

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: P316249

Luminaire Tested: **GAN-SA5C-760-U-5WQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316249
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-SA5C-760-U-5WQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(5) 70 CRI, 5700K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 37235 lumens
Efficiency: N/A
Efficacy: 133.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

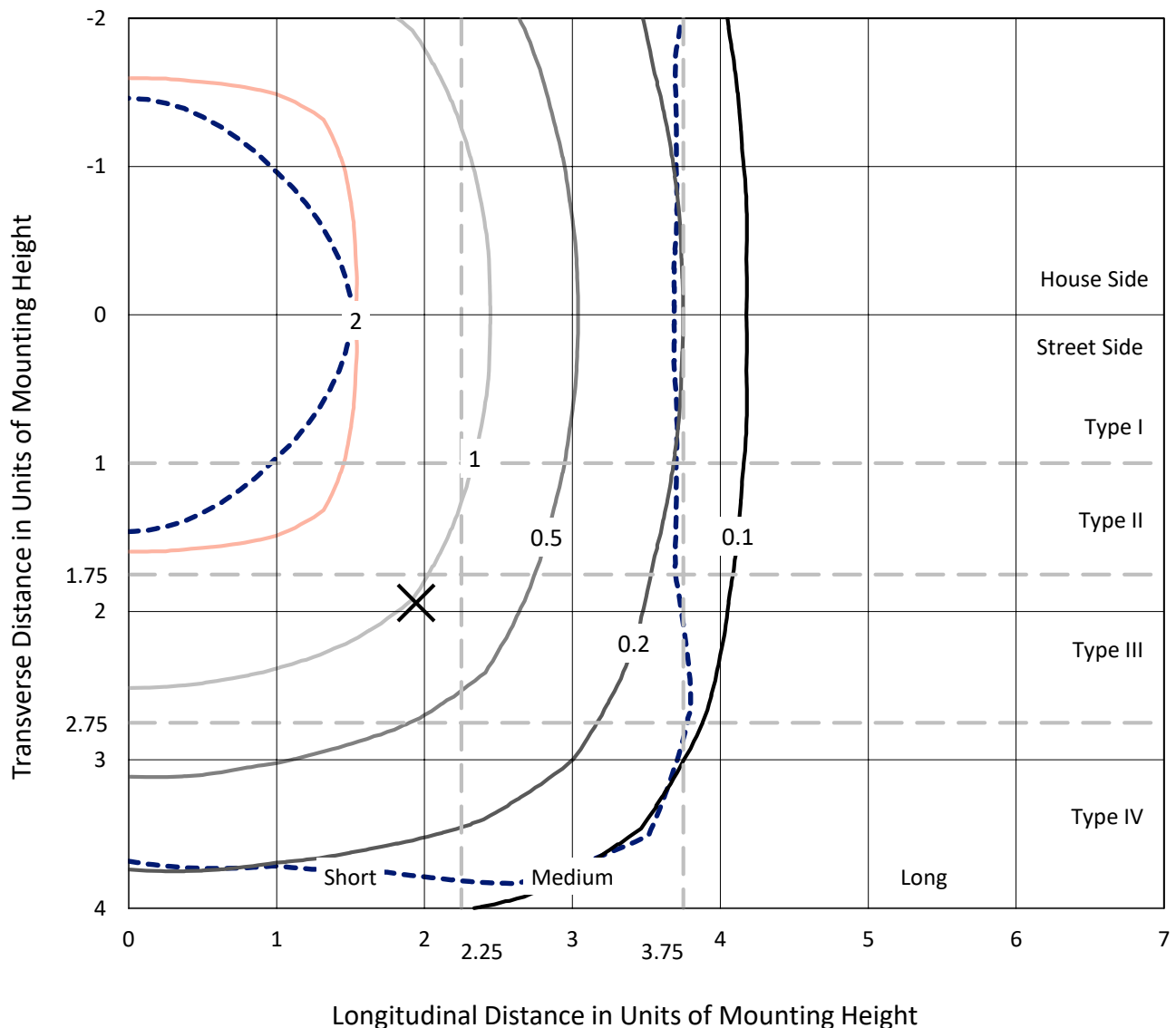
Input Watts (W): 279
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

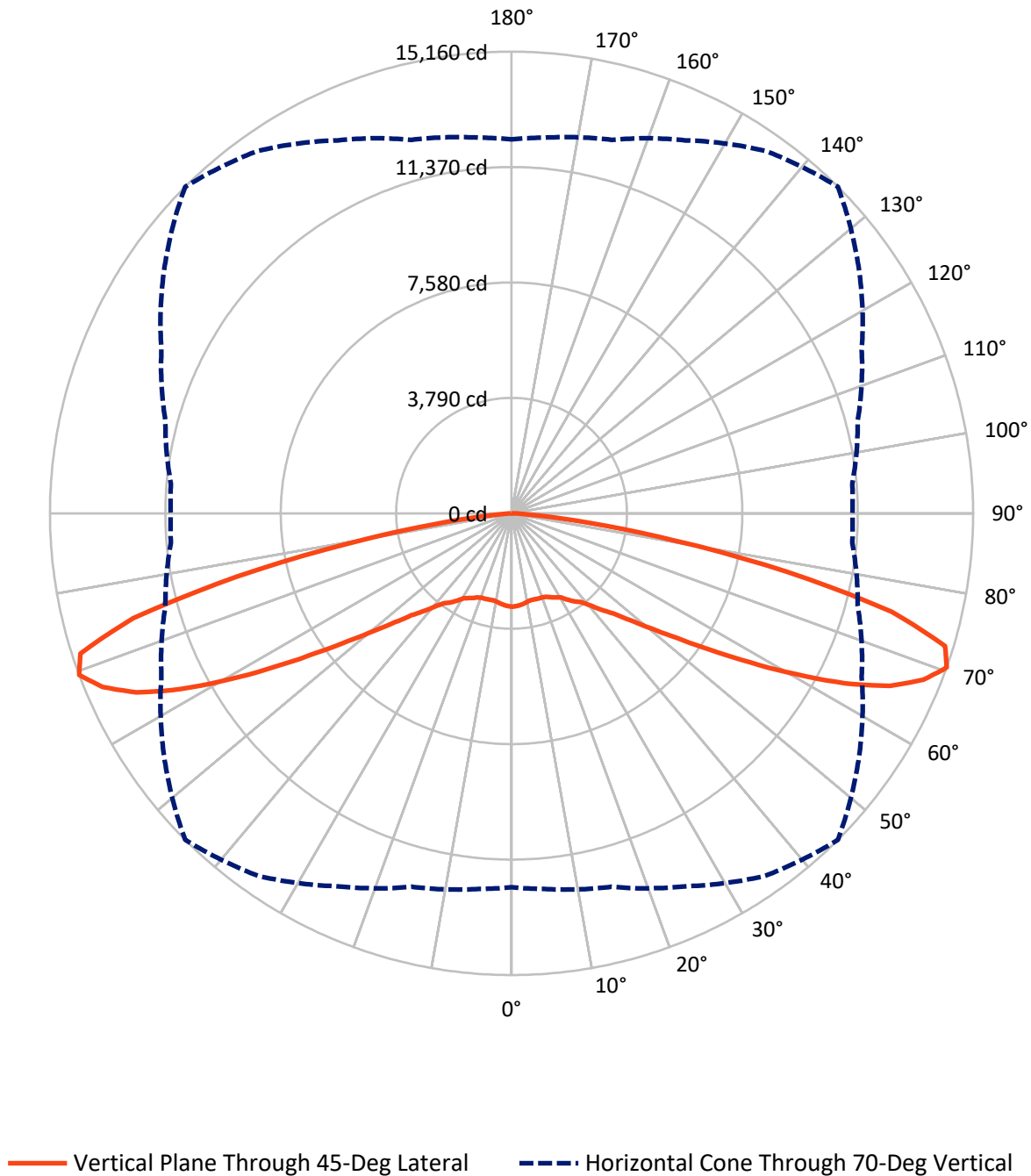
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.9 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	18617.5	0.0	18617.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	18617.5	0.0	18617.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	37235.0	0.0	37235.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	286.0	0.8
10°-20°	835.5	2.2
20°-30°	1424.4	3.8
30°-40°	2225.7	6.0
40°-50°	3772.1	10.1
50°-60°	6878.7	18.5
60°-70°	11842.1	31.8
70°-80°	9282.3	24.9
80°-90°	688.3	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°	37235.0	100.0
0°-180°	37235.0	100.0

Coefficient of Utilization



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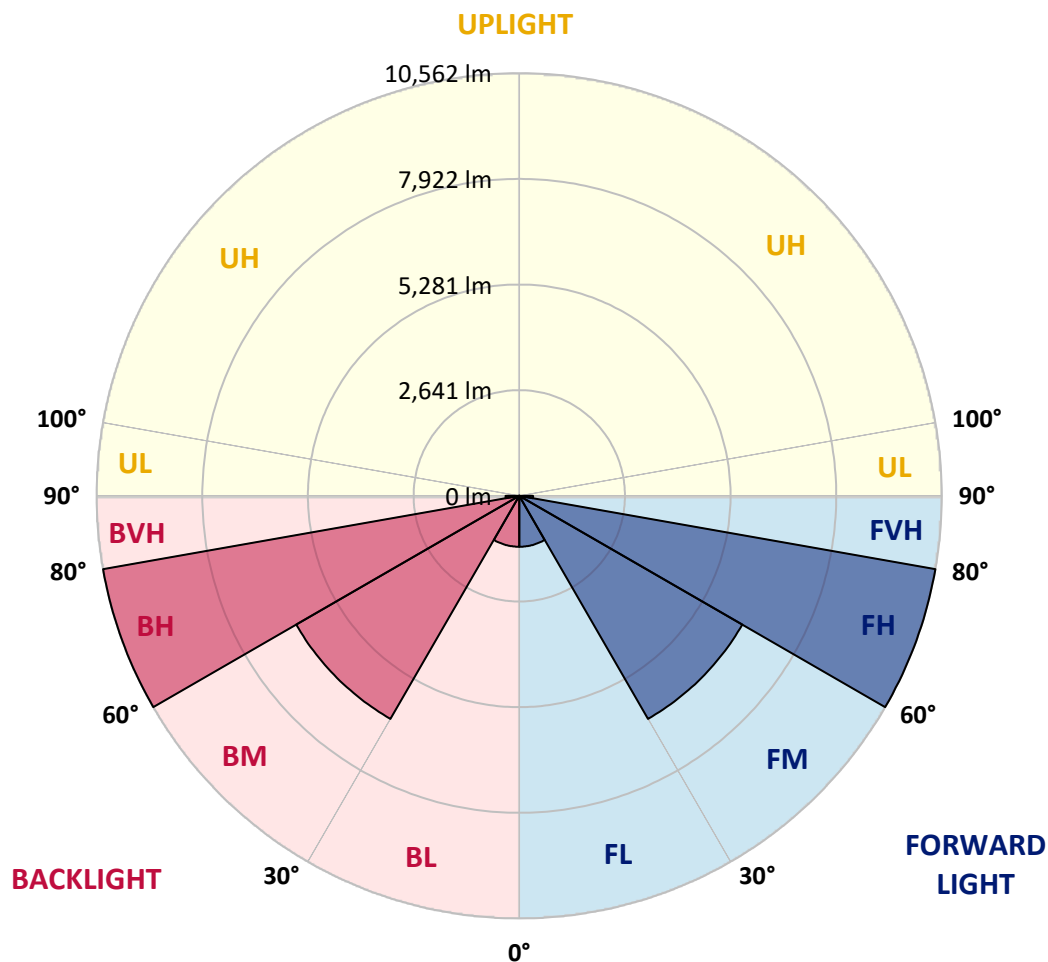
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1273.0	3.4			
FM	(30°-60°)	6438.2	17.3			
FH	(60°-80°)	10562.2	28.4			G4/12000
FVH	(80°-90°)	344.1	0.9			G3/500
BL	(0°-30°)	1273.0	3.4	B3/2500		
BM	(30°-60°)	6438.2	17.3	B4/8500		
BH	(60°-80°)	10562.2	28.4	B5		G4/12000
BVH	(80°-90°)	344.1	0.9			G3/500
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°	3064.4	3064.4	3064.4	3064.4	3064.4	3064.4	3064.4	3064.4	3064.4	3064.4	3064.4
2.5°	3050.9	3054.6	3050.9	3053.4	3047.2	3049.7	3049.7	3049.7	3048.4	3049.7	3047.2
5°	3023.8	3026.3	3021.3	3023.8	3020.1	3023.8	3025.0	3023.8	3021.3	3022.6	3017.6
7.5°	2983.2	2985.6	2981.9	2985.6	2980.7	2986.8	2985.6	2981.9	2978.2	2978.2	2973.3
10°	2961.0	2962.2	2952.4	2948.7	2937.6	2940.0	2943.7	2947.4	2951.1	2958.5	2957.3
12.5°	2962.2	2962.2	2947.4	2931.4	2915.4	2919.1	2925.3	2938.8	2953.6	2967.1	2968.4
15°	2974.5	2973.3	2951.1	2925.3	2914.2	2925.3	2929.0	2937.6	2961.0	2984.4	2985.6
17.5°	2983.2	2983.2	2948.7	2919.1	2917.9	2935.1	2933.9	2937.6	2963.4	2997.9	2999.2
20°	2999.2	2999.2	2954.8	2922.8	2922.8	2941.3	2942.5	2948.7	2974.5	3012.7	3018.9
22.5°	3034.9	3036.1	2989.3	2963.4	2965.9	2977.0	2980.7	2990.5	3013.9	3055.8	3063.2
25°	3085.4	3087.8	3039.8	3025.0	3033.7	3054.6	3052.1	3059.5	3085.4	3126.0	3133.4
27.5°	3155.6	3149.4	3105.1	3098.9	3107.6	3122.3	3121.1	3122.3	3143.3	3180.2	3188.8
30°	3246.7	3244.3	3212.2	3215.9	3212.2	3207.3	3208.6	3218.4	3229.5	3259.1	3267.7
32.5°	3335.4	3337.9	3318.2	3336.6	3363.7	3382.2	3353.9	3326.8	3314.5	3330.5	3337.9
35°	3495.5	3501.7	3470.9	3458.6	3495.5	3549.7	3469.7	3425.3	3450.0	3470.9	3477.1
37.5°	3767.7	3771.4	3719.7	3670.4	3643.3	3695.1	3615.0	3618.7	3704.9	3744.3	3743.1
40°	4078.1	4079.4	4044.9	4001.8	3955.0	3967.3	3935.3	3945.1	4001.8	4037.5	4047.3
42.5°	4447.6	4443.9	4389.7	4328.2	4314.6	4326.9	4272.7	4265.3	4330.6	4394.7	4395.9
45°	4926.8	4918.1	4847.9	4780.2	4714.9	4687.8	4674.3	4710.0	4799.9	4859.0	4860.3
47.5°	5442.8	5419.4	5382.5	5328.3	5271.6	5244.5	5222.4	5239.6	5304.9	5328.3	5330.8
50°	5973.7	5978.6	5986.0	5965.1	5944.1	5935.5	5877.6	5844.4	5864.1	5821.0	5814.8
52.5°	6603.1	6612.9	6684.4	6744.7	6780.5	6798.9	6689.3	6574.8	6510.7	6427.0	6402.3
55°	7345.8	7361.8	7466.5	7634.0	7806.5	7897.6	7699.3	7485.0	7286.7	7130.3	7079.8
57.5°	8173.5	8201.8	8345.9	8667.4	9020.9	9236.4	8901.4	8512.2	8129.2	7903.8	7864.3
60°	9144.1	9171.2	9370.7	9831.4	10404.1	10728.0	10220.6	9583.8	9107.1	8891.6	8818.9
62.5°	10299.4	10301.9	10547.0	11085.2	11841.5	12292.3	11605.0	10753.9	10262.4	10002.6	9932.4
65°	11542.2	11548.3	11802.1	12383.4	13165.5	13655.8	12879.8	11993.0	11391.9	11008.8	10954.7
67.5°	12420.4	12446.2	12713.5	13413.1	14144.7	14586.9	13783.8	12781.3	12086.6	11629.6	11584.0
70°	12280.0	12381.0	12695.0	13511.6	14529.0	15159.6	13930.4	12687.6	11771.3	11231.8	11193.6
72.5°	10709.5	10902.9	11321.7	12393.3	14020.3	14888.7	13131.1	11363.6	10326.5	9867.1	9798.1
75°	7292.8	7606.9	8238.8	9784.5	11978.2	12890.9	11054.4	9060.3	8084.8	7449.3	7402.5
77.5°	3251.7	3323.1	4123.7	5903.5	8265.9	9257.4	8031.9	5926.9	4448.9	3548.5	3358.8
80°	906.5	917.6	1224.3	2198.6	4137.2	5439.1	4441.5	2309.4	1298.2	915.1	862.2
82.5°	288.2	312.8	381.8	570.3	1390.6	2481.9	1427.5	615.8	438.5	349.8	315.3
85°	140.4	139.2	193.4	231.6	354.7	549.3	378.1	285.8	250.0	166.3	150.3
87.5°	59.1	60.4	89.9	81.3	103.5	88.7	121.9	128.1	134.3	73.9	64.0
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)