

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: P316794

Luminaire Tested: **GAN-SA0A-740-U-5NQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316794
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-740-U-5NQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(10) 70 CRI, 4000K, 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: 47581 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

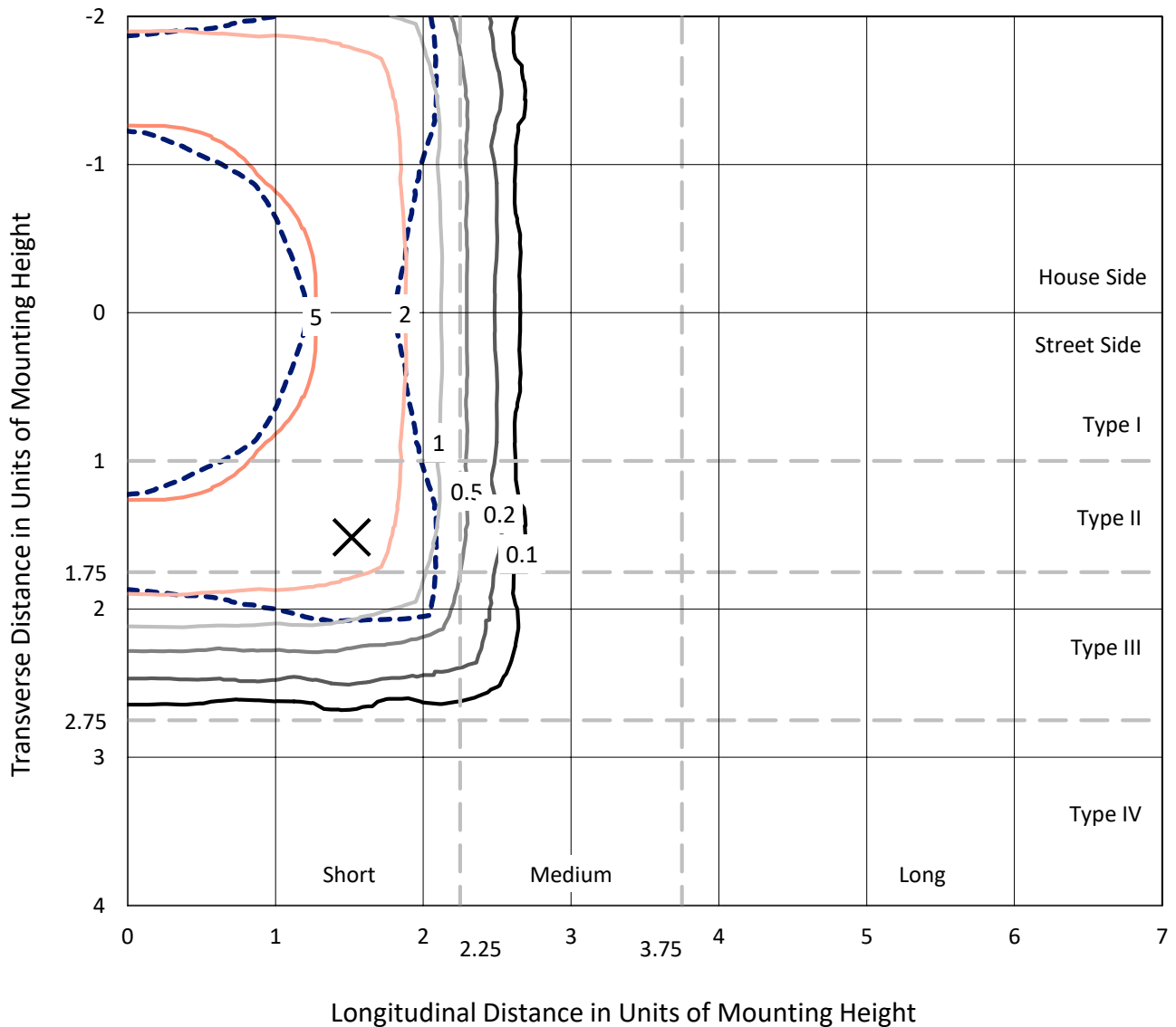
Input Watts (W): 323
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

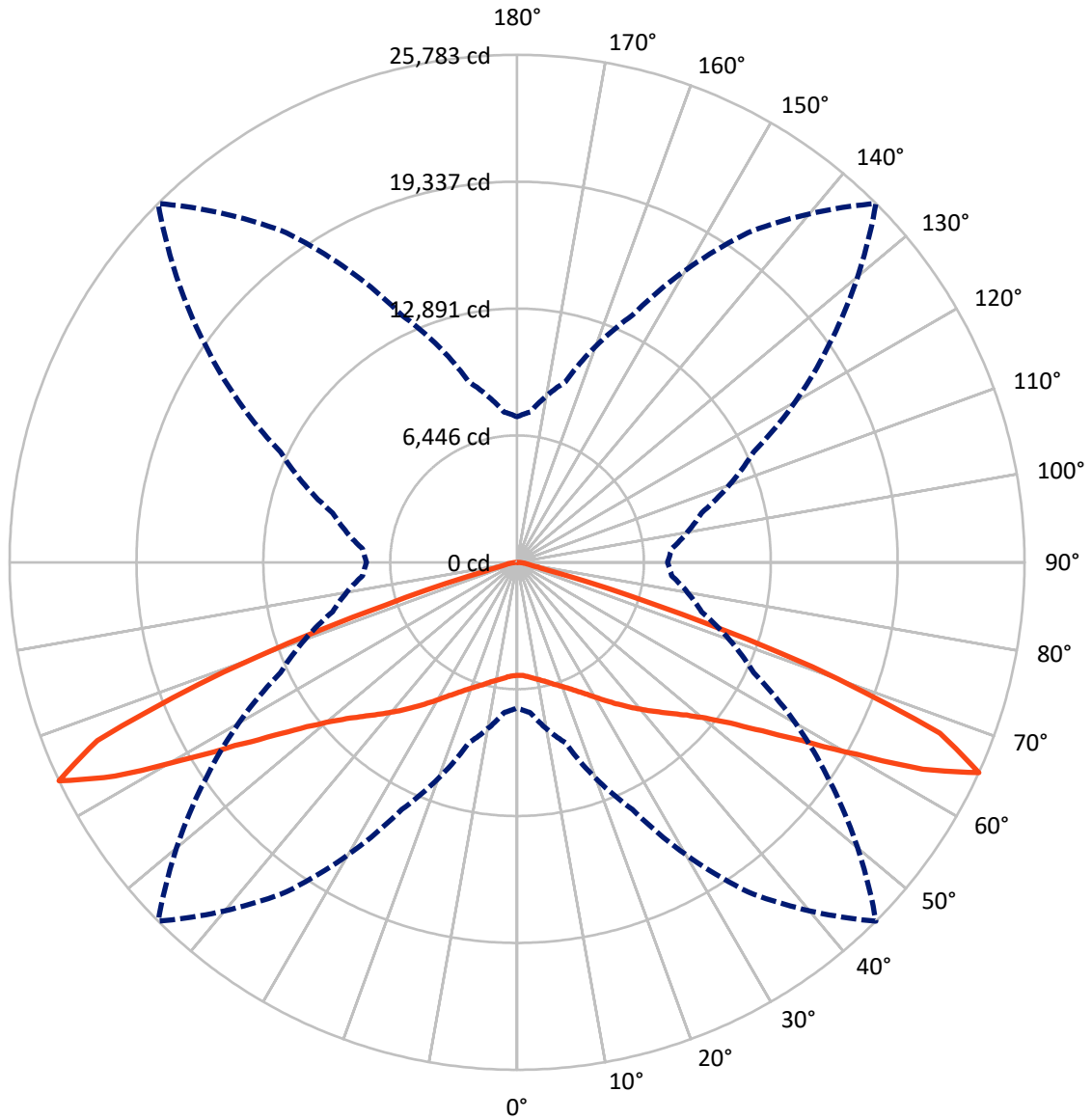
✕ Max cd
 - - - 1/2 Max cd



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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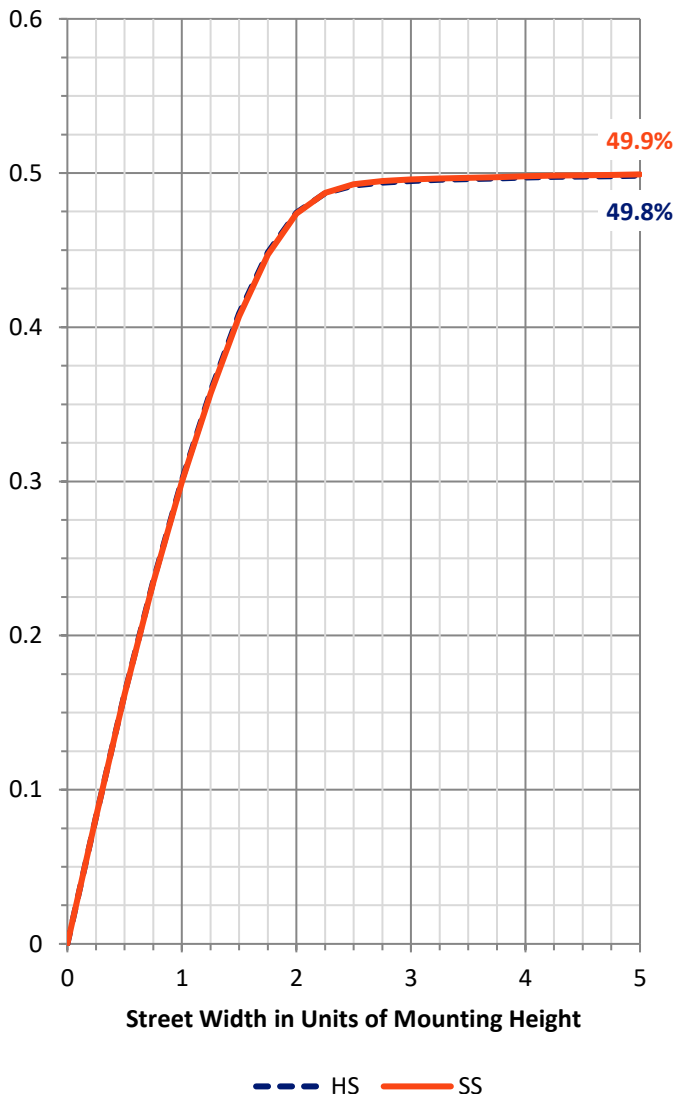
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	23790.5	0.0	23790.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	23790.5	0.0	23790.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	47581.0	0.0	47581.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	563.7	1.2
10°-20°	1812.1	3.8
20°-30°	3399.8	7.1
30°-40°	5622.6	11.8
40°-50°	8708.6	18.3
50°-60°	13356.6	28.1
60°-70°	12463.2	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°	47581.0	100.0
0°-180°	47581.0	100.0



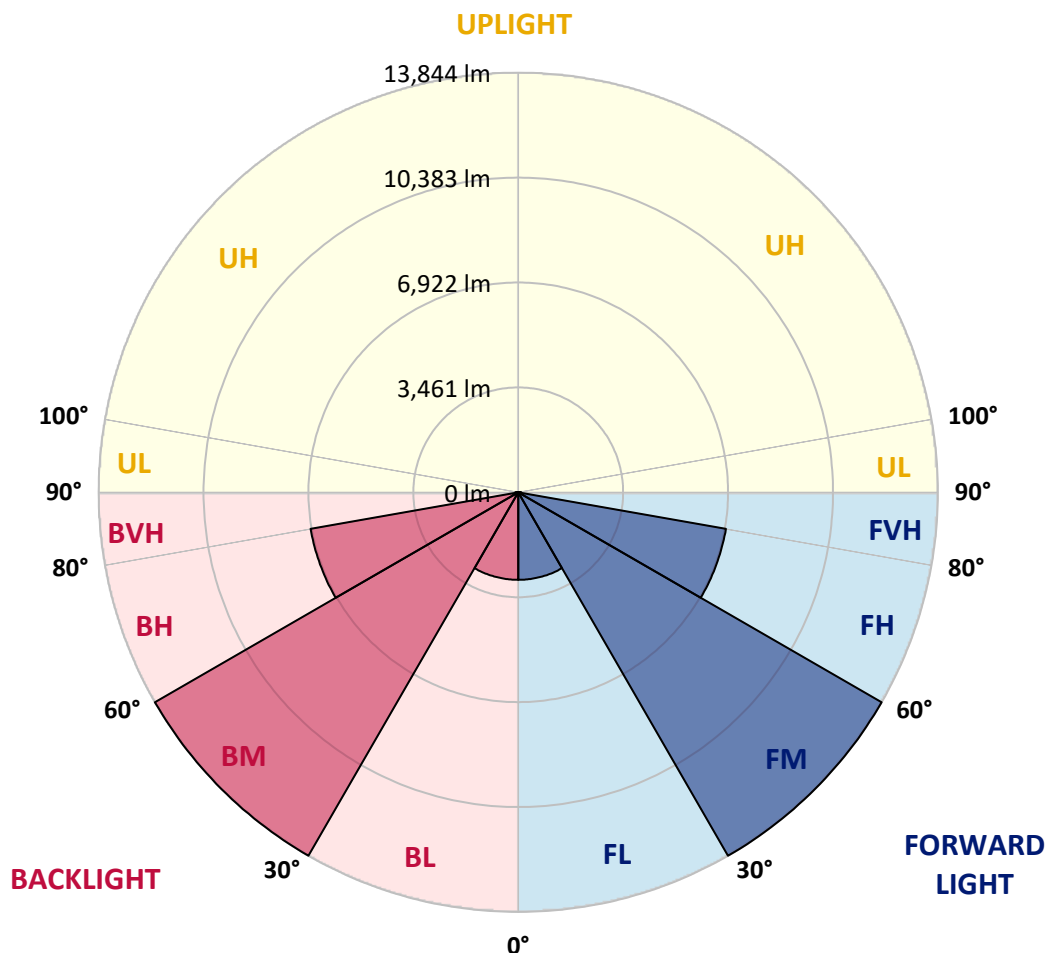
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2887.8	6.1			
FM (30°-60°)	13843.9	29.1			
FH (60°-80°)	6956.9	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°)	13843.9	29.1	B5		
BH (60°-80°)	6956.9	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°	5746.0	5746.0	5746.0	5746.0	5746.0	5746.0	5746.0	5746.0	5746.0	5746.0	5746.0
2.5°	5765.0	5761.8	5765.0	5766.5	5757.1	5761.8	5760.2	5768.1	5771.3	5768.1	5768.1
5°	5831.3	5826.6	5832.9	5840.8	5828.1	5831.3	5826.6	5836.0	5839.2	5832.9	5837.6
7.5°	5922.9	5924.5	5930.8	5945.0	5937.1	5943.4	5934.0	5935.5	5934.0	5924.5	5926.1
10°	6022.4	6024.0	6035.0	6054.0	6057.2	6057.2	6050.8	6046.1	6039.8	6033.5	6035.0
12.5°	6142.4	6150.3	6158.2	6181.9	6181.9	6194.6	6191.4	6178.8	6167.7	6158.2	6158.2
15°	6305.1	6303.6	6313.0	6336.7	6347.8	6368.3	6368.3	6350.9	6336.7	6327.2	6324.1
17.5°	6475.7	6480.4	6486.8	6515.2	6532.6	6556.3	6559.4	6545.2	6535.7	6523.1	6515.2
20°	6674.7	6682.6	6707.9	6718.9	6734.7	6756.9	6764.7	6761.6	6752.1	6745.8	6747.4
22.5°	6906.9	6927.4	6943.2	6959.0	6978.0	6993.8	7001.7	7012.7	7003.2	6998.5	6995.3
25°	7188.0	7202.3	7233.8	7262.3	7274.9	7279.6	7289.1	7304.9	7303.3	7292.3	7292.3
27.5°	7507.1	7533.9	7573.4	7614.5	7614.5	7598.7	7630.3	7657.1	7647.7	7633.4	7614.5
30°	7894.0	7919.3	7965.1	8022.0	7993.6	7982.5	8025.1	8074.1	8059.9	8036.2	8033.0
32.5°	8311.0	8334.7	8394.7	8456.3	8420.0	8404.2	8450.0	8521.1	8495.8	8448.4	8420.0
35°	8762.7	8786.4	8871.7	8946.0	8884.4	8857.5	8895.4	8972.8	8928.6	8840.1	8818.0
37.5°	9253.9	9266.6	9377.1	9453.0	9410.3	9339.2	9386.6	9443.5	9405.6	9298.2	9255.5
40°	9764.1	9809.9	9937.8	10026.3	9952.1	9839.9	9918.9	9997.9	9941.0	9803.6	9730.9
42.5°	10359.6	10394.3	10564.9	10643.9	10523.8	10365.9	10473.3	10580.7	10523.8	10391.1	10328.0
45°	10978.7	11032.4	11236.1	11315.1	11141.4	10940.8	11071.9	11259.8	11255.1	11064.0	10997.7
47.5°	11653.1	11706.8	11950.1	12054.3	11866.3	11597.8	11782.6	12048.0	12029.0	11819.0	11765.3
50°	12431.8	12488.6	12791.9	12923.0	12747.7	12434.9	12712.9	12946.7	12911.9	12652.9	12657.6
52.5°	13409.5	13406.3	13783.8	14011.2	13831.2	13554.8	13810.6	14038.1	13894.3	13535.8	13524.8
55°	14265.5	14317.6	14785.2	15216.3	15205.3	15099.5	15202.1	15211.6	14800.9	14324.0	14265.5
57.5°	14827.8	14927.3	15585.9	16366.2	16950.6	17091.1	16892.1	16288.8	15326.9	14564.0	14470.8
60°	14481.9	14633.5	15668.1	17258.6	18980.1	19806.2	18683.2	16811.6	14917.8	13854.9	13728.5
62.5°	12147.5	12403.4	13918.0	16827.4	20727.0	23142.0	19981.5	15972.9	13291.0	11826.9	11610.5
65°	7398.1	7668.2	9494.0	13850.1	20444.3	25782.8	19389.2	13257.8	9700.9	7879.8	7646.1
67.5°	2465.5	2544.5	3620.1	7655.6	16067.7	23165.7	16094.5	7936.7	4221.8	2798.8	2716.6
70°	965.0	972.9	1148.3	2219.1	7587.6	15911.3	8372.6	2258.6	1200.4	949.2	969.8
72.5°	709.2	712.3	761.3	927.1	1977.5	7009.6	2048.5	931.9	740.8	664.9	664.9
75°	570.2	570.2	604.9	676.0	886.1	1607.9	898.7	668.1	579.7	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	410.7	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)