

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: P316184

Luminaire Tested: **GAN-SA0D-740-U-5WQ**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P316184  
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-SA0D-740-U-5WQ  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(10) 70 CRI, 4000K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 80894 lumens  
Efficiency: N/A  
Efficacy: 126.4 lumens/watt  
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G5

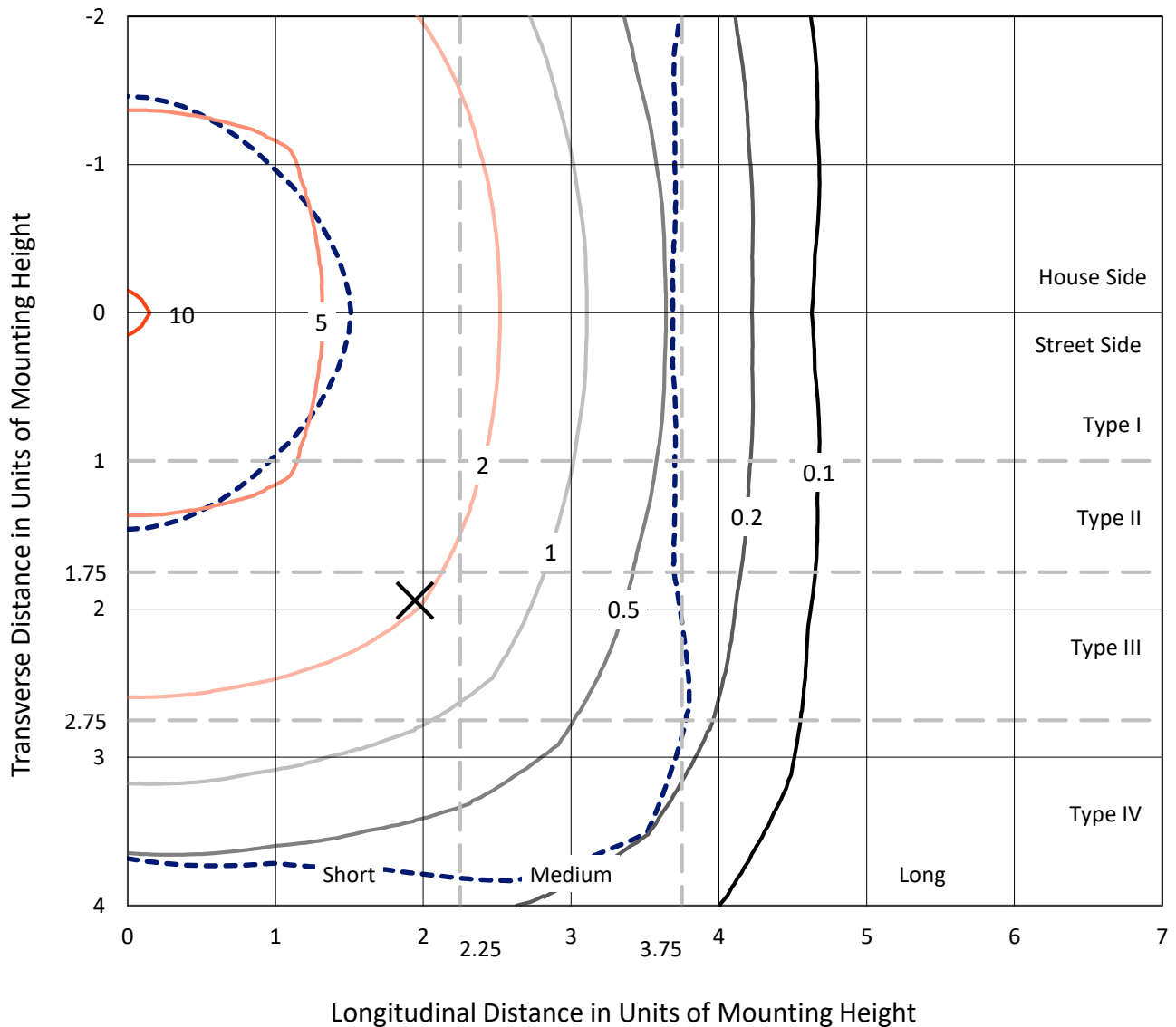
Input Watts (W): 640  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

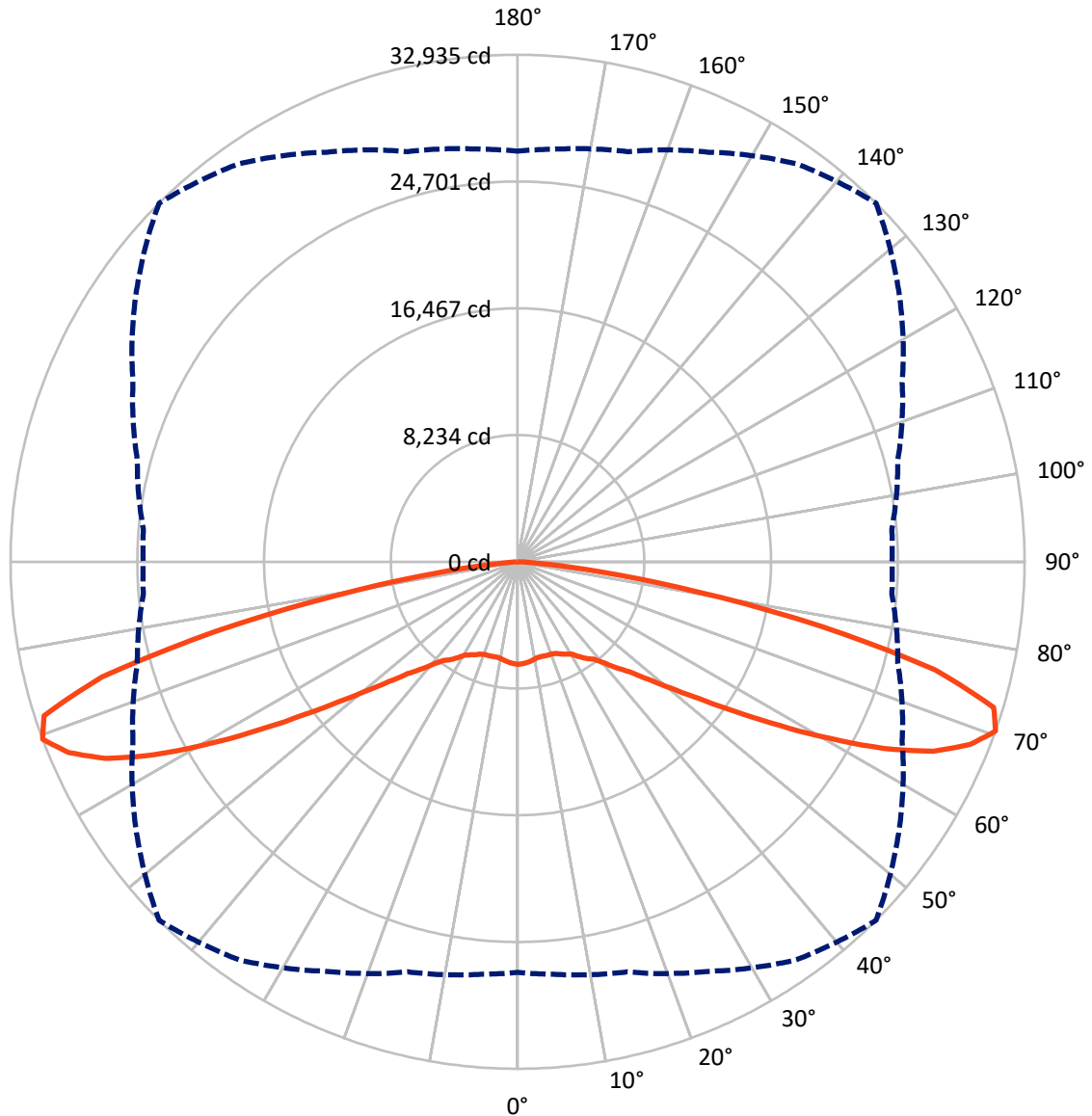
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.7 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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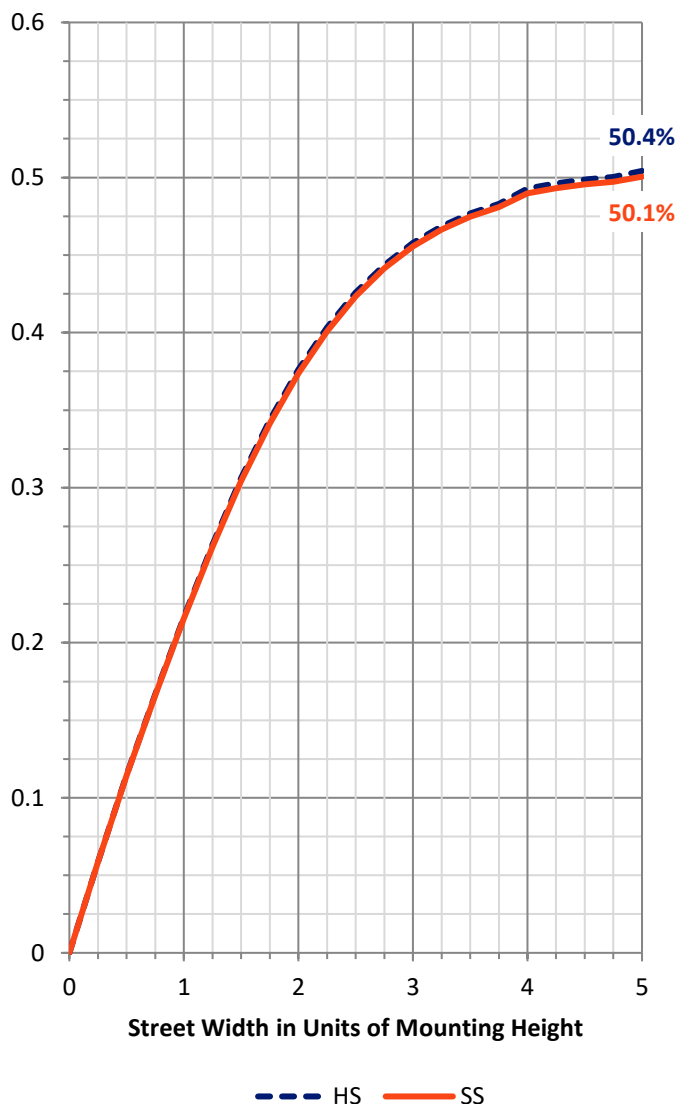
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	40447.0	0.0	40447.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	40447.0	0.0	40447.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	80894.0	0.0	80894.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	621.4	0.8
10°-20°	1815.1	2.2
20°-30°	3094.6	3.8
30°-40°	4835.4	6.0
40°-50°	8194.9	10.1
50°-60°	14944.1	18.5
60°-70°	25727.3	31.8
70°-80°	20166.0	24.9
80°-90°	1495.3	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°	80894.0	100.0
0°-180°	80894.0	100.0

**Coefficient of Utilization**



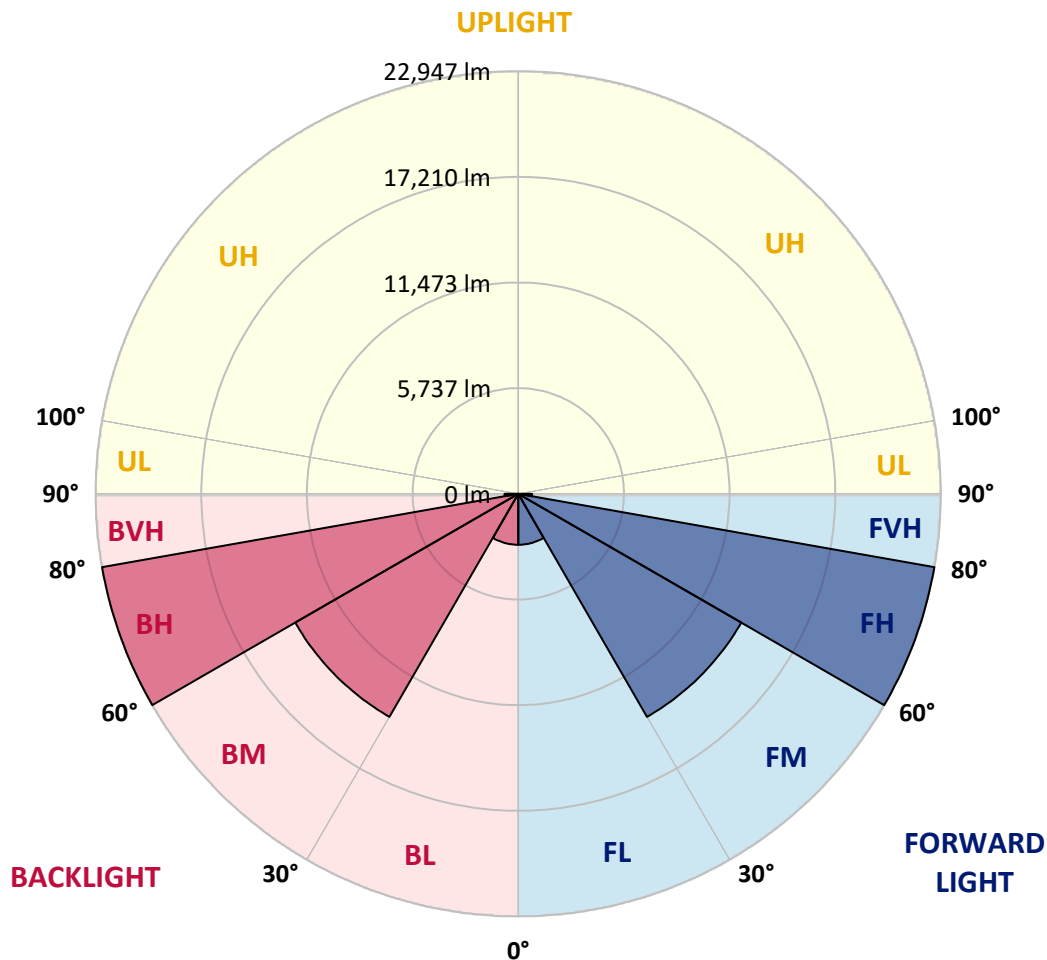
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2765.5	3.4			
FM (30°-60°)	13987.2	17.3			
FH (60°-80°)	22946.6	28.4			G5
FVH (80°-90°)	747.6	0.9			G4/750
BL (0°-30°)	2765.5	3.4	B4/5000		
BM (30°-60°)	13987.2	17.3	B5		
BH (60°-80°)	22946.6	28.4	B5		G5
BVH (80°-90°)	747.6	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°	6657.6	6657.6	6657.6	6657.6	6657.6	6657.6	6657.6	6657.6	6657.6	6657.6	6657.6
2.5°	6628.2	6636.2	6628.2	6633.5	6620.1	6625.5	6625.5	6625.5	6622.8	6625.5	6620.1
5°	6569.3	6574.6	6563.9	6569.3	6561.3	6569.3	6572.0	6569.3	6563.9	6566.6	6555.9
7.5°	6481.0	6486.3	6478.3	6486.3	6475.6	6489.0	6486.3	6478.3	6470.3	6470.3	6459.6
10°	6432.8	6435.5	6414.1	6406.1	6382.0	6387.3	6395.4	6403.4	6411.4	6427.5	6424.8
12.5°	6435.5	6435.5	6403.4	6368.6	6333.8	6341.8	6355.2	6384.6	6416.8	6446.2	6448.9
15°	6462.2	6459.6	6411.4	6355.2	6331.1	6355.2	6363.2	6382.0	6432.8	6483.7	6486.3
17.5°	6481.0	6481.0	6406.1	6341.8	6339.2	6376.6	6373.9	6382.0	6438.2	6513.1	6515.8
20°	6515.8	6515.8	6419.4	6349.9	6349.9	6390.0	6392.7	6406.1	6462.2	6545.2	6558.6
22.5°	6593.4	6596.0	6494.4	6438.2	6443.5	6467.6	6475.6	6497.0	6547.9	6638.9	6654.9
25°	6703.1	6708.4	6604.1	6572.0	6590.7	6636.2	6630.8	6646.9	6703.1	6791.4	6807.4
27.5°	6855.6	6842.2	6745.9	6732.5	6751.2	6783.4	6780.7	6783.4	6828.8	6909.1	6927.9
30°	7053.6	7048.3	6978.7	6986.7	6978.7	6968.0	6970.7	6992.1	7016.2	7080.4	7099.1
32.5°	7246.3	7251.6	7208.8	7249.0	7307.8	7348.0	7286.4	7227.5	7200.8	7235.6	7251.6
35°	7594.1	7607.5	7540.6	7513.9	7594.1	7711.9	7538.0	7441.6	7495.1	7540.6	7554.0
37.5°	8185.5	8193.5	8081.2	7974.1	7915.3	8027.6	7853.7	7861.7	8049.0	8134.7	8132.0
40°	8859.8	8862.5	8787.6	8693.9	8592.2	8619.0	8549.4	8570.8	8693.9	8771.5	8792.9
42.5°	9662.6	9654.6	9536.8	9403.0	9373.6	9400.4	9282.6	9266.6	9408.4	9547.5	9550.2
45°	10703.5	10684.8	10532.3	10385.1	10243.3	10184.4	10155.0	10232.6	10427.9	10556.3	10559.0
47.5°	11824.7	11773.9	11693.6	11575.9	11452.8	11393.9	11345.7	11383.2	11525.0	11575.9	11581.2
50°	12978.0	12988.7	13004.8	12959.3	12913.8	12895.1	12769.3	12697.0	12739.9	12646.2	12632.8
52.5°	14345.4	14366.8	14522.0	14653.1	14730.7	14770.9	14532.7	14283.8	14144.7	13962.7	13909.2
55°	15958.9	15993.7	16221.2	16585.1	16959.7	17157.7	16726.9	16261.3	15830.5	15490.7	15381.0
57.5°	17757.1	17818.7	18131.8	18830.2	19598.1	20066.4	19338.6	18493.0	17660.8	17171.1	17085.5
60°	19865.7	19924.6	20358.1	21358.9	22603.2	23306.9	22204.4	20821.0	19785.5	19317.2	19159.3
62.5°	22375.7	22381.1	22913.6	24082.9	25725.9	26705.3	25212.1	23363.1	22295.4	21730.8	21578.3
65°	25075.7	25089.0	25640.3	26903.3	28602.5	29667.5	27981.7	26055.0	24749.2	23917.0	23799.3
67.5°	26983.6	27039.8	27620.4	29140.3	30729.8	31690.4	29945.8	27767.6	26258.4	25265.7	25166.6
70°	26678.5	26897.9	27580.3	29354.4	31564.7	32934.7	30264.2	27564.2	25573.4	24401.3	24318.4
72.5°	23266.8	23686.9	24596.7	26924.7	30459.5	32346.0	28527.5	24687.7	22434.6	21436.5	21286.6
75°	15843.9	16526.2	17899.0	21257.2	26022.9	28005.8	24016.0	19683.8	17564.5	16183.7	16082.0
77.5°	7064.3	7219.5	8958.8	12825.5	17957.8	20111.9	17449.4	12876.3	9665.3	7709.2	7297.1
80°	1969.4	1993.5	2659.8	4776.4	8988.3	11816.7	9649.2	5017.3	2820.4	1988.2	1873.1
82.5°	626.2	679.7	829.5	1238.9	3021.1	5391.9	3101.3	1337.9	952.6	759.9	685.0
85°	305.1	302.4	420.1	503.1	770.7	1193.4	821.5	620.8	543.2	361.2	326.5
87.5°	128.4	131.1	195.3	176.6	224.8	192.7	264.9	278.3	291.7	160.6	139.1
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)