

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: P316224

Luminaire Tested: **GAN-SA0D-750-U-5WQ**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P316224  
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-750-U-5WQ  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(10) 70 CRI, 5000K, 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: 80893 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

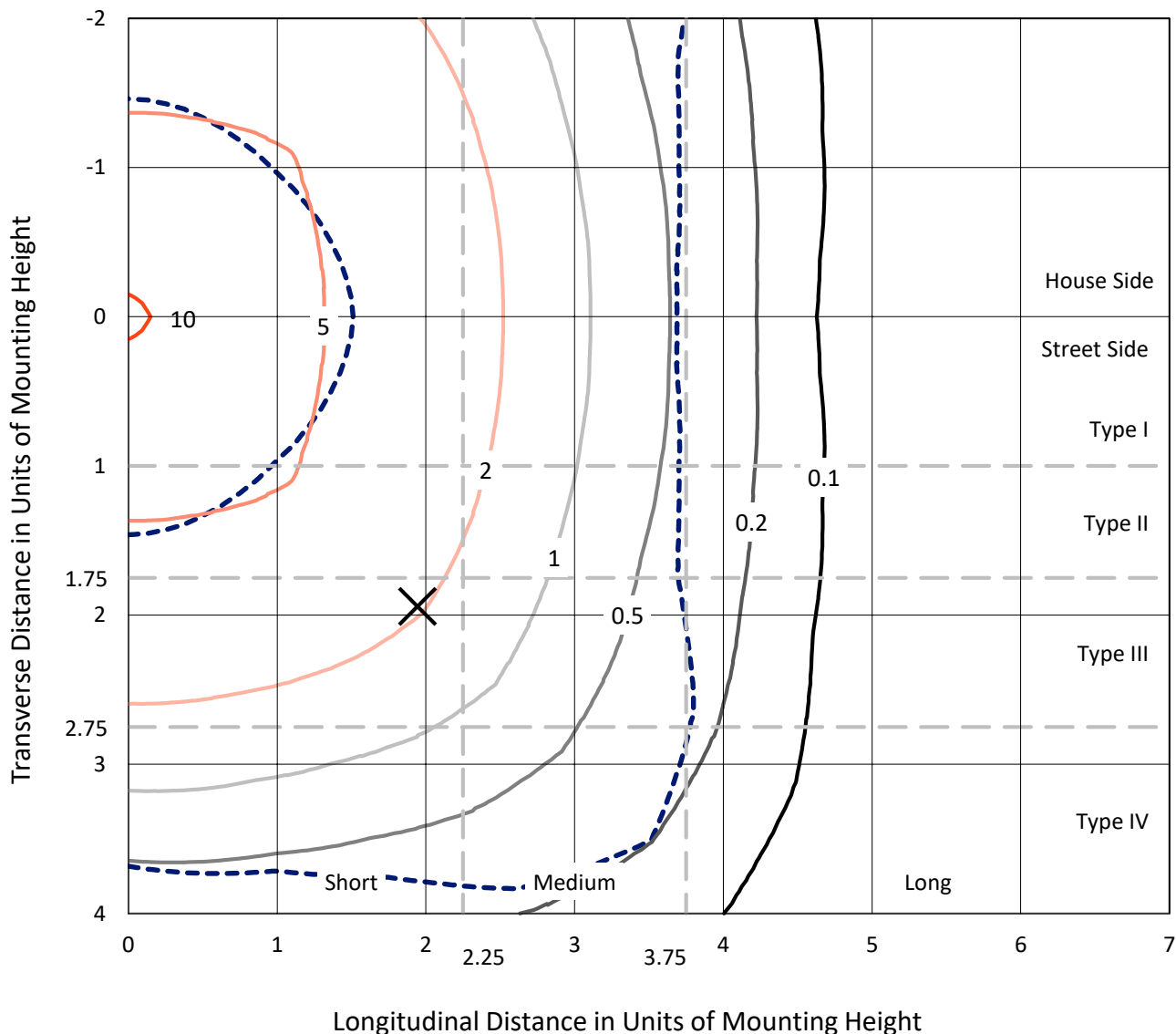
Input Watts (W): 640  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

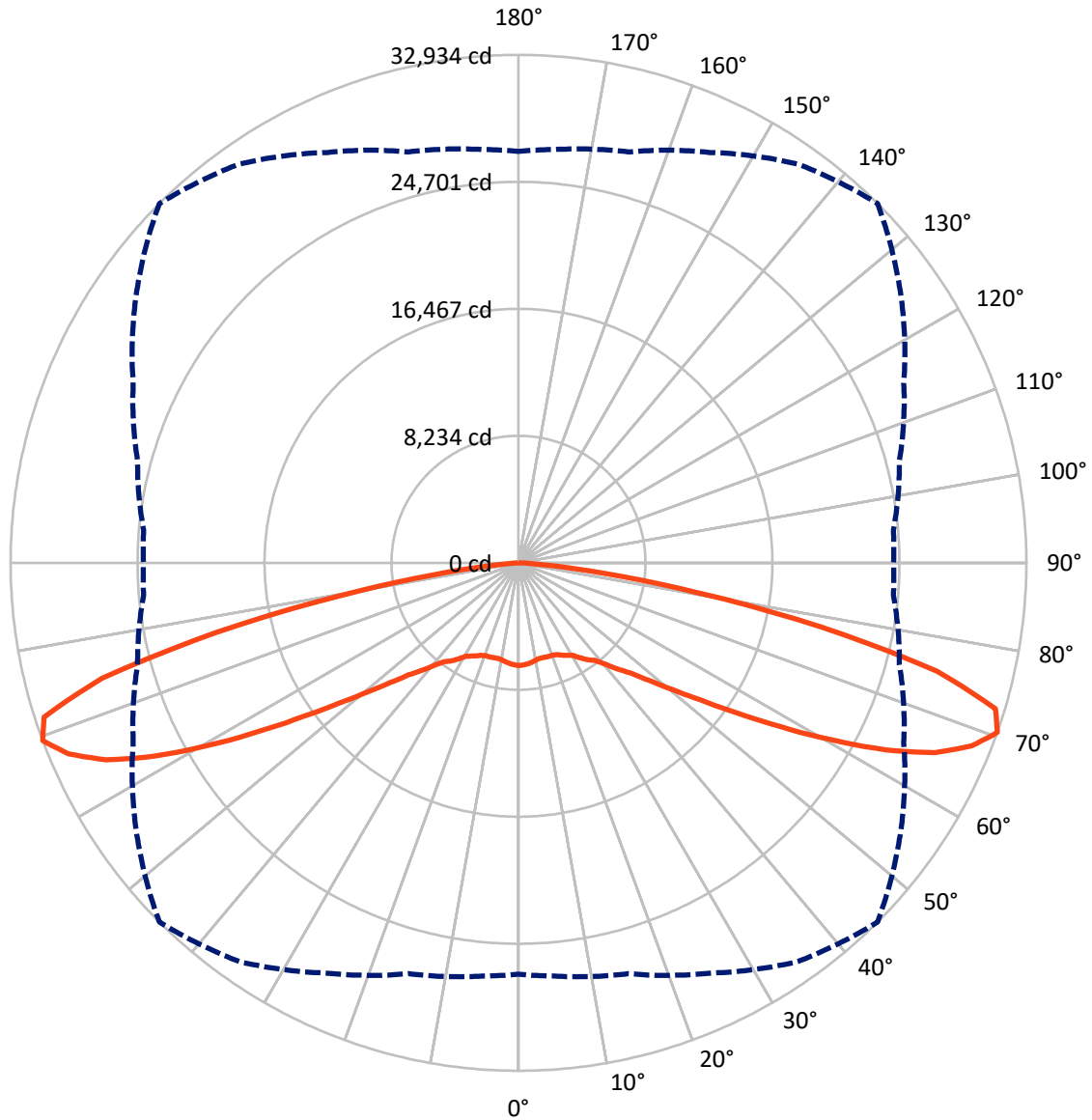
✕ Max cd  
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 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	40446.5	0.0	40446.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	40446.5	0.0	40446.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	80893.0	0.0	80893.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	621.4	0.8
10°-20°	1815.0	2.2
20°-30°	3094.6	3.8
30°-40°	4835.4	6.0
40°-50°	8194.8	10.1
50°-60°	14943.9	18.5
60°-70°	25726.9	31.8
70°-80°	20165.7	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°	80893.0	100.0
0°-180°	80893.0	100.0

**Coefficient of Utilization**

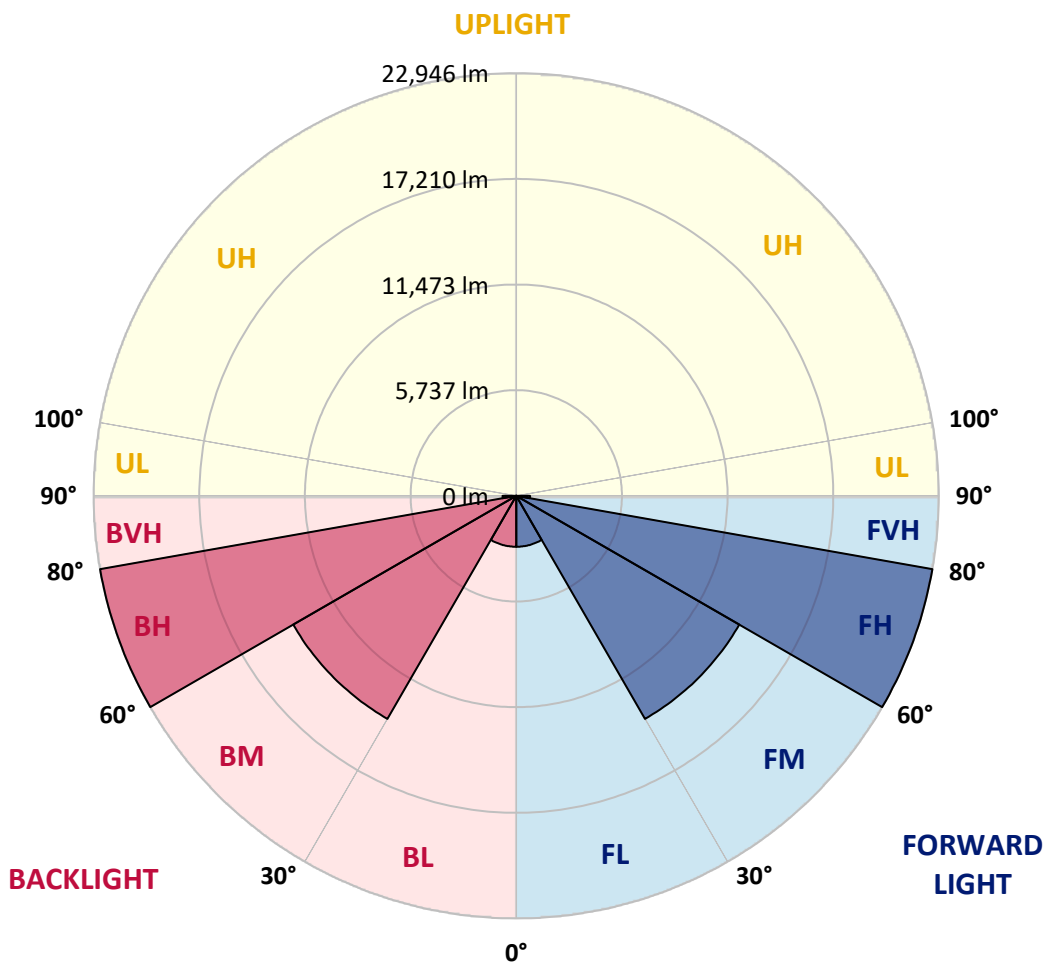


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2765.5	3.4			
FM (30°-60°)	13987.0	17.3			
FH (60°-80°)	22946.3	28.4			G5
FVH (80°-90°)	747.6	0.9			G4/750
BL (0°-30°)	2765.5	3.4	B4/5000		
BM (30°-60°)	13987.0	17.3	B5		
BH (60°-80°)	22946.3	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°	6657.5	6657.5	6657.5	6657.5	6657.5	6657.5	6657.5	6657.5	6657.5	6657.5	6657.5
2.5°	6628.1	6636.1	6628.1	6633.4	6620.0	6625.4	6625.4	6625.4	6622.7	6625.4	6620.0
5°	6569.2	6574.6	6563.9	6569.2	6561.2	6569.2	6571.9	6569.2	6563.9	6566.5	6555.8
7.5°	6480.9	6486.3	6478.2	6486.3	6475.5	6488.9	6486.3	6478.2	6470.2	6470.2	6459.5
10°	6432.7	6435.4	6414.0	6406.0	6381.9	6387.2	6395.3	6403.3	6411.3	6427.4	6424.7
12.5°	6435.4	6435.4	6403.3	6368.5	6333.7	6341.8	6355.1	6384.6	6416.7	6446.1	6448.8
15°	6462.2	6459.5	6411.3	6355.1	6331.1	6355.1	6363.2	6381.9	6432.7	6483.6	6486.3
17.5°	6480.9	6480.9	6406.0	6341.8	6339.1	6376.5	6373.9	6381.9	6438.1	6513.0	6515.7
20°	6515.7	6515.7	6419.4	6349.8	6349.8	6389.9	6392.6	6406.0	6462.2	6545.1	6558.5
22.5°	6593.3	6596.0	6494.3	6438.1	6443.4	6467.5	6475.5	6497.0	6547.8	6638.8	6654.8
25°	6703.0	6708.3	6604.0	6571.9	6590.6	6636.1	6630.7	6646.8	6703.0	6791.3	6807.4
27.5°	6855.5	6842.1	6745.8	6732.4	6751.2	6783.3	6780.6	6783.3	6828.8	6909.0	6927.8
30°	7053.5	7048.2	6978.6	6986.6	6978.6	6967.9	6970.6	6992.0	7016.1	7080.3	7099.0
32.5°	7246.2	7251.5	7208.7	7248.9	7307.7	7347.9	7286.3	7227.5	7200.7	7235.5	7251.5
35°	7594.1	7607.4	7540.5	7513.8	7594.1	7711.8	7537.9	7441.5	7495.0	7540.5	7553.9
37.5°	8185.4	8193.4	8081.1	7974.0	7915.2	8027.5	7853.6	7861.6	8048.9	8134.6	8131.9
40°	8859.7	8862.4	8787.5	8693.8	8592.1	8618.9	8549.3	8570.7	8693.8	8771.4	8792.8
42.5°	9662.5	9654.5	9536.7	9402.9	9373.5	9400.2	9282.5	9266.5	9408.3	9547.4	9550.1
45°	10703.4	10684.7	10532.1	10385.0	10243.1	10184.3	10154.8	10232.4	10427.8	10556.2	10558.9
47.5°	11824.6	11773.7	11693.4	11575.7	11452.6	11393.8	11345.6	11383.0	11524.9	11575.7	11581.1
50°	12977.9	12988.6	13004.6	12959.1	12913.6	12894.9	12769.1	12696.9	12739.7	12646.0	12632.7
52.5°	14345.2	14366.6	14521.8	14652.9	14730.5	14770.7	14532.5	14283.7	14144.5	13962.6	13909.0
55°	15958.7	15993.5	16221.0	16584.9	16959.5	17157.5	16726.7	16261.1	15830.3	15490.5	15380.8
57.5°	17756.9	17818.5	18131.5	18829.9	19597.9	20066.2	19338.3	18492.8	17660.6	17170.9	17085.3
60°	19865.5	19924.3	20357.8	21358.6	22602.9	23306.6	22204.2	20820.8	19785.2	19316.9	19159.1
62.5°	22375.4	22380.8	22913.3	24082.6	25725.6	26704.9	25211.8	23362.8	22295.1	21730.5	21578.0
65°	25075.4	25088.7	25640.0	26903.0	28602.1	29667.1	27981.3	26054.7	24748.9	23916.7	23799.0
67.5°	26983.2	27039.4	27620.1	29140.0	30729.4	31690.0	29945.4	27767.3	26258.1	25265.3	25166.3
70°	26678.2	26897.6	27579.9	29354.0	31564.3	32934.3	30263.8	27563.9	25573.1	24401.0	24318.1
72.5°	23266.5	23686.6	24596.4	26924.4	30459.2	32345.6	28527.2	24687.4	22434.3	21436.2	21286.4
75°	15843.7	16526.0	17898.7	21256.9	26022.6	28005.4	24015.7	19683.5	17564.3	16183.5	16081.8
77.5°	7064.2	7219.4	8958.7	12825.3	17957.6	20111.7	17449.2	12876.2	9665.2	7709.1	7297.0
80°	1969.4	1993.5	2659.8	4776.4	8988.2	11816.5	9649.1	5017.2	2820.3	1988.2	1873.1
82.5°	626.1	679.7	829.5	1238.9	3021.0	5391.8	3101.3	1337.9	952.6	759.9	685.0
85°	305.0	302.4	420.1	503.1	770.6	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)