

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: P317168

Luminaire Tested: **GAN-SA4C-750-U-RW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P317168
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-750-U-RW
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(4) 70 CRI, 5000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 29164 lumens
Efficiency: N/A
Efficacy: 129.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B5 - U0 - G5

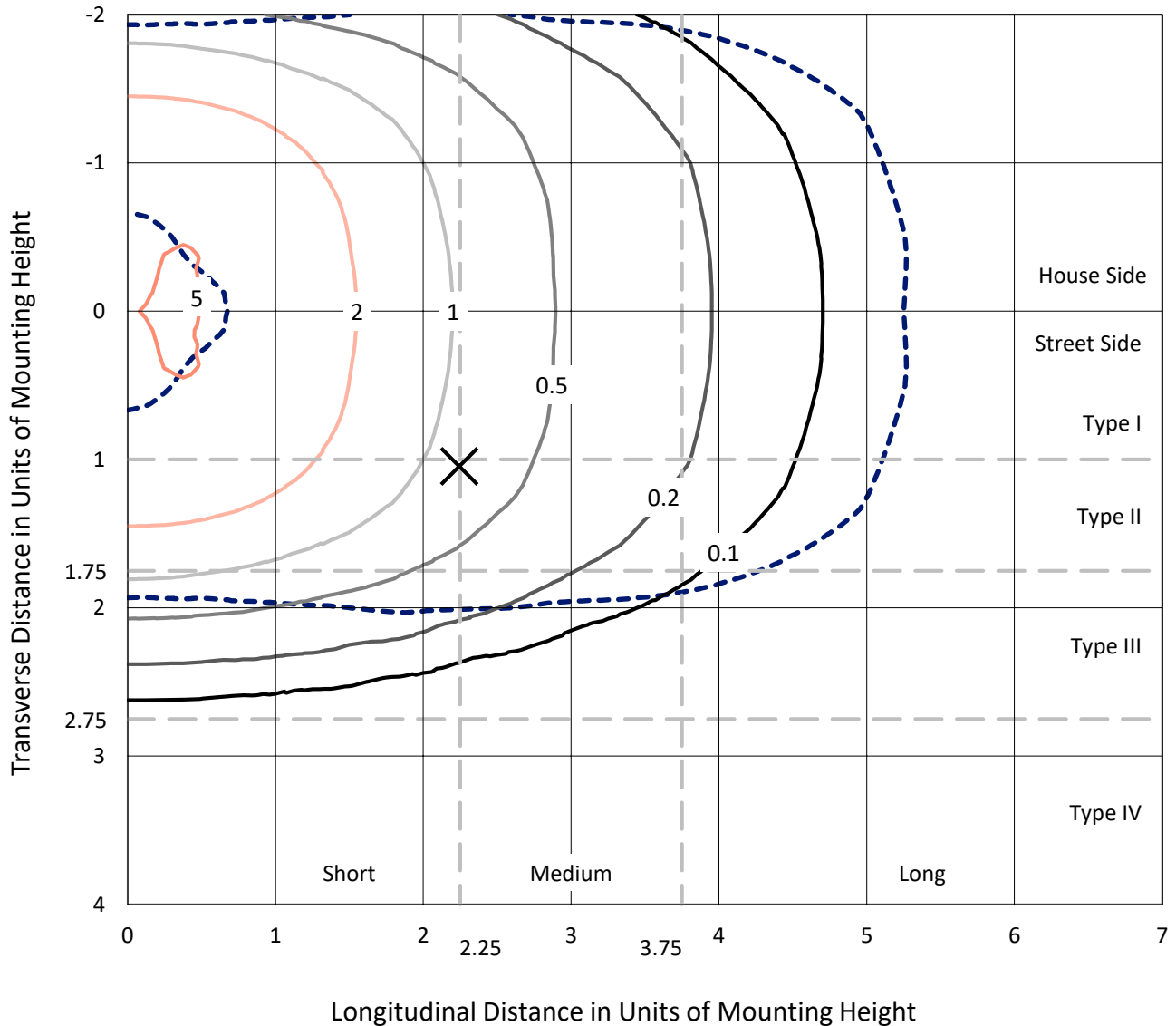
Input Watts (W): 225
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

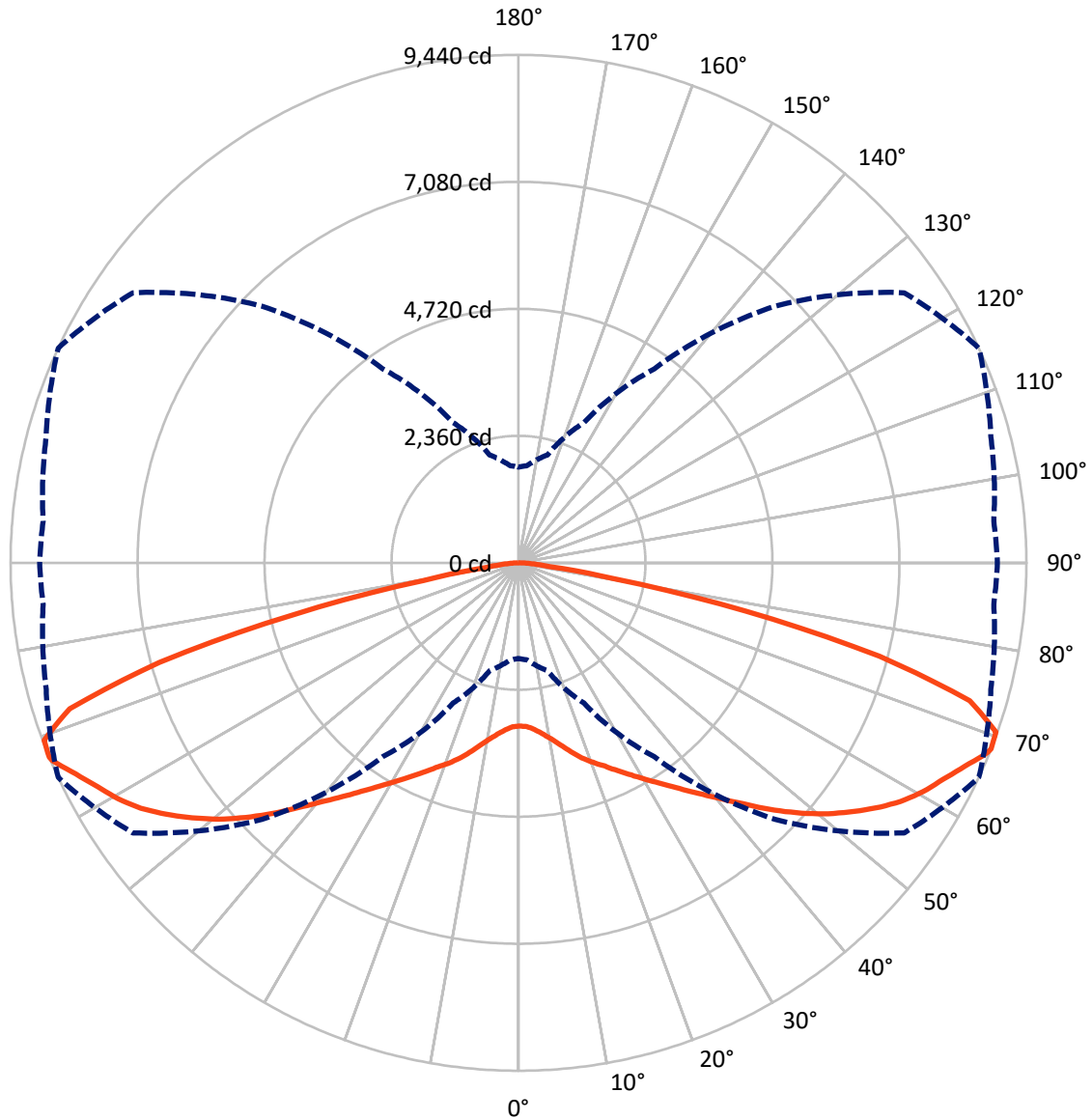
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 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
House Side	Lumens	14582.0	0.0	14582.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	14582.0	0.0	14582.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	29164.0	0.0	29164.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	296.9	1.0
10°-20°	994.1	3.4
20°-30°	1938.3	6.6
30°-40°	3256.1	11.2
40°-50°	5130.5	17.6
50°-60°	6861.2	23.5
60°-70°	6670.0	22.9
70°-80°	3646.1	12.5
80°-90°	370.8	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°	29164.0	100.0
0°-180°	29164.0	100.0

Coefficient of Utilization

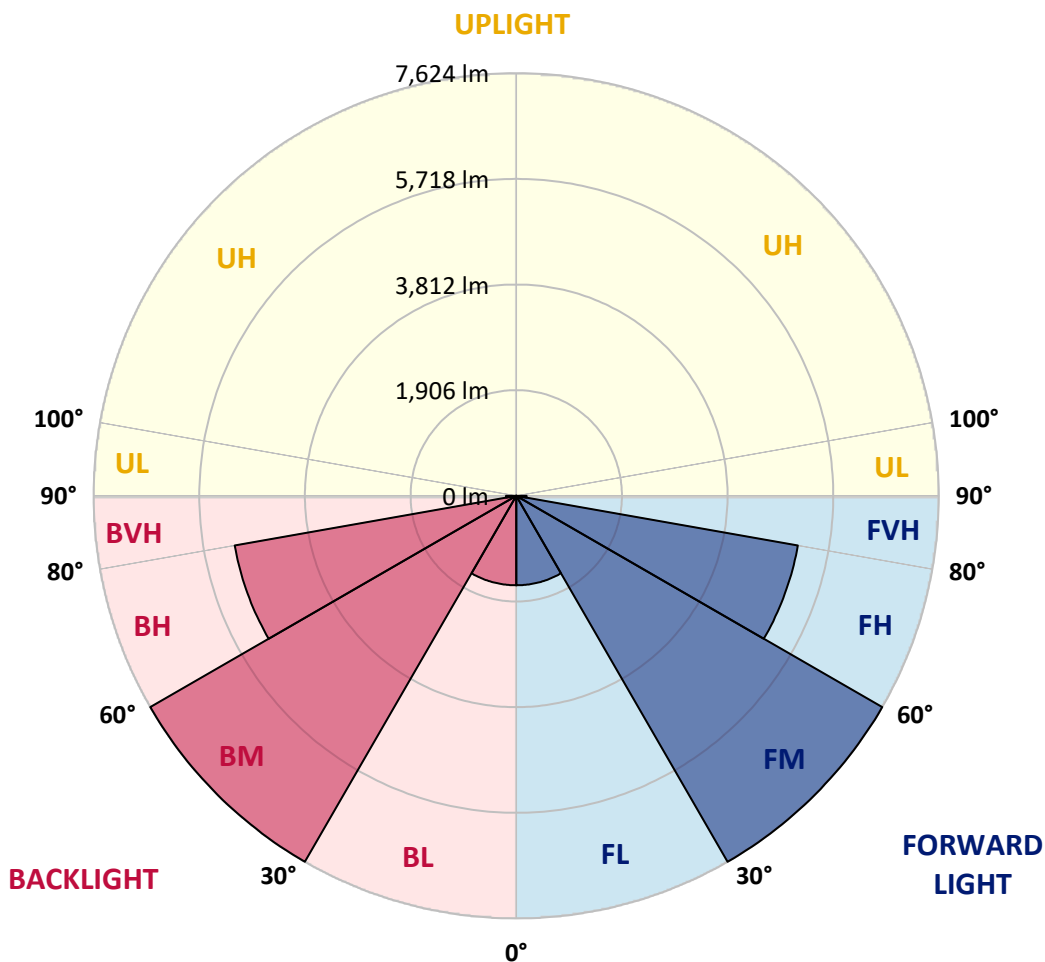


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1614.6	5.5			
FM (30°-60°)	7623.9	26.1			
FH (60°-80°)	5158.0	17.7			G3/7500
FVH (80°-90°)	185.4	0.6			G2/225
BL (0°-30°)	1614.6	5.5	B3/2500		
BM (30°-60°)	7623.9	26.1	B4/8500		
BH (60°-80°)	5158.0	17.7	B5		G5
BVH (80°-90°)	185.4	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°	3032.4	3032.4	3032.4	3032.4	3032.4	3032.4	3032.4	3032.4	3032.4	3032.4	3032.4
2.5°	3010.9	3011.8	3016.7	3022.6	3027.5	3040.2	3043.1	3048.0	3050.0	3054.9	3054.9
5°	2984.5	2986.4	2998.1	3013.8	3031.4	3062.7	3085.2	3110.6	3123.3	3137.0	3136.0
7.5°	2981.5	2986.4	3003.0	3028.5	3057.8	3109.6	3156.6	3207.4	3241.6	3272.9	3271.0
10°	3011.8	3019.7	3043.1	3081.3	3125.3	3189.8	3259.2	3327.7	3387.3	3435.3	3437.2
12.5°	3057.8	3067.6	3104.7	3162.4	3228.9	3312.0	3394.2	3471.4	3553.6	3625.0	3630.8
15°	3118.4	3131.1	3186.9	3272.9	3374.6	3473.4	3561.4	3640.6	3735.5	3834.2	3844.0
17.5°	3208.4	3226.0	3299.3	3415.7	3549.7	3658.2	3750.1	3809.8	3889.0	3990.7	4009.3
20°	3345.3	3367.8	3460.7	3599.5	3762.8	3876.3	3946.7	3959.4	3998.5	4089.4	4111.0
22.5°	3523.3	3542.8	3646.5	3811.7	3994.6	4117.8	4155.0	4104.1	4100.2	4173.5	4194.1
25°	3721.8	3739.4	3859.6	4045.4	4242.0	4377.9	4376.9	4278.2	4209.7	4266.4	4288.0
27.5°	3944.7	3972.1	4087.5	4283.1	4493.3	4627.3	4619.5	4466.9	4336.8	4351.5	4370.1
30°	4200.9	4231.2	4343.7	4542.2	4752.4	4883.5	4873.7	4672.3	4476.7	4437.6	4451.3
32.5°	4518.7	4554.9	4661.5	4857.1	5042.9	5161.2	5132.8	4895.2	4644.9	4559.8	4572.5
35°	4901.1	4922.6	5035.0	5227.7	5378.3	5459.4	5399.8	5153.4	4858.0	4755.4	4755.4
37.5°	5288.3	5304.9	5431.1	5617.9	5763.6	5806.6	5690.2	5436.0	5136.7	4991.0	4994.0
40°	5659.9	5704.9	5846.7	6038.3	6182.1	6193.8	6039.3	5758.7	5446.7	5296.1	5313.7
42.5°	6048.1	6092.1	6261.3	6478.4	6605.5	6625.1	6444.2	6120.5	5796.8	5674.6	5694.1
45°	6394.3	6429.5	6625.1	6877.3	7035.8	7086.6	6872.5	6535.1	6175.2	6055.9	6060.8
47.5°	6635.8	6681.8	6896.9	7194.2	7425.0	7503.2	7292.9	6939.0	6547.8	6403.1	6415.8
50°	6854.9	6879.3	7097.4	7422.0	7715.4	7876.7	7696.8	7337.9	6924.3	6770.8	6784.5
52.5°	6977.1	7008.4	7219.6	7557.9	7905.1	8165.2	8055.7	7696.8	7288.1	7138.4	7155.1
55°	6892.0	6915.5	7168.8	7588.3	8022.4	8343.2	8359.8	8047.9	7645.0	7513.9	7560.9
57.5°	6504.8	6534.1	6843.1	7392.7	8037.1	8463.5	8588.6	8373.5	7978.4	7871.8	7899.2
60°	5899.5	5918.1	6247.6	6865.6	7751.6	8513.3	8734.3	8639.5	8305.0	8198.4	8235.6
62.5°	4820.9	4848.3	5242.4	6070.6	7148.2	8365.7	8875.1	8859.5	8609.2	8511.4	8544.6
65°	3295.4	3343.3	3779.5	4826.8	6218.3	7913.9	9003.2	9115.7	8878.1	8754.9	8798.9
67.5°	1990.0	2025.2	2341.0	3186.9	4758.3	7002.5	8871.2	9407.1	9067.8	8869.3	8905.4
68°	1778.7	1811.0	2075.0	2875.9	4401.4	6745.3	8750.9	9440.3	9088.3	8867.3	8899.6
70°	1074.7	1096.2	1273.2	1777.8	2934.6	5350.9	7930.5	9413.0	9219.3	8894.7	8913.3
72.5°	700.2	707.0	736.3	912.4	1499.1	2992.3	5952.3	8771.5	9415.9	9054.1	9051.1
75°	581.8	577.9	580.9	601.4	739.3	1312.3	3478.3	6929.2	8975.9	8802.8	8741.2
77.5°	491.9	488.9	488.0	488.9	494.8	633.7	1509.8	4316.3	6868.5	7786.8	7841.5
80°	398.0	394.1	406.8	400.9	383.3	394.1	632.7	1795.4	3237.7	3483.2	3264.1
82.5°	289.4	274.8	329.5	313.9	299.2	277.7	349.1	579.9	772.5	530.0	372.6
85°	223.0	207.3	250.3	240.6	205.4	141.8	207.3	283.6	312.9	178.9	140.8
87.5°	90.9	95.8	180.9	142.8	120.3	68.5	85.1	113.4	152.5	76.3	58.7
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)