

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: P317098

Luminaire Tested: **GAN-SA4D-730-U-RW**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P317098  
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-SA4D-730-U-RW  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(4) 70 CRI, 3000K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 29137 lumens  
Efficiency: N/A  
Efficacy: 112.9 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B5 - U0 - G5

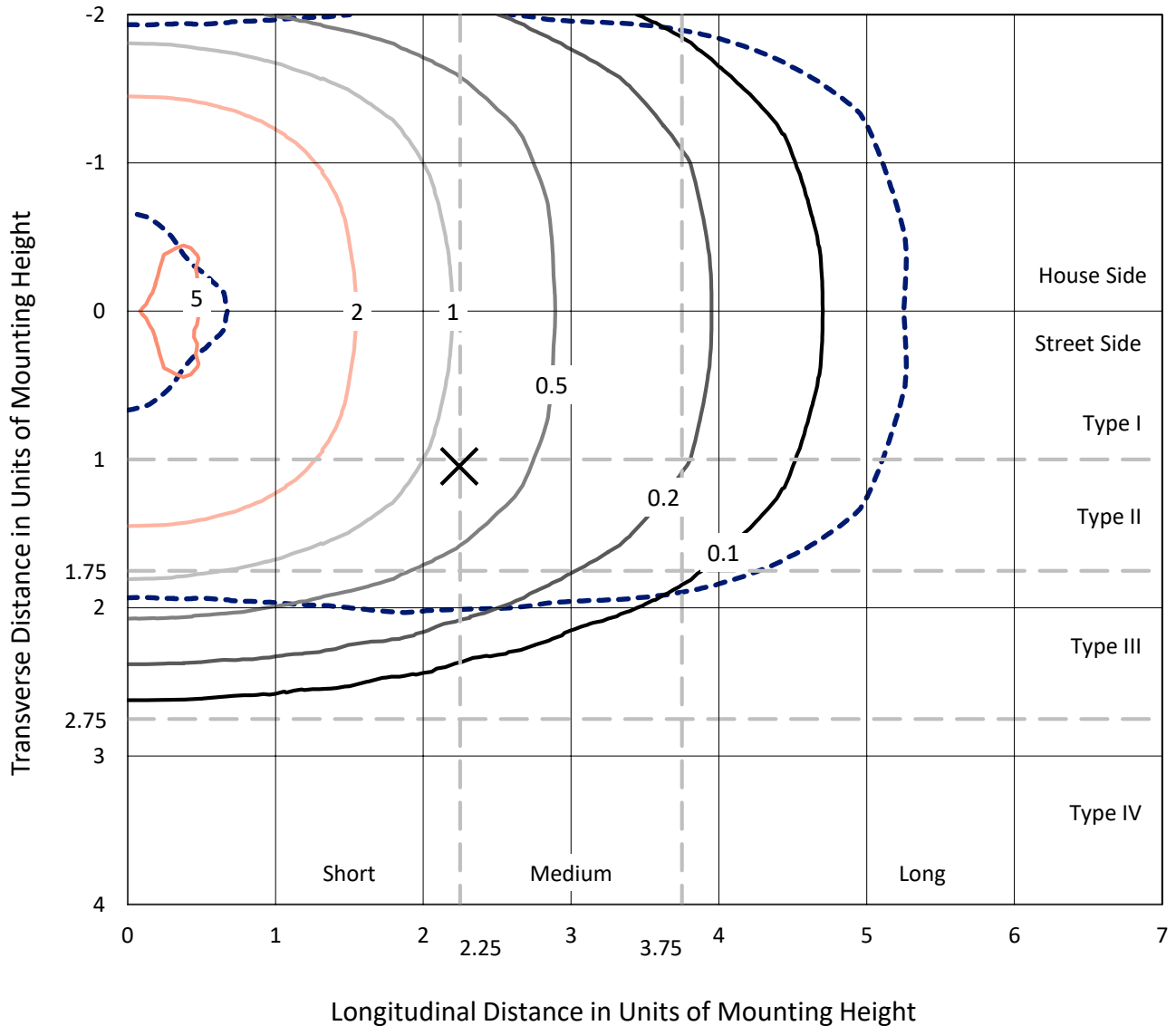
Input Watts (W): 258  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

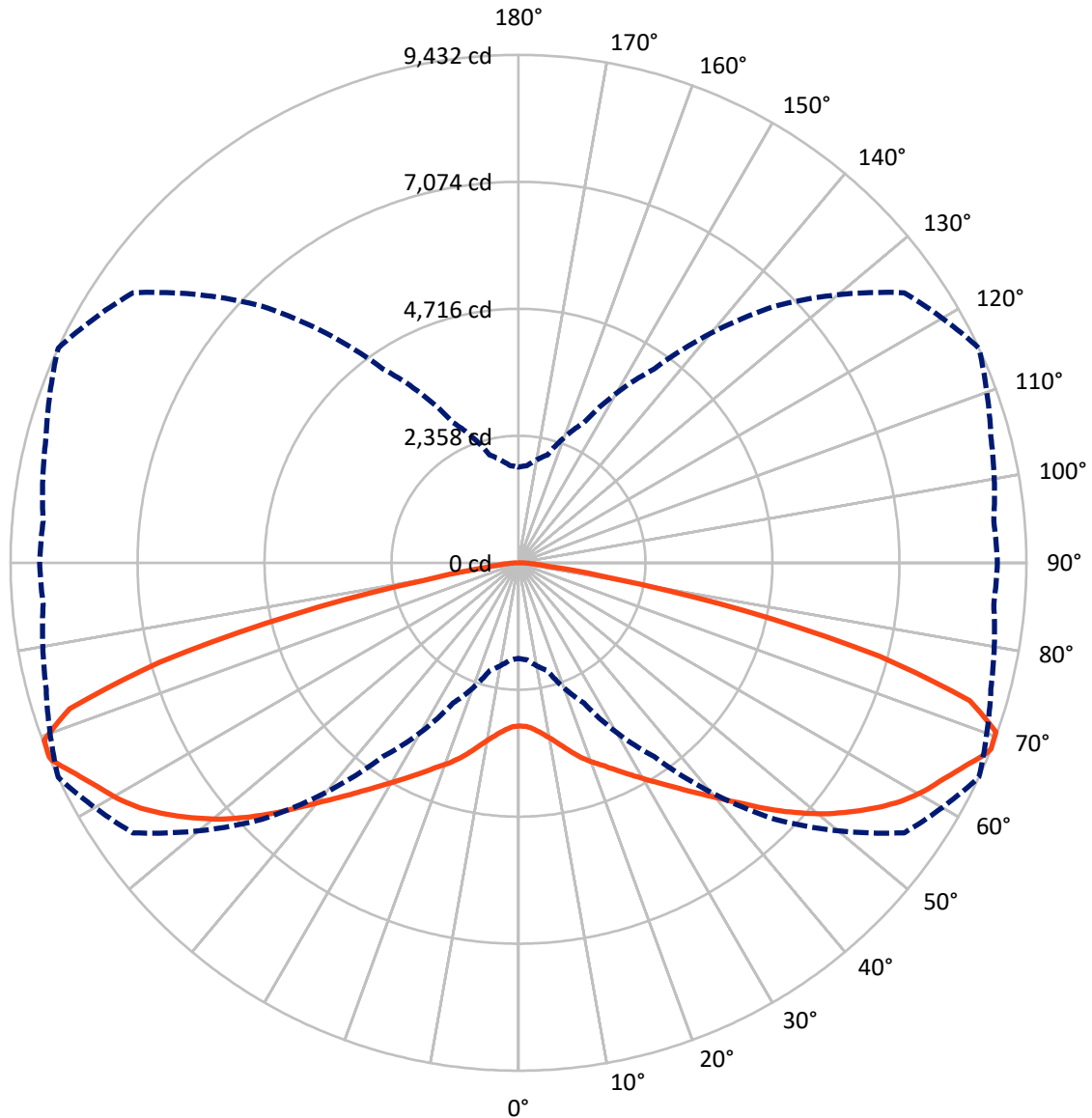
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.5 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral      - - - Horizontal Cone Through 68-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	14568.5	0.0	14568.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	14568.5	0.0	14568.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	29137.0	0.0	29137.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	296.6	1.0
10°-20°	993.2	3.4
20°-30°	1936.5	6.6
30°-40°	3253.1	11.2
40°-50°	5125.8	17.6
50°-60°	6854.8	23.5
60°-70°	6663.8	22.9
70°-80°	3642.7	12.5
80°-90°	370.5	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°	29137.0	100.0
0°-180°	29137.0	100.0

**Coefficient of Utilization**



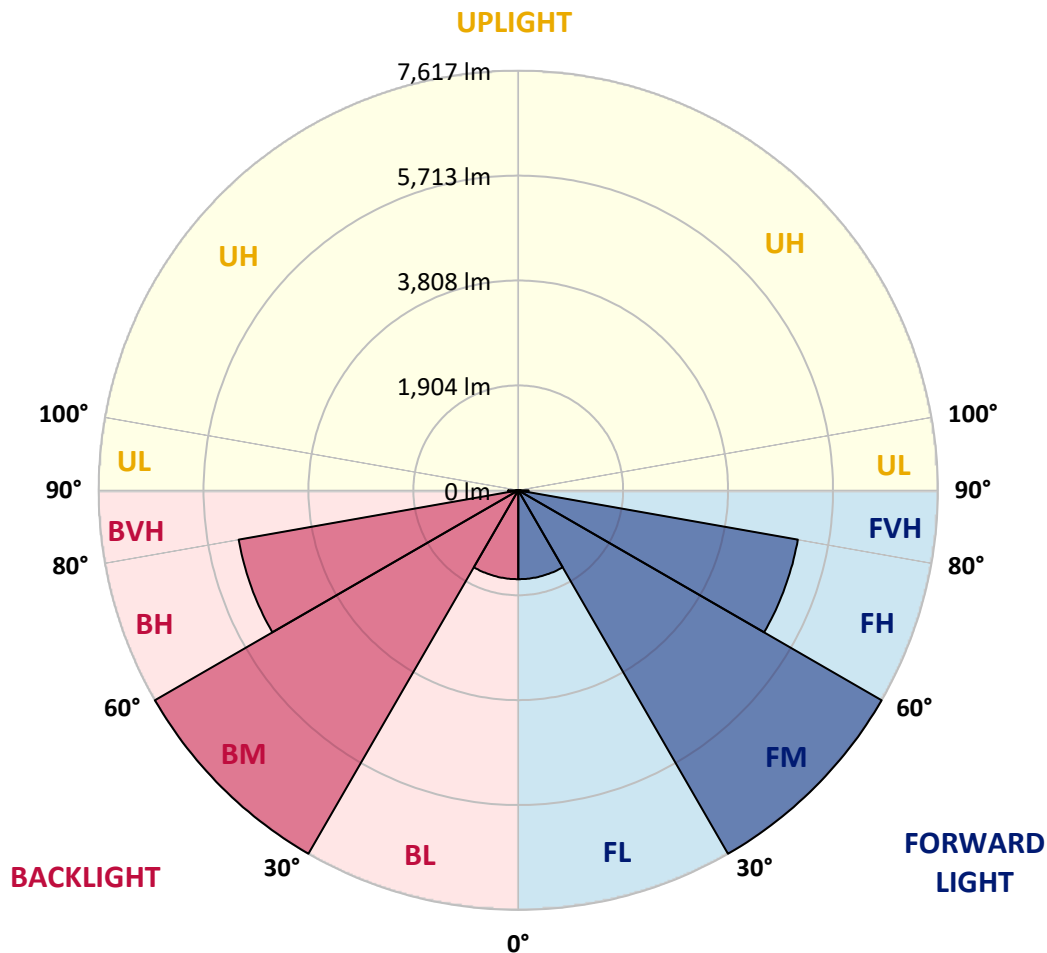
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1613.1	5.5			
FM (30°-60°)	7616.9	26.1			
FH (60°-80°)	5153.3	17.7			G3/7500
FVH (80°-90°)	185.2	0.6			G2/225
BL (0°-30°)	1613.1	5.5	B3/2500		
BM (30°-60°)	7616.9	26.1	B4/8500		
BH (60°-80°)	5153.3	17.7	B5		G5
BVH (80°-90°)	185.2	0.6			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B5-U0-G5**

Type III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3029.6	3029.6	3029.6	3029.6	3029.6	3029.6	3029.6	3029.6	3029.6	3029.6	3029.6
2.5°	3008.1	3009.0	3013.9	3019.8	3024.7	3037.4	3040.3	3045.2	3047.1	3052.0	3052.0
5°	2981.7	2983.6	2995.4	3011.0	3028.6	3059.8	3082.3	3107.7	3120.4	3134.1	3133.1
7.5°	2978.8	2983.6	3000.3	3025.7	3055.0	3106.7	3153.6	3204.4	3238.6	3269.9	3267.9
10°	3009.0	3016.9	3040.3	3078.4	3122.4	3186.9	3256.2	3324.6	3384.2	3432.1	3434.0
12.5°	3055.0	3064.7	3101.9	3159.5	3225.9	3309.0	3391.0	3468.2	3550.3	3621.6	3627.5
15°	3115.5	3128.2	3183.9	3269.9	3371.5	3470.2	3558.1	3637.2	3732.0	3830.7	3840.4
17.5°	3205.4	3223.0	3296.3	3412.5	3546.4	3654.8	3746.7	3806.2	3885.4	3987.0	4005.5
20°	3342.2	3364.7	3457.5	3596.2	3759.4	3872.7	3943.0	3955.7	3994.8	4085.7	4107.2
22.5°	3520.0	3539.5	3643.1	3808.2	3990.9	4114.0	4151.1	4100.3	4096.4	4169.7	4190.2
25°	3718.3	3735.9	3856.1	4041.7	4238.1	4373.9	4372.9	4274.2	4205.8	4262.5	4284.0
27.5°	3941.1	3968.4	4083.7	4279.1	4489.1	4623.0	4615.2	4462.8	4332.8	4347.5	4366.0
30°	4197.0	4227.3	4339.7	4538.0	4748.0	4879.0	4869.2	4667.9	4472.5	4433.5	4447.1
32.5°	4514.5	4550.7	4657.2	4852.6	5038.2	5156.4	5128.1	4890.7	4640.6	4555.6	4568.3
35°	4896.5	4918.0	5030.4	5222.8	5373.3	5454.4	5394.8	5148.6	4853.6	4751.0	4751.0
37.5°	5283.4	5300.0	5426.1	5612.7	5758.2	5801.2	5684.9	5430.9	5132.0	4986.4	4989.4
40°	5654.7	5699.6	5841.3	6032.7	6176.4	6188.1	6033.7	5753.3	5441.7	5291.2	5308.8
42.5°	6042.5	6086.5	6255.5	6472.4	6599.4	6618.9	6438.2	6114.8	5791.4	5669.3	5688.9
45°	6388.4	6423.5	6618.9	6871.0	7029.2	7080.1	6866.1	6529.0	6169.5	6050.3	6055.2
47.5°	6629.7	6675.6	6890.5	7187.5	7418.1	7496.2	7286.2	6932.5	6541.7	6397.2	6409.9
50°	6848.5	6872.9	7090.8	7415.1	7708.2	7869.4	7689.7	7331.1	6917.9	6764.5	6778.2
52.5°	6970.6	7001.9	7212.9	7550.9	7897.8	8157.6	8048.2	7689.7	7281.3	7131.8	7148.4
55°	6885.6	6909.1	7162.1	7581.2	8015.0	8335.4	8352.1	8040.4	7637.9	7507.0	7553.9
57.5°	6498.8	6528.1	6836.8	7385.8	8029.7	8455.6	8580.7	8365.7	7971.0	7864.6	7891.9
60°	5894.0	5912.6	6241.8	6859.3	7744.4	8505.4	8726.2	8631.5	8297.3	8190.9	8228.0
62.5°	4816.4	4843.8	5237.5	6065.0	7141.6	8357.9	8866.9	8851.3	8601.2	8503.5	8536.7
65°	3292.4	3340.2	3776.0	4822.3	6212.5	7906.6	8994.9	9107.2	8869.8	8746.8	8790.7
67.5°	1988.1	2023.3	2338.8	3183.9	4753.9	6996.0	8863.0	9398.4	9059.4	8861.1	8897.2
68°	1777.1	1809.3	2073.1	2873.2	4397.3	6739.1	8742.8	9431.6	9079.9	8859.1	8891.3
70°	1073.7	1095.2	1272.0	1776.1	2931.9	5345.9	7923.2	9404.2	9210.8	8886.5	8905.0
72.5°	699.5	706.3	735.7	911.5	1497.7	2989.5	5946.8	8763.4	9407.2	9045.7	9042.8
75°	581.3	577.4	580.3	600.8	738.6	1311.1	3475.1	6922.8	8967.5	8794.6	8733.1
77.5°	491.4	488.5	487.5	488.5	494.3	633.1	1508.4	4312.3	6862.2	7779.6	7834.3
80°	397.6	393.7	406.4	400.6	383.0	393.7	632.1	1793.7	3234.7	3479.9	3261.1
82.5°	289.2	274.5	329.2	313.6	299.0	277.5	348.8	579.3	771.8	529.5	372.2
85°	222.7	207.1	250.1	240.3	205.2	141.7	207.1	283.3	312.6	178.8	140.7
87.5°	90.9	95.7	180.7	142.6	120.2	68.4	85.0	113.3	152.4	76.2	58.6
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)