

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: P316819

Luminaire Tested: **GAN-SA5D-740-U-5NQ**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P316819  
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-SA5D-740-U-5NQ  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(5) 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: 40003 lumens  
Efficiency: N/A  
Efficacy: 125.0 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G3

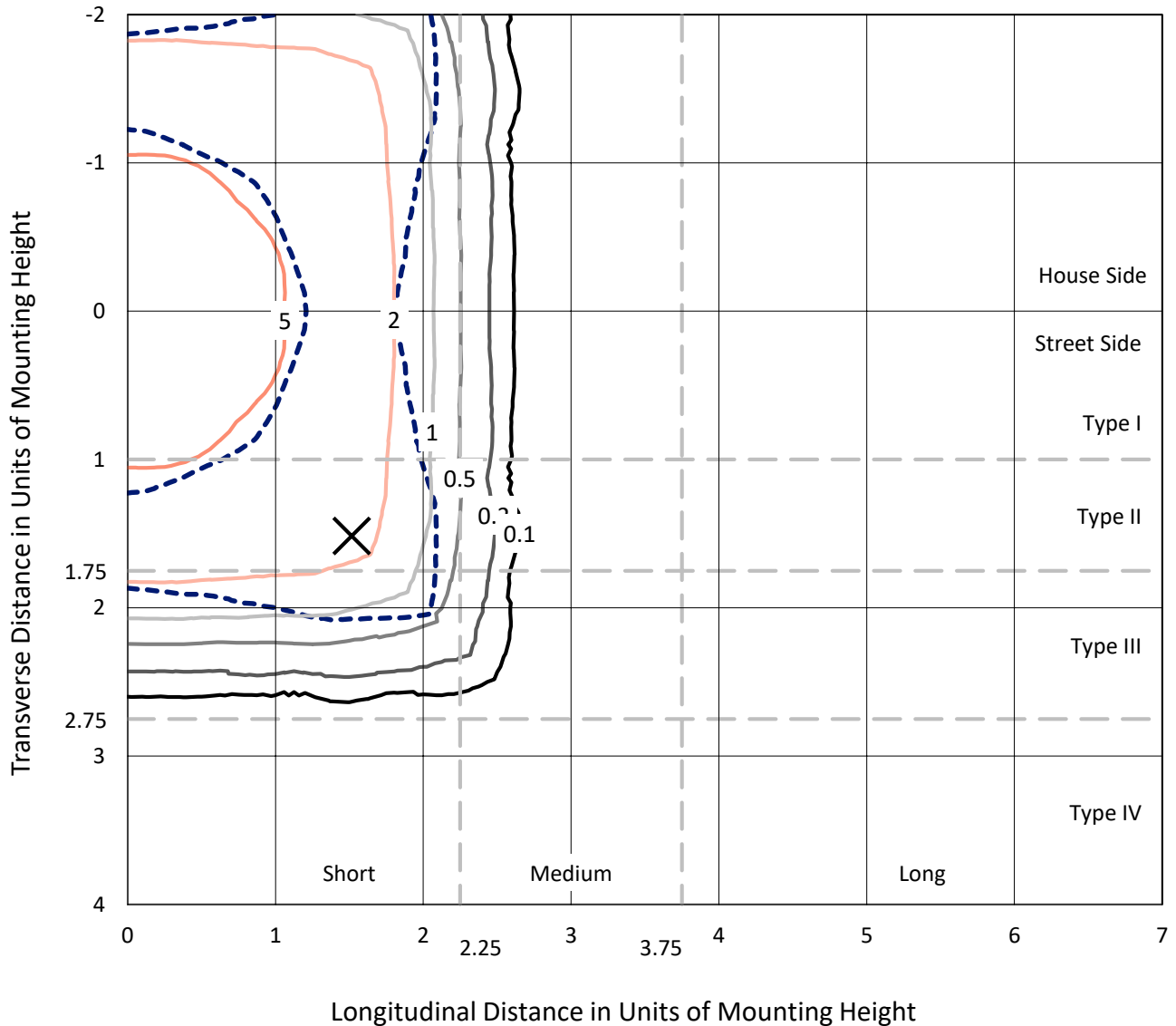
Input Watts (W): 320  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

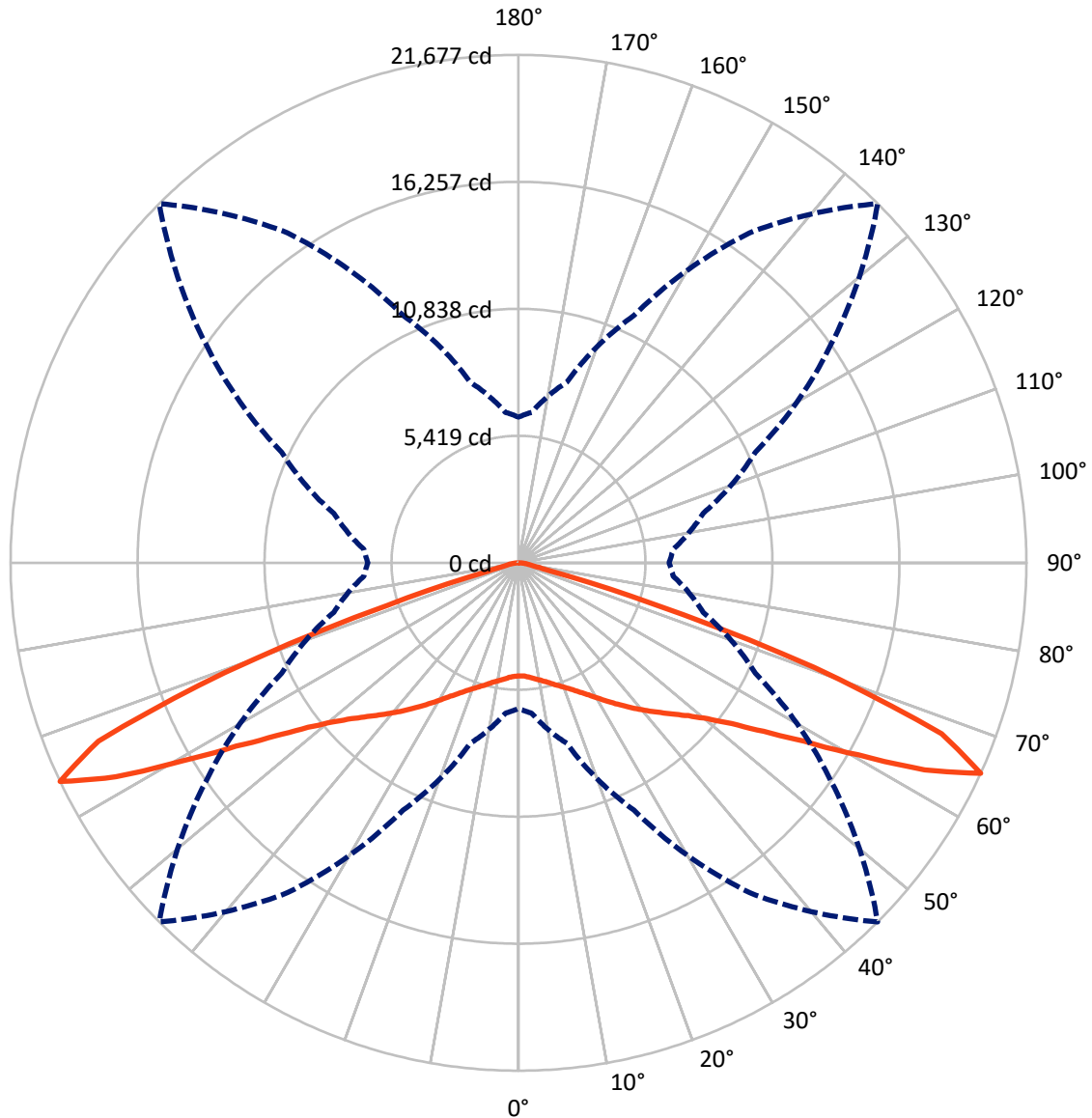
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.8 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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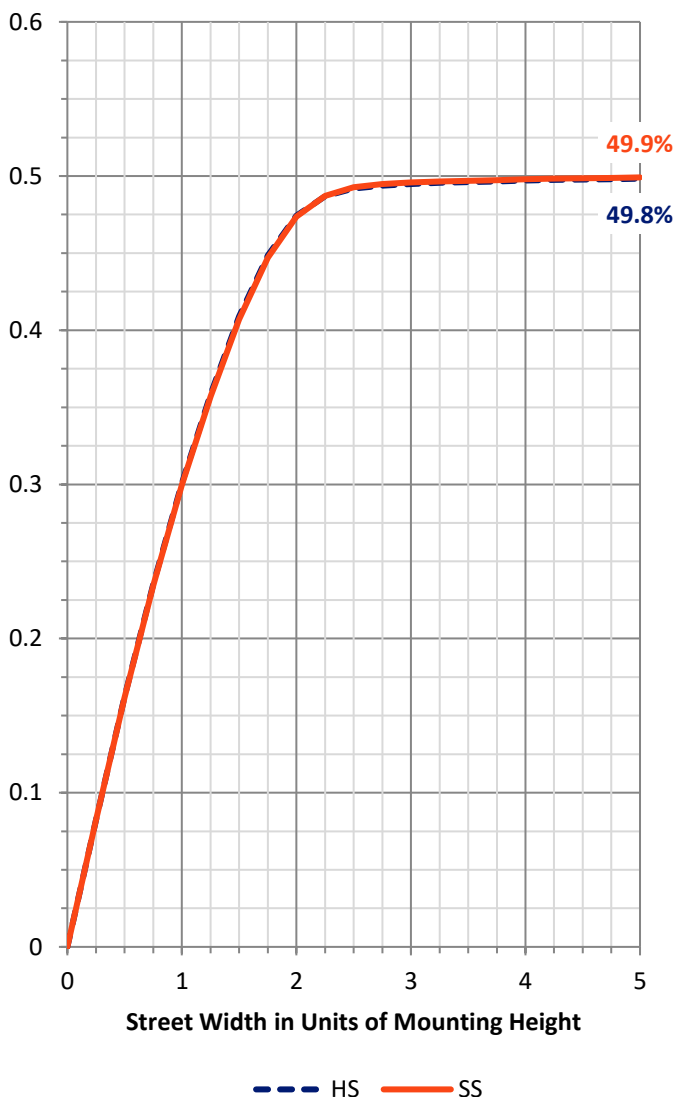
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	20001.5	0.0	20001.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	20001.5	0.0	20001.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	40003.0	0.0	40003.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	474.0	1.2
10°-20°	1523.5	3.8
20°-30°	2858.3	7.1
30°-40°	4727.1	11.8
40°-50°	7321.6	18.3
50°-60°	11229.3	28.1
60°-70°	10478.3	26.2
70°-80°	1219.5	3.0
80°-90°	171.4	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°	40003.0	100.0
0°-180°	40003.0	100.0

**Coefficient of Utilization**

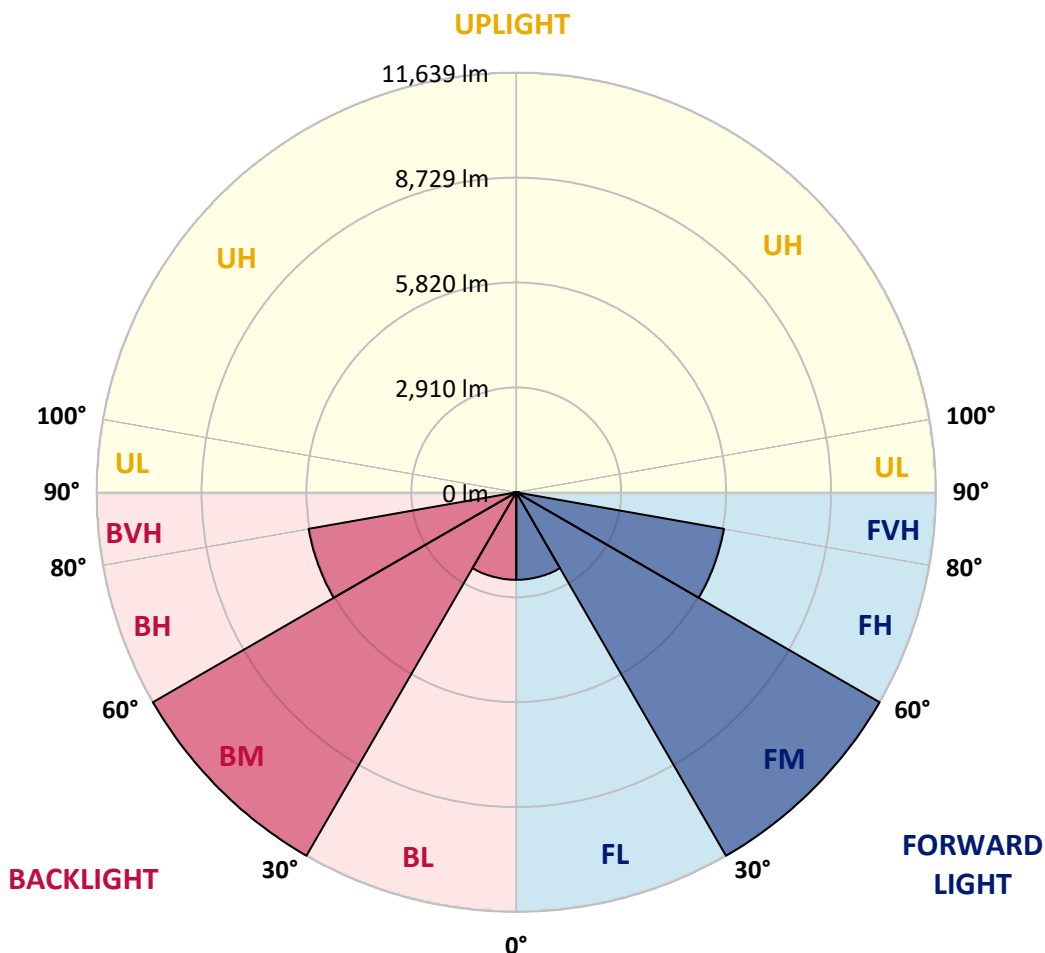


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2427.9	6.1			
FM (30°-60°)	11639.0	29.1			
FH (60°-80°)	5848.9	14.6			G3/7500
FVH (80°-90°)	85.7	0.2			G1/100
BL (0°-30°)	2427.9	6.1	B3/2500		
BM (30°-60°)	11639.0	29.1	B5		
BH (60°-80°)	5848.9	14.6	B5		G3/7500
BVH (80°-90°)	85.7	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-G3**  
 Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4830.9	4830.9	4830.9	4830.9	4830.9	4830.9	4830.9	4830.9	4830.9	4830.9	4830.9
2.5°	4846.8	4844.1	4846.8	4848.1	4840.2	4844.1	4842.8	4849.5	4852.1	4849.5	4849.5
5°	4902.6	4898.6	4903.9	4910.5	4899.9	4902.6	4898.6	4906.6	4909.2	4903.9	4907.9
7.5°	4979.6	4980.9	4986.2	4998.2	4991.5	4996.9	4988.9	4990.2	4988.9	4980.9	4982.2
10°	5063.2	5064.6	5073.9	5089.8	5092.5	5092.5	5087.2	5083.2	5077.9	5072.5	5073.9
12.5°	5164.2	5170.8	5177.4	5197.4	5197.4	5208.0	5205.3	5194.7	5185.4	5177.4	5177.4
15°	5300.9	5299.6	5307.6	5327.5	5336.8	5354.1	5354.1	5339.5	5327.5	5319.5	5316.9
17.5°	5444.4	5448.3	5453.6	5477.6	5492.2	5512.1	5514.7	5502.8	5494.8	5484.2	5477.6
20°	5611.7	5618.3	5639.6	5648.8	5662.1	5680.7	5687.4	5684.7	5676.7	5671.4	5672.8
22.5°	5806.9	5824.1	5837.4	5850.7	5866.6	5879.9	5886.5	5895.8	5887.9	5883.9	5881.2
25°	6043.2	6055.2	6081.7	6105.6	6116.3	6120.3	6128.2	6141.5	6140.2	6130.9	6130.9
27.5°	6311.5	6334.0	6367.2	6401.8	6401.8	6388.5	6415.0	6437.6	6429.7	6417.7	6401.8
30°	6636.8	6658.0	6696.6	6744.4	6720.5	6711.2	6747.0	6788.2	6776.2	6756.3	6753.7
32.5°	6987.4	7007.3	7057.7	7109.5	7079.0	7065.7	7104.2	7164.0	7142.7	7102.9	7079.0
35°	7367.1	7387.1	7458.8	7521.2	7469.4	7446.8	7478.7	7543.8	7506.6	7432.2	7413.6
37.5°	7780.1	7790.7	7883.7	7947.4	7911.6	7851.8	7891.7	7939.5	7907.6	7817.3	7781.4
40°	8209.0	8247.5	8355.1	8429.5	8367.0	8272.8	8339.2	8405.6	8357.7	8242.2	8181.1
42.5°	8709.6	8738.9	8882.3	8948.7	8847.7	8715.0	8805.2	8895.5	8847.7	8736.2	8683.1
45°	9230.2	9275.3	9446.6	9513.0	9366.9	9198.3	9308.5	9466.5	9462.6	9301.9	9246.1
47.5°	9797.2	9842.3	10046.8	10134.5	9976.4	9750.7	9906.1	10129.2	10113.2	9936.6	9891.5
50°	10451.8	10499.6	10754.6	10864.8	10717.4	10454.5	10688.2	10884.7	10855.5	10637.7	10641.7
52.5°	11273.8	11271.1	11588.5	11779.7	11628.3	11396.0	11611.1	11802.3	11681.5	11380.0	11370.7
55°	11993.5	12037.3	12430.4	12792.9	12783.6	12694.6	12781.0	12788.9	12443.7	12042.6	11993.5
57.5°	12466.2	12549.9	13103.6	13759.6	14250.9	14369.1	14201.8	13694.5	12885.9	12244.5	12166.1
60°	12175.4	12302.9	13172.7	14509.9	15957.3	16651.8	15707.6	14134.1	12541.9	11648.3	11542.0
62.5°	10212.8	10427.9	11701.4	14147.4	17425.9	19456.3	16799.2	13429.0	11174.2	9943.3	9761.3
65°	6219.8	6446.9	7982.0	11644.3	17188.2	21676.5	16301.2	11146.3	8155.9	6624.9	6428.3
67.5°	2072.8	2139.2	3043.5	6436.3	13508.6	19476.2	13531.2	6672.7	3549.5	2353.0	2284.0
70°	811.3	818.0	965.4	1865.7	6379.2	13377.2	7039.2	1898.9	1009.2	798.1	815.3
72.5°	596.2	598.9	640.0	779.5	1662.5	5893.2	1722.3	783.5	622.8	559.0	559.0
75°	479.4	479.4	508.6	568.3	744.9	1351.8	755.6	561.7	487.3	446.2	440.9
77.5°	378.4	386.4	409.0	447.5	504.6	650.7	523.2	444.8	393.1	354.5	346.6
80°	281.5	289.5	326.7	345.3	362.5	451.5	386.4	347.9	310.7	265.6	257.6
82.5°	184.6	192.5	239.0	249.6	245.7	294.8	260.3	256.3	228.4	171.3	163.3
85°	120.8	123.5	159.3	166.0	152.7	134.1	166.0	175.3	159.3	111.5	107.6
87.5°	57.1	57.1	81.0	75.7	69.1	55.8	75.7	89.0	90.3	54.4	53.1
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)