

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: P316808

Luminaire Tested: **GAN-SA4C-740-U-5NQ**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P316808  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-5)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GAN-SA4C-740-U-5NQ  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(4) 70 CRI, 4000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V  
NARROW OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 29431 lumens  
Efficiency: N/A  
Efficacy: 130.8 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G2

Input Watts (W): 225  
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

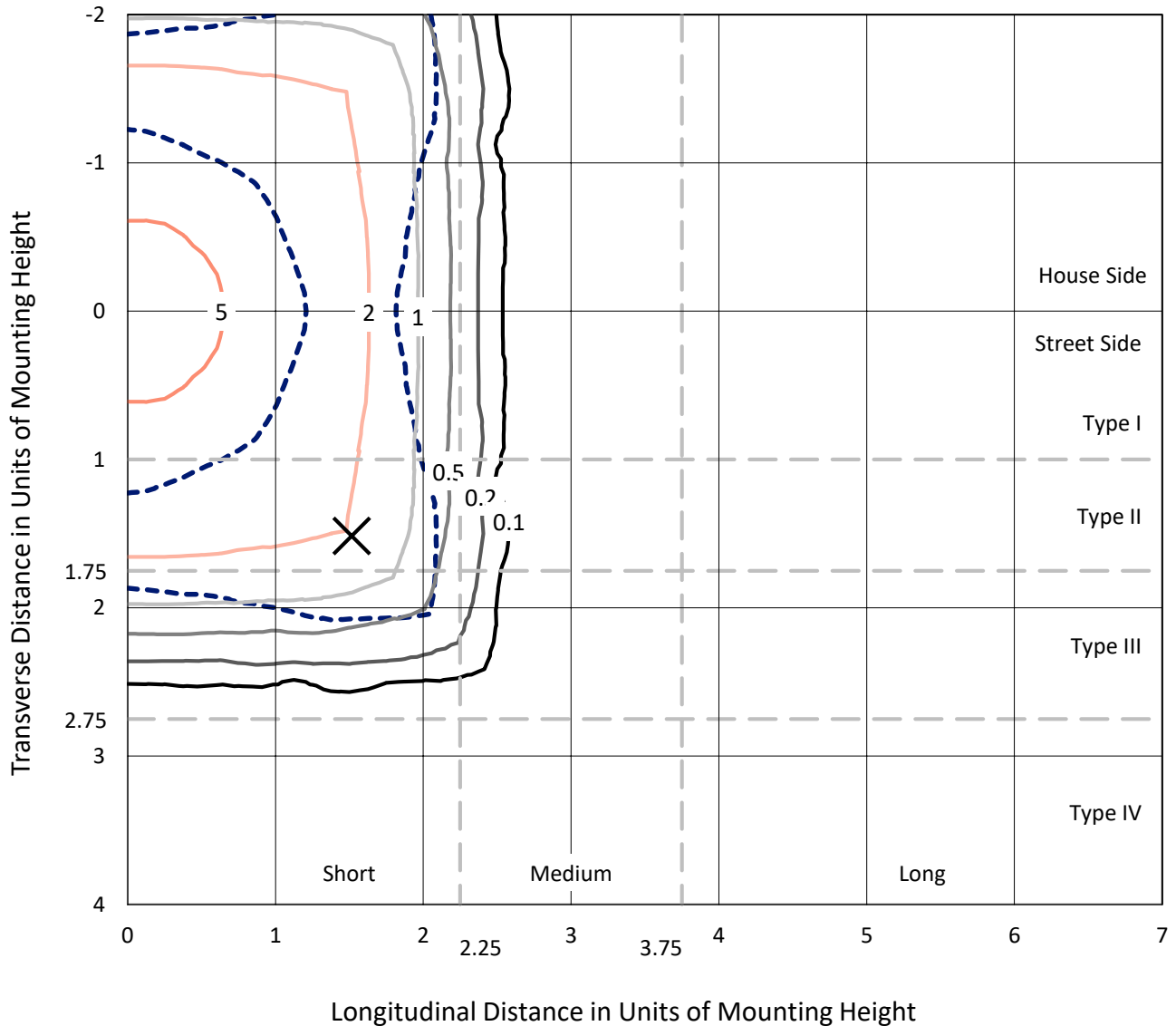




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### Iso-Footcandle Lines of Horizontal Illumination

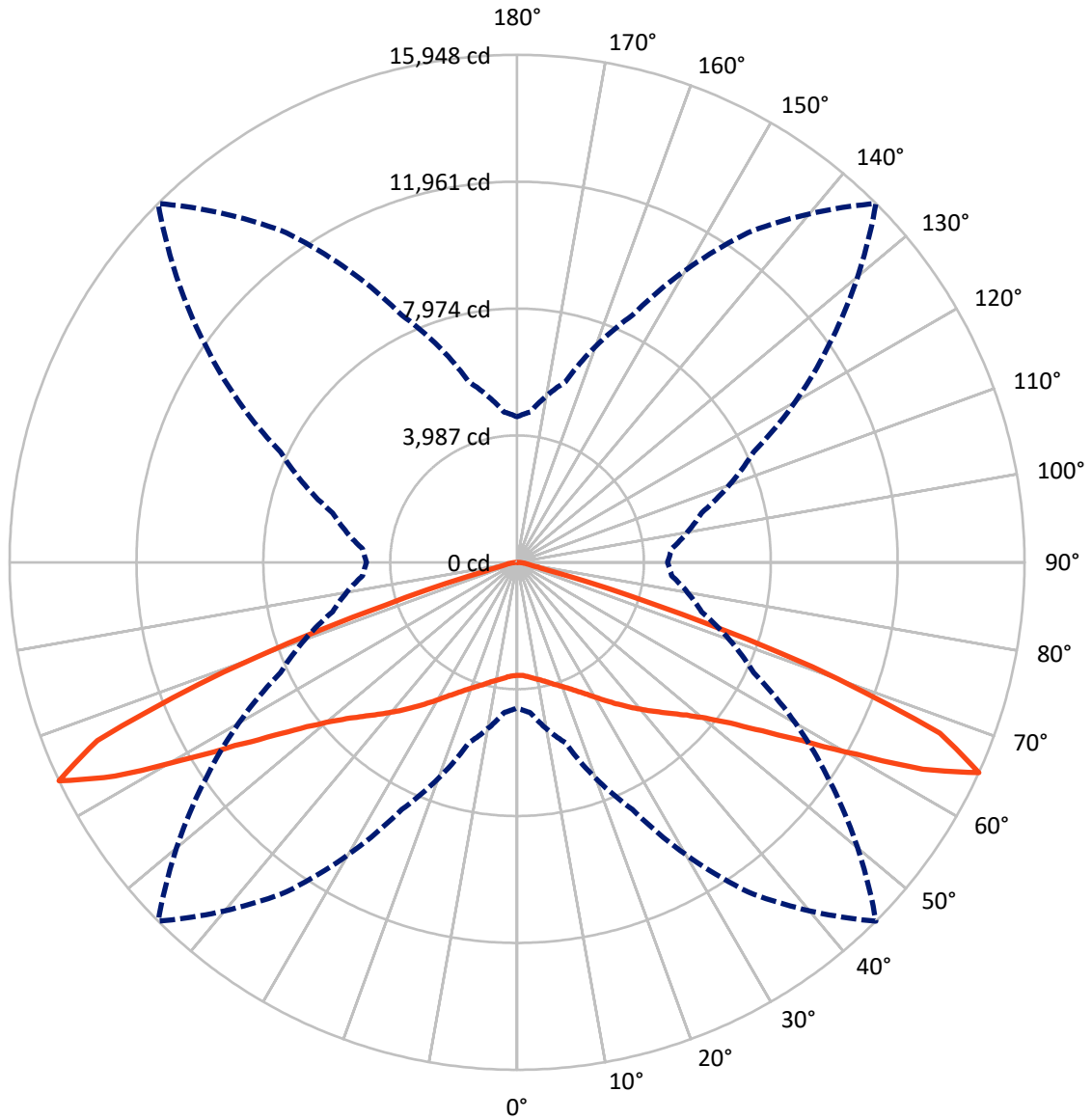
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.7 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral      - - - Horizontal Cone Through 65-Deg Vertical

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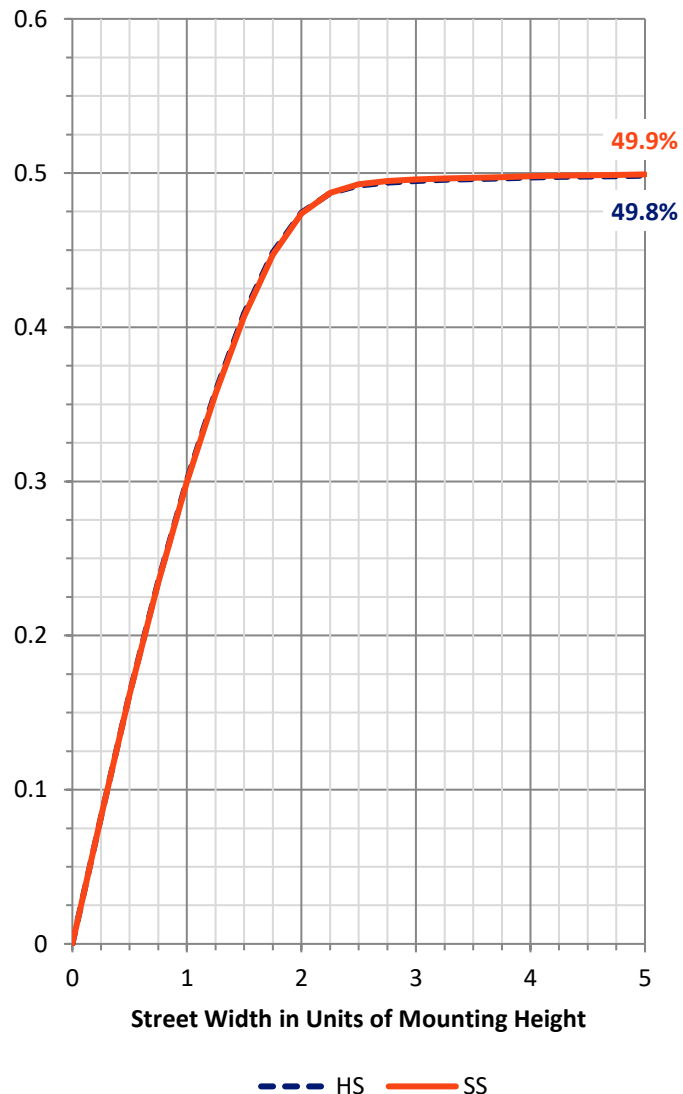
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	14715.5	0.0	14715.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	14715.5	0.0	14715.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	29431.0	0.0	29431.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	348.7	1.2
10°-20°	1120.9	3.8
20°-30°	2102.9	7.1
30°-40°	3477.8	11.8
40°-50°	5386.7	18.3
50°-60°	8261.7	28.1
60°-70°	7709.1	26.2
70°-80°	897.2	3.0
80°-90°	126.1	0.4
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°	29431.0	100.0
0°-180°	29431.0	100.0

**Coefficient of Utilization**



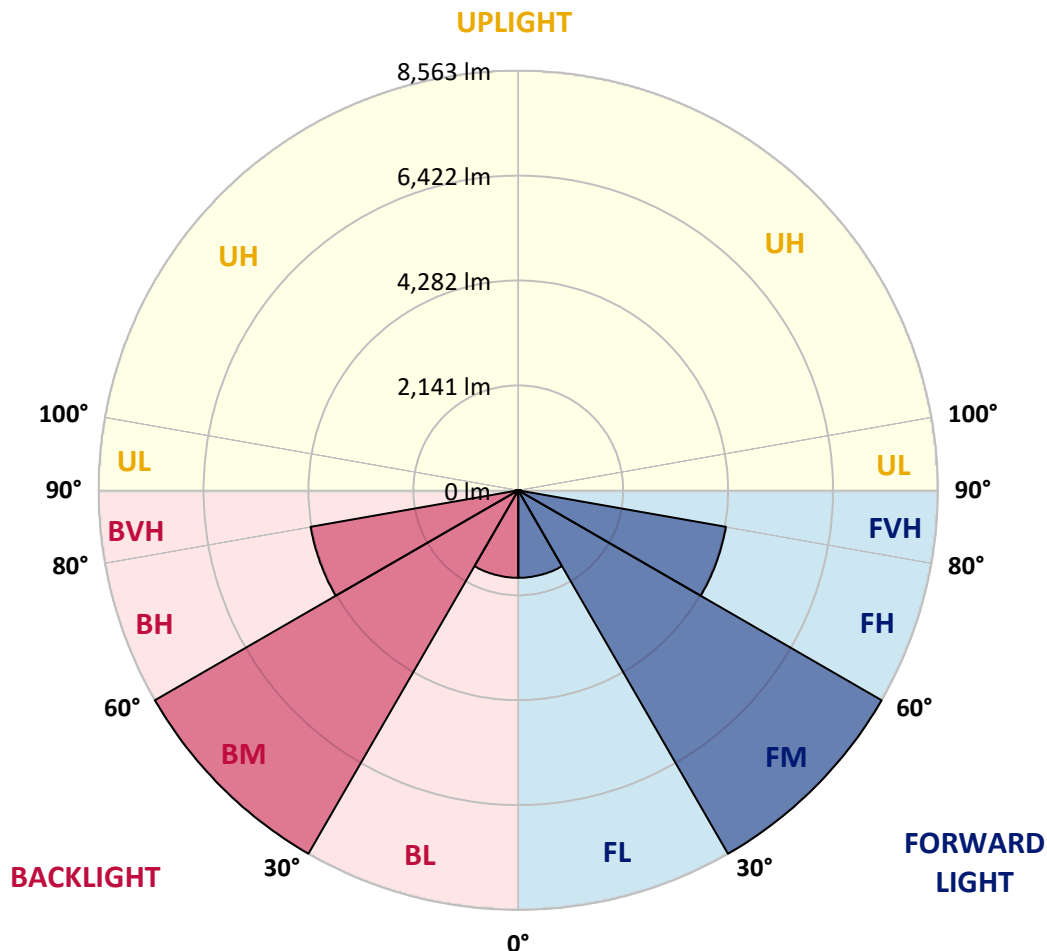
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1786.2	6.1			
FM (30°-60°)	8563.1	29.1			
FH (60°-80°)	4303.1	14.6			G2/5000
FVH (80°-90°)	63.0	0.2			G1/100
BL (0°-30°)	1786.2	6.1	B3/2500		
BM (30°-60°)	8563.1	29.1	B5		
BH (60°-80°)	4303.1	14.6	B4/5000		G2/5000
BVH (80°-90°)	63.0	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B5-U0-G2**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3554.2	3554.2	3554.2	3554.2	3554.2	3554.2	3554.2	3554.2	3554.2	3554.2	3554.2
2.5°	3565.9	3563.9	3565.9	3566.9	3561.0	3563.9	3563.0	3567.8	3569.8	3567.8	3567.8
5°	3606.9	3604.0	3607.9	3612.8	3605.0	3606.9	3604.0	3609.9	3611.8	3607.9	3610.8
7.5°	3663.6	3664.6	3668.5	3677.3	3672.4	3676.3	3670.4	3671.4	3670.4	3664.6	3665.5
10°	3725.1	3726.1	3732.9	3744.7	3746.6	3746.6	3742.7	3739.8	3735.9	3732.0	3732.9
12.5°	3799.4	3804.3	3809.2	3823.8	3823.8	3831.6	3829.7	3821.9	3815.0	3809.2	3809.2
15°	3900.0	3899.0	3904.9	3919.5	3926.4	3939.1	3939.1	3928.3	3919.5	3913.7	3911.7
17.5°	4005.5	4008.5	4012.4	4029.9	4040.7	4055.3	4057.3	4048.5	4042.6	4034.8	4029.9
20°	4128.6	4133.5	4149.1	4156.0	4165.7	4179.4	4184.3	4182.3	4176.5	4172.6	4173.6
22.5°	4272.2	4284.9	4294.7	4304.5	4316.2	4326.0	4330.8	4337.7	4331.8	4328.9	4326.9
25°	4446.1	4454.9	4474.5	4492.0	4499.9	4502.8	4508.7	4518.4	4517.4	4510.6	4510.6
27.5°	4643.5	4660.1	4684.5	4709.9	4709.9	4700.1	4719.7	4736.3	4730.4	4721.6	4709.9
30°	4882.8	4898.5	4926.8	4962.0	4944.4	4937.5	4963.9	4994.2	4985.4	4970.8	4968.8
32.5°	5140.7	5155.4	5192.5	5230.6	5208.2	5198.4	5226.7	5270.7	5255.0	5225.7	5208.2
35°	5420.2	5434.8	5487.6	5533.5	5495.4	5478.8	5502.2	5550.1	5522.7	5468.0	5454.3
37.5°	5724.0	5731.8	5800.2	5847.1	5820.7	5776.7	5806.0	5841.2	5817.8	5751.3	5725.0
40°	6039.5	6067.9	6147.0	6201.7	6155.8	6086.4	6135.3	6184.1	6149.0	6064.0	6019.0
42.5°	6407.9	6429.3	6534.9	6583.7	6509.5	6411.8	6478.2	6544.6	6509.5	6427.4	6388.3
45°	6790.8	6824.0	6950.1	6998.9	6891.4	6767.4	6848.5	6964.7	6961.8	6843.6	6802.5
47.5°	7208.0	7241.2	7391.6	7456.1	7339.9	7173.8	7288.1	7452.2	7440.5	7310.6	7277.3
50°	7689.6	7724.8	7912.4	7993.5	7885.0	7691.6	7863.5	8008.1	7986.6	7826.4	7829.3
52.5°	8294.4	8292.4	8525.9	8666.6	8555.2	8384.2	8542.5	8683.2	8594.3	8372.5	8365.7
55°	8823.9	8856.1	9145.3	9412.0	9405.2	9339.7	9403.2	9409.1	9155.1	8860.0	8823.9
57.5°	9171.7	9233.2	9640.6	10123.2	10484.7	10571.6	10448.5	10075.3	9480.4	9008.5	8950.9
60°	8957.7	9051.5	9691.4	10675.2	11740.1	12251.0	11556.4	10398.7	9227.3	8569.9	8491.7
62.5°	7513.8	7672.0	8608.9	10408.5	12820.6	14314.4	12359.5	9880.0	8221.1	7315.4	7181.6
65°	4576.1	4743.1	5872.5	8566.9	12645.7	15947.8	11993.1	8200.6	6000.5	4874.0	4729.4
67.5°	1525.0	1573.9	2239.2	4735.3	9938.6	14329.0	9955.2	4909.2	2611.4	1731.2	1680.4
70°	596.9	601.8	710.2	1372.6	4693.3	9841.9	5178.8	1397.0	742.5	587.2	599.9
72.5°	438.7	440.6	470.9	573.5	1223.1	4335.7	1267.1	576.4	458.2	411.3	411.3
75°	352.7	352.7	374.2	418.1	548.1	994.5	555.9	413.3	358.5	328.3	324.3
77.5°	278.4	284.3	300.9	329.2	371.2	478.7	384.9	327.3	289.2	260.8	255.0
80°	207.1	213.0	240.3	254.0	266.7	332.2	284.3	256.0	228.6	195.4	189.5
82.5°	135.8	141.7	175.9	183.7	180.7	216.9	191.5	188.6	168.0	126.0	120.2
85°	88.9	90.9	117.2	122.1	112.3	98.7	122.1	129.0	117.2	82.1	79.1
87.5°	42.0	42.0	59.6	55.7	50.8	41.0	55.7	65.5	66.4	40.1	39.1
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)