

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: P316838

Luminaire Tested: **GAN-SA4B-750-U-5NQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316838
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-SA4B-750-U-5NQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(4) 70 CRI, 5000K, 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: 23778 lumens
Efficiency: N/A
Efficacy: 139.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

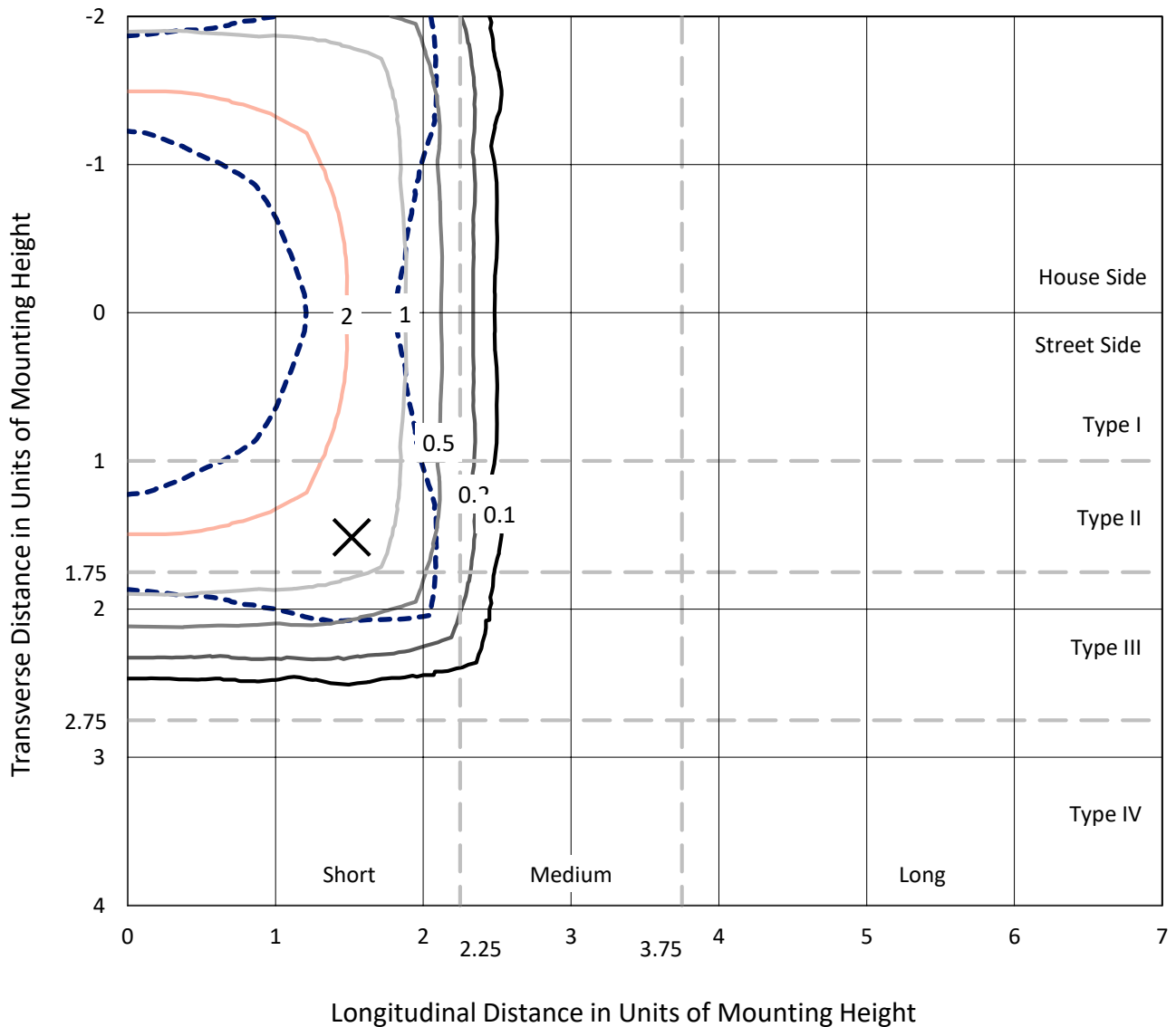
Input Watts (W): 171
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

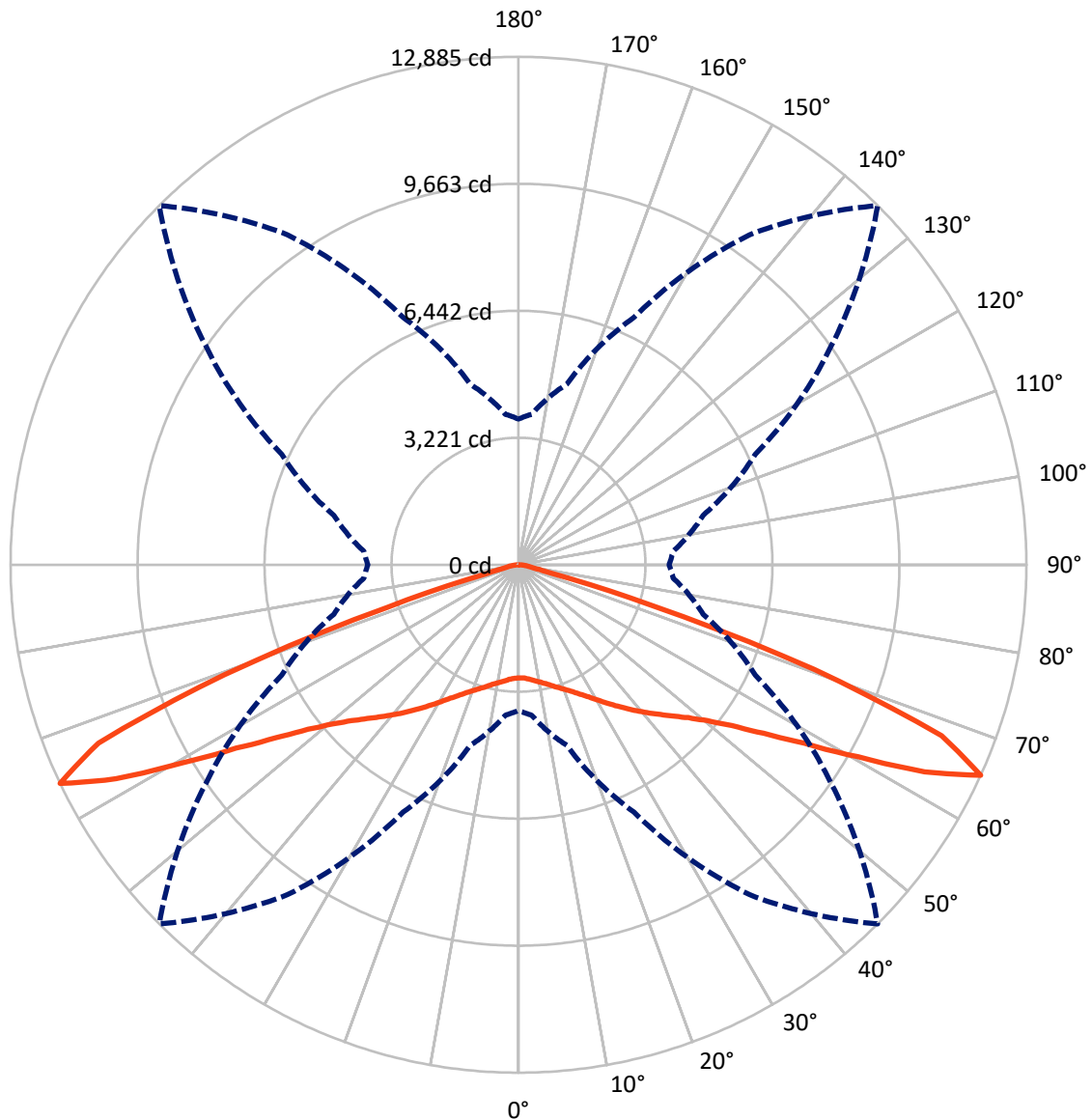
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.6 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	11889.0	0.0	11889.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	11889.0	0.0	11889.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	23778.0	0.0	23778.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	281.7	1.2
10°-20°	905.6	3.8
20°-30°	1699.0	7.1
30°-40°	2809.8	11.8
40°-50°	4352.0	18.3
50°-60°	6674.8	28.1
60°-70°	6228.3	26.2
70°-80°	724.9	3.0
80°-90°	101.9	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°	23778.0	100.0
0°-180°	23778.0	100.0

Coefficient of Utilization

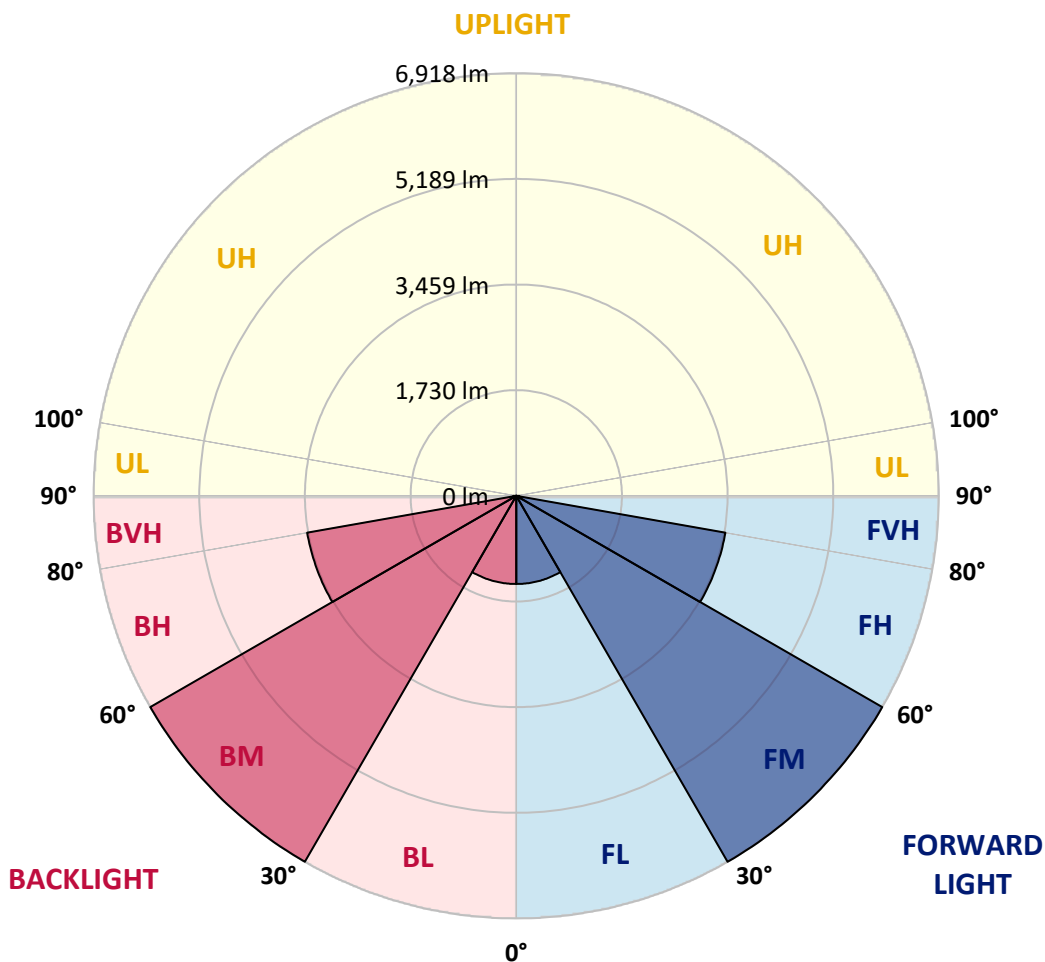


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1443.1	6.1			
FM (30°-60°)	6918.3	29.1			
FH (60°-80°)	3476.6	14.6			G2/5000
FVH (80°-90°)	50.9	0.2			G1/100
BL (0°-30°)	1443.1	6.1	B3/2500		
BM (30°-60°)	6918.3	29.1	B4/8500		
BH (60°-80°)	3476.6	14.6	B4/5000		G2/5000
BVH (80°-90°)	50.9	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°	2871.5	2871.5	2871.5	2871.5	2871.5	2871.5	2871.5	2871.5	2871.5	2871.5	2871.5
2.5°	2881.0	2879.4	2881.0	2881.8	2877.0	2879.4	2878.6	2882.5	2884.1	2882.5	2882.5
5°	2914.1	2911.7	2914.9	2918.9	2912.5	2914.1	2911.7	2916.5	2918.1	2914.9	2917.3
7.5°	2959.9	2960.7	2963.8	2970.9	2967.0	2970.2	2965.4	2966.2	2965.4	2960.7	2961.5
10°	3009.6	3010.4	3015.9	3025.4	3027.0	3027.0	3023.8	3021.5	3018.3	3015.1	3015.9
12.5°	3069.6	3073.6	3077.5	3089.3	3089.3	3095.7	3094.1	3087.8	3082.2	3077.5	3077.5
15°	3150.9	3150.1	3154.9	3166.7	3172.2	3182.5	3182.5	3173.8	3166.7	3162.0	3160.4
17.5°	3236.2	3238.5	3241.7	3255.9	3264.6	3276.4	3278.0	3270.9	3266.1	3259.8	3255.9
20°	3335.6	3339.6	3352.2	3357.7	3365.6	3376.7	3380.6	3379.0	3374.3	3371.1	3371.9
22.5°	3451.6	3461.9	3469.8	3477.7	3487.2	3495.0	3499.0	3504.5	3499.8	3497.4	3495.8
25°	3592.1	3599.2	3615.0	3629.2	3635.5	3637.9	3642.6	3650.5	3649.8	3644.2	3644.2
27.5°	3751.6	3765.0	3784.7	3805.2	3805.2	3797.4	3813.1	3826.6	3821.8	3814.7	3805.2
30°	3945.0	3957.6	3980.5	4008.9	3994.7	3989.2	4010.5	4034.9	4027.8	4016.0	4014.4
32.5°	4153.3	4165.2	4195.2	4225.9	4207.8	4199.9	4222.8	4258.3	4245.7	4222.0	4207.8
35°	4379.1	4390.9	4433.5	4470.6	4439.8	4426.4	4445.4	4484.0	4461.9	4417.7	4406.7
37.5°	4624.5	4630.9	4686.1	4724.0	4702.7	4667.2	4690.8	4719.3	4700.3	4646.6	4625.3
40°	4879.5	4902.4	4966.3	5010.5	4973.4	4917.4	4956.8	4996.3	4967.9	4899.2	4862.9
42.5°	5177.1	5194.4	5279.7	5319.1	5259.1	5180.2	5233.9	5287.6	5259.1	5192.8	5161.3
45°	5486.5	5513.3	5615.1	5654.6	5567.8	5467.5	5533.0	5627.0	5624.6	5529.1	5495.9
47.5°	5823.5	5850.3	5971.9	6024.0	5930.1	5795.9	5888.2	6020.8	6011.4	5906.4	5879.5
50°	6212.6	6241.0	6392.6	6458.1	6370.5	6214.2	6353.1	6469.9	6452.6	6323.1	6325.5
52.5°	6701.2	6699.6	6888.3	7001.9	6912.0	6773.8	6901.7	7015.4	6943.5	6764.4	6758.8
55°	7129.0	7155.1	7388.7	7604.2	7598.6	7545.8	7597.1	7601.8	7396.6	7158.2	7129.0
57.5°	7410.0	7459.7	7788.9	8178.8	8470.8	8541.1	8441.6	8140.1	7659.4	7278.2	7231.6
60°	7237.1	7312.9	7829.9	8624.7	9485.1	9897.9	9336.7	8401.4	7455.0	6923.8	6860.6
62.5°	6070.6	6198.4	6955.4	8409.3	10358.1	11564.9	9985.5	7982.2	6642.0	5910.3	5802.2
65°	3697.1	3832.1	4744.5	6921.4	10216.8	12884.6	9689.5	6625.4	4847.9	3937.8	3821.0
67.5°	1232.1	1271.6	1809.1	3825.8	8029.6	11576.7	8043.0	3966.3	2109.8	1398.6	1357.6
70°	482.3	486.2	573.8	1109.0	3791.8	7951.5	4184.1	1128.7	599.9	474.4	484.6
72.5°	354.4	356.0	380.4	463.3	988.2	3502.9	1023.7	465.7	370.2	332.3	332.3
75°	284.9	284.9	302.3	337.8	442.8	803.5	449.1	333.9	289.7	265.2	262.0
77.5°	225.0	229.7	243.1	266.0	299.9	386.8	311.0	264.4	233.6	210.7	206.0
80°	167.3	172.1	194.2	205.2	215.5	268.4	229.7	206.8	184.7	157.9	153.1
82.5°	109.7	114.4	142.1	148.4	146.0	175.2	154.7	152.3	135.8	101.8	97.1
85°	71.8	73.4	94.7	98.7	90.8	79.7	98.7	104.2	94.7	66.3	63.9
87.5°	33.9	33.9	48.1	45.0	41.0	33.2	45.0	52.9	53.7	32.4	31.6
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)