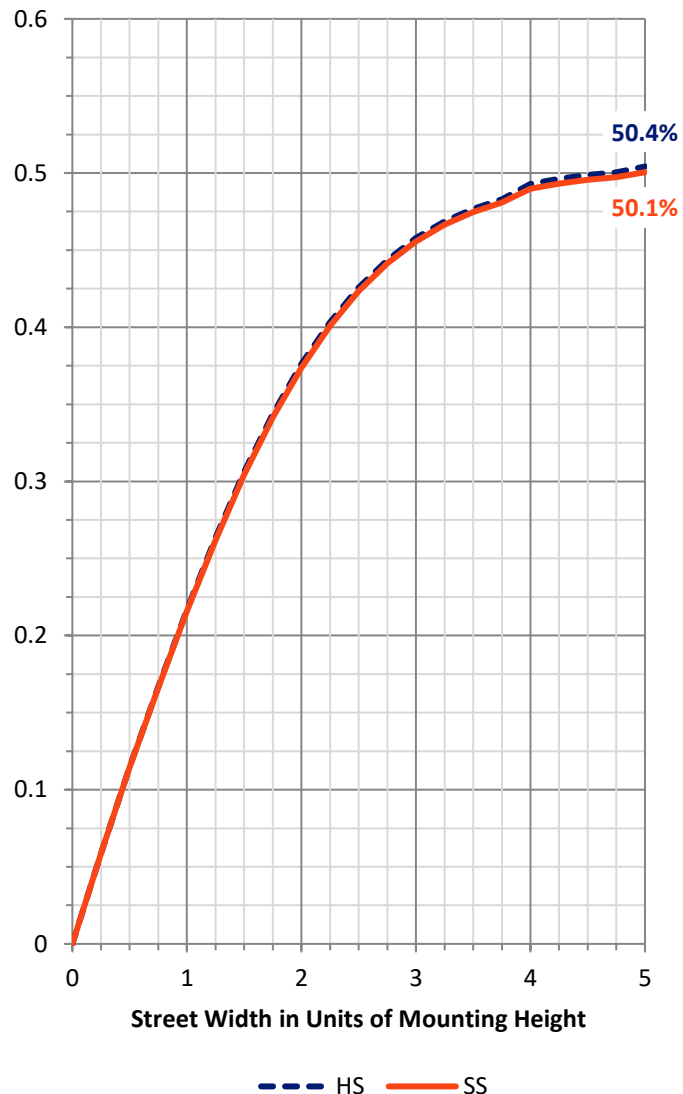
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	27188.5	0.0	27188.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	27188.5	0.0	27188.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	54377.0	0.0	54377.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	417.7	0.8
10°-20°	1220.1	2.2
20°-30°	2080.2	3.8
30°-40°	3250.4	6.0
40°-50°	5508.6	10.1
50°-60°	10045.4	18.5
60°-70°	17293.9	31.8
70°-80°	13555.6	24.9
80°-90°	1005.1	1.8
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°	54377.0	100.0
0°-180°	54377.0	100.0

Coefficient of Utilization



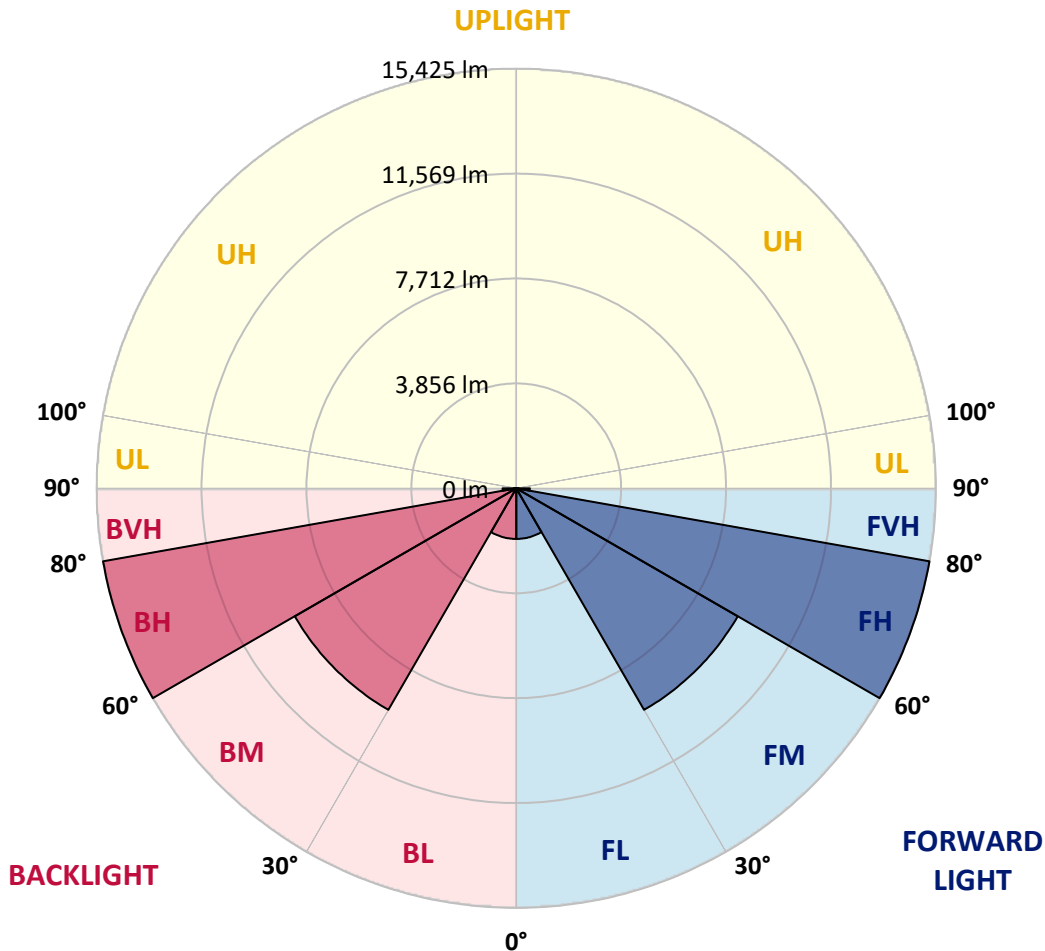
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1859.0	3.4			
FM (30°-60°)	9402.2	17.3			
FH (60°-80°)	15424.7	28.4			G5
FVH (80°-90°)	502.6	0.9			G4/750
BL (0°-30°)	1859.0	3.4	B3/2500		
BM (30°-60°)	9402.2	17.3	B5		
BH (60°-80°)	15424.7	28.4	B5		G5
BVH (80°-90°)	502.6	0.9			G4/750
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G5

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4475.2	4475.2	4475.2	4475.2	4475.2	4475.2	4475.2	4475.2	4475.2	4475.2	4475.2
2.5°	4455.4	4460.8	4455.4	4459.0	4450.1	4453.6	4453.6	4453.6	4451.9	4453.6	4450.1
5°	4415.9	4419.5	4412.3	4415.9	4410.5	4415.9	4417.7	4415.9	4412.3	4414.1	4406.9
7.5°	4356.5	4360.1	4354.7	4360.1	4352.9	4361.9	4360.1	4354.7	4349.3	4349.3	4342.1
10°	4324.1	4325.9	4311.6	4306.2	4290.0	4293.6	4299.0	4304.4	4309.8	4320.5	4318.7
12.5°	4325.9	4325.9	4304.4	4281.0	4257.6	4263.0	4272.0	4291.8	4313.3	4333.1	4334.9
15°	4343.9	4342.1	4309.8	4272.0	4255.8	4272.0	4277.4	4290.0	4324.1	4358.3	4360.1
17.5°	4356.5	4356.5	4306.2	4263.0	4261.2	4286.4	4284.6	4290.0	4327.7	4378.1	4379.9
20°	4379.9	4379.9	4315.1	4268.4	4268.4	4295.4	4297.2	4306.2	4343.9	4399.7	4408.7
22.5°	4432.1	4433.9	4365.5	4327.7	4331.3	4347.5	4352.9	4367.3	4401.5	4462.6	4473.4
25°	4505.8	4509.4	4439.3	4417.7	4430.3	4460.8	4457.2	4468.0	4505.8	4565.2	4576.0
27.5°	4608.3	4599.3	4534.6	4525.6	4538.2	4559.8	4558.0	4559.8	4590.4	4644.3	4656.9
30°	4741.4	4737.8	4691.1	4696.5	4691.1	4683.9	4685.7	4700.1	4716.3	4759.4	4772.0
32.5°	4871.0	4874.6	4845.8	4872.8	4912.3	4939.3	4897.9	4858.4	4840.4	4863.8	4874.6
35°	5104.8	5113.8	5068.8	5050.8	5104.8	5183.9	5067.0	5002.3	5038.2	5068.8	5077.8
37.5°	5502.3	5507.7	5432.2	5360.2	5320.6	5396.2	5279.3	5284.7	5410.6	5468.1	5466.3
40°	5955.6	5957.4	5907.0	5844.1	5775.7	5793.7	5746.9	5761.3	5844.1	5896.2	5910.6
42.5°	6495.2	6489.8	6410.7	6320.7	6300.9	6318.9	6239.8	6229.0	6324.3	6417.9	6419.7
45°	7194.9	7182.3	7079.8	6980.9	6885.5	6846.0	6826.2	6878.3	7009.6	7096.0	7097.8
47.5°	7948.6	7914.4	7860.4	7781.3	7698.6	7659.0	7626.6	7651.8	7747.1	7781.3	7784.9
50°	8723.8	8731.0	8741.8	8711.2	8680.7	8668.1	8583.5	8535.0	8563.7	8500.8	8491.8
52.5°	9643.0	9657.4	9761.7	9849.8	9902.0	9929.0	9768.9	9601.6	9508.1	9385.8	9349.8
55°	10727.6	10751.0	10903.9	11148.5	11400.3	11533.4	11243.8	10930.9	10641.3	10412.8	10339.1
57.5°	11936.4	11977.7	12188.2	12657.6	13173.9	13488.7	12999.4	12431.0	11871.6	11542.4	11484.9
60°	13353.8	13393.3	13684.7	14357.4	15193.9	15666.9	14925.8	13995.9	13299.8	12985.0	12878.9
62.5°	15041.0	15044.6	15402.5	16188.5	17293.0	17951.3	16947.6	15704.7	14987.0	14607.5	14504.9
65°	16855.9	16864.9	17235.4	18084.4	19226.6	19942.5	18809.3	17514.2	16636.4	16077.0	15997.9
67.5°	18138.4	18176.1	18566.5	19588.1	20656.6	21302.3	20129.6	18665.4	17650.9	16983.6	16917.0
70°	17933.3	18080.8	18539.5	19732.0	21217.8	22138.7	20343.6	18528.7	17190.4	16402.6	16346.8
72.5°	15639.9	15922.3	16533.9	18098.8	20474.9	21743.0	19176.2	16595.1	15080.5	14409.6	14308.9
75°	10650.3	11108.9	12031.7	14289.1	17492.6	18825.5	16143.6	13231.4	11806.8	10878.7	10810.4
77.5°	4748.6	4853.0	6022.1	8621.3	12071.3	13519.2	11729.5	8655.5	6497.0	5182.1	4905.1
80°	1323.9	1340.1	1787.9	3210.7	6041.9	7943.2	6486.2	3372.6	1895.9	1336.5	1259.1
82.5°	420.9	456.9	557.6	832.8	2030.8	3624.4	2084.7	899.4	640.3	510.8	460.5
85°	205.1	203.3	282.4	338.2	518.0	802.2	552.2	417.3	365.1	242.8	219.4
87.5°	86.3	88.1	131.3	118.7	151.1	129.5	178.1	187.1	196.1	107.9	93.5
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)