

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: P317248

Luminaire Tested: **GAN-SA4C-827-U-RW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P317248
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-7)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA4C-827-U-RW
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(4) 80 CRI, 2700K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21440 lumens
Efficiency: N/A
Efficacy: 95.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B4 - U0 - G4

Input Watts (W): 225
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



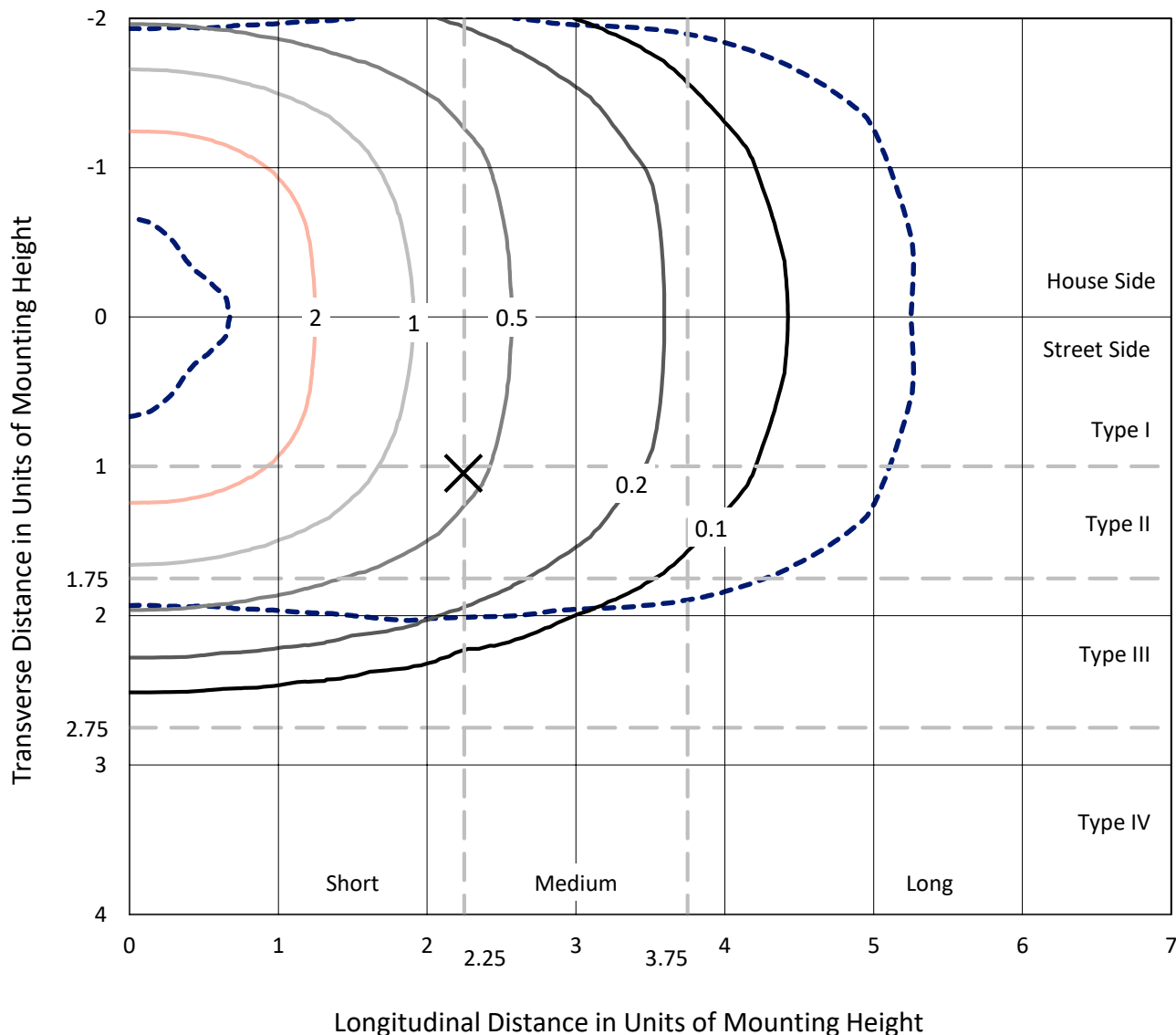
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

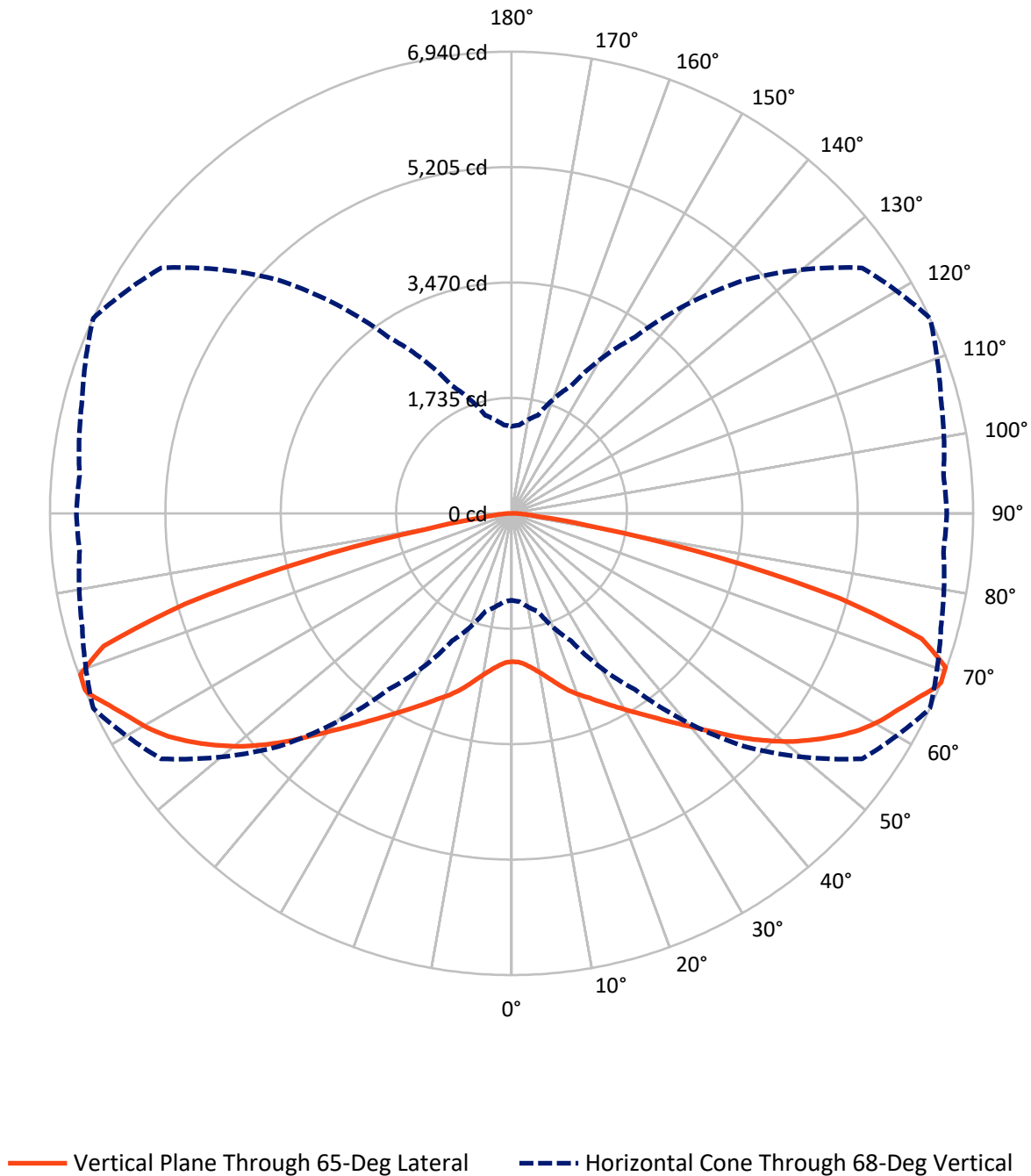


Based on 25 foot mounting height. Maximum calculated value = 4 fc

Type III - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10720.0	0.0	10720.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	10720.0	0.0	10720.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	21440.0	0.0	21440.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	218.3	1.0
10°-20°	730.8	3.4
20°-30°	1424.9	6.6
30°-40°	2393.8	11.2
40°-50°	3771.7	17.6
50°-60°	5044.0	23.5
60°-70°	4903.4	22.9
70°-80°	2680.5	12.5
80°-90°	272.6	1.3
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°	21440.0	100.0
0°-180°	21440.0	100.0

Coefficient of Utilization



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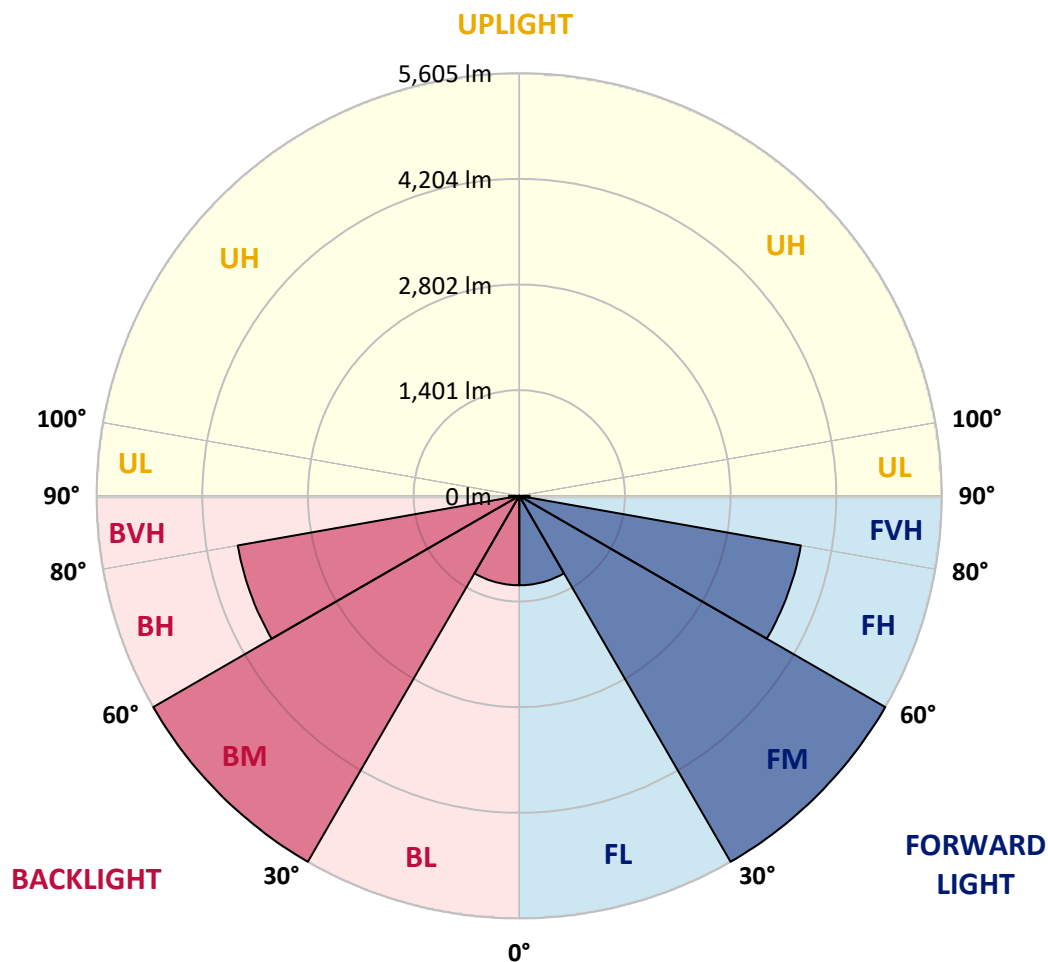
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1187.0	5.5			
FM	(30°-60°)	5604.7	26.1			
FH	(60°-80°)	3791.9	17.7			G2/5000
FVH	(80°-90°)	136.3	0.6			G2/225
BL	(0°-30°)	1187.0	5.5	B3/2500		
BM	(30°-60°)	5604.7	26.1	B4/8500		
BH	(60°-80°)	3791.9	17.7	B4/5000		G4/5000
BVH	(80°-90°)	136.3	0.6			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G4

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2229.3	2229.3	2229.3	2229.3	2229.3	2229.3	2229.3	2229.3	2229.3	2229.3	2229.3
2.5°	2213.4	2214.2	2217.8	2222.1	2225.7	2235.0	2237.2	2240.8	2242.2	2245.8	2245.8
5°	2194.0	2195.5	2204.1	2215.6	2228.5	2251.5	2268.1	2286.8	2296.1	2306.2	2305.5
7.5°	2191.9	2195.5	2207.7	2226.4	2247.9	2286.0	2320.6	2357.9	2383.1	2406.1	2404.7
10°	2214.2	2219.9	2237.2	2265.2	2297.5	2345.0	2396.0	2446.4	2490.2	2525.4	2526.9
12.5°	2247.9	2255.1	2282.5	2324.9	2373.8	2434.9	2495.2	2552.0	2612.4	2664.9	2669.2
15°	2292.5	2301.9	2342.8	2406.1	2480.9	2553.5	2618.2	2676.4	2746.1	2818.7	2825.9
17.5°	2358.7	2371.6	2425.5	2511.1	2609.5	2689.3	2756.9	2800.8	2859.0	2933.8	2947.4
20°	2459.3	2475.8	2544.1	2646.2	2766.3	2849.7	2901.4	2910.8	2939.5	3006.4	3022.2
22.5°	2590.1	2604.5	2680.7	2802.2	2936.6	3027.2	3054.5	3017.2	3014.3	3068.2	3083.3
25°	2736.1	2749.0	2837.4	2974.0	3118.5	3218.4	3217.7	3145.1	3094.8	3136.5	3152.3
27.5°	2900.0	2920.1	3004.9	3148.7	3303.3	3401.8	3396.0	3283.9	3188.2	3199.0	3212.7
30°	3088.3	3110.6	3193.3	3339.2	3493.8	3590.1	3582.9	3434.8	3291.0	3262.3	3272.4
32.5°	3322.0	3348.6	3426.9	3570.7	3707.3	3794.3	3773.4	3598.7	3414.7	3352.2	3361.5
35°	3603.0	3618.9	3701.5	3843.1	3953.9	4013.5	3969.7	3788.5	3571.4	3495.9	3495.9
37.5°	3887.7	3899.9	3992.7	4130.0	4237.1	4268.7	4183.2	3996.3	3776.3	3669.2	3671.3
40°	4160.9	4194.0	4298.2	4439.1	4544.8	4553.4	4439.8	4233.5	4004.2	3893.5	3906.4
42.5°	4446.3	4478.6	4603.0	4762.6	4856.1	4870.4	4737.4	4499.5	4261.5	4171.7	4186.1
45°	4700.8	4726.7	4870.4	5055.9	517						