

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: P316759

Luminaire Tested: **GAN-SA5B-730-U-5NQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316759
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-730-U-5NQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(5) 70 CRI, 3000K, 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: 26831 lumens
Efficiency: N/A
Efficacy: 127.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

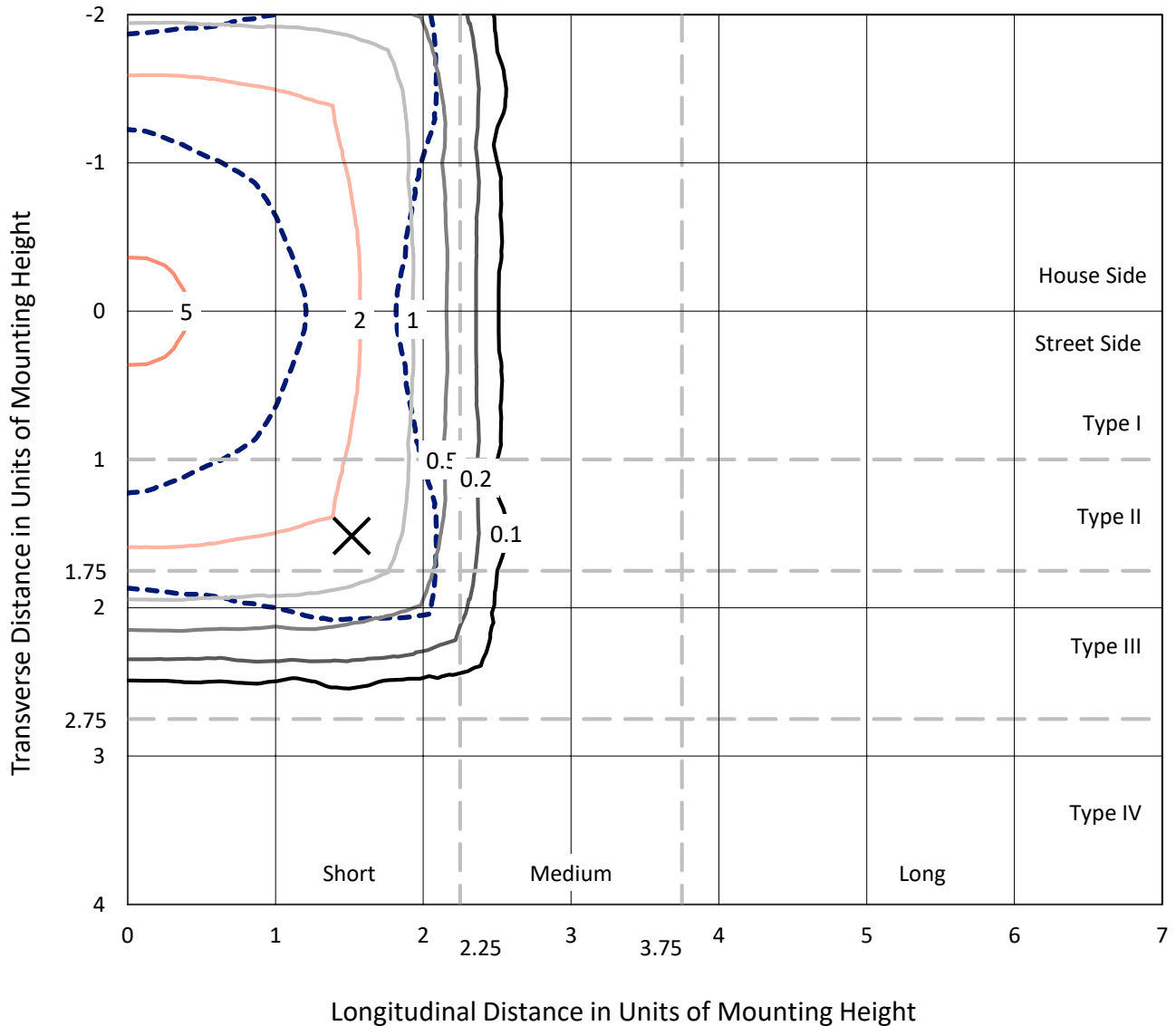
Input Watts (W): 210
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

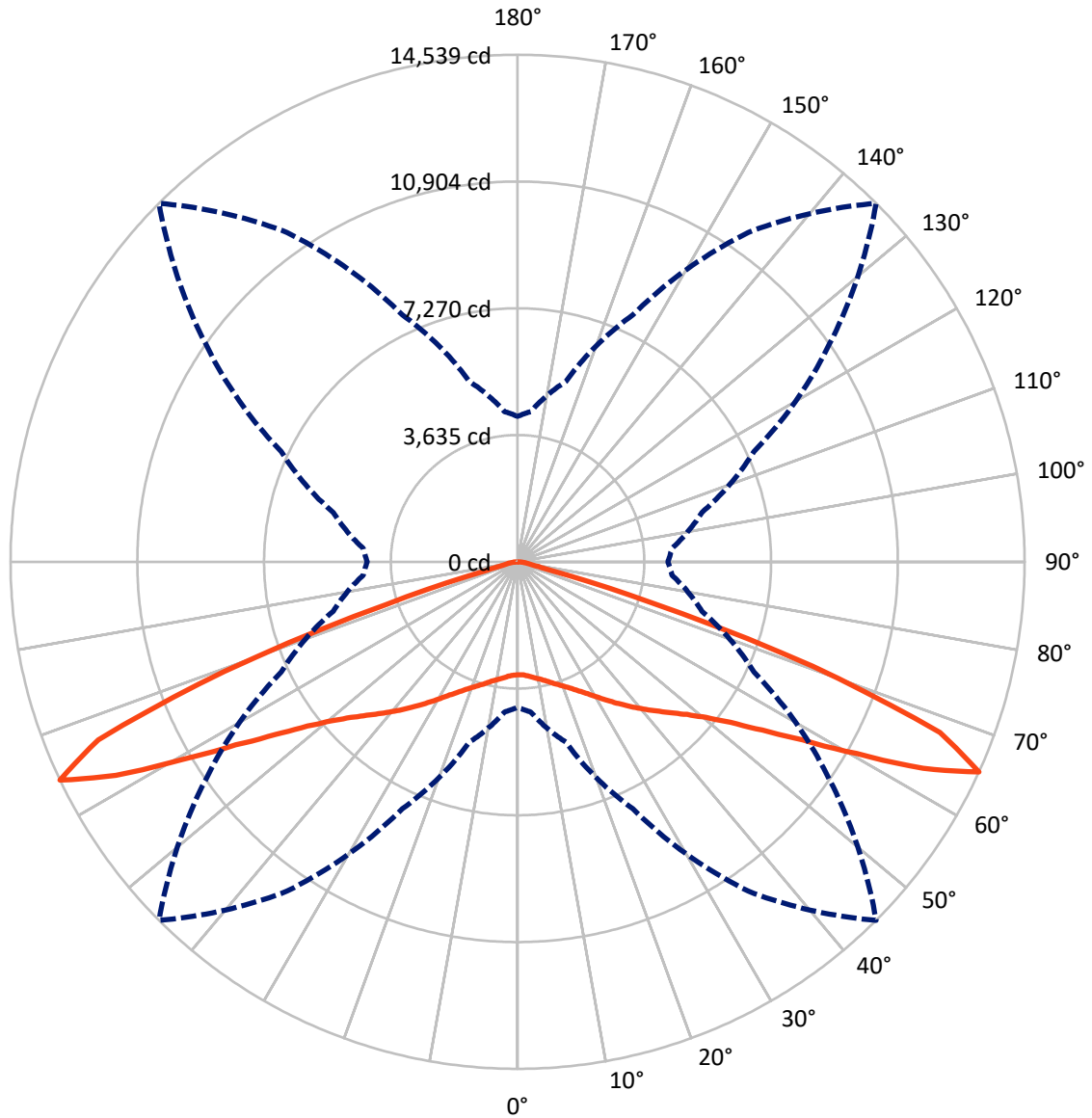
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.2 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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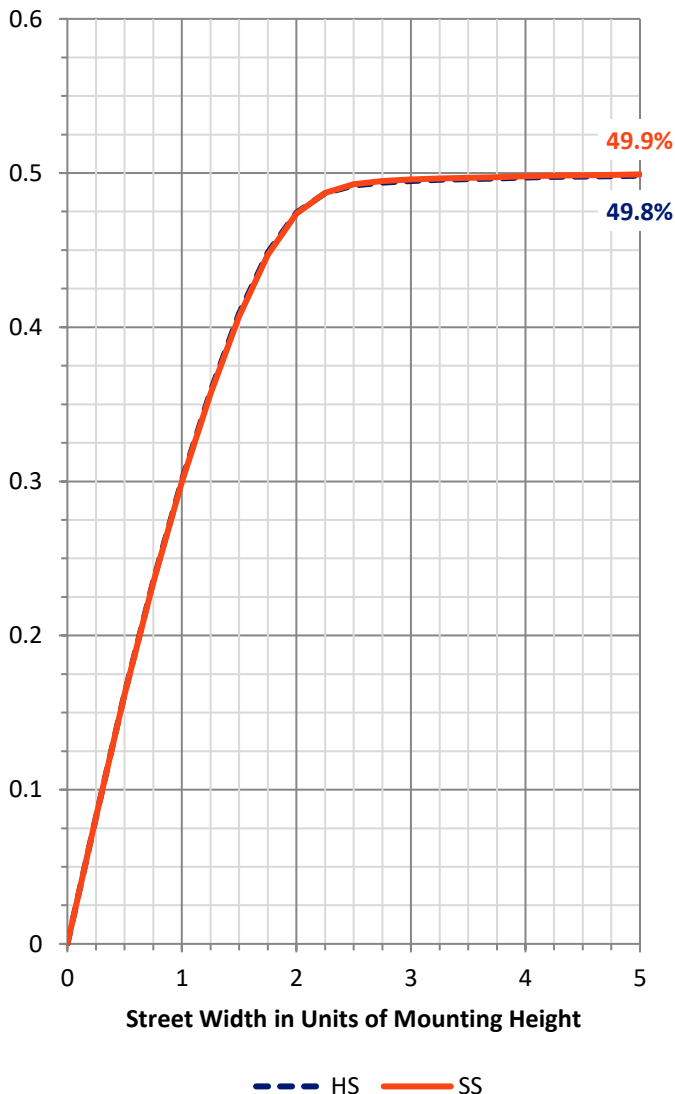
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	13415.5	0.0	13415.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	13415.5	0.0	13415.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	26831.0	0.0	26831.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	317.9	1.2
10°-20°	1021.8	3.8
20°-30°	1917.2	7.1
30°-40°	3170.6	11.8
40°-50°	4910.8	18.3
50°-60°	7531.8	28.1
60°-70°	7028.0	26.2
70°-80°	818.0	3.0
80°-90°	114.9	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°	26831.0	100.0
0°-180°	26831.0	100.0



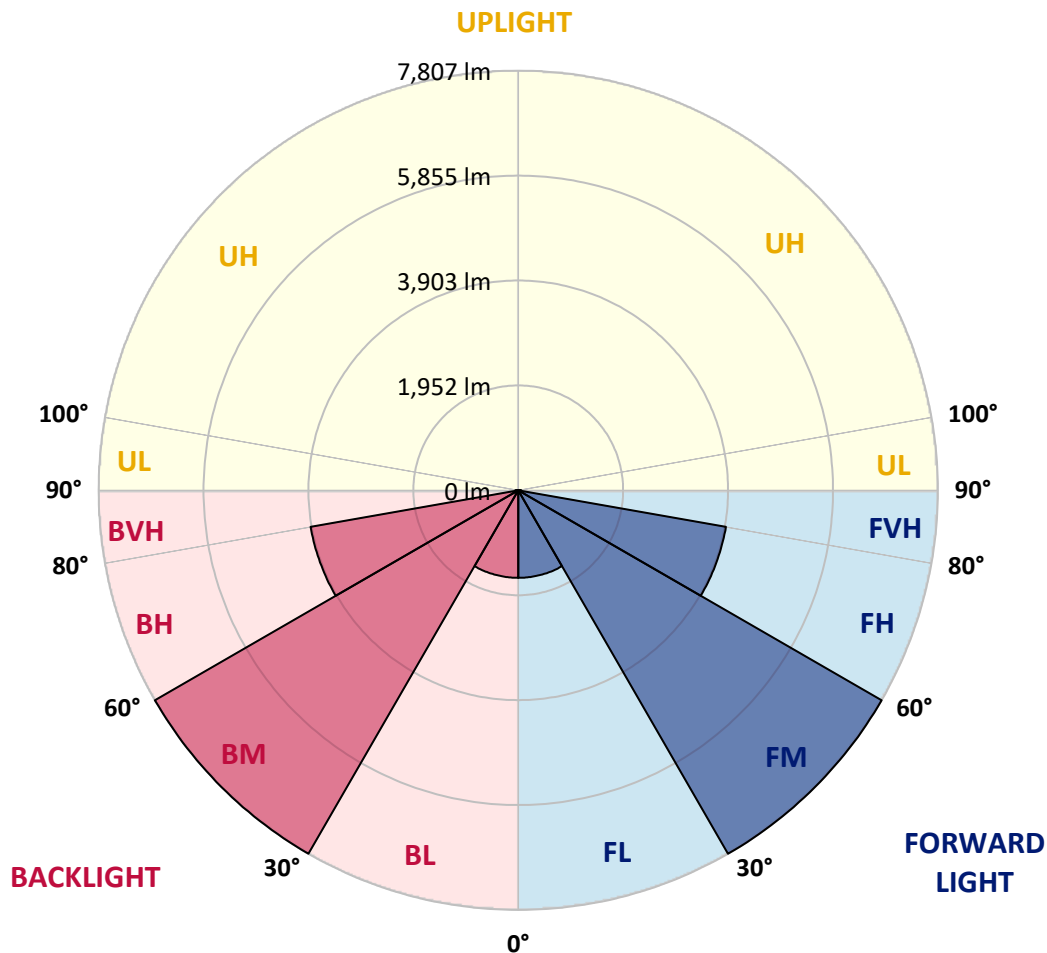
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1628.4	6.1			
FM (30°-60°)	7806.6	29.1			
FH (60°-80°)	3923.0	14.6			G2/5000
FVH (80°-90°)	57.5	0.2			G1/100
BL (0°-30°)	1628.4	6.1	B3/2500		
BM (30°-60°)	7806.6	29.1	B4/8500		
BH (60°-80°)	3923.0	14.6	B4/5000		G2/5000
BVH (80°-90°)	57.5	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°	3240.2	3240.2	3240.2	3240.2	3240.2	3240.2	3240.2	3240.2	3240.2	3240.2	3240.2
2.5°	3250.9	3249.1	3250.9	3251.8	3246.4	3249.1	3248.2	3252.7	3254.4	3252.7	3252.7
5°	3288.3	3285.6	3289.2	3293.6	3286.5	3288.3	3285.6	3291.0	3292.7	3289.2	3291.8
7.5°	3339.9	3340.8	3344.4	3352.4	3348.0	3351.5	3346.2	3347.1	3346.2	3340.8	3341.7
10°	3396.0	3396.9	3403.2	3413.9	3415.6	3415.6	3412.1	3409.4	3405.8	3402.3	3403.2
12.5°	3463.7	3468.2	3472.6	3486.0	3486.0	3493.1	3491.3	3484.2	3478.0	3472.6	3472.6
15°	3555.5	3554.6	3559.9	3573.3	3579.5	3591.1	3591.1	3581.3	3573.3	3567.9	3566.2
17.5°	3651.7	3654.3	3657.9	3673.9	3683.7	3697.1	3698.9	3690.9	3685.5	3678.4	3673.9
20°	3763.9	3768.3	3782.6	3788.8	3797.7	3810.2	3814.7	3812.9	3807.5	3804.0	3804.9
22.5°	3894.8	3906.4	3915.3	3924.2	3934.9	3943.8	3948.2	3954.5	3949.1	3946.5	3944.7
25°	4053.3	4061.4	4079.2	4095.2	4102.3	4105.0	4110.3	4119.3	4118.4	4112.1	4112.1
27.5°	4233.3	4248.4	4270.7	4293.8	4293.8	4284.9	4302.7	4317.9	4312.5	4304.5	4293.8
30°	4451.5	4465.7	4491.5	4523.6	4507.6	4501.3	4525.4	4553.0	4545.0	4531.6	4529.8
32.5°	4686.6	4700.0	4733.8	4768.5	4748.1	4739.1	4765.0	4805.1	4790.8	4764.1	4748.1
35°	4941.3	4954.7	5002.8	5044.6	5009.9	4994.8	5016.1	5059.8	5034.8	4985.0	4972.5
37.5°	5218.3	5225.4	5287.8	5330.5	5306.5	5266.4	5293.1	5325.2	5303.8	5243.3	5219.2
40°	5506.0	5531.8	5604.0	5653.8	5612.0	5548.7	5593.3	5637.8	5605.7	5528.3	5487.3
42.5°	5841.8	5861.4	5957.6	6002.1	5934.4	5845.3	5905.9	5966.5	5934.4	5859.6	5824.0
45°	6190.9	6221.2	6336.1	6380.6	6282.6	6169.5	6243.5	6349.4	6346.8	6239.0	6201.6
47.5°	6571.2	6601.5	6738.7	6797.4	6691.5	6540.0	6644.2	6793.9	6783.2	6664.7	6634.4
50°	7010.3	7042.4	7213.4	7287.3	7188.4	7012.1	7168.8	7300.7	7281.1	7135.0	7137.7
52.5°	7561.6	7559.8	7772.7	7901.0	7799.4	7643.6	7787.8	7916.1	7835.0	7632.9	7626.6
55°	8044.3	8073.7	8337.4	8580.5	8574.3	8514.6	8572.5	8577.8	8346.3	8077.3	8044.3
57.5°	8361.4	8417.5	8788.9	9228.9	9558.5	9637.7	9525.5	9185.3	8642.9	8212.7	8160.1
60°	8166.4	8251.9	8835.2	9732.1	10702.9	11168.7	10535.5	9480.1	8412.2	7812.8	7741.5
62.5°	6850.0	6994.3	7848.4	9489.0	11688.0	13049.8	11267.6	9007.1	7494.8	6669.2	6547.2
65°	4171.8	4324.1	5353.7	7810.1	11528.6	14539.0	10933.6	7476.1	5470.4	4443.5	4311.6
67.5°	1390.3	1434.8	2041.4	4317.0	9060.6	13063.2	9075.7	4475.5	2380.7	1578.2	1531.9
70°	544.2	548.6	647.5	1251.4	4278.7	8972.4	4721.3	1273.6	676.9	535.3	546.9
72.5°	399.9	401.7	429.3	522.8	1115.1	3952.7	1155.2	525.5	417.7	375.0	375.0
75°	321.5	321.5	341.1	381.2	499.7	906.7	506.8	376.7	326.9	299.3	295.7
77.5°	253.8	259.2	274.3	300.1	338.4	436.4	350.9	298.4	263.6	237.8	232.5
80°	188.8	194.2	219.1	231.6	243.1	302.8	259.2	233.4	208.4	178.1	172.8
82.5°	123.8	129.1	160.3	167.4	164.8	197.7	174.6	171.9	153.2	114.9	109.5
85°	81.0	82.8	106.9	111.3	102.4	90.0	111.3	117.6	106.9	74.8	72.1
87.5°	38.3	38.3	54.3	50.8	46.3	37.4	50.8	59.7	60.6	36.5	35.6
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)