

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: P316134

Luminaire Tested: **GAN-SA0C-730-U-5WQ**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P316134  
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-SA0C-730-U-5WQ  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(10) 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: 67156 lumens  
Efficiency: N/A  
Efficacy: 120.4 lumens/watt  
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G5

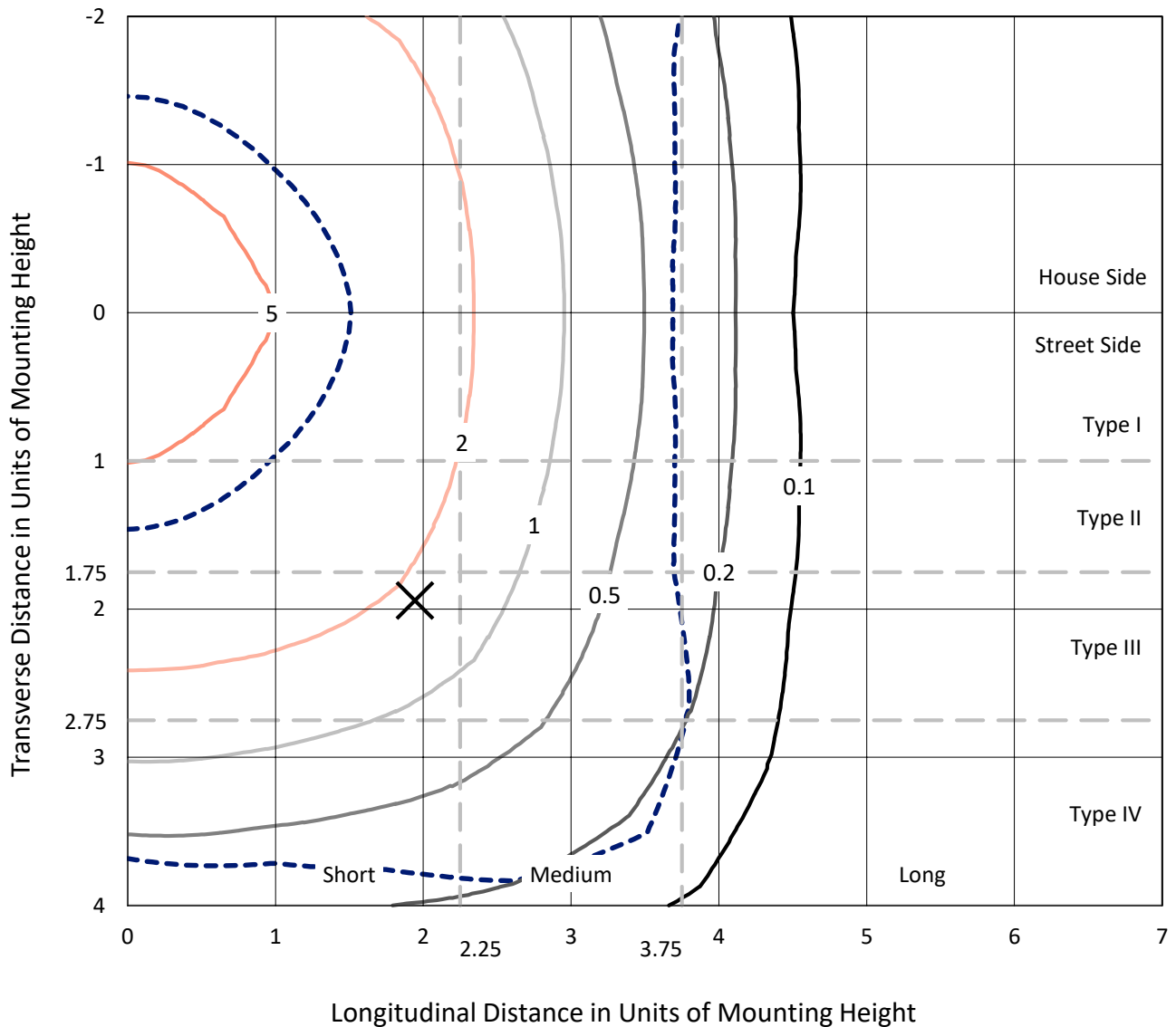
Input Watts (W): 558  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

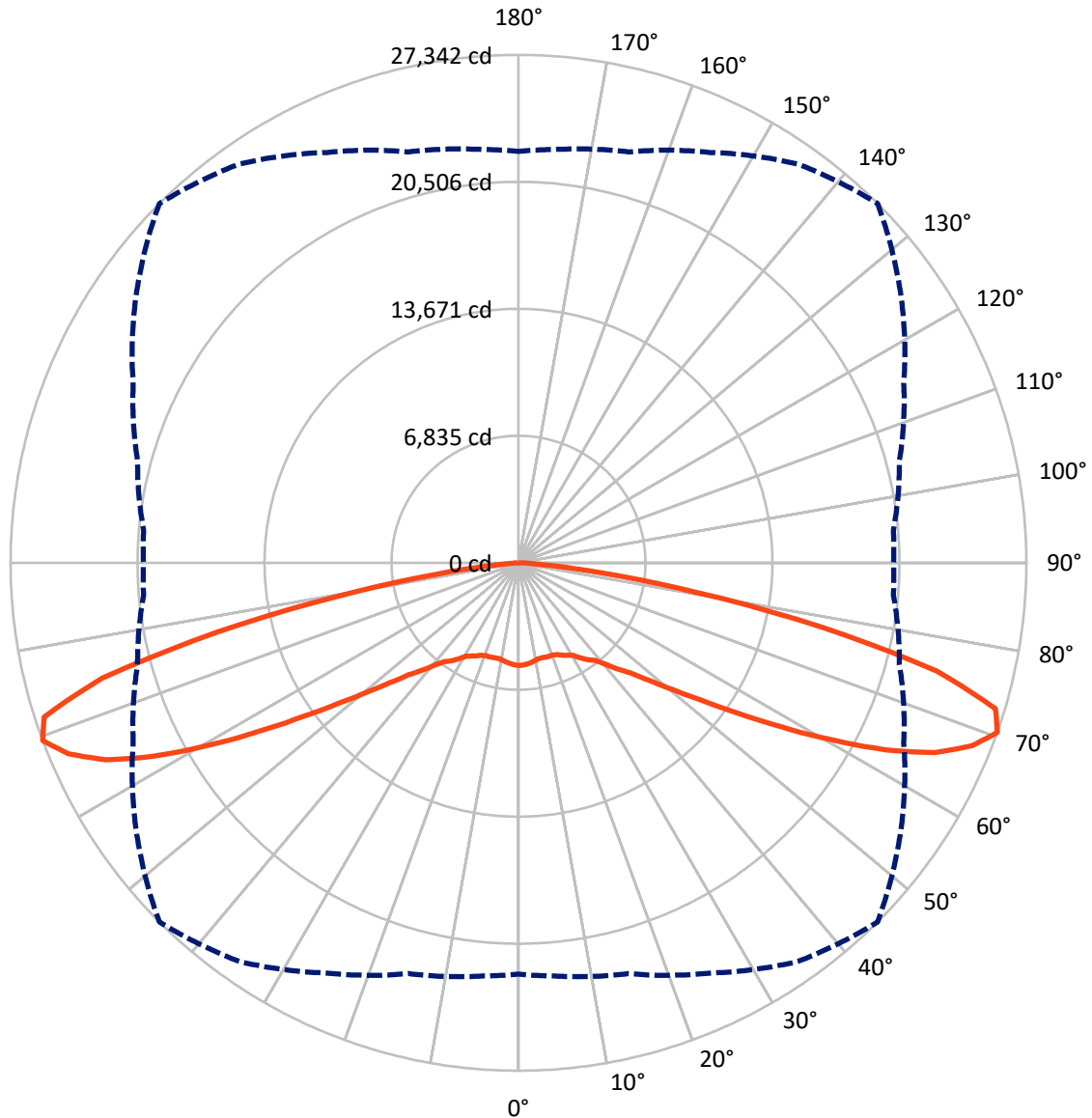
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.8 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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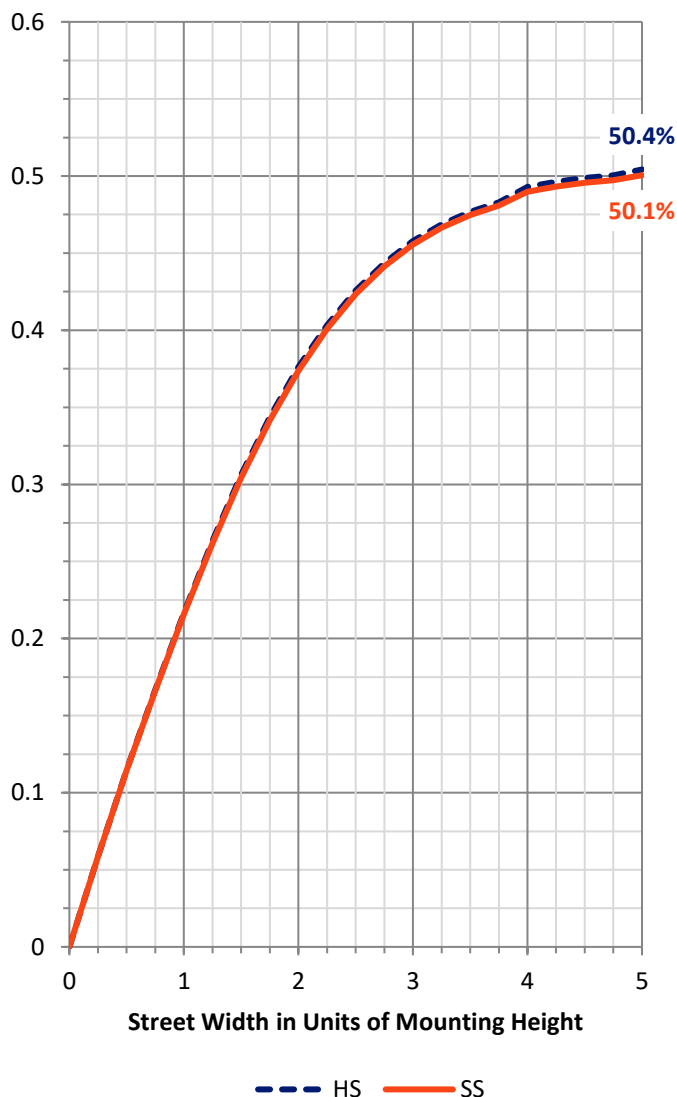
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	33578.0	0.0	33578.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	33578.0	0.0	33578.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	67156.0	0.0	67156.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	515.9	0.8
10°-20°	1506.8	2.2
20°-30°	2569.1	3.8
30°-40°	4014.2	6.0
40°-50°	6803.2	10.1
50°-60°	12406.2	18.5
60°-70°	21358.1	31.8
70°-80°	16741.3	24.9
80°-90°	1241.3	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°	67156.0	100.0
0°-180°	67156.0	100.0

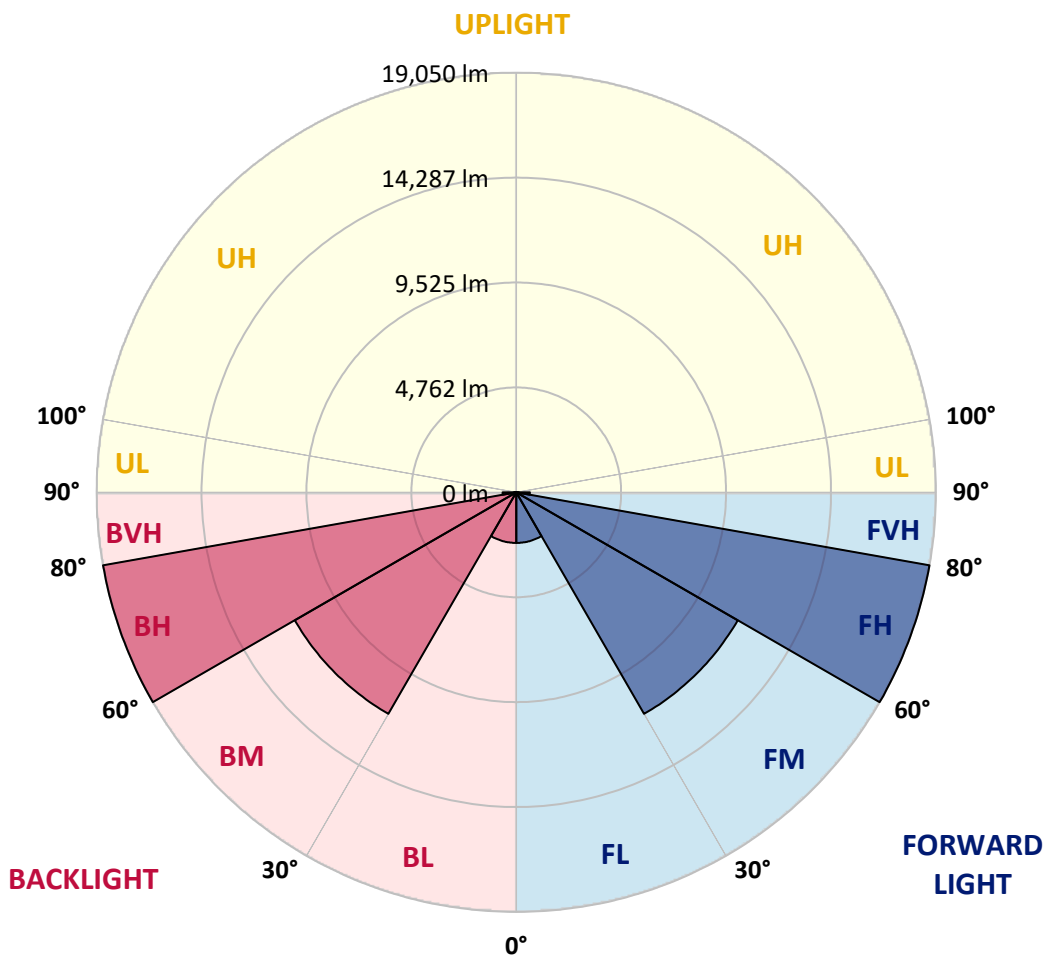


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2295.9	3.4			
FM (30°-60°)	11611.8	17.3			
FH (60°-80°)	19049.7	28.4			G5
FVH (80°-90°)	620.7	0.9			G4/750
BL (0°-30°)	2295.9	3.4	B3/2500		
BM (30°-60°)	11611.8	17.3	B5		
BH (60°-80°)	19049.7	28.4	B5		G5
BVH (80°-90°)	620.7	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°	5526.9	5526.9	5526.9	5526.9	5526.9	5526.9	5526.9	5526.9	5526.9	5526.9	5526.9
2.5°	5502.5	5509.2	5502.5	5507.0	5495.8	5500.3	5500.3	5500.3	5498.1	5500.3	5495.8
5°	5453.6	5458.1	5449.2	5453.6	5447.0	5453.6	5455.9	5453.6	5449.2	5451.4	5442.5
7.5°	5380.3	5384.8	5378.1	5384.8	5375.9	5387.0	5384.8	5378.1	5371.4	5371.4	5362.6
10°	5340.3	5342.6	5324.8	5318.1	5298.1	5302.6	5309.2	5315.9	5322.6	5335.9	5333.7
12.5°	5342.6	5342.6	5315.9	5287.0	5258.2	5264.8	5275.9	5300.4	5327.0	5351.5	5353.7
15°	5364.8	5362.6	5322.6	5275.9	5255.9	5275.9	5282.6	5298.1	5340.3	5382.6	5384.8
17.5°	5380.3	5380.3	5318.1	5264.8	5262.6	5293.7	5291.5	5298.1	5344.8	5407.0	5409.2
20°	5409.2	5409.2	5329.2	5271.5	5271.5	5304.8	5307.0	5318.1	5364.8	5433.6	5444.8
22.5°	5473.6	5475.9	5391.4	5344.8	5349.2	5369.2	5375.9	5393.7	5435.9	5511.4	5524.7
25°	5564.7	5569.2	5482.5	5455.9	5471.4	5509.2	5504.7	5518.1	5564.7	5638.0	5651.3
27.5°	5691.3	5680.2	5600.3	5589.1	5604.7	5631.4	5629.1	5631.4	5669.1	5735.8	5751.3
30°	5855.7	5851.3	5793.5	5800.2	5793.5	5784.6	5786.9	5804.6	5824.6	5877.9	5893.5
32.5°	6015.7	6020.1	5984.6	6017.9	6066.8	6100.1	6049.0	6000.1	5977.9	6006.8	6020.1
35°	6304.5	6315.6	6260.0	6237.8	6304.5	6402.2	6257.8	6177.8	6222.3	6260.0	6271.1
37.5°	6795.4	6802.1	6708.8	6619.9	6571.0	6664.3	6519.9	6526.6	6682.1	6753.2	6751.0
40°	7355.2	7357.4	7295.2	7217.5	7133.1	7155.3	7097.5	7115.3	7217.5	7281.9	7299.7
42.5°	8021.6	8015.0	7917.2	7806.1	7781.7	7803.9	7706.2	7692.9	7810.6	7926.1	7928.3
45°	8885.8	8870.2	8743.6	8621.4	8503.7	8454.8	8430.4	8494.8	8657.0	8763.6	8765.8
47.5°	9816.6	9774.3	9707.7	9610.0	9507.8	9458.9	9418.9	9450.0	9567.8	9610.0	9614.4
50°	10774.0	10782.9	10796.2	10758.4	10720.7	10705.1	10600.7	10540.7	10576.3	10498.5	10487.4
52.5°	11909.2	11926.9	12055.8	12164.6	12229.0	12262.4	12064.7	11858.1	11742.5	11591.5	11547.1
55°	13248.7	13277.6	13466.4	13768.5	14079.5	14243.9	13886.2	13499.7	13142.1	12859.9	12768.8
57.5°	14741.5	14792.6	15052.5	15632.3	16269.8	16658.6	16054.4	15352.4	14661.5	14255.0	14183.9
60°	16492.0	16540.9	16900.7	17731.6	18764.5	19348.8	18433.5	17285.0	16425.3	16036.6	15905.5
62.5°	18575.7	18580.1	19022.2	19993.0	21356.9	22170.0	20930.4	19395.4	18509.1	18040.3	17913.7
65°	20817.1	20828.2	21285.9	22334.4	23745.0	24629.1	23229.6	21630.2	20546.1	19855.2	19757.5
67.5°	22401.0	22447.7	22929.7	24191.5	25511.0	26308.5	24860.2	23051.9	21799.0	20974.9	20892.7
70°	22147.8	22329.9	22896.4	24369.2	26204.1	27341.5	25124.5	22883.1	21230.3	20257.3	20188.5
72.5°	19315.4	19664.2	20419.5	22352.2	25286.7	26852.8	23682.8	20495.0	18624.6	17796.0	17671.6
75°	13153.2	13719.6	14859.2	17647.1	21603.5	23249.6	19937.4	16340.9	14581.5	13435.3	13350.9
77.5°	5864.6	5993.5	7437.4	10647.4	14908.1	16696.4	14486.0	10689.6	8023.8	6400.0	6057.9
80°	1635.0	1655.0	2208.1	3965.3	7461.8	9809.9	8010.5	4165.2	2341.4	1650.5	1555.0
82.5°	519.8	564.2	688.6	1028.5	2508.0	4476.2	2574.7	1110.7	790.8	630.9	568.7
85°	253.2	251.0	348.8	417.6	639.8	990.8	682.0	515.4	451.0	299.9	271.0
87.5°	106.6	108.9	162.2	146.6	186.6	159.9	219.9	231.0	242.1	133.3	115.5
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)