

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: P316124

Luminaire Tested: **GAN-SA0B-730-U-5WQ**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P316124  
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-SA0B-730-U-5WQ  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(10) 70 CRI, 3000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 54258 lumens  
Efficiency: N/A  
Efficacy: 129.5 lumens/watt  
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G5

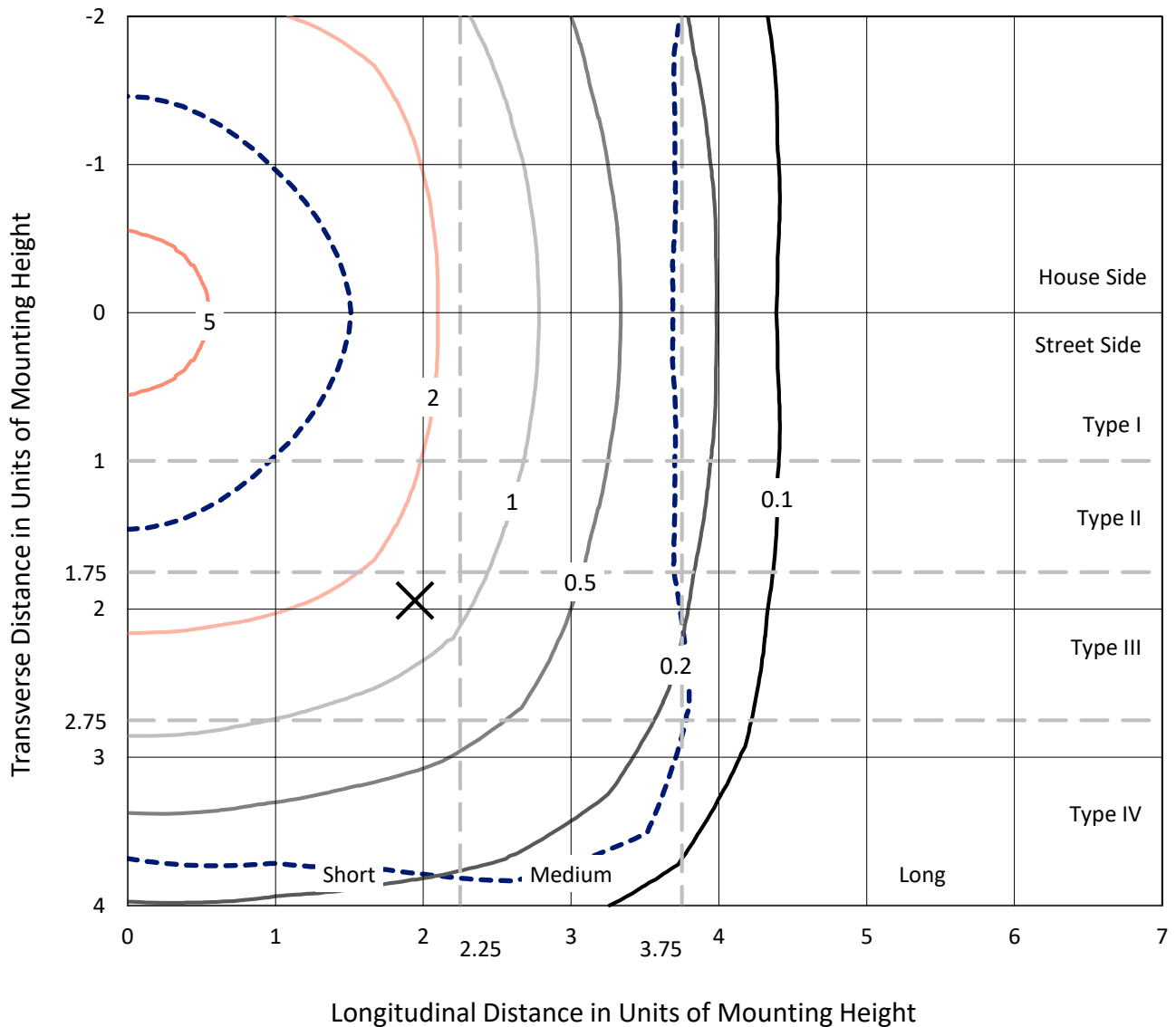
Input Watts (W): 419  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

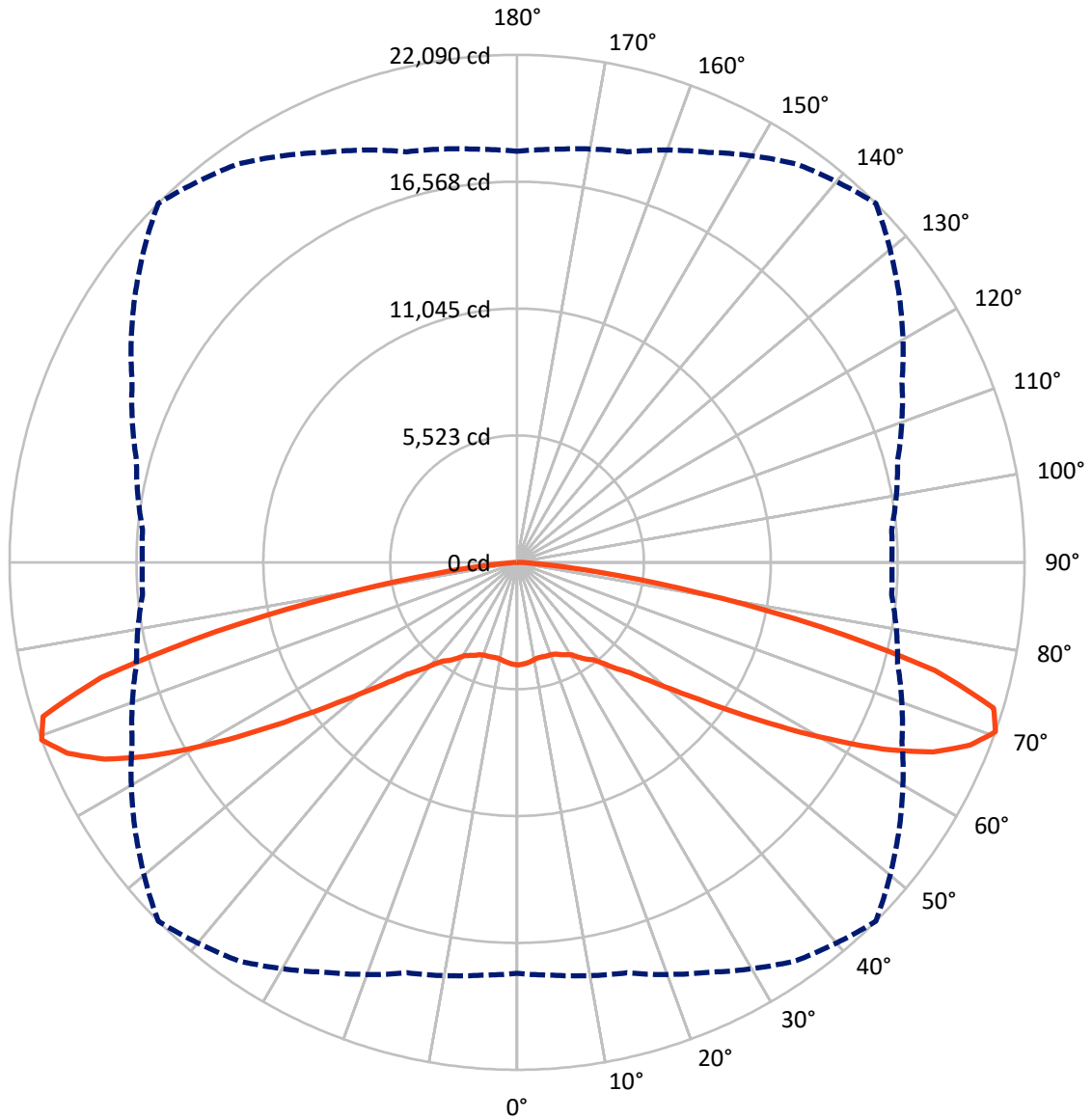
✕ Max cd  
 - - - 1/2 Max cd



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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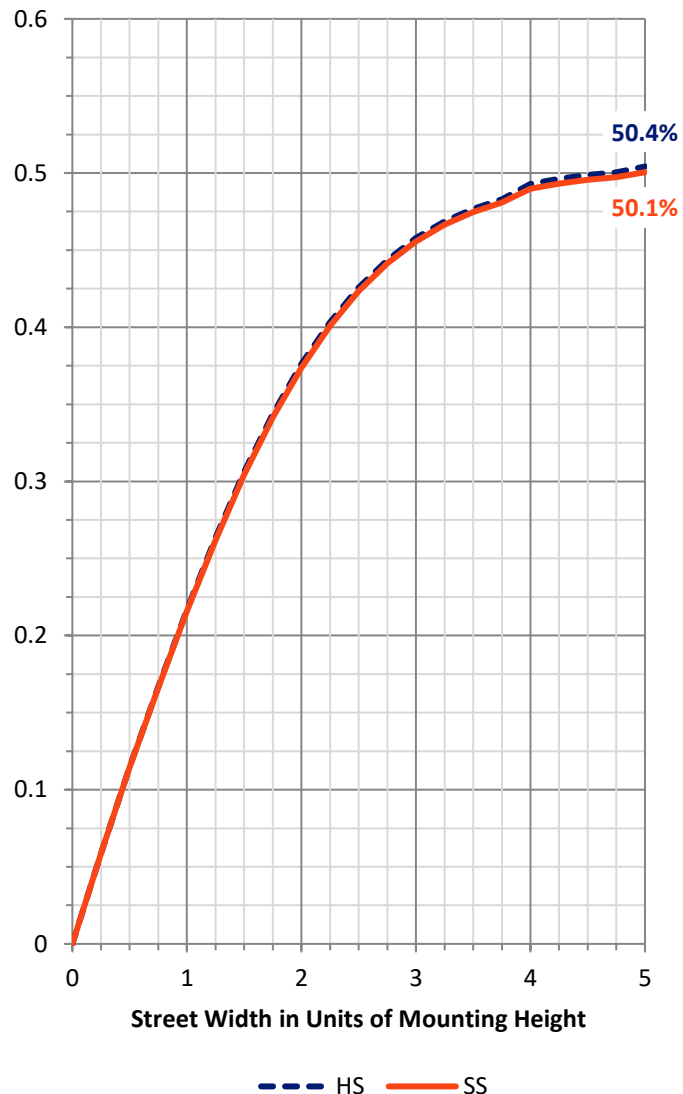
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	27129.0	0.0	27129.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	27129.0	0.0	27129.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	54258.0	0.0	54258.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	416.8	0.8
10°-20°	1217.4	2.2
20°-30°	2075.7	3.8
30°-40°	3243.3	6.0
40°-50°	5496.6	10.1
50°-60°	10023.4	18.5
60°-70°	17256.0	31.8
70°-80°	13525.9	24.9
80°-90°	1002.9	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°	54258.0	100.0
0°-180°	54258.0	100.0

**Coefficient of Utilization**



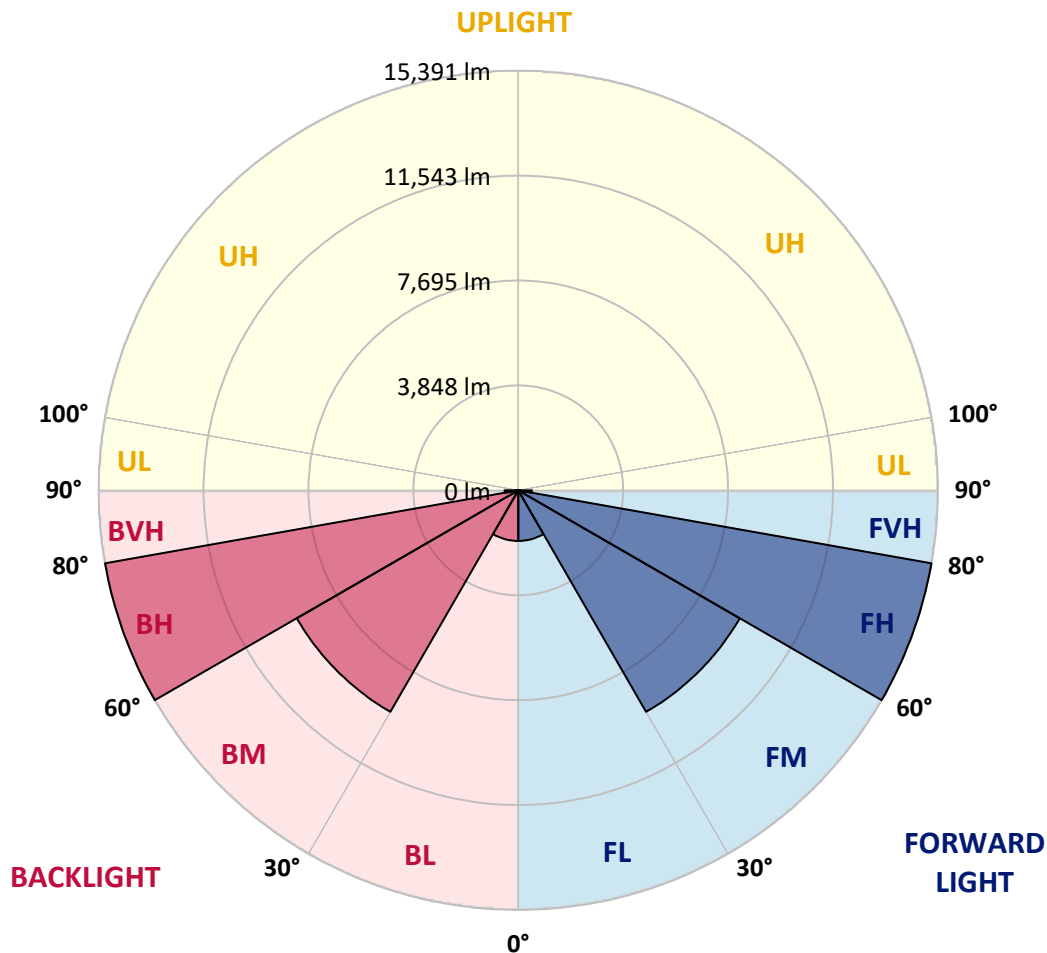
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1854.9	3.4			
FM (30°-60°)	9381.6	17.3			
FH (60°-80°)	15391.0	28.4			G5
FVH (80°-90°)	501.5	0.9			G4/750
BL (0°-30°)	1854.9	3.4	B3/2500		
BM (30°-60°)	9381.6	17.3	B5		
BH (60°-80°)	15391.0	28.4	B5		G5
BVH (80°-90°)	501.5	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°	4465.4	4465.4	4465.4	4465.4	4465.4	4465.4	4465.4	4465.4	4465.4	4465.4	4465.4
2.5°	4445.7	4451.1	4445.7	4449.3	4440.3	4443.9	4443.9	4443.9	4442.1	4443.9	4440.3
5°	4406.2	4409.8	4402.6	4406.2	4400.8	4406.2	4408.0	4406.2	4402.6	4404.4	4397.2
7.5°	4347.0	4350.6	4345.2	4350.6	4343.4	4352.4	4350.6	4345.2	4339.8	4339.8	4332.6
10°	4314.7	4316.5	4302.1	4296.7	4280.6	4284.2	4289.6	4294.9	4300.3	4311.1	4309.3
12.5°	4316.5	4316.5	4294.9	4271.6	4248.3	4253.7	4262.6	4282.4	4303.9	4323.7	4325.4
15°	4334.4	4332.6	4300.3	4262.6	4246.5	4262.6	4268.0	4280.6	4314.7	4348.8	4350.6
17.5°	4347.0	4347.0	4296.7	4253.7	4251.9	4277.0	4275.2	4280.6	4318.3	4368.5	4370.3
20°	4370.3	4370.3	4305.7	4259.0	4259.0	4286.0	4287.8	4296.7	4334.4	4390.1	4399.0
22.5°	4422.4	4424.2	4356.0	4318.3	4321.9	4338.0	4343.4	4357.8	4391.9	4452.9	4463.6
25°	4496.0	4499.5	4429.5	4408.0	4420.6	4451.1	4447.5	4458.3	4496.0	4555.2	4565.9
27.5°	4598.3	4589.3	4524.7	4515.7	4528.3	4549.8	4548.0	4549.8	4580.3	4634.2	4646.7
30°	4731.1	4727.5	4680.8	4686.2	4680.8	4673.6	4675.4	4689.8	4705.9	4749.0	4761.6
32.5°	4860.3	4863.9	4835.2	4862.1	4901.6	4928.5	4887.2	4847.7	4829.8	4853.1	4863.9
35°	5093.6	5102.6	5057.7	5039.8	5093.6	5172.6	5055.9	4991.3	5027.2	5057.7	5066.7
37.5°	5490.3	5495.7	5420.3	5348.5	5309.0	5384.4	5267.7	5273.1	5398.7	5456.2	5454.4
40°	5942.6	5944.3	5894.1	5831.3	5763.1	5781.0	5734.4	5748.7	5831.3	5883.3	5897.7
42.5°	6481.0	6475.6	6396.6	6306.9	6287.2	6305.1	6226.1	6215.4	6310.5	6403.8	6405.6
45°	7179.2	7166.6	7064.3	6965.6	6870.5	6831.0	6811.2	6863.3	6994.3	7080.5	7082.2
47.5°	7931.2	7897.1	7843.2	7764.3	7681.7	7642.2	7609.9	7635.0	7730.2	7764.3	7767.9
50°	8704.7	8711.9	8722.7	8692.2	8661.7	8649.1	8564.7	8516.3	8545.0	8482.2	8473.2
52.5°	9621.9	9636.2	9740.3	9828.3	9880.3	9907.2	9747.5	9580.6	9487.3	9365.2	9329.3
55°	10704.1	10727.5	10880.0	11124.1	11375.4	11508.2	11219.2	10906.9	10618.0	10390.0	10316.5
57.5°	11910.2	11951.5	12161.5	12629.9	13145.1	13459.1	12971.0	12403.8	11845.6	11517.2	11459.7
60°	13324.5	13364.0	13654.8	14326.0	15160.6	15632.6	14893.2	13965.3	13270.7	12956.6	12850.7
62.5°	15008.0	15011.6	15368.8	16153.1	17255.1	17912.0	16910.5	15670.3	14954.2	14575.5	14473.2
65°	16819.0	16828.0	17197.7	18044.8	19184.5	19898.9	18768.1	17475.9	16600.0	16041.8	15962.9
67.5°	18098.7	18136.4	18525.8	19545.3	20611.4	21255.7	20085.5	18624.5	17612.3	16946.4	16880.0
70°	17894.1	18041.2	18498.9	19688.9	21171.4	22090.3	20299.1	18488.1	17152.8	16366.7	16311.1
72.5°	15605.7	15887.5	16497.7	18059.2	20430.1	21695.4	19134.3	16558.7	15047.5	14378.1	14277.6
75°	10627.0	11084.6	12005.4	14257.8	17454.3	18784.3	16108.3	13202.5	11781.0	10854.9	10786.7
77.5°	4738.2	4842.3	6009.0	8602.4	12044.8	13489.7	11703.8	8636.5	6482.8	5170.8	4894.4
80°	1321.0	1337.1	1784.0	3203.7	6028.7	7925.8	6472.0	3365.2	1891.7	1333.5	1256.4
82.5°	420.0	455.9	556.4	831.0	2026.3	3616.5	2080.2	897.4	638.9	509.7	459.5
85°	204.6	202.8	281.8	337.4	516.9	800.5	551.0	416.4	364.3	242.3	219.0
87.5°	86.1	87.9	131.0	118.5	150.8	129.2	177.7	186.7	195.6	107.7	93.3
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)