

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: P316440

Luminaire Tested: **GAN-SA6B-730-U-5MQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316440
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-SA6B-730-U-5MQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 3000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 32699 lumens
Efficiency: N/A
Efficacy: 131.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

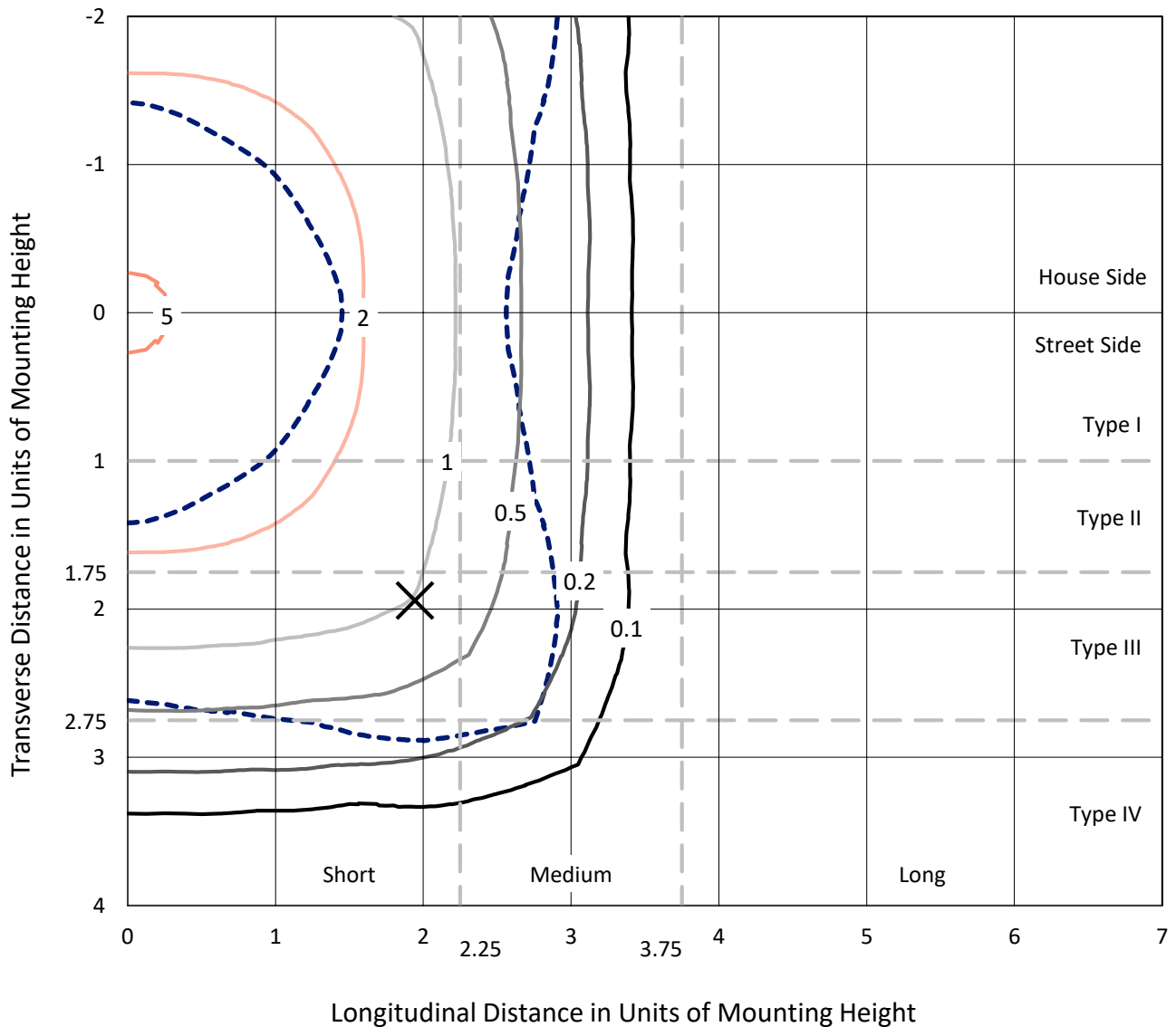
Input Watts (W): 249
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

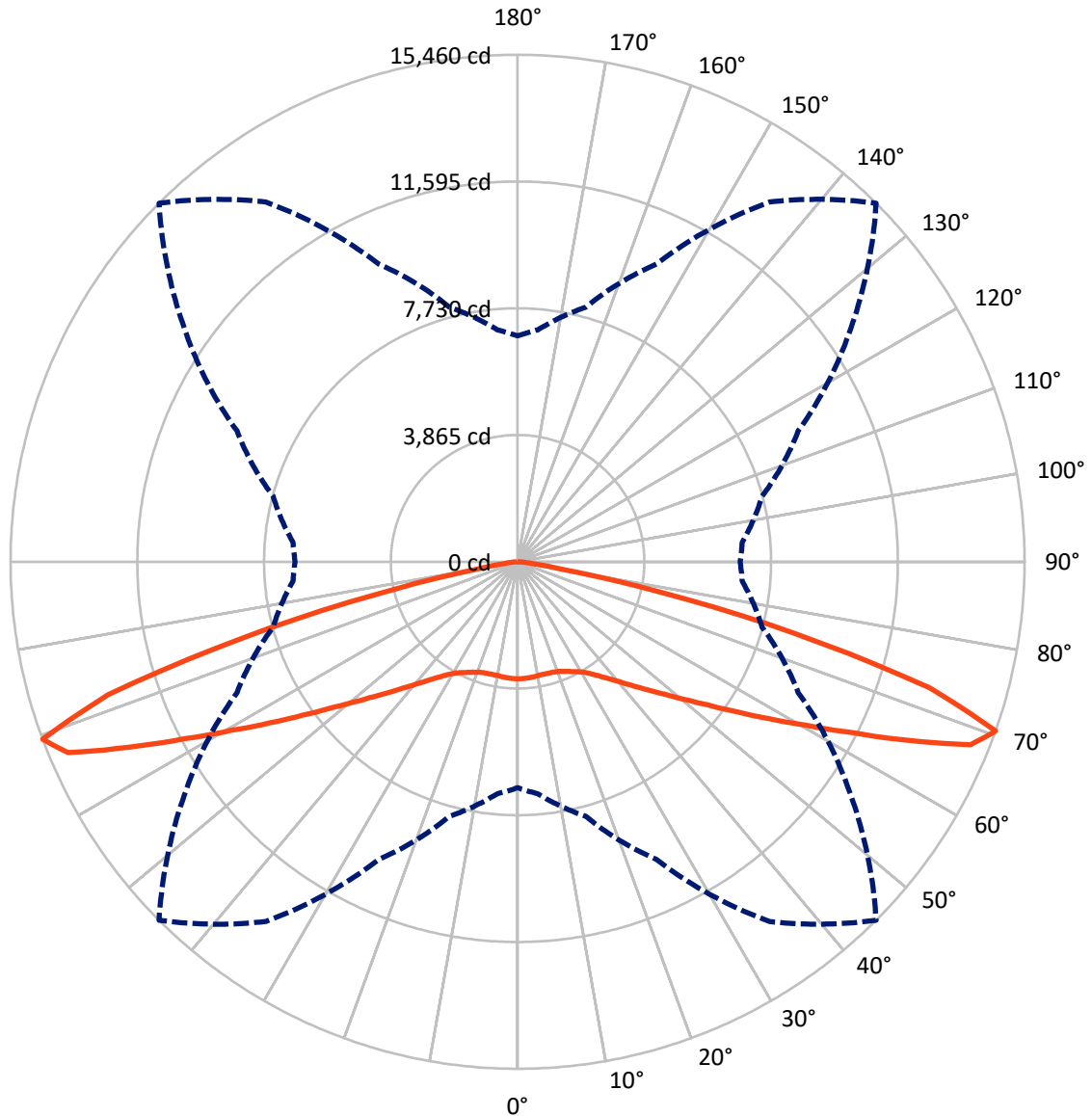
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.7 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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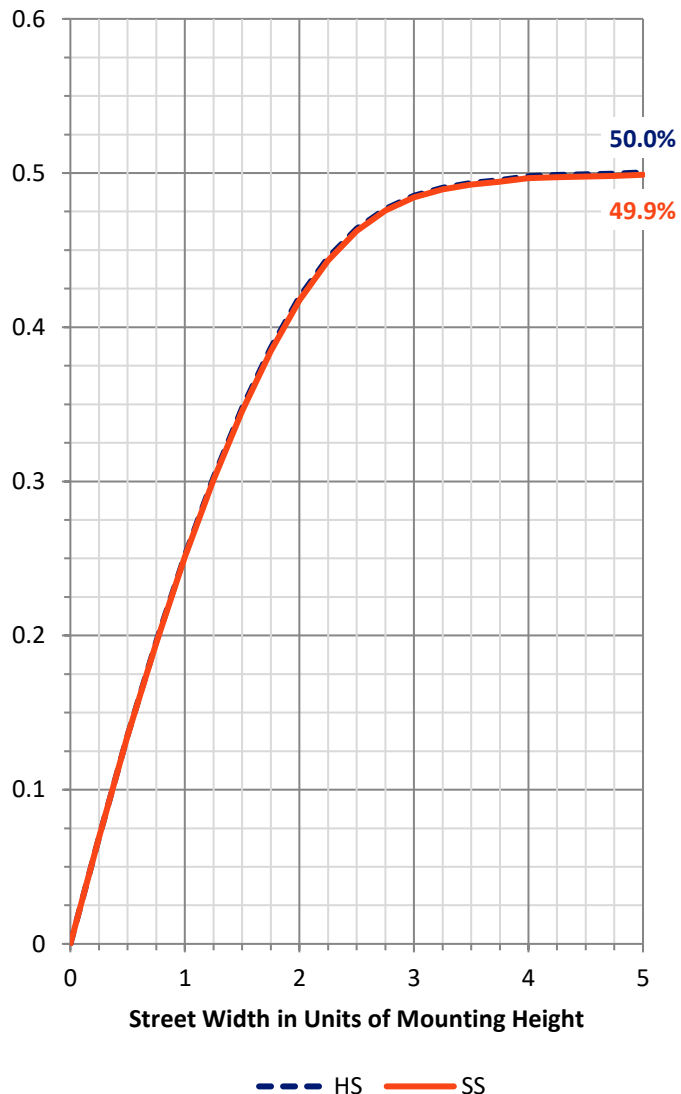
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	16349.5	0.0	16349.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	16349.5	0.0	16349.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	32699.0	0.0	32699.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	338.2	1.0
10°-20°	993.0	3.0
20°-30°	1690.4	5.2
30°-40°	2680.9	8.2
40°-50°	4362.6	13.3
50°-60°	7193.2	22.0
60°-70°	10559.8	32.3
70°-80°	4669.5	14.3
80°-90°	211.5	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°	32699.0	100.0
0°-180°	32699.0	100.0

Coefficient of Utilization



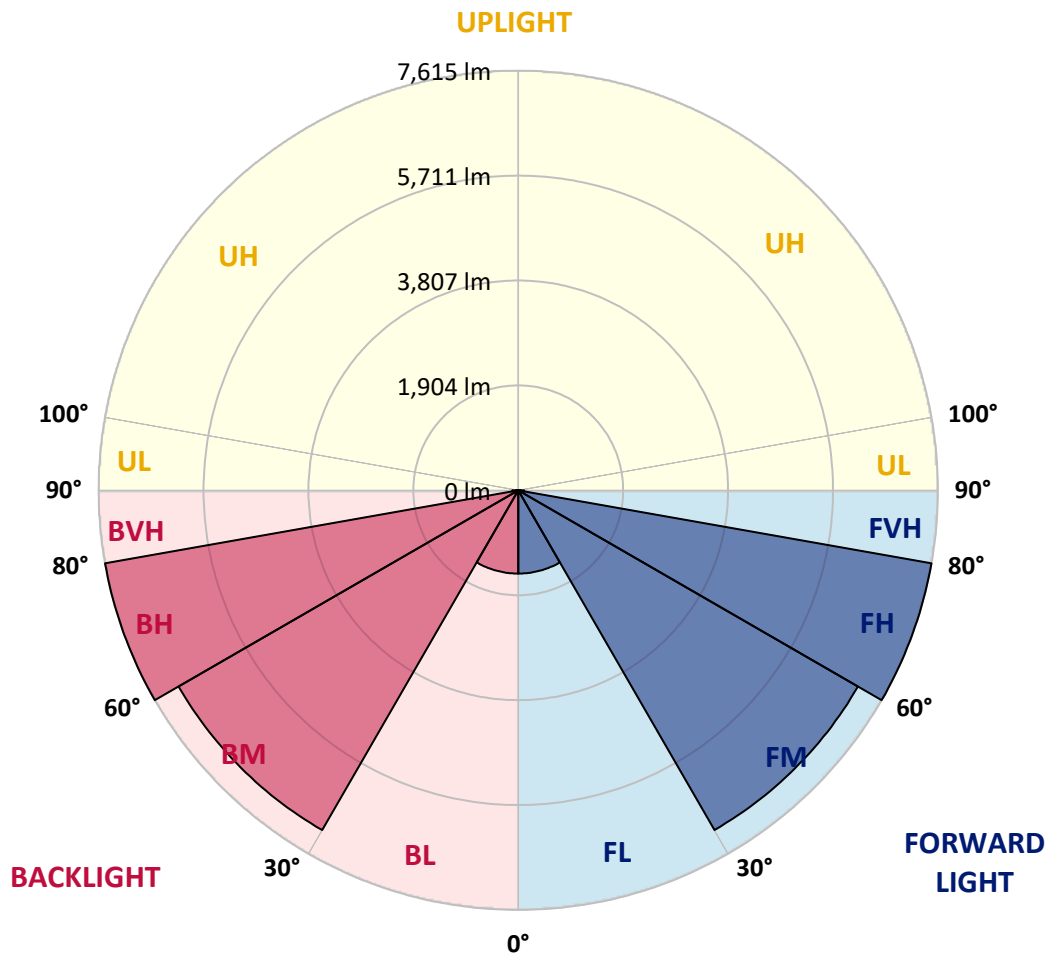
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1510.8	4.6			
FM (30°-60°)	7118.3	21.8			
FH (60°-80°)	7614.7	23.3			G4/12000
FVH (80°-90°)	105.7	0.3			G2/225
BL (0°-30°)	1510.8	4.6	B3/2500		
BM (30°-60°)	7118.3	21.8	B4/8500		
BH (60°-80°)	7614.7	23.3	B5		G4/12000
BVH (80°-90°)	105.7	0.3			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G4

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3571.2	3571.2	3571.2	3571.2	3571.2	3571.2	3571.2	3571.2	3571.2	3571.2	3571.2
2.5°	3565.8	3562.6	3570.2	3569.1	3562.6	3563.7	3563.7	3566.9	3566.9	3564.7	3564.7
5°	3552.8	3550.7	3559.3	3559.3	3552.8	3555.0	3557.2	3560.4	3559.3	3557.2	3556.1
7.5°	3536.6	3535.5	3544.2	3544.2	3539.9	3542.0	3539.9	3540.9	3538.8	3536.6	3533.4
10°	3509.6	3511.7	3519.3	3521.5	3521.5	3522.5	3520.4	3515.0	3511.7	3508.5	3505.2
12.5°	3484.7	3483.6	3494.4	3499.8	3508.5	3518.2	3511.7	3496.6	3490.1	3483.6	3481.4
15°	3468.4	3469.5	3480.3	3490.1	3505.2	3525.8	3518.2	3494.4	3481.4	3473.8	3471.7
17.5°	3465.2	3467.3	3481.4	3498.7	3515.0	3537.7	3533.4	3509.6	3487.9	3473.8	3470.6
20°	3472.8	3473.8	3495.5	3520.4	3548.5	3570.2	3560.4	3534.4	3505.2	3483.6	3478.2
22.5°	3486.8	3491.2	3518.2	3557.2	3600.5	3629.7	3617.8	3573.4	3528.0	3500.9	3493.3
25°	3531.2	3532.3	3569.1	3622.1	3674.0	3707.6	3693.5	3630.8	3572.3	3542.0	3532.3
27.5°	3623.2	3626.4	3663.2	3724.9	3769.3	3790.9	3782.3	3731.4	3681.6	3649.2	3652.4
30°	3756.3	3760.6	3801.7	3869.9	3897.0	3902.4	3900.2	3876.4	3831.0	3787.7	3790.9
32.5°	3918.6	3920.8	3976.0	4037.7	4059.3	4063.6	4059.3	4037.7	3983.6	3925.1	3928.4
35°	4127.5	4134.0	4187.0	4246.5	4263.8	4272.5	4264.9	4236.8	4180.5	4123.2	4121.0
37.5°	4385.0	4386.1	4441.3	4503.0	4524.7	4526.8	4518.2	4499.8	4429.4	4377.5	4374.2
40°	4683.7	4688.1	4753.0	4819.0	4827.7	4817.9	4829.8	4819.0	4746.5	4687.0	4696.7
42.5°	5047.4	5057.1	5135.0	5199.9	5175.1	5169.6	5177.2	5180.5	5122.0	5049.5	5043.0
45°	5470.5	5479.1	5576.5	5628.5	5612.3	5576.5	5591.7	5617.7	5536.5	5446.7	5455.3
47.5°	5953.1	5974.8	6078.7	6127.4	6087.3	6038.6	6067.9	6106.8	6011.6	5900.1	5894.7
50°	6489.9	6517.0	6655.5	6723.7	6683.6	6593.8	6642.5	6668.5	6531.0	6387.1	6375.2
52.5°	7062.4	7089.5	7263.7	7404.4	7378.4	7238.8	7307.0	7279.9	7121.9	6928.2	6913.1
55°	7710.6	7721.5	7909.8	8137.0	8163.0	8060.2	8055.9	8011.5	7777.7	7553.7	7542.9
57.5°	8377.3	8384.8	8628.3	8896.7	9019.0	9019.0	8897.8	8803.6	8493.1	8233.3	8206.3
60°	9096.9	9124.0	9393.4	9758.1	10043.8	10128.3	9914.0	9657.5	9319.9	9002.8	8971.4
62.5°	9737.6	9769.0	10181.3	10724.5	11183.4	11490.7	10967.0	10549.2	9934.5	9425.9	9366.4
65°	9818.7	9903.2	10503.8	11487.5	12514.5	13128.1	12123.8	11094.7	9974.6	9267.9	9207.3
67.5°	8967.1	9109.9	9921.6	11452.9	13575.0	14892.1	12863.0	10783.0	9256.0	8474.7	8407.6
70°	6890.3	7098.1	8034.2	10017.9	13392.1	15460.2	12399.8	9440.0	7717.1	6876.3	6782.1
72.5°	3780.1	3865.6	4707.5	6860.0	10736.4	13137.8	10342.5	6980.2	5117.7	4164.3	4006.3
75°	1199.1	1229.4	1657.9	2807.2	6073.3	8701.9	6570.0	3426.2	1886.3	1390.6	1374.4
77.5°	532.4	535.7	599.5	819.2	2091.9	4408.9	2512.9	932.9	642.8	561.7	580.1
80°	336.6	336.6	371.2	405.8	569.2	1280.2	679.6	443.7	378.8	351.7	359.3
82.5°	161.2	178.6	241.3	259.7	312.8	430.7	348.5	290.0	253.2	188.3	175.3
85°	106.1	88.7	152.6	172.1	181.8	206.7	202.4	191.5	165.6	94.2	105.0
87.5°	47.6	45.5	79.0	72.5	68.2	51.9	77.9	96.3	93.1	46.5	46.5
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)