

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: P316883

Luminaire Tested: **GAN-SA9B-760-U-5NQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316883
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-SA9B-760-U-5NQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(9) 70 CRI, 5700K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 52698 lumens
Efficiency: N/A
Efficacy: 140.9 lumens/watt
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

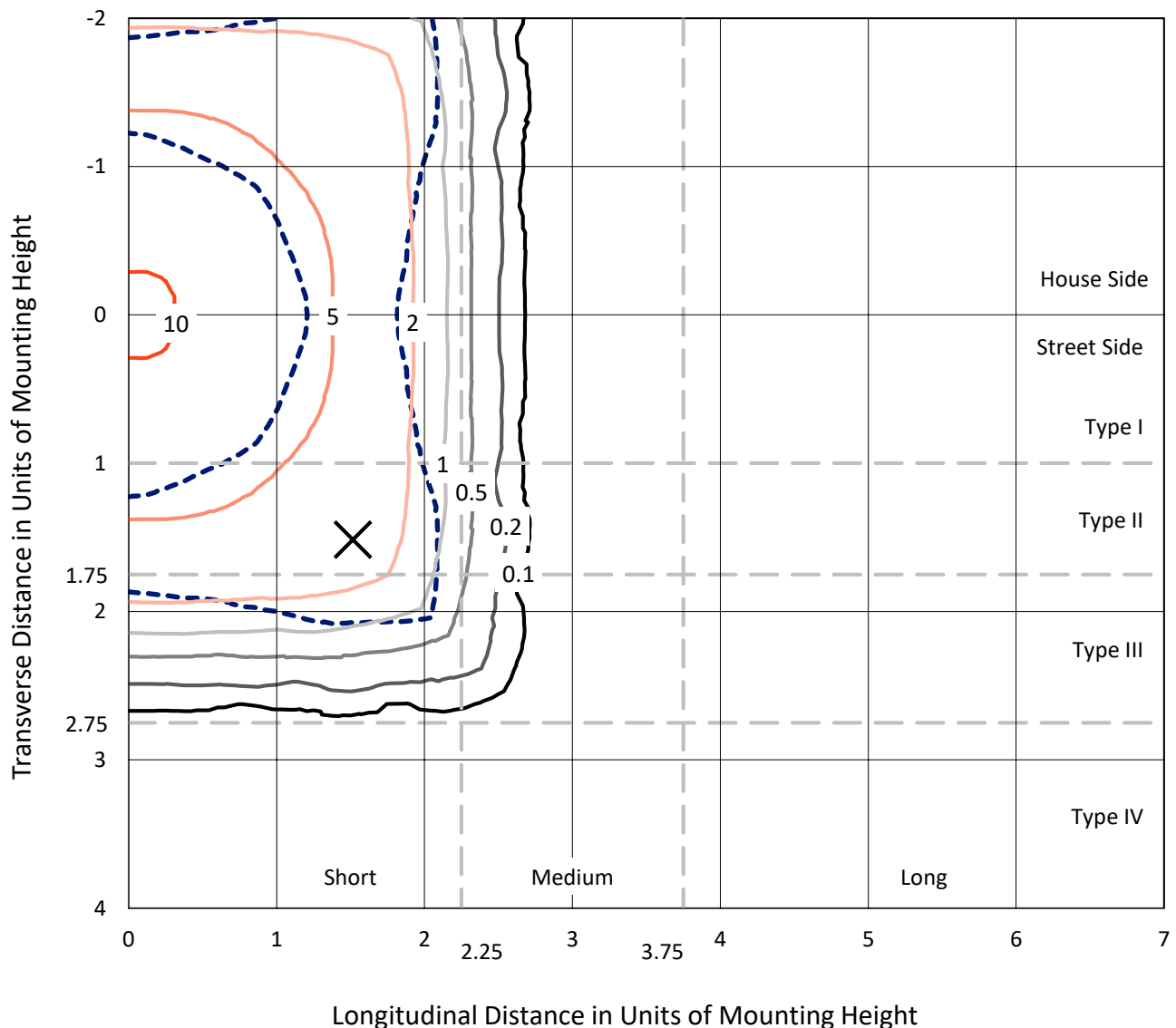
Input Watts (W): 374
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

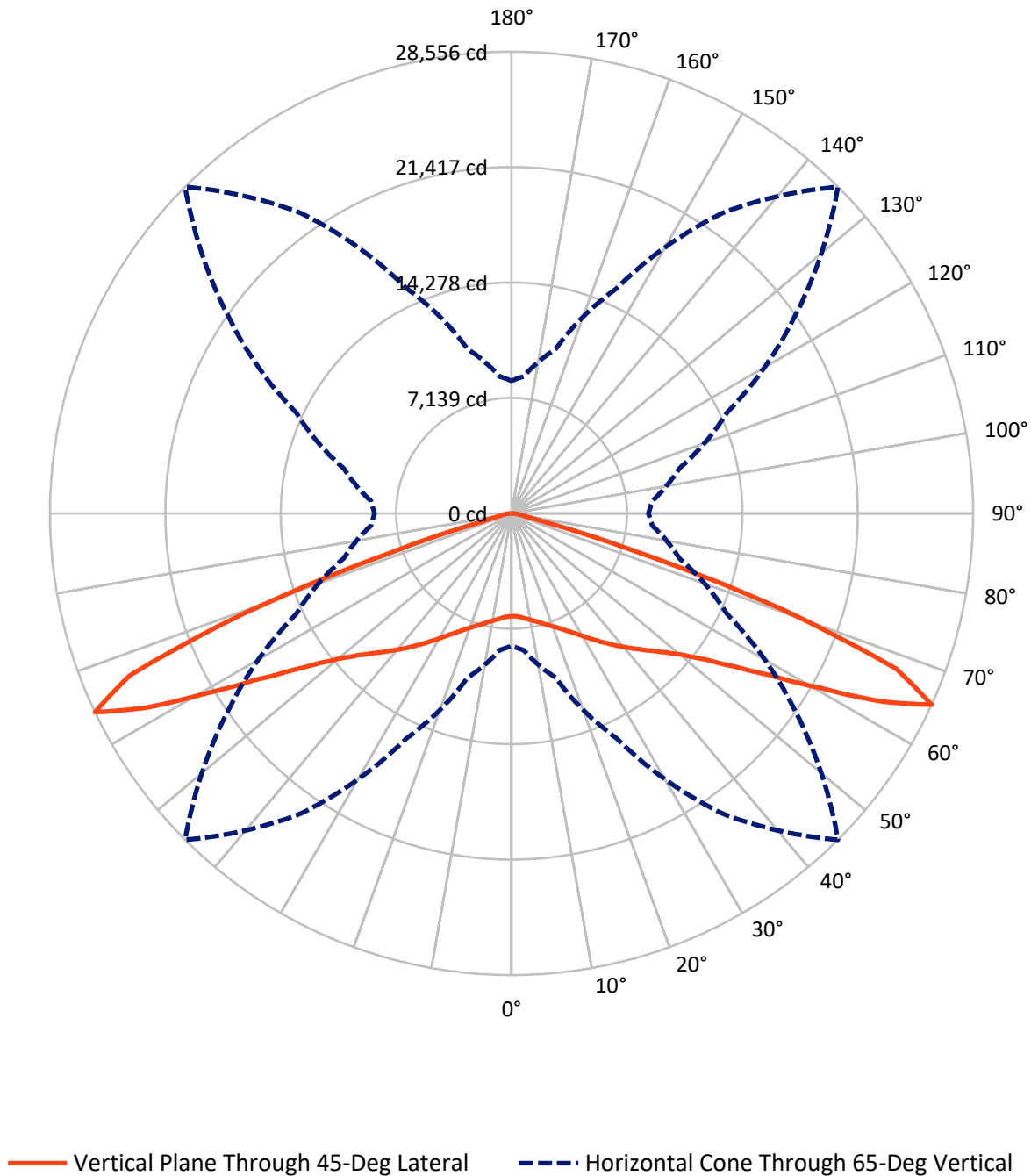
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.3 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	26349.0	0.0	26349.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	26349.0	0.0	26349.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	52698.0	0.0	52698.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	624.4	1.2
10°-20°	2007.0	3.8
20°-30°	3765.4	7.1
30°-40°	6227.3	11.8
40°-50°	9645.2	18.3
50°-60°	14793.0	28.1
60°-70°	13803.5	26.2
70°-80°	1606.5	3.0
80°-90°	225.7	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°	52698.0	100.0
0°-180°	52698.0	100.0

Coefficient of Utilization



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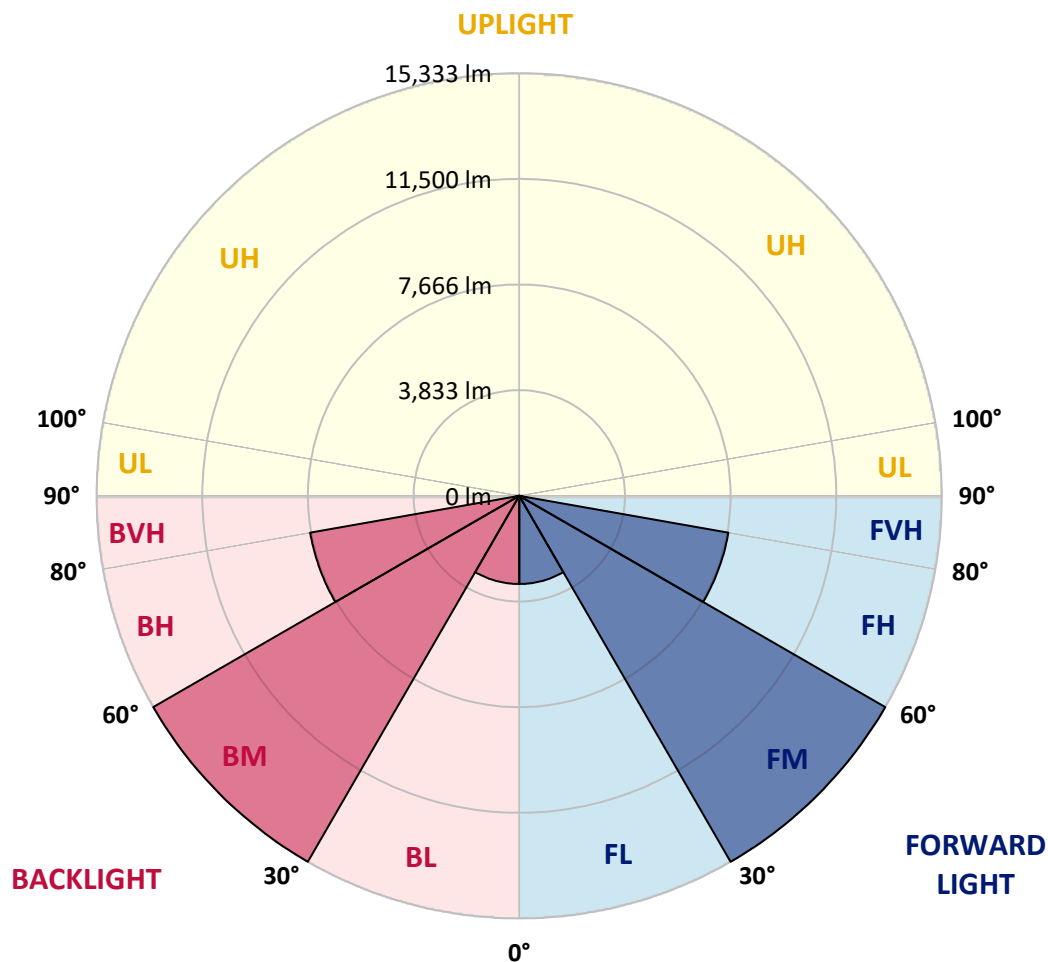
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3198.4	6.1			
FM	(30°-60°)	15332.7	29.1			
FH	(60°-80°)	7705.0	14.6			G4/12000
FVH	(80°-90°)	112.9	0.2			G2/225
BL	(0°-30°)	3198.4	6.1	B4/5000		
BM	(30°-60°)	15332.7	29.1	B5		
BH	(60°-80°)	7705.0	14.6	B5		G4/12000
BVH	(80°-90°)	112.9	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-G4

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	6364.0	6364.0	6364.0	6364.0	6364.0	6364.0	6364.0	6364.0	6364.0	6364.0	6364.0
2.5°	6384.9	6381.4	6384.9	6386.7	6376.2	6381.4	6379.7	6388.4	6391.9	6388.4	6388.4
5°	6458.4	6453.2	6460.2	6468.9	6454.9	6458.4	6453.2	6463.7	6467.2	6460.2	6465.4
7.5°	6559.9	6561.6	6568.6	6584.4	6575.6	6582.6	6572.1	6573.9	6572.1	6561.6	6563.4
10°	6670.1	6671.8	6684.1	6705.1	6708.6	6708.6	6701.6	6696.3	6689.3	6682.3	6684.1
12.5°	6803.0	6811.8	6820.5	6846.8	6846.8	6860.8	6857.3	6843.3	6831.0	6820.5	6820.5
15°	6983.2	6981.5	6991.9	7018.2	7030.4	7053.2	7053.2	7033.9	7018.2	7007.7	7004.2
17.5°	7172.1	7177.4	7184.4	7215.9	7235.1	7261.3	7264.8	7249.1	7238.6	7224.6	7215.9
20°	7392.5	7401.3	7429.3	7441.5	7459.0	7483.5	7492.2	7488.8	7478.3	7471.3	7473.0
22.5°	7649.7	7672.4	7689.9	7707.4	7728.4	7745.9	7754.6	7766.9	7756.4	7751.1	7747.6
25°	7961.1	7976.8	8011.8	8043.3	8057.3	8062.5	8073.0	8090.5	8088.8	8076.5	8076.5
27.5°	8314.4	8344.2	8387.9	8433.4	8433.4	8415.9	8450.9	8480.6	8470.1	8454.4	8433.4
30°	8743.0	8771.0	8821.7	8884.7	8853.2	8841.0	8888.2	8942.4	8926.7	8900.4	8896.9
32.5°	9204.8	9231.1	9297.5	9365.7	9325.5	9308.0	9358.8	9437.5	9409.5	9357.0	9325.5
35°	9705.1	9731.4	9825.8	9908.0	9839.8	9810.1	9852.1	9937.8	9888.8	9790.8	9766.3
37.5°	10249.1	10263.1	10385.6	10469.6	10422.3	10343.6	10396.1	10459.1	10417.1	10298.1	10250.9
40°	10814.2	10864.9	11006.6	11104.6	11022.3	10898.1	10985.6	11073.1	11010.1	10857.9	10777.4
42.5°	11473.7	11512.1	11701.1	11788.5	11655.6	11480.7	11599.6	11718.6	11655.6	11508.6	11438.7
45°	12159.4	12218.9	12444.5	12532.0	12339.6	12117.4	12262.6	12470.8	12465.5	12253.8	12180.4
47.5°	12906.3	12965.8	13235.2	13350.7	13142.5	12845.1	13049.8	13343.7	13322.7	13090.0	13030.5
50°	13768.7	13831.7	14167.6	14312.8	14118.6	13772.2	14080.1	14339.0	14300.5	14013.6	14018.9
52.5°	14851.6	14848.1	15266.1	15518.0	15318.6	15012.5	15295.9	15547.8	15388.6	14991.5	14979.2
55°	15799.7	15857.4	16375.2	16852.7	16840.5	16723.3	16837.0	16847.5	16392.7	15864.4	15799.7
57.5°	16422.4	16532.6	17262.1	18126.2	18773.5	18929.2	18708.8	18040.5	16975.2	16130.3	16027.1
60°	16039.3	16207.3	17353.0	19114.6	21021.3	21936.2	20692.5	18619.5	16522.1	15344.9	15204.9
62.5°	13453.9	13737.2	15414.8	18637.0	22956.1	25630.7	22130.4	17690.7	14720.4	13098.8	12859.1
65°	8193.7	8492.8	10515.0	15339.6	22642.9	28555.6	21474.4	14683.6	10744.2	8727.3	8468.4
67.5°	2730.7	2818.1	4009.4	8478.9	17795.6	25657.0	17825.4	8790.2	4675.9	3099.8	3008.8
70°	1068.8	1077.6	1271.7	2457.8	8403.6	17622.4	9273.0	2501.5	1329.5	1051.3	1074.1
72.5°	785.4	788.9	843.2	1026.8	2190.1	7763.4	2268.8	1032.1	820.4	736.5	736.5
75°	631.5	631.5	670.0	748.7	981.4	1780.8	995.4	740.0	642.0	587.8	580.8
77.5°	498.6	509.0	538.8	589.5	664.7	857.2	689.2	586.0	517.8	467.1	456.6
80°	370.9	381.3	430.3	454.8	477.6	594.8	509.0	458.3	409.3	349.9	339.4
82.5°	243.2	253.6	314.9	328.9	323.6	388.3	342.9	337.6	300.9	225.7	215.2
85°	159.2	162.7	209.9	218.7	201.2	176.7	218.7	230.9	209.9	146.9	141.7
87.5°	75.2	75.2	106.7	99.7	91.0	73.5	99.7	117.2	119.0	71.7	70.0
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)