

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: P383187

Luminaire Tested: **GAN-SA5B-735-U-5NQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P383187
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-5)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA5B-735-U-5NQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(5) 70 CRI, 3500K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 27445.2 lumens
Efficiency: N/A
Efficacy: 130.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

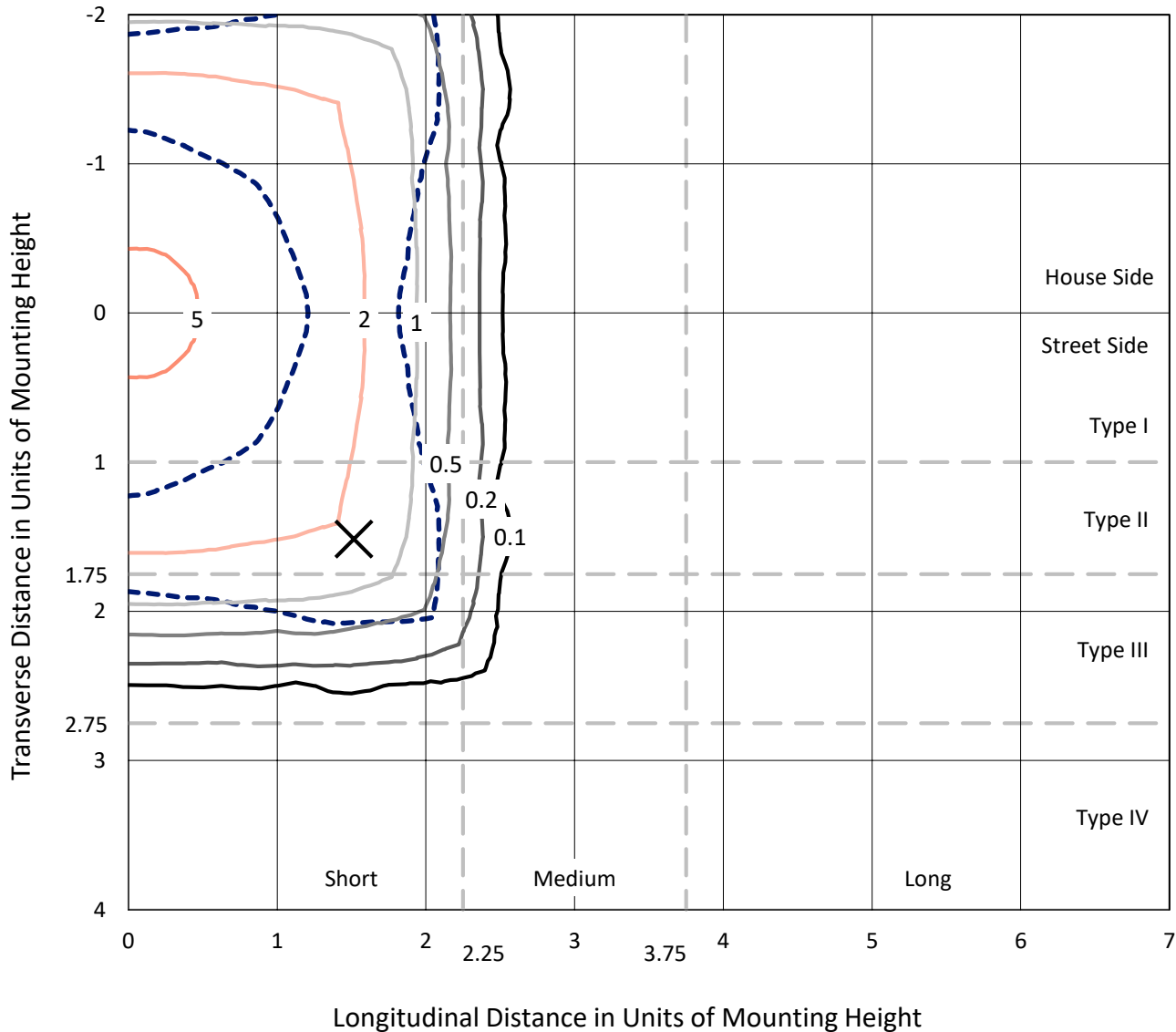
Input Watts (W): 210
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

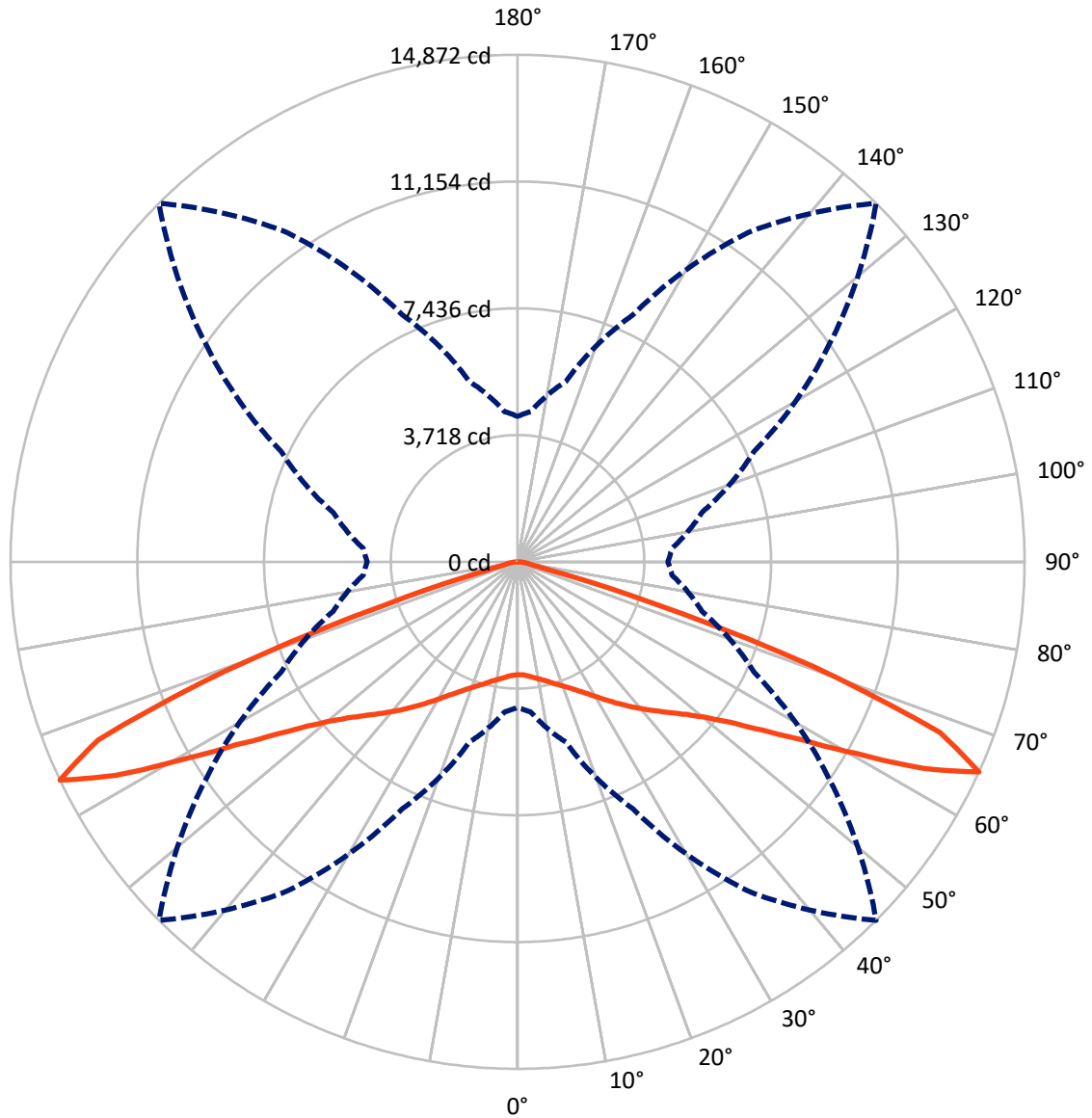
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.3 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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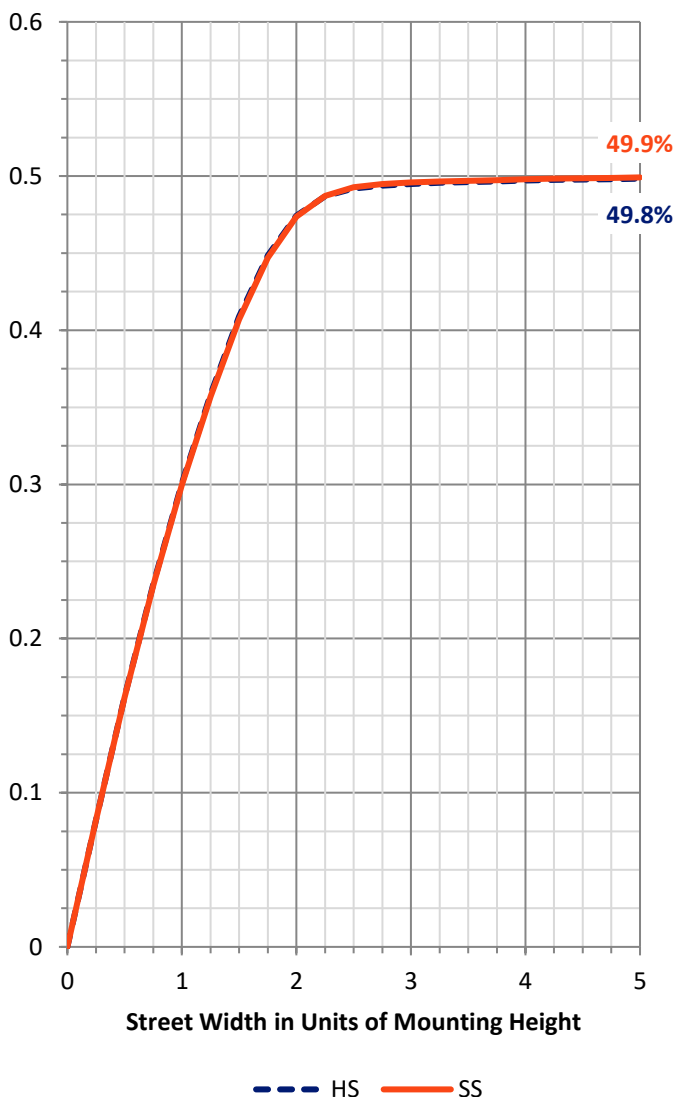
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	13722.6	0.0	13722.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	13722.6	0.0	13722.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	27445.2	0.0	27445.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	325.2	1.2
10°-20°	1045.2	3.8
20°-30°	1961.0	7.1
30°-40°	3243.2	11.8
40°-50°	5023.2	18.3
50°-60°	7704.2	28.1
60°-70°	7188.9	26.2
70°-80°	836.7	3.0
80°-90°	117.6	0.4
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°	27445.2	100.0
0°-180°	27445.2	100.0

Coefficient of Utilization



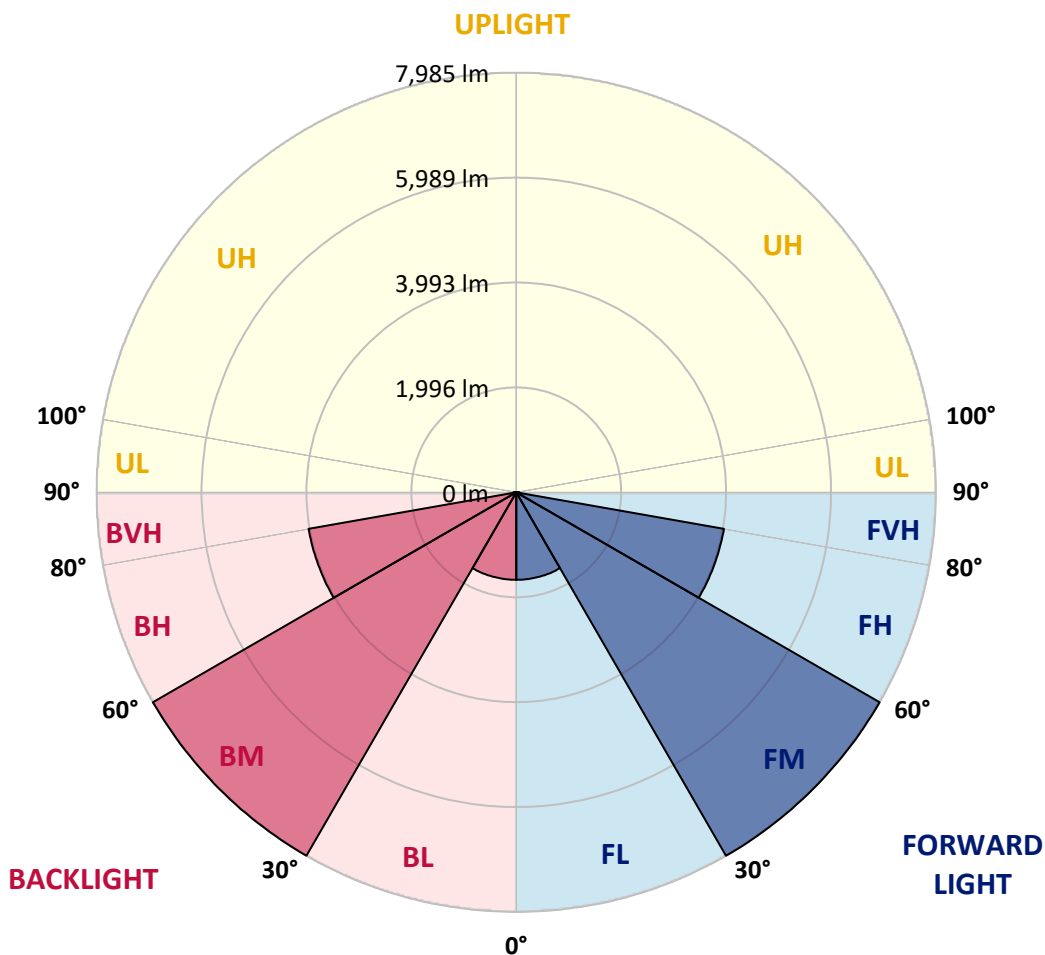
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1665.7	6.1			
FM (30°-60°)	7985.3	29.1			
FH (60°-80°)	4012.8	14.6			G2/5000
FVH (80°-90°)	58.8	0.2			G1/100
BL (0°-30°)	1665.7	6.1	B3/2500		
BM (30°-60°)	7985.3	29.1	B4/8500		
BH (60°-80°)	4012.8	14.6	B4/5000		G2/5000
BVH (80°-90°)	58.8	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3314.4	3314.4	3314.4	3314.4	3314.4	3314.4	3314.4	3314.4	3314.4	3314.4	3314.4
2.5°	3325.3	3323.5	3325.3	3326.2	3320.8	3323.5	3322.6	3327.1	3329.0	3327.1	3327.1
5°	3363.5	3360.8	3364.5	3369.0	3361.8	3363.5	3360.8	3366.3	3368.1	3364.5	3367.2
7.5°	3416.4	3417.3	3420.9	3429.1	3424.6	3428.3	3422.8	3423.7	3422.8	3417.3	3418.2
10°	3473.8	3474.7	3481.1	3492.0	3493.9	3493.9	3490.2	3487.4	3483.8	3480.2	3481.1
12.5°	3543.0	3547.6	3552.2	3565.8	3565.8	3573.1	3571.3	3564.0	3557.6	3552.2	3552.2
15°	3636.9	3635.9	3641.4	3655.1	3661.4	3673.3	3673.3	3663.3	3655.1	3649.6	3647.8
17.5°	3735.2	3738.0	3741.7	3758.0	3768.0	3781.7	3783.6	3775.4	3769.9	3762.6	3758.0
20°	3850.1	3854.7	3869.2	3875.5	3884.6	3897.4	3902.0	3900.2	3894.7	3891.1	3892.0
22.5°	3983.9	3995.8	4004.9	4014.0	4024.9	4034.1	4038.6	4045.1	4039.6	4036.9	4035.0
25°	4146.1	4154.3	4172.6	4189.0	4196.2	4199.0	4204.4	4213.6	4212.6	4206.3	4206.3
27.5°	4330.2	4345.7	4368.4	4392.2	4392.2	4383.0	4401.2	4416.7	4411.3	4403.1	4392.2
30°	4553.4	4567.9	4594.4	4627.2	4610.8	4604.4	4629.0	4657.3	4649.1	4635.4	4633.5
32.5°	4793.9	4807.5	4842.2	4877.7	4856.7	4847.7	4874.0	4915.0	4900.5	4873.1	4856.7
35°	5054.5	5068.1	5117.3	5160.1	5124.6	5109.1	5131.0	5175.6	5150.1	5099.1	5086.3
37.5°	5337.8	5345.0	5408.8	5452.5	5427.9	5387.0	5414.3	5447.1	5425.2	5363.3	5338.7
40°	5632.0	5658.5	5732.3	5783.2	5740.5	5675.7	5721.3	5766.8	5734.0	5654.9	5612.9
42.5°	5975.5	5995.5	6093.9	6139.5	6070.2	5979.1	6041.1	6103.0	6070.2	5993.8	5957.2
45°	6332.7	6363.6	6481.1	6526.7	6426.5	6310.8	6386.4	6494.8	6492.0	6381.8	6343.6
47.5°	6721.7	6752.6	6892.9	6953.1	6844.6	6689.7	6796.4	6949.4	6938.4	6817.3	6786.3
50°	7170.8	7203.6	7378.5	7454.2	7353.0	7172.6	7333.0	7467.8	7447.7	7298.3	7301.1
52.5°	7734.7	7732.9	7950.7	8081.8	7978.0	7818.6	7966.1	8097.3	8014.4	7807.6	7801.2
55°	8228.5	8258.5	8528.2	8776.9	8770.6	8709.5	8768.8	8774.2	8537.4	8262.2	8228.5
57.5°	8552.8	8610.2	8990.2	9440.2	9777.2	9858.4	9743.6	9395.6	8840.8	8400.7	8346.9
60°	8353.3	8440.8	9037.5	9954.9	10947.9	11424.4	10776.7	9697.1	8604.8	7991.7	7918.7
62.5°	7006.8	7154.4	8028.1	9706.3	11955.6	13348.5	11525.6	9213.4	7666.4	6821.9	6697.1
65°	4267.3	4423.1	5476.3	7989.0	11792.5	14871.8	11183.9	7647.3	5595.6	4545.2	4410.3
67.5°	1422.1	1467.7	2088.1	4415.8	9268.0	13362.2	9283.5	4578.0	2435.3	1614.4	1567.0
70°	556.6	561.2	662.3	1280.0	4376.6	9177.8	4829.4	1302.8	692.4	547.6	559.4
72.5°	409.0	410.9	439.1	534.8	1140.6	4043.2	1181.6	537.5	427.3	383.5	383.5
75°	328.9	328.9	349.0	389.9	511.0	927.4	518.4	385.4	334.3	306.1	302.5
77.5°	259.6	265.1	280.6	307.0	346.2	446.4	358.9	305.2	269.7	243.2	237.8
80°	193.1	198.6	224.1	236.9	248.7	309.7	265.1	238.7	213.1	182.2	176.7
82.5°	126.6	132.1	164.0	171.3	168.5	202.2	178.6	175.9	156.7	117.6	112.1
85°	82.9	84.8	109.4	113.8	104.8	92.0	113.8	120.3	109.4	76.6	73.8
87.5°	39.2	39.2	55.6	51.9	47.4	38.3	51.9	61.0	61.9	37.4	36.4
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)