

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: P317128

Luminaire Tested: **GAN-SA4C-740-U-RW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P317128
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-740-U-RW
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(4) 70 CRI, 4000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 29165 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

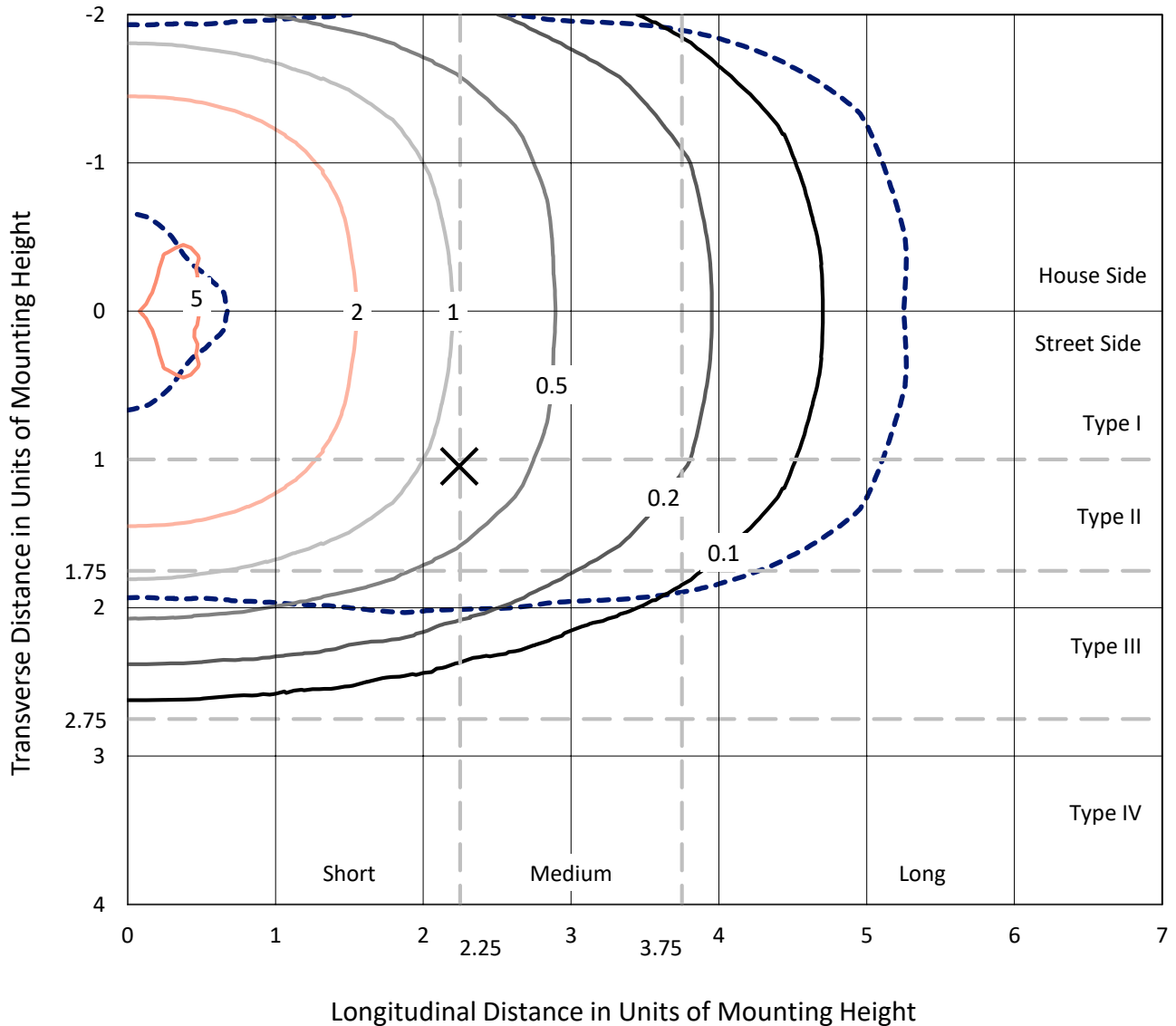
Input Watts (W): 225
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

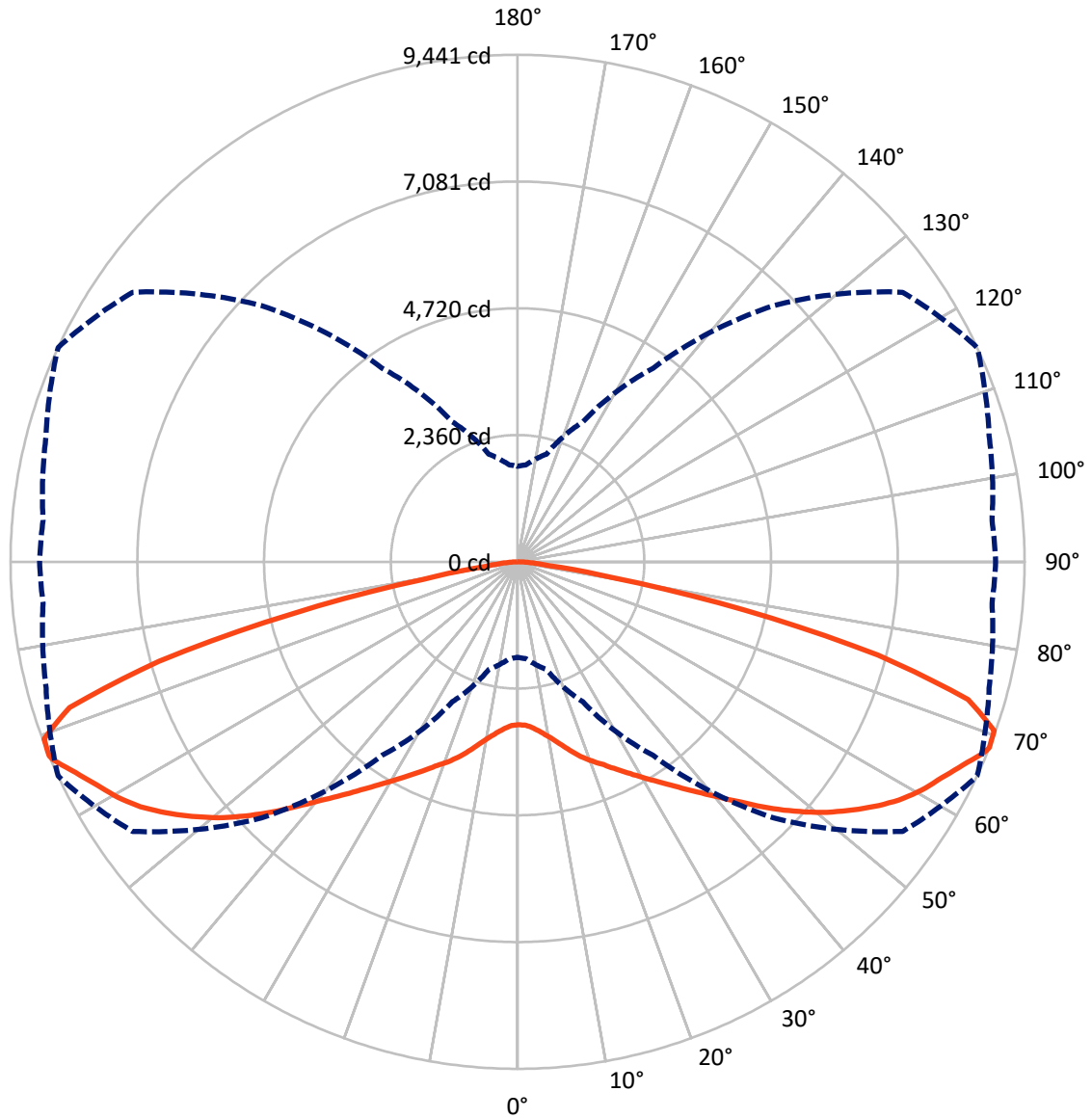
✕ Max cd
 - - - 1/2 Max cd



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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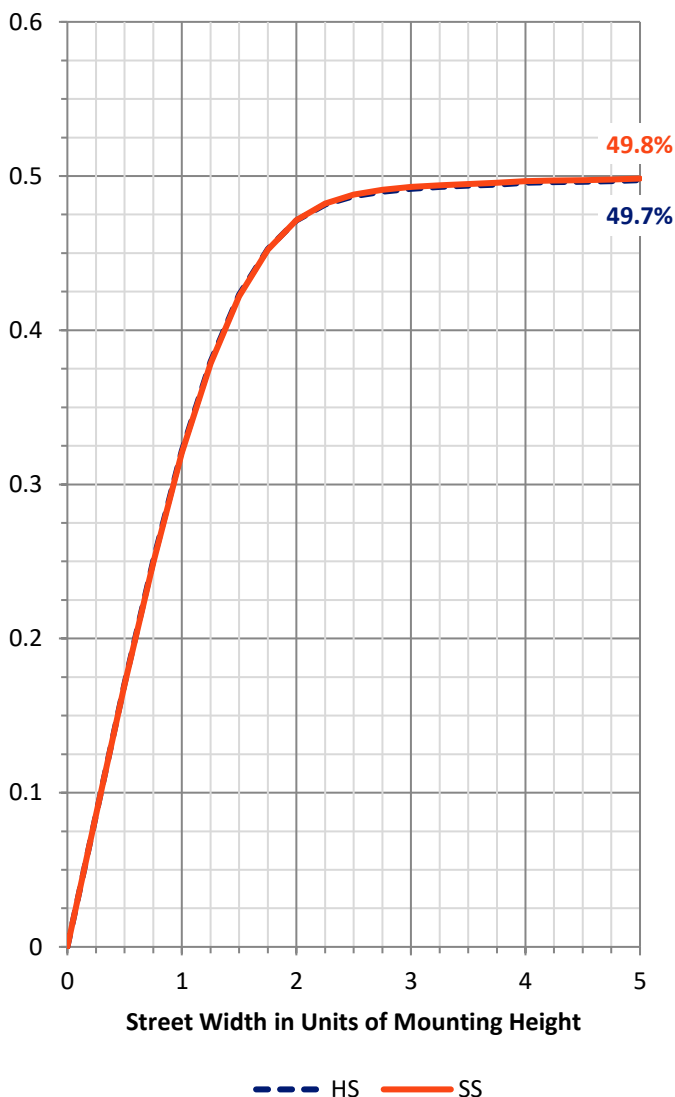
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	14582.5	0.0	14582.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	14582.5	0.0	14582.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	29165.0	0.0	29165.0
	% 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°	3256.2	11.2
40°-50°	5130.7	17.6
50°-60°	6861.4	23.5
60°-70°	6670.2	22.9
70°-80°	3646.3	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°	29165.0	100.0
0°-180°	29165.0	100.0

Coefficient of Utilization

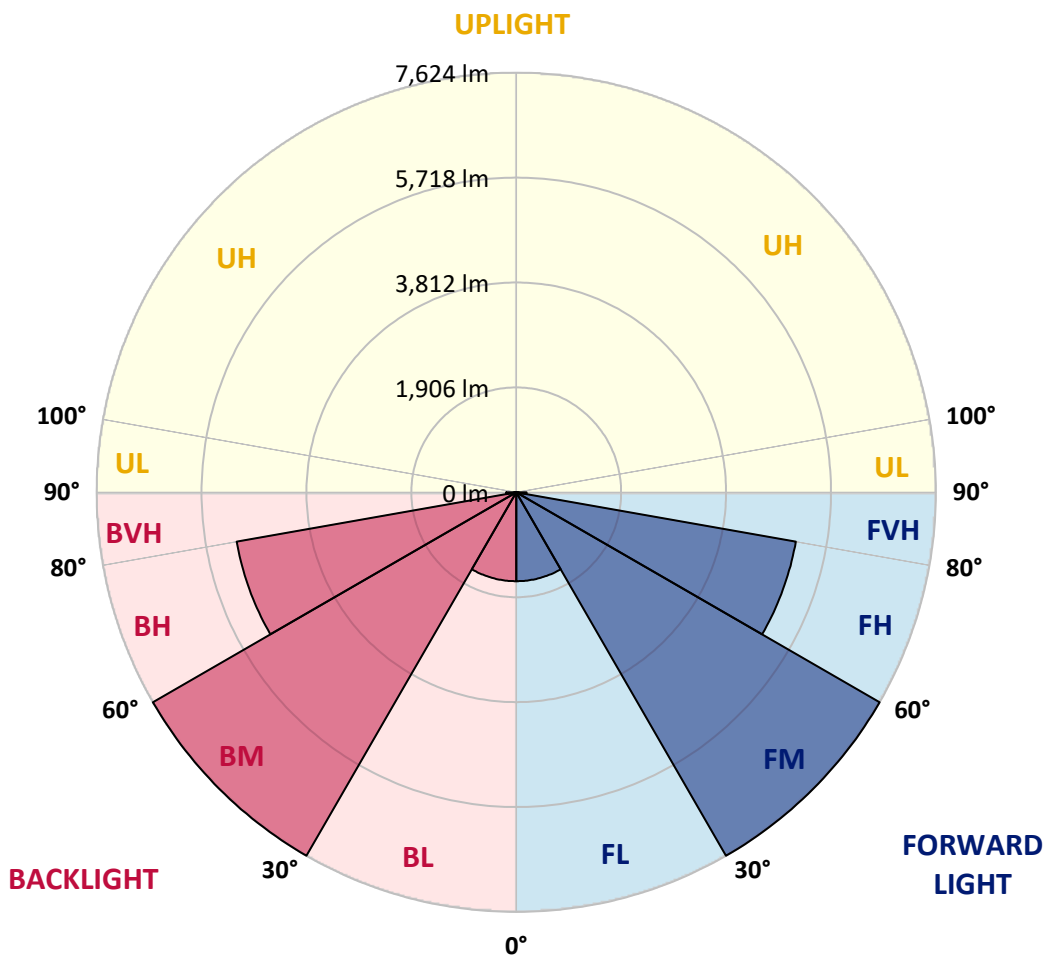


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1614.7	5.5			
FM (30°-60°)	7624.2	26.1			
FH (60°-80°)	5158.2	17.7			G3/7500
FVH (80°-90°)	185.4	0.6			G2/225
BL (0°-30°)	1614.7	5.5	B3/2500		
BM (30°-60°)	7624.2	26.1	B4/8500		
BH (60°-80°)	5158.2	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°	3032.5	3032.5	3032.5	3032.5	3032.5	3032.5	3032.5	3032.5	3032.5	3032.5	3032.5
2.5°	3011.0	3011.9	3016.8	3022.7	3027.6	3040.3	3043.2	3048.1	3050.1	3055.0	3055.0
5°	2984.6	2986.5	2998.2	3013.9	3031.5	3062.8	3085.3	3110.7	3123.4	3137.1	3136.1
7.5°	2981.6	2986.5	3003.1	3028.6	3057.9	3109.7	3156.7	3207.5	3241.7	3273.0	3271.1
10°	3011.9	3019.8	3043.2	3081.4	3125.4	3189.9	3259.3	3327.8	3387.5	3435.4	3437.3
12.5°	3057.9	3067.7	3104.8	3162.5	3229.0	3312.2	3394.3	3471.6	3553.7	3625.1	3630.9
15°	3118.5	3131.2	3187.0	3273.0	3374.7	3473.5	3561.5	3640.7	3735.6	3834.4	3844.1
17.5°	3208.5	3226.1	3299.4	3415.8	3549.8	3658.3	3750.3	3809.9	3889.1	3990.8	4009.4
20°	3345.4	3367.9	3460.8	3599.7	3763.0	3876.4	3946.8	3959.5	3998.6	4089.6	4111.1
22.5°	3523.4	3542.9	3646.6	3811.9	3994.7	4117.9	4155.1	4104.3	4100.3	4173.7	4194.2
25°	3721.9	3739.5	3859.8	4045.6	4242.1	4378.1	4377.1	4278.3	4209.9	4266.6	4288.1
27.5°	3944.9	3972.2	4087.6	4283.2	4493.5	4627.4	4619.6	4467.1	4337.0	4351.7	4370.2
30°	4201.1	4231.4	4343.8	4542.4	4752.6	4883.6	4873.9	4672.4	4476.8	4437.7	4451.4
32.5°	4518.9	4555.1	4661.7	4857.2	5043.0	5161.4	5133.0	4895.4	4645.0	4560.0	4572.7
35°	4901.2	4922.8	5035.2	5227.9	5378.5	5459.6	5400.0	5153.5	4858.2	4755.5	4755.5
37.5°	5288.5	5305.1	5431.3	5618.0	5763.8	5806.8	5690.4	5436.2	5136.9	4991.2	4994.1
40°	5660.1	5705.1	5846.9	6038.5	6182.3	6194.0	6039.5	5758.9	5446.9	5296.3	5313.9
42.5°	6048.3	6092.3	6261.5	6478.6	6605.7	6625.3	6444.4	6120.7	5797.0	5674.8	5694.3
45°	6394.5	6429.7	6625.3	6877.6	7036.0	7086.9	6872.7	6535.3	6175.5	6056.1	6061.0
47.5°	6636.0	6682.0	6897.1	7194.4	7425.2	7503.4	7293.2	6939.2	6548.0	6403.3	6416.0
50°	6855.1	6879.5	7097.6	7422.3	7715.6	7877.0	7697.1	7338.2	6924.5	6771.0	6784.7
52.5°	6977.3	7008.6	7219.8	7558.2	7905.4	8165.5	8056.0	7697.1	7288.3	7138.7	7155.3
55°	6892.3	6915.7	7169.0	7588.5	8022.7	8343.5	8360.1	8048.1	7645.2	7514.2	7561.1
57.5°	6505.0	6534.3	6843.4	7392.9	8037.4	8463.7	8588.9	8373.8	7978.7	7872.1	7899.5
60°	5899.7	5918.3	6247.8	6865.8	7751.8	8513.6	8734.6	8639.8	8305.3	8198.7	8235.9
62.5°	4821.1	4848.4	5242.5	6070.8	7148.5	8366.0	8875.4	8859.8	8609.4	8511.7	8544.9
65°	3295.5	3343.4	3779.6	4826.9	6218.5	7914.2	9003.5	9116.0	8878.4	8755.2	8799.2
67.5°	1990.0	2025.2	2341.1	3187.0	4758.5	7002.8	8871.5	9407.4	9068.1	8869.6	8905.8
68°	1778.8	1811.1	2075.1	2876.0	4401.5	6745.6	8751.2	9440.7	9088.6	8867.6	8899.9
70°	1074.7	1096.2	1273.2	1777.8	2934.7	5351.1	7930.8	9413.3	9219.7	8895.0	8913.6
72.5°	700.2	707.0	736.4	912.4	1499.1	2992.4	5952.5	8771.8	9416.2	9054.4	9051.5
75°	581.9	577.9	580.9	601.4	739.3	1312.3	3478.4	6929.4	8976.2	8803.1	8741.5
77.5°	491.9	489.0	488.0	489.0	494.8	633.7	1509.9	4316.5	6868.8	7787.0	7841.8
80°	398.0	394.1	406.8	400.9	383.3	394.1	632.7	1795.4	3237.8	3483.3	3264.2
82.5°	289.5	274.8	329.6	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	179.0	140.8
87.5°	90.9	95.8	180.9	142.8	120.3	68.5	85.1	113.4	152.6	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)