

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: P316818

Luminaire Tested: **GAN-SA4D-740-U-5NQ**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P316818  
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-SA4D-740-U-5NQ  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(4) 70 CRI, 4000K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V  
NARROW OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 32287 lumens  
Efficiency: N/A  
Efficacy: 125.1 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G2

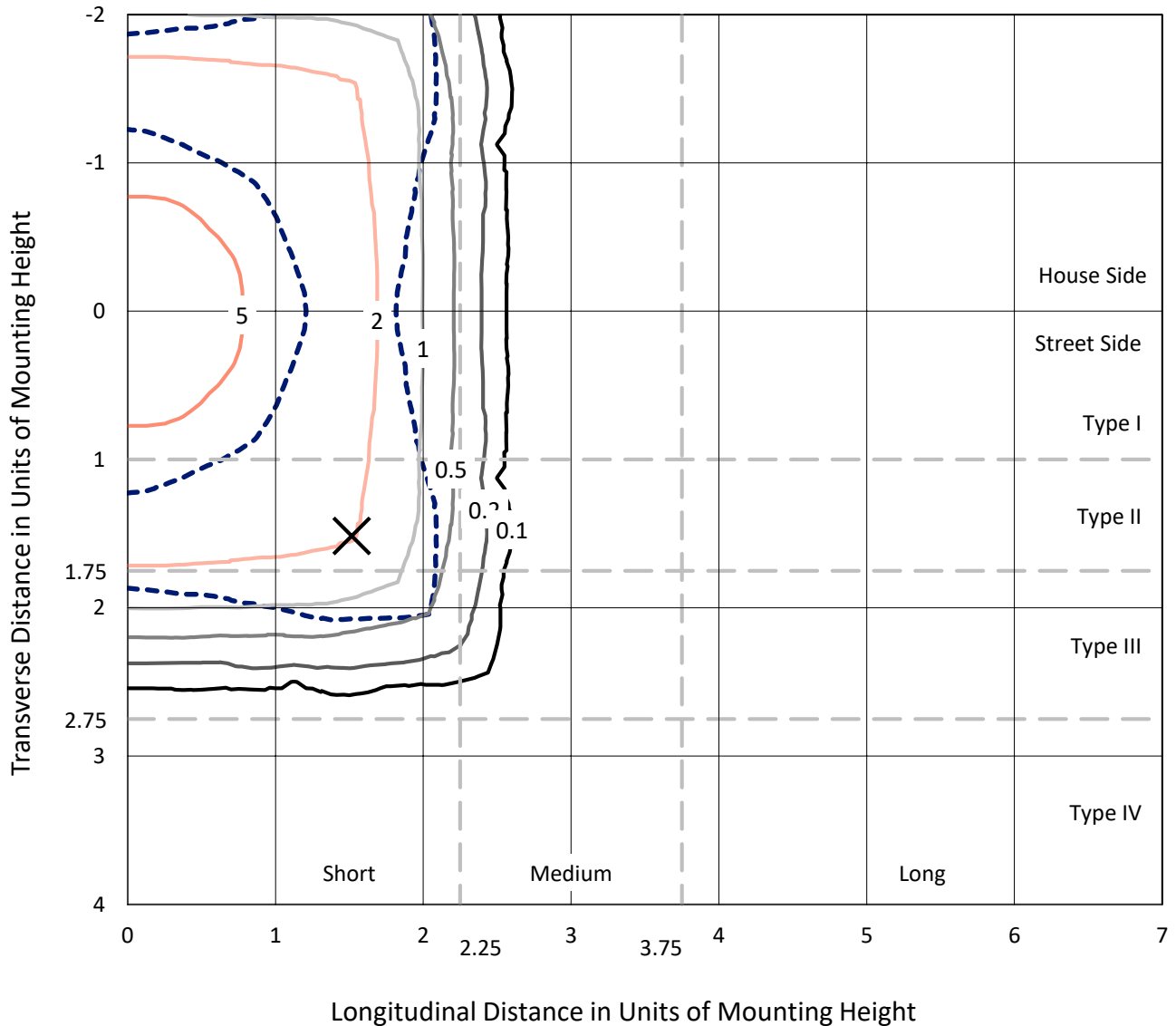
Input Watts (W): 258  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

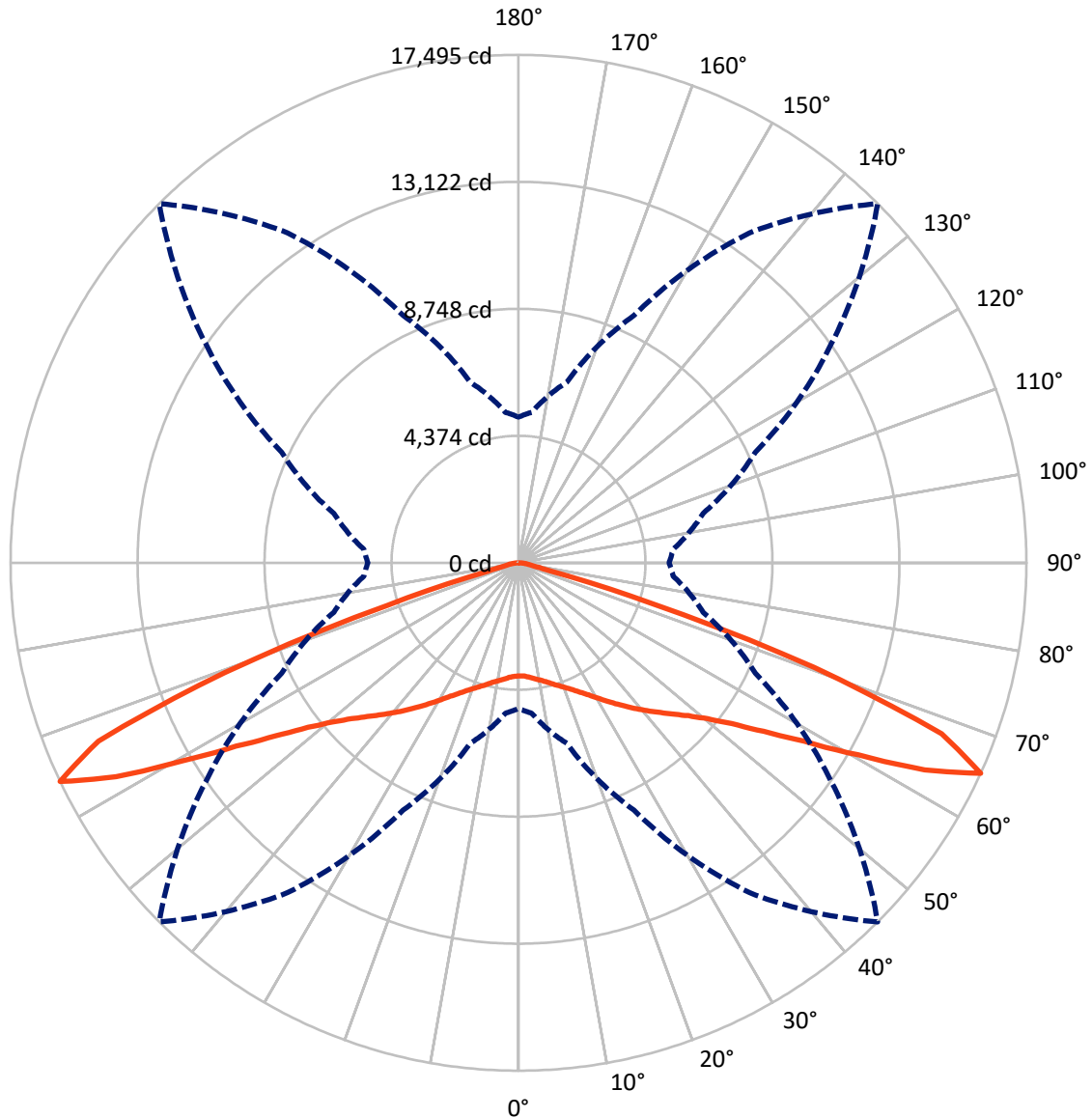
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.3 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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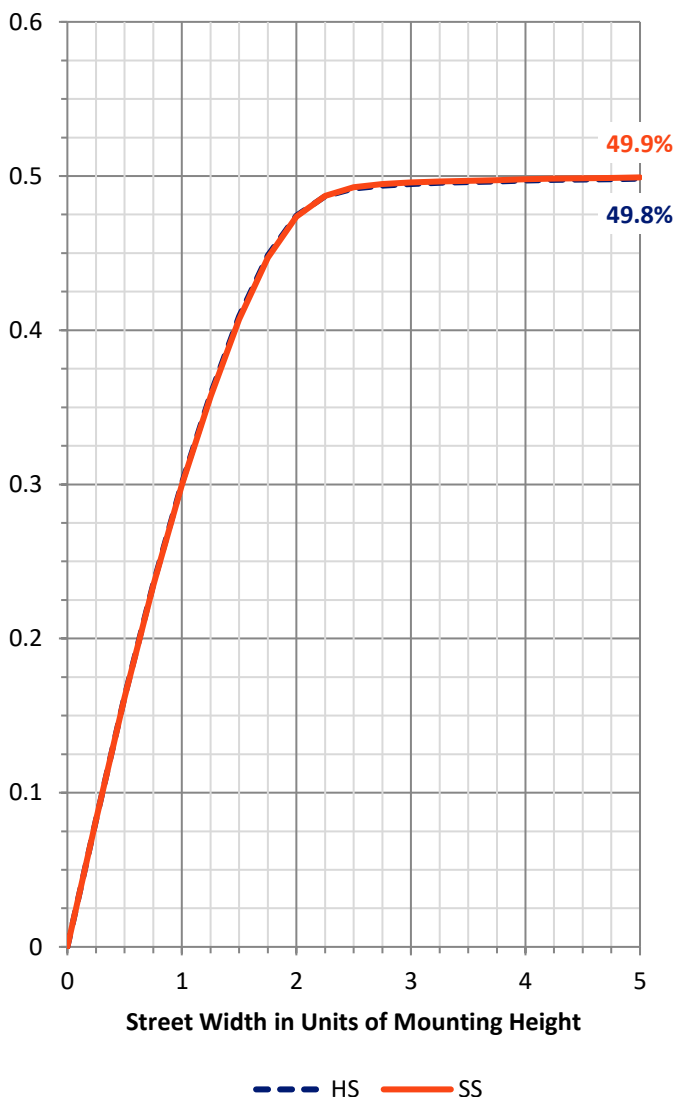
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	16143.5	0.0	16143.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	16143.5	0.0	16143.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	32287.0	0.0	32287.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	382.5	1.2
10°-20°	1229.6	3.8
20°-30°	2307.0	7.1
30°-40°	3815.3	11.8
40°-50°	5909.4	18.3
50°-60°	9063.4	28.1
60°-70°	8457.2	26.2
70°-80°	984.3	3.0
80°-90°	138.3	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°	32287.0	100.0
0°-180°	32287.0	100.0

**Coefficient of Utilization**

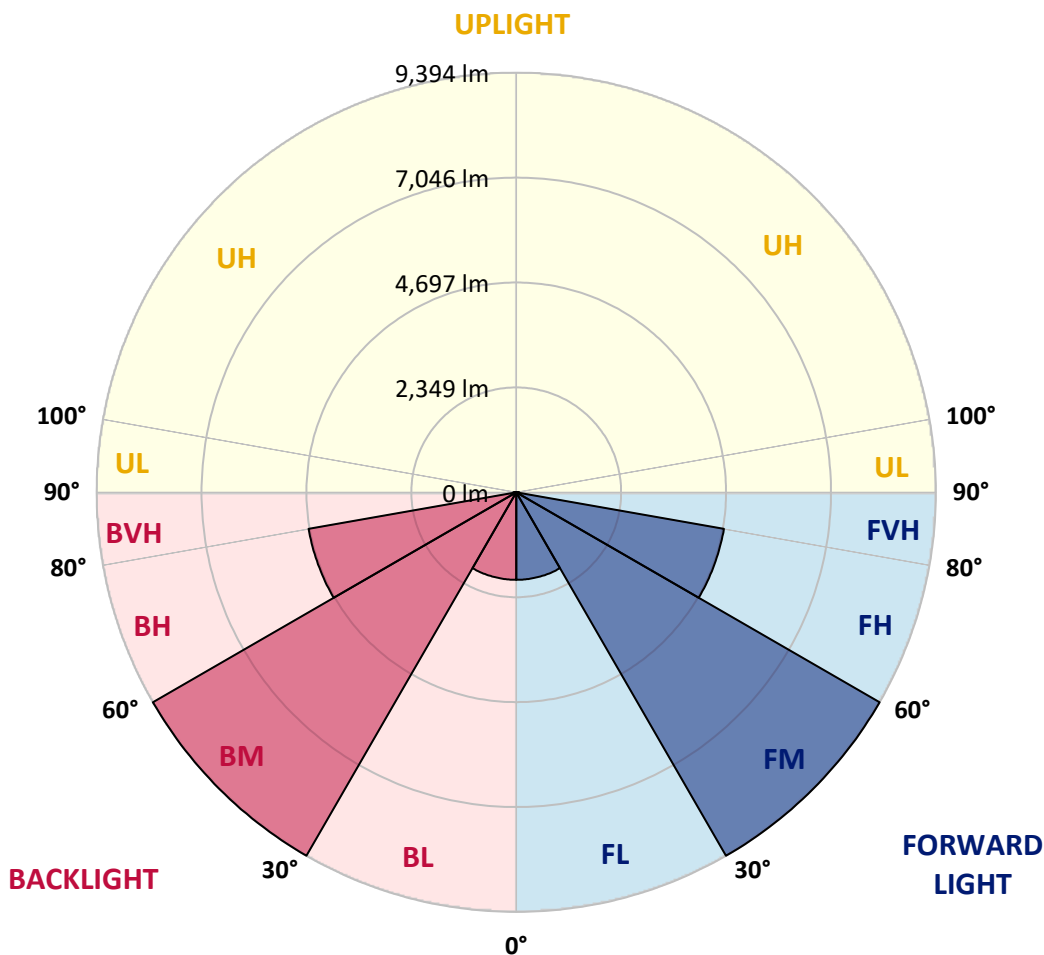


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1959.6	6.1			
FM (30°-60°)	9394.0	29.1			
FH (60°-80°)	4720.7	14.6			G2/5000
FVH (80°-90°)	69.2	0.2			G1/100
BL (0°-30°)	1959.6	6.1	B3/2500		
BM (30°-60°)	9394.0	29.1	B5		
BH (60°-80°)	4720.7	14.6	B4/5000		G2/5000
BVH (80°-90°)	69.2	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°	3899.1	3899.1	3899.1	3899.1	3899.1	3899.1	3899.1	3899.1	3899.1	3899.1	3899.1
2.5°	3911.9	3909.8	3911.9	3913.0	3906.6	3909.8	3908.7	3914.1	3916.2	3914.1	3914.1
5°	3956.9	3953.7	3958.0	3963.4	3954.8	3956.9	3953.7	3960.2	3962.3	3958.0	3961.2
7.5°	4019.1	4020.2	4024.5	4034.1	4028.7	4033.0	4026.6	4027.7	4026.6	4020.2	4021.2
10°	4086.6	4087.7	4095.2	4108.1	4110.2	4110.2	4105.9	4102.7	4098.4	4094.1	4095.2
12.5°	4168.1	4173.4	4178.8	4194.9	4194.9	4203.4	4201.3	4192.7	4185.2	4178.8	4178.8
15°	4278.5	4277.4	4283.8	4299.9	4307.4	4321.3	4321.3	4309.5	4299.9	4293.5	4291.3
17.5°	4394.2	4397.4	4401.7	4421.0	4432.8	4448.9	4451.0	4441.4	4434.9	4426.4	4421.0
20°	4529.3	4534.6	4551.8	4559.3	4570.0	4585.0	4590.3	4588.2	4581.8	4577.5	4578.6
22.5°	4686.8	4700.7	4711.5	4722.2	4735.0	4745.8	4751.1	4758.6	4752.2	4749.0	4746.8
25°	4877.6	4887.2	4908.7	4928.0	4936.5	4939.7	4946.2	4956.9	4955.8	4948.3	4948.3
27.5°	5094.1	5112.3	5139.1	5167.0	5167.0	5156.2	5177.7	5195.9	5189.5	5179.8	5167.0
30°	5356.7	5373.8	5404.9	5443.5	5424.2	5416.7	5445.6	5478.8	5469.2	5453.1	5451.0
32.5°	5639.6	5655.7	5696.4	5738.2	5713.6	5702.8	5733.9	5782.1	5765.0	5732.8	5713.6
35°	5946.1	5962.2	6020.1	6070.5	6028.7	6010.4	6036.2	6088.7	6058.7	5998.6	5983.6
37.5°	6279.4	6288.0	6363.0	6414.5	6385.5	6337.3	6369.5	6408.1	6382.3	6309.5	6280.5
40°	6625.6	6656.7	6743.5	6803.5	6753.2	6677.1	6730.7	6784.2	6745.7	6652.4	6603.1
42.5°	7029.7	7053.3	7169.0	7222.6	7141.1	7034.0	7106.8	7179.7	7141.1	7051.1	7008.2
45°	7449.8	7486.2	7624.5	7678.1	7560.2	7424.1	7513.0	7640.6	7637.4	7507.7	7462.7
47.5°	7907.4	7943.9	8108.9	8179.7	8052.1	7869.9	7995.3	8175.4	8162.5	8020.0	7983.5
50°	8435.8	8474.4	8680.2	8769.1	8650.2	8438.0	8626.6	8785.2	8761.6	8585.9	8589.1
52.5°	9099.2	9097.1	9353.3	9507.6	9385.4	9197.8	9371.5	9525.8	9428.3	9185.0	9177.5
55°	9680.1	9715.5	10032.7	10325.3	10317.8	10246.0	10315.7	10322.1	10043.5	9719.8	9680.1
57.5°	10061.7	10129.2	10576.1	11105.6	11502.1	11597.5	11462.5	11053.1	10400.4	9882.7	9819.5
60°	9827.0	9929.9	10631.9	11711.1	12879.3	13439.9	12677.9	11407.8	10122.8	9401.5	9315.7
62.5°	8242.9	8416.5	9444.4	11418.5	14064.7	15703.4	13558.8	10838.7	9018.9	8025.3	7878.5
65°	5020.1	5203.4	6442.4	9398.3	13872.9	17495.4	13156.9	8996.4	6582.8	5347.0	5188.4
67.5°	1673.0	1726.6	2456.5	5194.8	10903.0	15719.5	10921.2	5385.6	2864.8	1899.2	1843.4
70°	654.8	660.2	779.2	1505.8	5148.7	10796.9	5681.4	1532.6	814.5	644.1	658.1
72.5°	481.2	483.4	516.6	629.1	1341.8	4756.5	1390.1	632.3	502.7	451.2	451.2
75°	386.9	386.9	410.5	458.7	601.3	1091.1	609.8	453.4	393.3	360.1	355.8
77.5°	305.5	311.9	330.1	361.2	407.3	525.2	422.3	359.0	317.2	286.2	279.7
80°	227.2	233.6	263.7	278.7	292.6	364.4	311.9	280.8	250.8	214.4	207.9
82.5°	149.0	155.4	192.9	201.5	198.3	237.9	210.1	206.8	184.3	138.3	131.8
85°	97.5	99.7	128.6	134.0	123.3	108.2	134.0	141.5	128.6	90.0	86.8
87.5°	46.1	46.1	65.4	61.1	55.7	45.0	61.1	71.8	72.9	43.9	42.9
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)