

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: P316487

Luminaire Tested: **GAN-SA3C-740-U-5MQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316487
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-6)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA3C-740-U-5MQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 70 CRI, 4000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V
MEDIUM OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 22684 lumens
Efficiency: N/A
Efficacy: 136.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

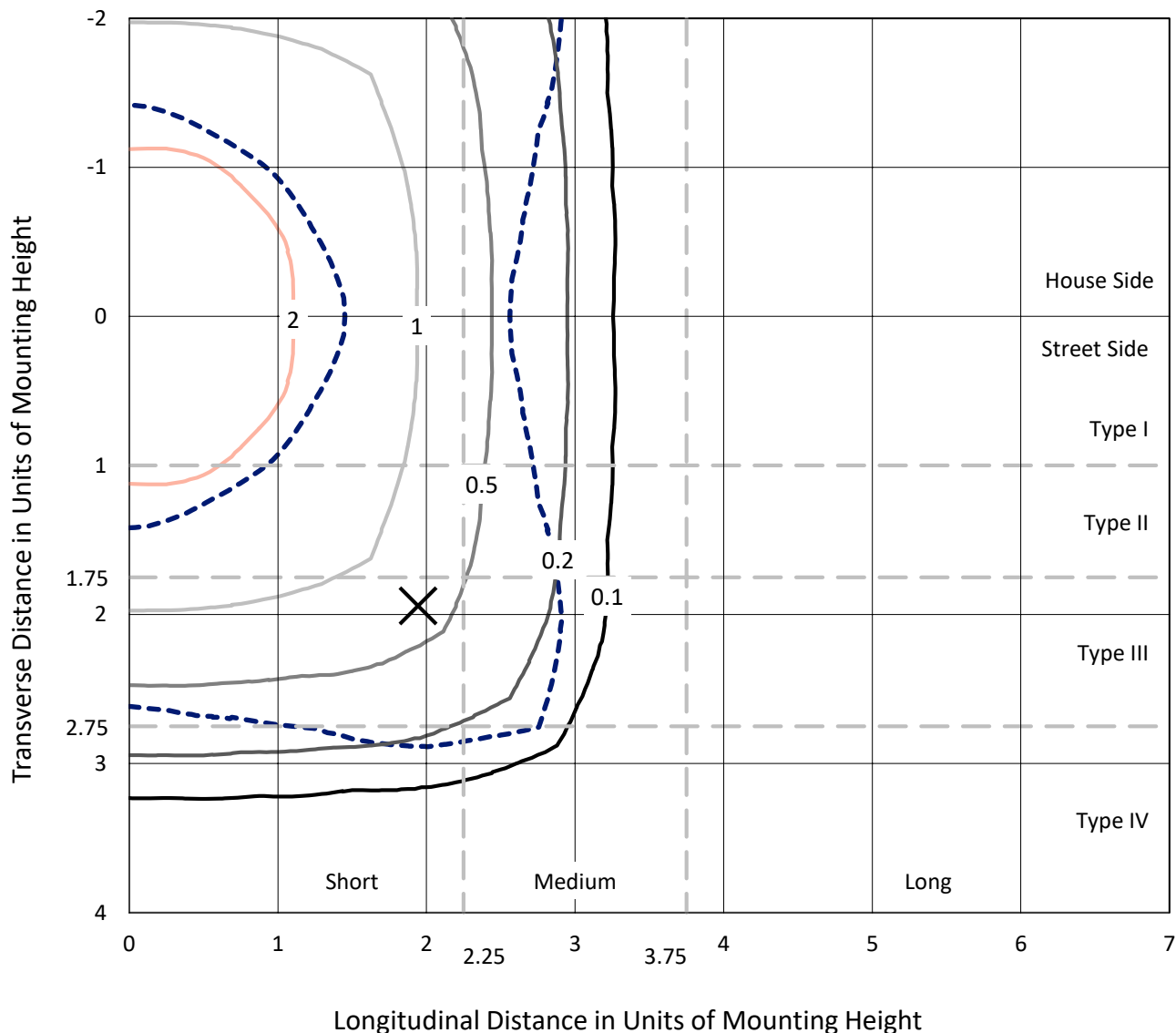
Input Watts (W): 166
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

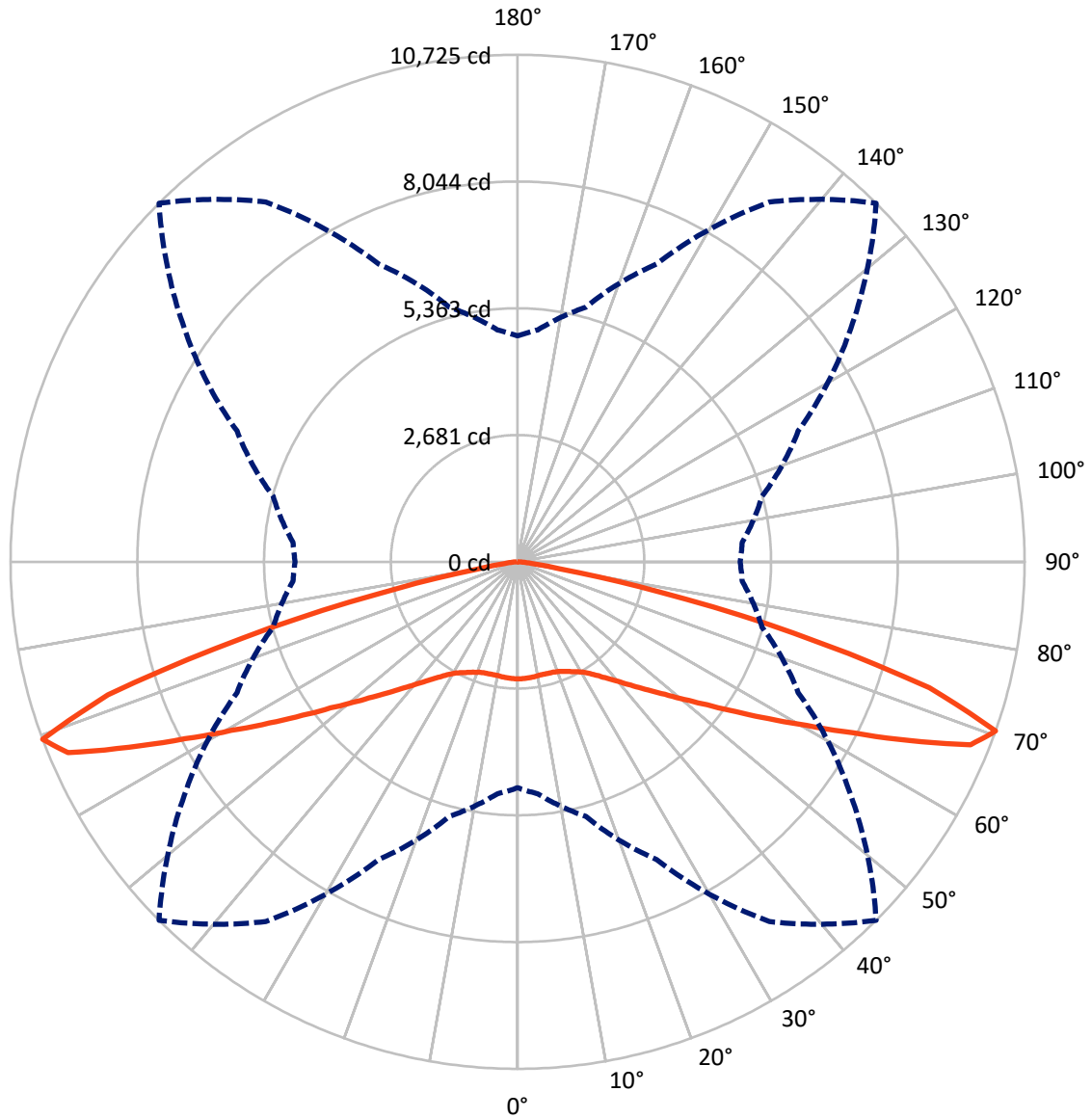
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4 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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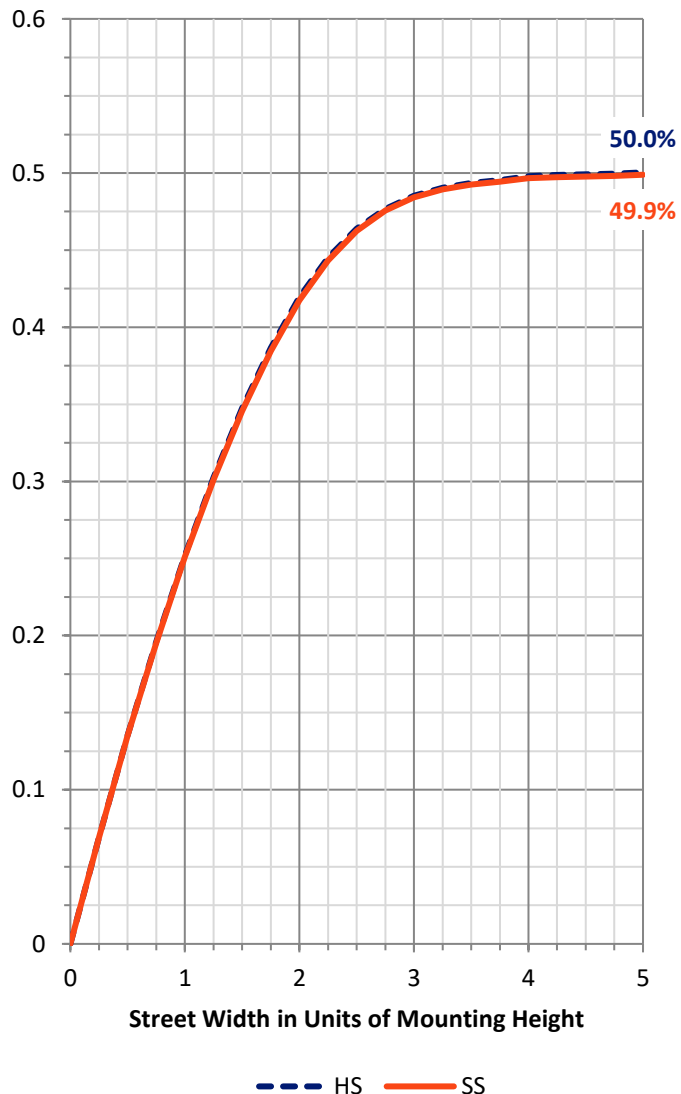
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	11342.0	0.0	11342.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	11342.0	0.0	11342.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	22684.0	0.0	22684.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	234.6	1.0
10°-20°	688.8	3.0
20°-30°	1172.6	5.2
30°-40°	1859.8	8.2
40°-50°	3026.4	13.3
50°-60°	4990.1	22.0
60°-70°	7325.5	32.3
70°-80°	3239.3	14.3
80°-90°	146.7	0.6
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°	22684.0	100.0
0°-180°	22684.0	100.0

Coefficient of Utilization



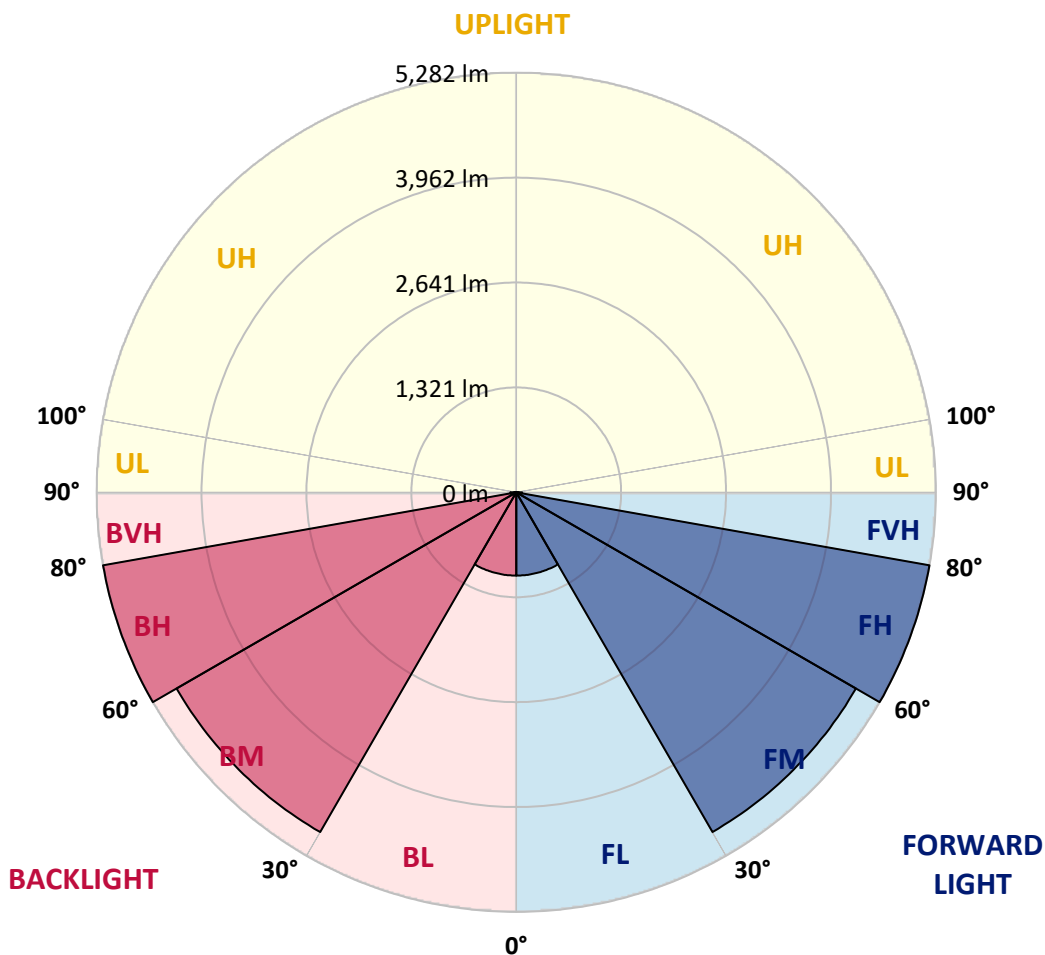
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1048.1	4.6			
FM (30°-60°)	4938.1	21.8			
FH (60°-80°)	5282.4	23.3			G3/7500
FVH (80°-90°)	73.3	0.3			G1/100
BL (0°-30°)	1048.1	4.6	B3/2500		
BM (30°-60°)	4938.1	21.8	B3/5000		
BH (60°-80°)	5282.4	23.3	B5		G3/7500
BVH (80°-90°)	73.3	0.3			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°	2477.4	2477.4	2477.4	2477.4	2477.4	2477.4	2477.4	2477.4	2477.4	2477.4	2477.4
2.5°	2473.7	2471.4	2476.7	2475.9	2471.4	2472.2	2472.2	2474.4	2474.4	2472.9	2472.9
5°	2464.7	2463.2	2469.2	2469.2	2464.7	2466.2	2467.7	2469.9	2469.2	2467.7	2466.9
7.5°	2453.4	2452.7	2458.7	2458.7	2455.7	2457.2	2455.7	2456.4	2454.9	2453.4	2451.2
10°	2434.7	2436.2	2441.4	2442.9	2442.9	2443.7	2442.2	2438.4	2436.2	2433.9	2431.7
12.5°	2417.4	2416.6	2424.1	2427.9	2433.9	2440.7	2436.2	2425.6	2421.1	2416.6	2415.1
15°	2406.1	2406.9	2414.4	2421.1	2431.7	2445.9	2440.7	2424.1	2415.1	2409.9	2408.4
17.5°	2403.9	2405.4	2415.1	2427.1	2438.4	2454.2	2451.2	2434.7	2419.6	2409.9	2407.6
20°	2409.1	2409.9	2424.9	2442.2	2461.7	2476.7	2469.9	2451.9	2431.7	2416.6	2412.9
22.5°	2418.9	2421.9	2440.7	2467.7	2497.7	2518.0	2509.7	2478.9	2447.4	2428.6	2423.4
25°	2449.7	2450.4	2475.9	2512.7	2548.8	2572.0	2562.3	2518.7	2478.2	2457.2	2450.4
27.5°	2513.5	2515.7	2541.3	2584.1	2614.8	2629.8	2623.8	2588.6	2554.0	2531.5	2533.8
30°	2605.8	2608.8	2637.4	2684.7	2703.4	2707.2	2705.7	2689.2	2657.6	2627.6	2629.8
32.5°	2718.4	2719.9	2758.2	2801.0	2816.0	2819.0	2816.0	2801.0	2763.5	2722.9	2725.2
35°	2863.3	2867.8	2904.6	2945.9	2957.9	2963.9	2958.7	2939.2	2900.1	2860.3	2858.8
37.5°	3042.0	3042.8	3081.0	3123.8	3138.8	3140.4	3134.3	3121.6	3072.8	3036.7	3034.5
40°	3249.2	3252.2	3297.3	3343.1	3349.1	3342.3	3350.6	3343.1	3292.8	3251.5	3258.2
42.5°	3501.5	3508.2	3562.3	3607.3	3590.0	3586.3	3591.5	3593.8	3553.3	3503.0	3498.5
45°	3795.0	3801.0	3868.6	3904.6	3893.3	3868.6	3879.1	3897.1	3840.8	3778.5	3784.5
47.5°	4129.8	4144.8	4216.9	4250.7	4222.9	4189.1	4209.4	4236.4	4170.4	4093.0	4089.3
50°	4502.2	4521.0	4617.1	4664.4	4636.6	4574.3	4608.0	4626.1	4530.7	4430.9	4422.6
52.5°	4899.3	4918.1	5039.0	5136.6	5118.6	5021.7	5069.0	5050.2	4940.6	4806.2	4795.7
55°	5349.0	5356.5	5487.2	5644.8	5662.8	5591.5	5588.5	5557.7	5395.6	5240.2	5232.7
57.5°	5811.5	5816.7	5985.7	6171.8	6256.7	6256.7	6172.6	6107.3	5891.8	5711.6	5692.9
60°	6310.7	6329.5	6516.4	6769.4	6967.6	7026.2	6877.5	6699.6	6465.4	6245.4	6223.6
62.5°	6755.2	6776.9	7063.0	7439.8	7758.2	7971.4	7608.0	7318.2	6891.8	6539.0	6497.7
65°	6811.5	6870.0	7286.7	7969.1	8681.6	9107.2	8410.6	7696.6	6919.6	6429.3	6387.3
67.5°	6220.6	6319.7	6882.8	7945.1	9417.3	10330.9	8923.3	7480.4	6421.1	5879.1	5832.5
70°	4780.0	4924.1	5573.5	6949.6	9290.4	10725.1	8602.0	6548.7	5353.5	4770.2	4704.9
72.5°	2622.3	2681.6	3265.7	4758.9	7448.1	9114.0	7174.8	4842.3	3550.3	2888.9	2779.2
75°	831.8	852.8	1150.1	1947.4	4213.2	6036.7	4557.7	2376.8	1308.5	964.7	953.4
77.5°	369.4	371.6	415.9	568.3	1451.2	3058.5	1743.2	647.1	445.9	389.6	402.4
80°	233.5	233.5	257.5	281.5	394.9	888.1	471.5	307.8	262.8	244.0	249.2
82.5°	111.9	123.9	167.4	180.2	217.0	298.8	241.7	201.2	175.7	130.6	121.6
85°	73.6	61.6	105.9	119.4	126.1	143.4	140.4	132.9	114.9	65.3	72.8
87.5°	33.0	31.5	54.8	50.3	47.3	36.0	54.1	66.8	64.6	32.3	32.3
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)