

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: P316448

Luminaire Tested: **GAN-SA4C-730-U-5MQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316448
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-6)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA4C-730-U-5MQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(4) 70 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V
MEDIUM OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 27295 lumens
Efficiency: N/A
Efficacy: 121.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

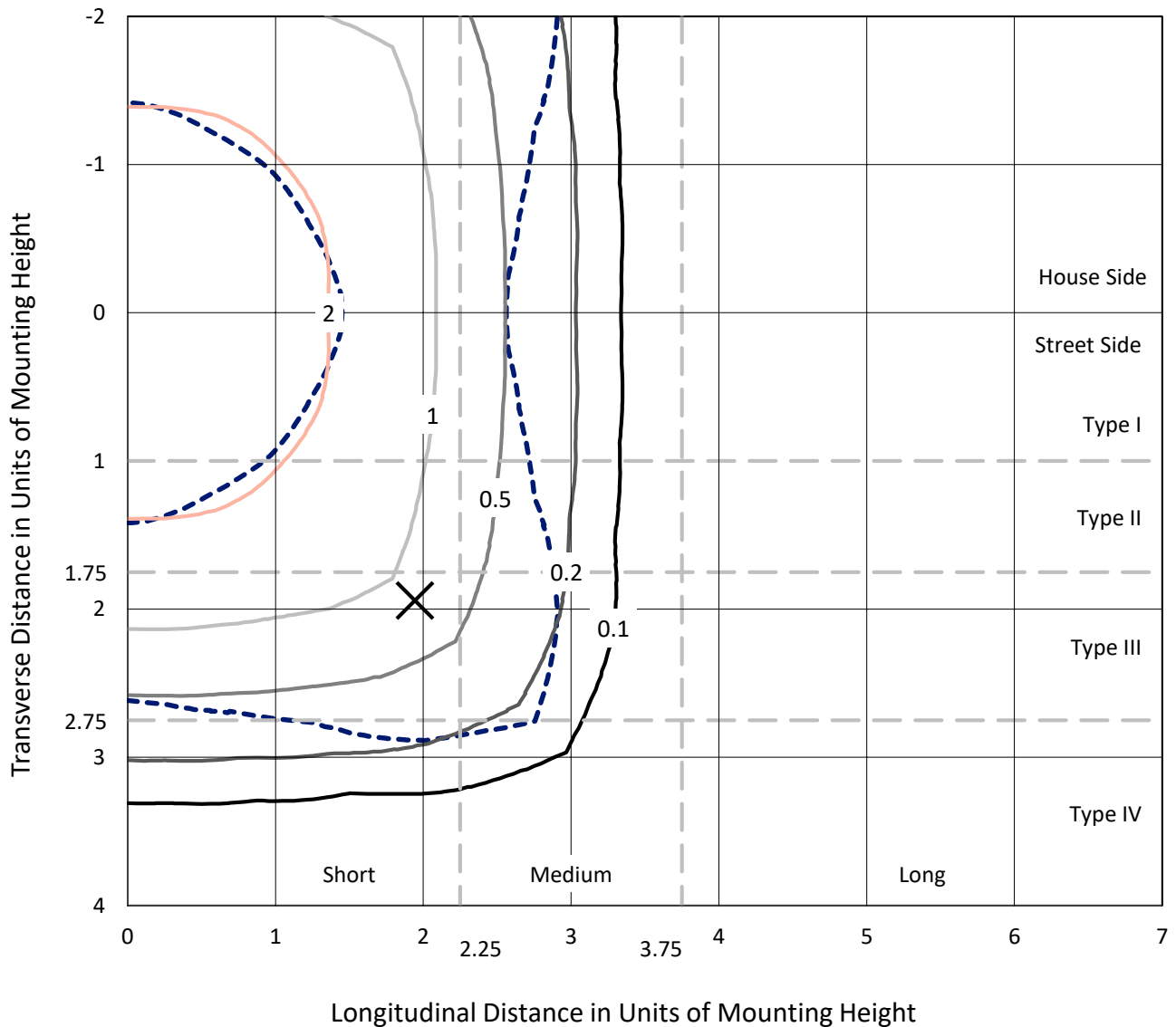
Input Watts (W): 225
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

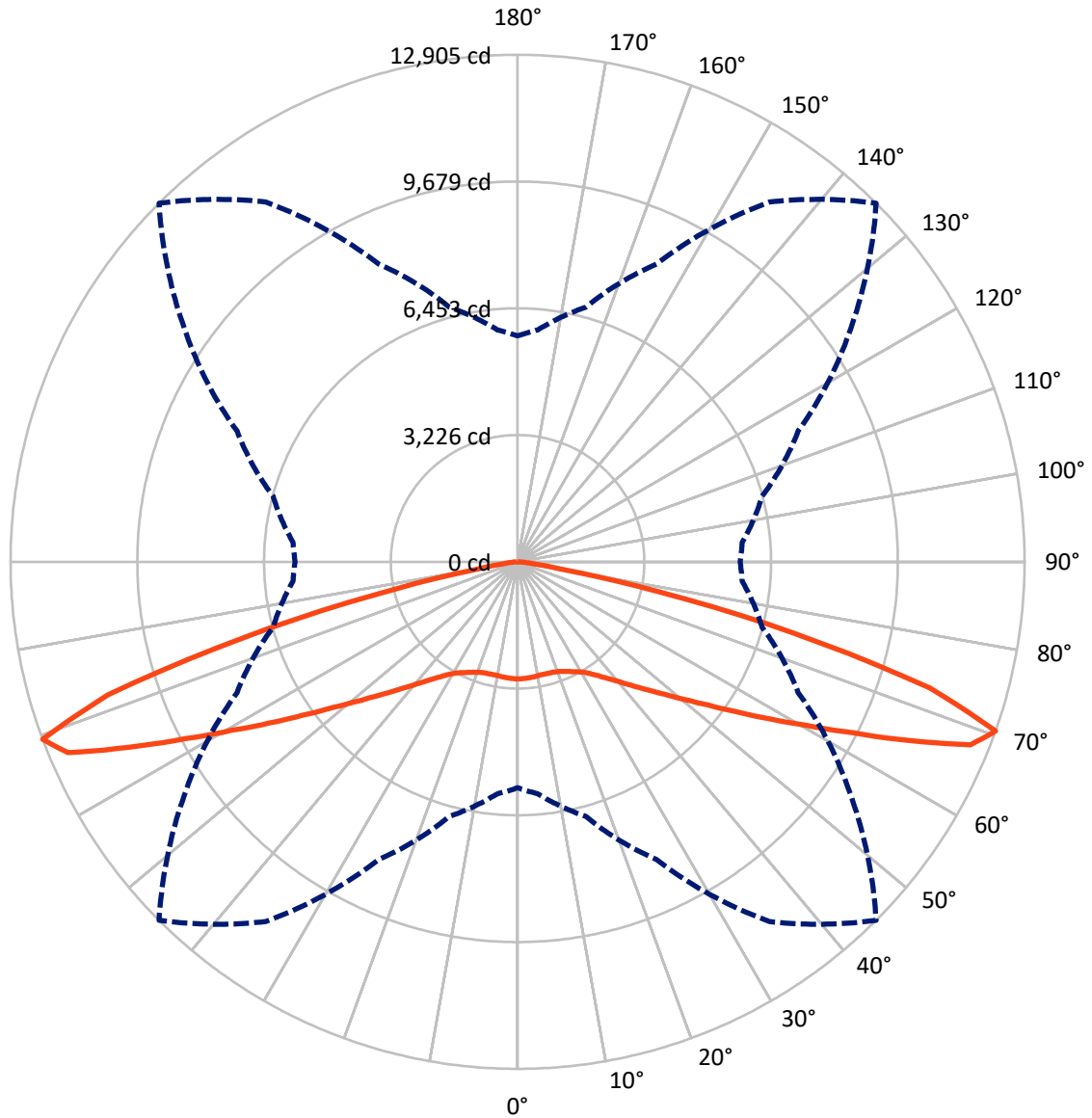
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.8 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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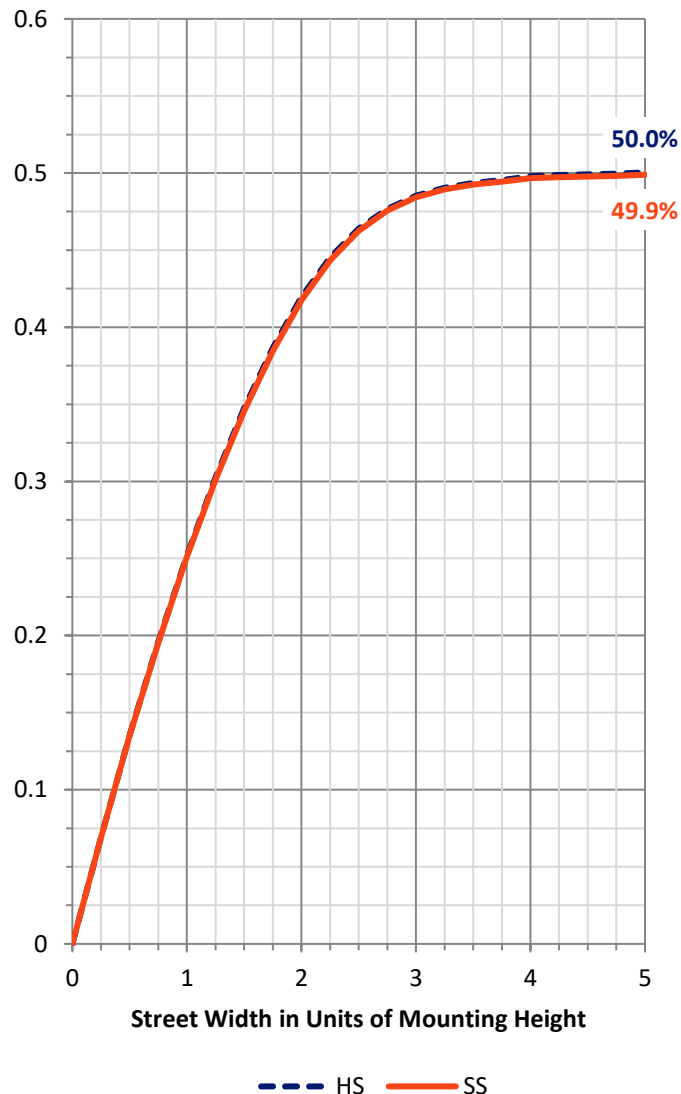
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	13647.5	0.0	13647.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	13647.5	0.0	13647.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	27295.0	0.0	27295.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	282.3	1.0
10°-20°	828.9	3.0
20°-30°	1411.0	5.2
30°-40°	2237.8	8.2
40°-50°	3641.6	13.3
50°-60°	6004.4	22.0
60°-70°	8814.6	32.3
70°-80°	3897.8	14.3
80°-90°	176.5	0.6
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°	27295.0	100.0
0°-180°	27295.0	100.0

Coefficient of Utilization

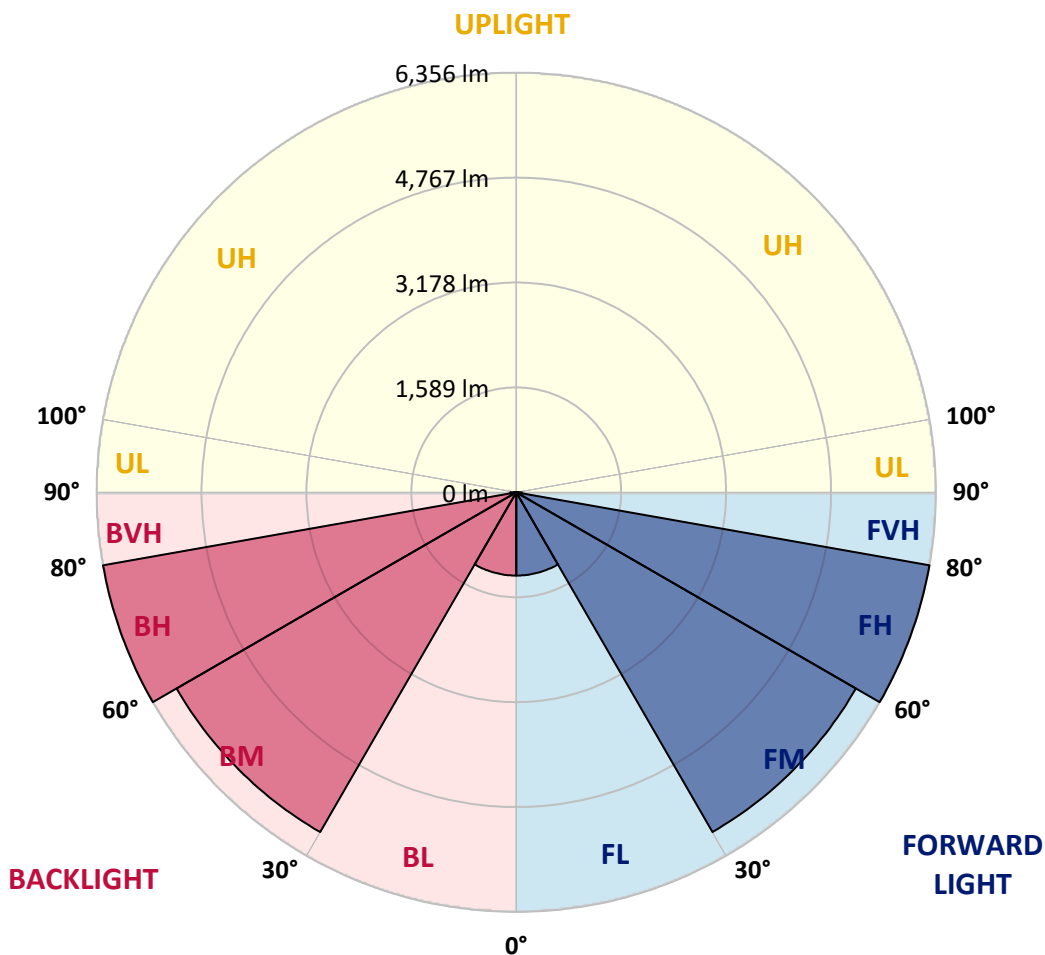


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1261.1	4.6			
FM (30°-60°)	5941.9	21.8			
FH (60°-80°)	6356.2	23.3			G3/7500
FVH (80°-90°)	88.3	0.3			G1/100
BL (0°-30°)	1261.1	4.6	B3/2500		
BM (30°-60°)	5941.9	21.8	B4/8500		
BH (60°-80°)	6356.2	23.3	B5		G3/7500
BVH (80°-90°)	88.3	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G3
 Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2981.0	2981.0	2981.0	2981.0	2981.0	2981.0	2981.0	2981.0	2981.0	2981.0	2981.0
2.5°	2976.5	2973.8	2980.1	2979.2	2973.8	2974.7	2974.7	2977.4	2977.4	2975.6	2975.6
5°	2965.7	2963.9	2971.1	2971.1	2965.7	2967.5	2969.3	2972.0	2971.1	2969.3	2968.4
7.5°	2952.1	2951.2	2958.5	2958.5	2954.8	2956.6	2954.8	2955.7	2953.9	2952.1	2949.4
10°	2929.5	2931.4	2937.7	2939.5	2939.5	2940.4	2938.6	2934.1	2931.4	2928.6	2925.9
12.5°	2908.8	2907.9	2916.9	2921.4	2928.6	2936.8	2931.4	2918.7	2913.3	2907.9	2906.1
15°	2895.2	2896.1	2905.2	2913.3	2925.9	2943.1	2936.8	2916.9	2906.1	2899.7	2897.9
17.5°	2892.5	2894.3	2906.1	2920.5	2934.1	2953.0	2949.4	2929.5	2911.5	2899.7	2897.0
20°	2898.8	2899.7	2917.8	2938.6	2962.1	2980.1	2972.0	2950.3	2925.9	2907.9	2903.4
22.5°	2910.6	2914.2	2936.8	2969.3	3005.4	3029.8	3019.9	2982.8	2944.9	2922.3	2916.0
25°	2947.6	2948.5	2979.2	3023.5	3066.9	3094.9	3083.1	3030.7	2981.9	2956.6	2948.5
27.5°	3024.4	3027.1	3057.8	3109.3	3146.4	3164.4	3157.2	3114.7	3073.2	3046.1	3048.8
30°	3135.5	3139.1	3173.5	3230.4	3252.9	3257.5	3255.7	3235.8	3197.8	3161.7	3164.4
32.5°	3271.0	3272.8	3318.9	3370.4	3388.4	3392.1	3388.4	3370.4	3325.2	3276.4	3279.1
35°	3445.4	3450.8	3495.0	3544.7	3559.2	3566.4	3560.1	3536.6	3489.6	3441.7	3439.9
37.5°	3660.4	3661.3	3707.3	3758.8	3776.9	3778.7	3771.5	3756.1	3697.4	3654.0	3651.3
40°	3909.7	3913.3	3967.5	4022.6	4029.8	4021.7	4031.6	4022.6	3962.1	3912.4	3920.5
42.5°	4213.2	4221.3	4286.4	4340.6	4319.8	4315.3	4321.6	4324.3	4275.5	4215.0	4209.6
45°	4566.4	4573.6	4654.9	4698.3	4684.7	4654.9	4667.6	4689.3	4621.5	4546.5	4553.8
47.5°	4969.3	4987.4	5074.1	5114.7	5081.3	5040.7	5065.1	5097.6	5018.1	4925.0	4920.5
50°	5417.4	5439.9	5555.6	5612.5	5579.1	5504.1	5544.7	5566.4	5451.7	5331.5	5321.6
52.5°	5895.2	5917.8	6063.3	6180.7	6159.0	6042.5	6099.4	6076.8	5944.9	5783.2	5770.6
55°	6436.3	6445.4	6602.5	6792.3	6813.9	6728.1	6724.5	6687.5	6492.3	6305.3	6296.3
57.5°	6992.8	6999.1	7202.4	7426.4	7528.5	7528.5	7427.3	7348.7	7089.5	6872.6	6850.1
60°	7593.5	7616.1	7841.0	8145.5	8383.9	8454.4	8275.5	8061.5	7779.6	7514.9	7488.7
62.5°	8128.3	8154.5	8498.7	8952.1	9335.2	9591.7	9154.5	8805.8	8292.7	7868.1	7818.5
65°	8196.0	8266.5	8767.9	9589.0	10446.3	10958.5	10120.2	9261.1	8326.1	7736.2	7685.7
67.5°	7485.1	7604.4	8281.9	9560.1	11331.6	12430.9	10737.2	9000.9	7726.3	7074.1	7018.1
70°	5751.6	5925.0	6706.4	8362.3	11178.9	12905.2	10350.5	7879.9	6441.8	5739.9	5661.3
72.5°	3155.4	3226.7	3929.6	5726.3	8962.1	10966.6	8633.3	5826.6	4271.9	3476.1	3344.2
75°	1000.9	1026.2	1383.9	2343.3	5069.6	7263.8	5484.2	2860.0	1574.5	1160.8	1147.2
77.5°	444.4	447.2	500.5	683.8	1746.2	3680.2	2097.6	778.7	536.6	468.8	484.2
80°	280.9	280.9	309.8	338.8	475.2	1068.7	567.3	370.4	316.2	293.6	299.9
82.5°	134.6	149.1	201.4	216.8	261.1	359.5	290.9	242.1	211.4	157.2	146.3
85°	88.5	74.1	127.4	143.6	151.8	172.5	168.9	159.9	138.2	78.6	87.6
87.5°	39.7	37.9	65.9	60.5	56.9	43.4	65.0	80.4	77.7	38.8	38.8
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)