

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: P316834

Luminaire Tested: **GAN-SA0A-750-U-5NQ**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P316834  
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-SA0A-750-U-5NQ  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(10) 70 CRI, 5000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V  
NARROW OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 47580 lumens  
Efficiency: N/A  
Efficacy: 147.3 lumens/watt  
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G3

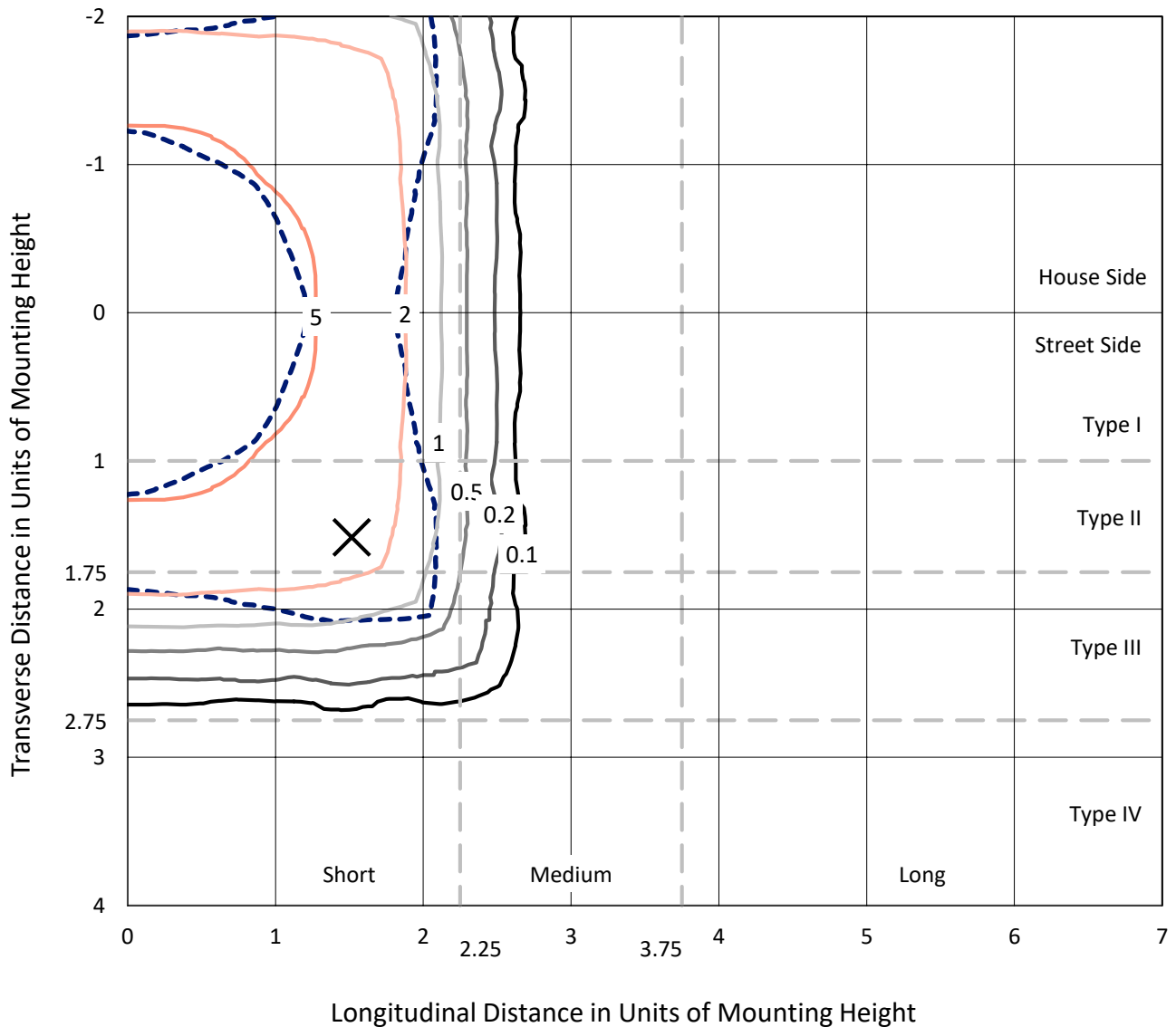
Input Watts (W): 323  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

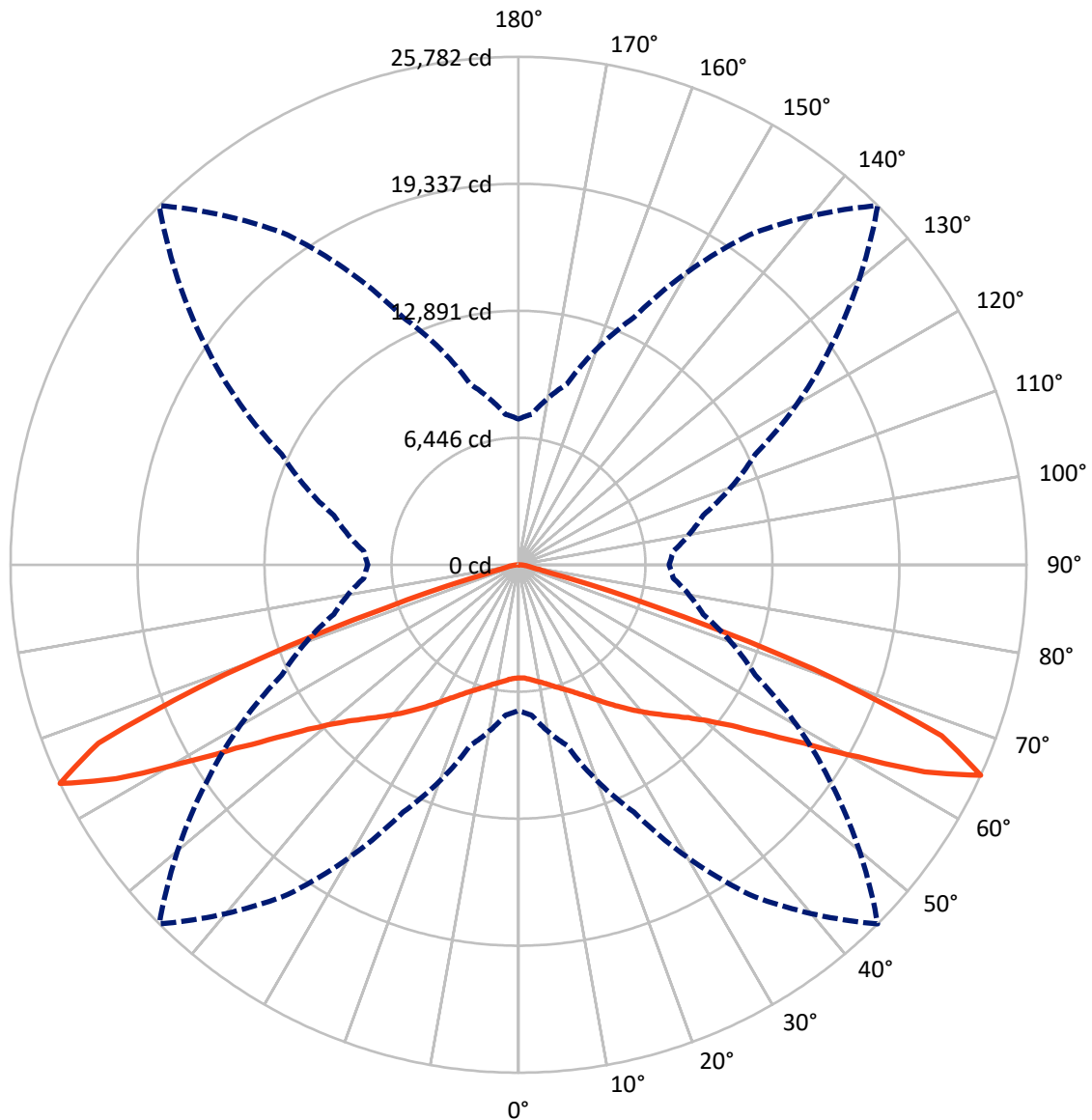
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.3 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	23790.0	0.0	23790.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	23790.0	0.0	23790.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	47580.0	0.0	47580.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	563.7	1.2
10°-20°	1812.0	3.8
20°-30°	3399.7	7.1
30°-40°	5622.5	11.8
40°-50°	8708.5	18.3
50°-60°	13356.3	28.1
60°-70°	12463.0	26.2
70°-80°	1450.5	3.0
80°-90°	203.8	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°	47580.0	100.0
0°-180°	47580.0	100.0

**Coefficient of Utilization**



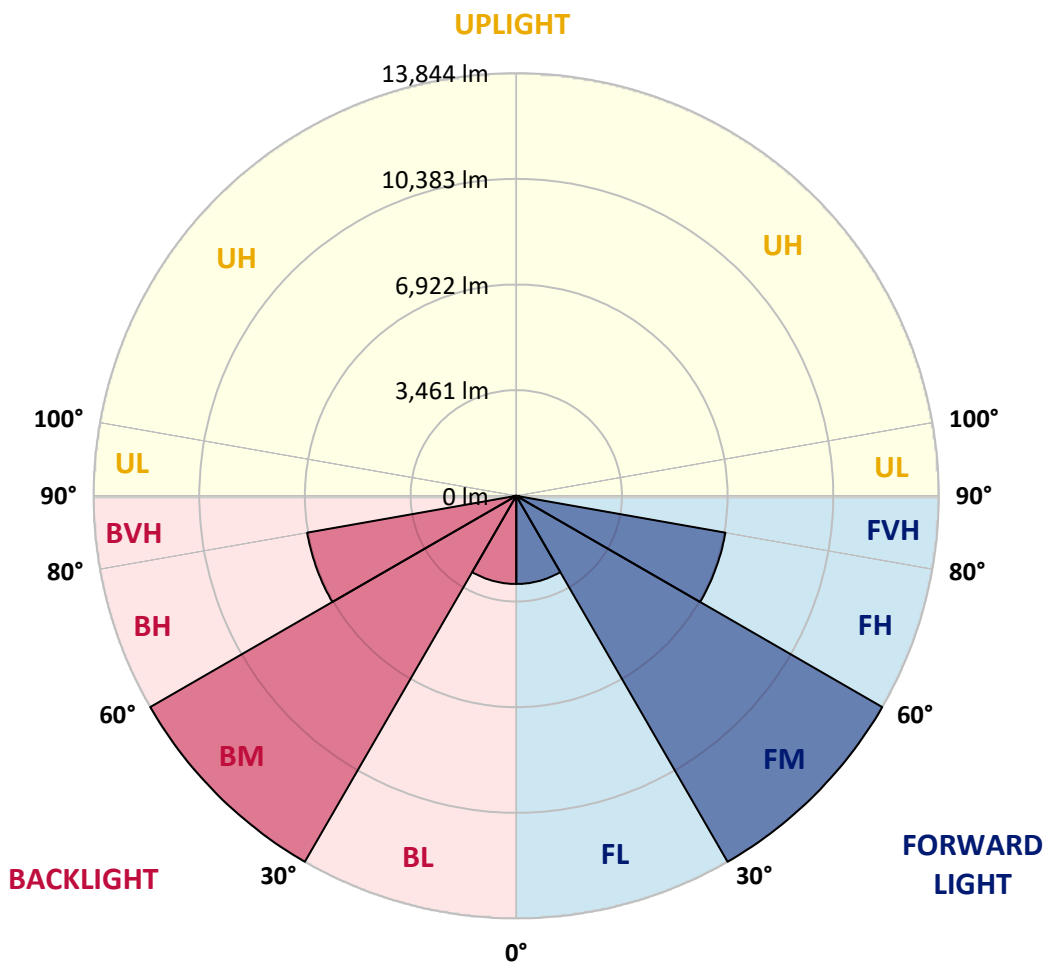
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2887.8	6.1			
FM (30°-60°)	13843.6	29.1			
FH (60°-80°)	6956.7	14.6			G3/7500
FVH (80°-90°)	101.9	0.2			G2/225
BL (0°-30°)	2887.8	6.1	B4/5000		
BM (30°-60°)	13843.6	29.1	B5		
BH (60°-80°)	6956.7	14.6	B5		G3/7500
BVH (80°-90°)	101.9	0.2			G2/225
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°	5745.9	5745.9	5745.9	5745.9	5745.9	5745.9	5745.9	5745.9	5745.9	5745.9	5745.9
2.5°	5764.8	5761.7	5764.8	5766.4	5756.9	5761.7	5760.1	5768.0	5771.2	5768.0	5768.0
5°	5831.2	5826.4	5832.8	5840.7	5828.0	5831.2	5826.4	5835.9	5839.1	5832.8	5837.5
7.5°	5922.8	5924.4	5930.7	5944.9	5937.0	5943.3	5933.8	5935.4	5933.8	5924.4	5925.9
10°	6022.3	6023.9	6034.9	6053.9	6057.0	6057.0	6050.7	6046.0	6039.7	6033.3	6034.9
12.5°	6142.3	6150.2	6158.1	6181.8	6181.8	6194.4	6191.3	6178.6	6167.6	6158.1	6158.1
15°	6305.0	6303.4	6312.9	6336.6	6347.6	6368.2	6368.2	6350.8	6336.6	6327.1	6324.0
17.5°	6475.6	6480.3	6486.6	6515.1	6532.4	6556.1	6559.3	6545.1	6535.6	6523.0	6515.1
20°	6674.6	6682.5	6707.7	6718.8	6734.6	6756.7	6764.6	6761.4	6752.0	6745.7	6747.2
22.5°	6906.8	6927.3	6943.1	6958.9	6977.8	6993.6	7001.5	7012.6	7003.1	6998.4	6995.2
25°	7187.9	7202.1	7233.7	7262.1	7274.8	7279.5	7289.0	7304.8	7303.2	7292.1	7292.1
27.5°	7506.9	7533.8	7573.3	7614.3	7614.3	7598.5	7630.1	7657.0	7647.5	7633.3	7614.3
30°	7893.9	7919.2	7965.0	8021.8	7993.4	7982.3	8025.0	8073.9	8059.7	8036.0	8032.9
32.5°	8310.8	8334.5	8394.6	8456.2	8419.8	8404.0	8449.8	8520.9	8495.6	8448.3	8419.8
35°	8762.6	8786.2	8871.5	8945.8	8884.2	8857.3	8895.2	8972.6	8928.4	8839.9	8817.8
37.5°	9253.8	9266.4	9376.9	9452.8	9410.1	9339.0	9386.4	9443.3	9405.4	9298.0	9255.3
40°	9763.9	9809.7	9937.6	10026.1	9951.9	9839.7	9918.7	9997.7	9940.8	9803.4	9730.7
42.5°	10359.3	10394.1	10564.7	10643.6	10523.6	10365.7	10473.1	10580.5	10523.6	10390.9	10327.8
45°	10978.5	11032.2	11235.9	11314.9	11141.1	10940.6	11071.7	11259.6	11254.9	11063.8	10997.4
47.5°	11652.9	11706.6	11949.8	12054.0	11866.1	11597.6	11782.4	12047.7	12028.8	11818.7	11765.0
50°	12431.5	12488.4	12791.6	12922.7	12747.4	12434.7	12712.7	12946.4	12911.7	12652.6	12657.4
52.5°	13409.2	13406.0	13783.5	14010.9	13830.9	13554.5	13810.3	14037.8	13894.1	13535.5	13524.5
55°	14265.2	14317.3	14784.8	15216.0	15205.0	15099.1	15201.8	15211.3	14800.6	14323.7	14265.2
57.5°	14827.5	14927.0	15585.6	16365.8	16950.2	17090.8	16891.8	16288.4	15326.6	14563.7	14470.5
60°	14481.6	14633.2	15667.7	17258.2	18979.8	19805.8	18682.8	16811.2	14917.5	13854.6	13728.2
62.5°	12147.2	12403.1	13917.7	16827.0	20726.6	23141.5	19981.1	15972.6	13290.7	11826.6	11610.2
65°	7397.9	7668.0	9493.8	13849.8	20443.9	25782.3	19388.8	13257.6	9700.7	7879.7	7645.9
67.5°	2465.5	2544.4	3620.0	7655.4	16067.3	23165.2	16094.2	7936.5	4221.8	2798.7	2716.6
70°	965.0	972.9	1148.2	2219.1	7587.5	15911.0	8372.4	2258.6	1200.4	949.2	969.8
72.5°	709.2	712.3	761.3	927.1	1977.4	7009.4	2048.5	931.9	740.7	664.9	664.9
75°	570.2	570.2	604.9	676.0	886.0	1607.8	898.7	668.1	579.6	530.7	524.4
77.5°	450.1	459.6	486.5	532.3	600.2	773.9	622.3	529.1	467.5	421.7	412.2
80°	334.8	344.3	388.5	410.6	431.2	537.0	459.6	413.8	369.6	315.9	306.4
82.5°	219.5	229.0	284.3	296.9	292.2	350.6	309.6	304.8	271.7	203.7	194.3
85°	143.7	146.9	189.5	197.4	181.6	159.5	197.4	208.5	189.5	132.7	127.9
87.5°	67.9	67.9	96.3	90.0	82.1	66.3	90.0	105.8	107.4	64.8	63.2
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)