

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: P316444

Luminaire Tested: **GAN-SA0B-730-U-5MQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316444
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-SA0B-730-U-5MQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(10) 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: 54114 lumens
Efficiency: N/A
Efficacy: 129.2 lumens/watt
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G5

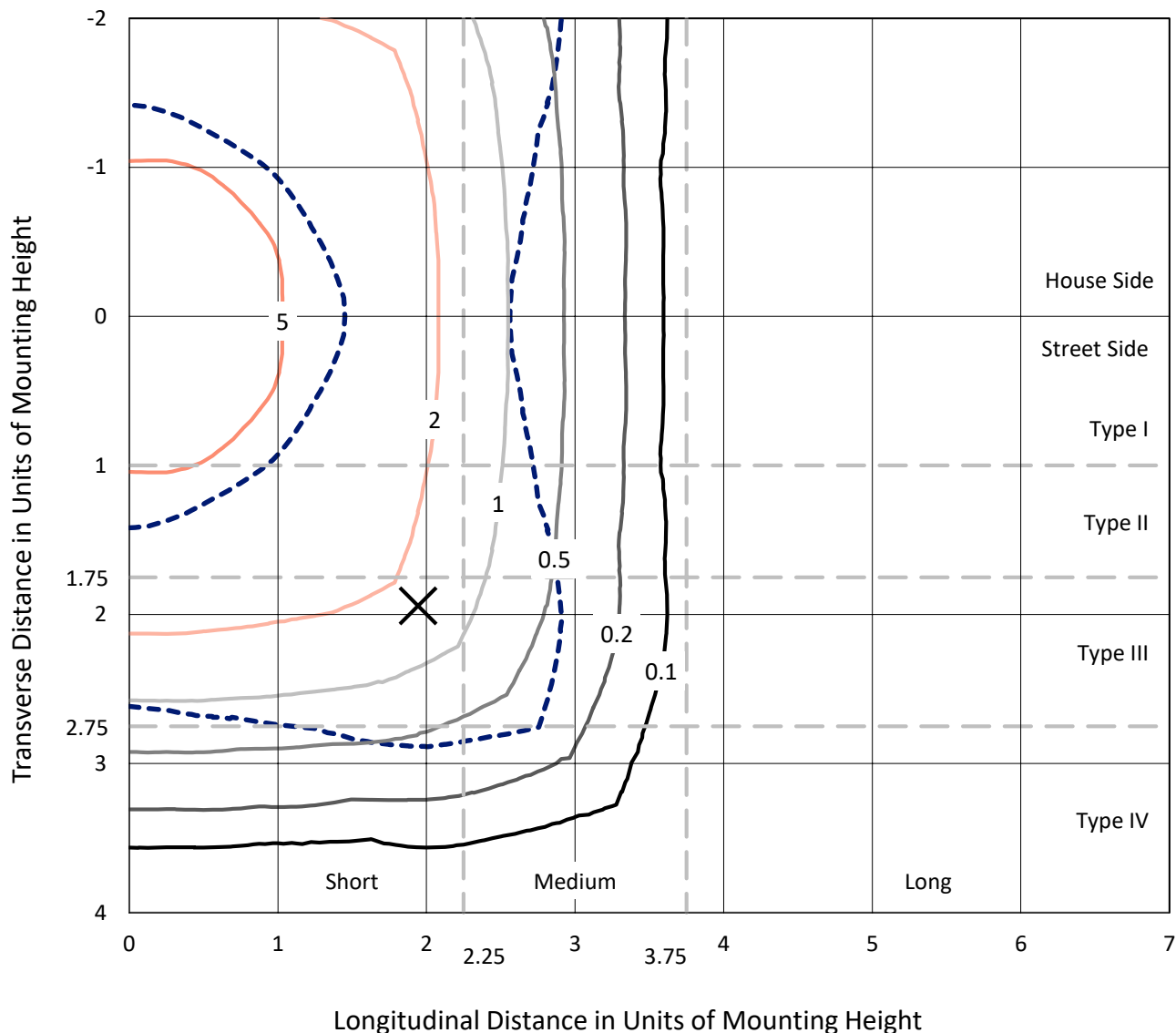
Input Watts (W): 419
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

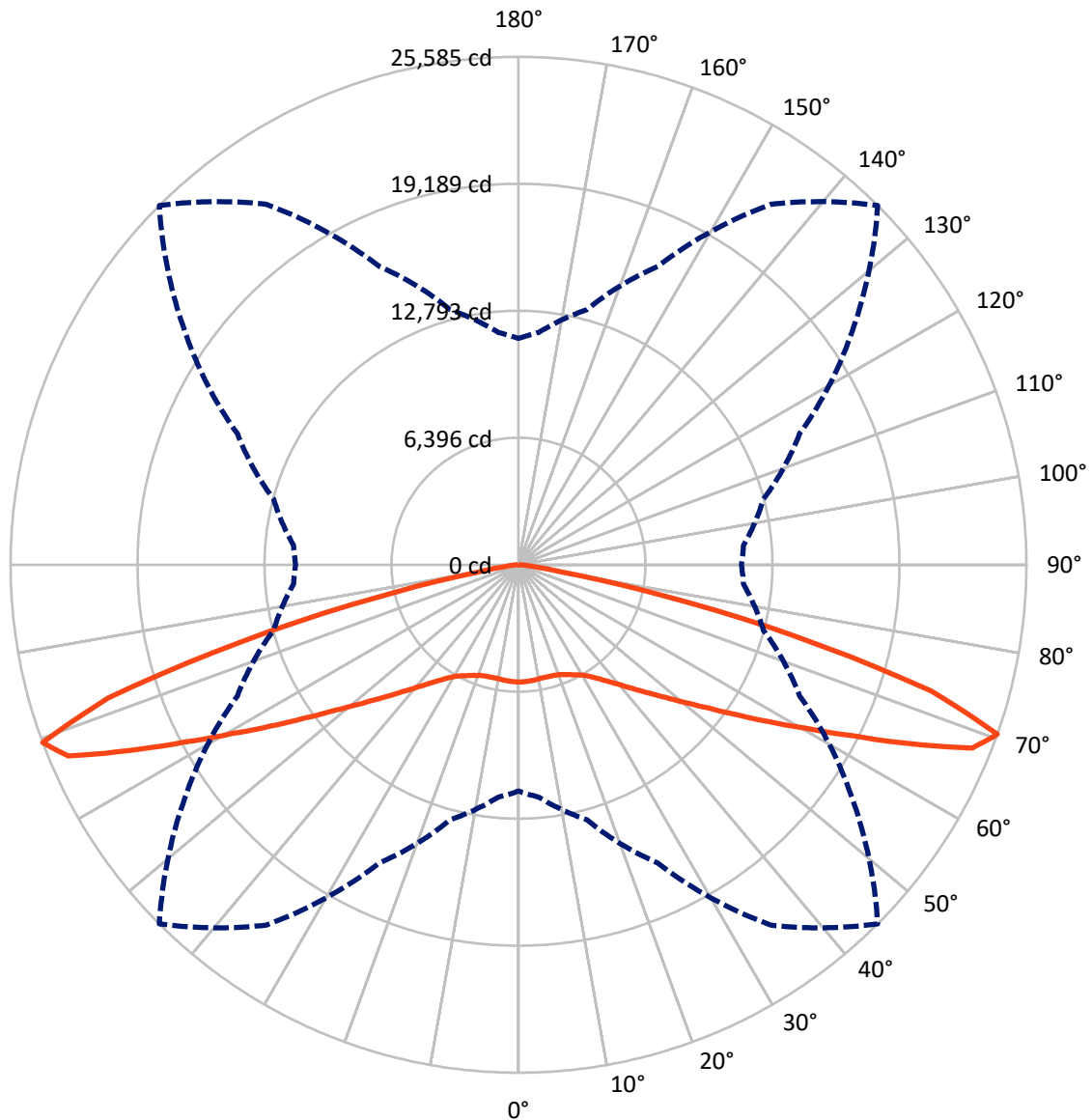
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.5 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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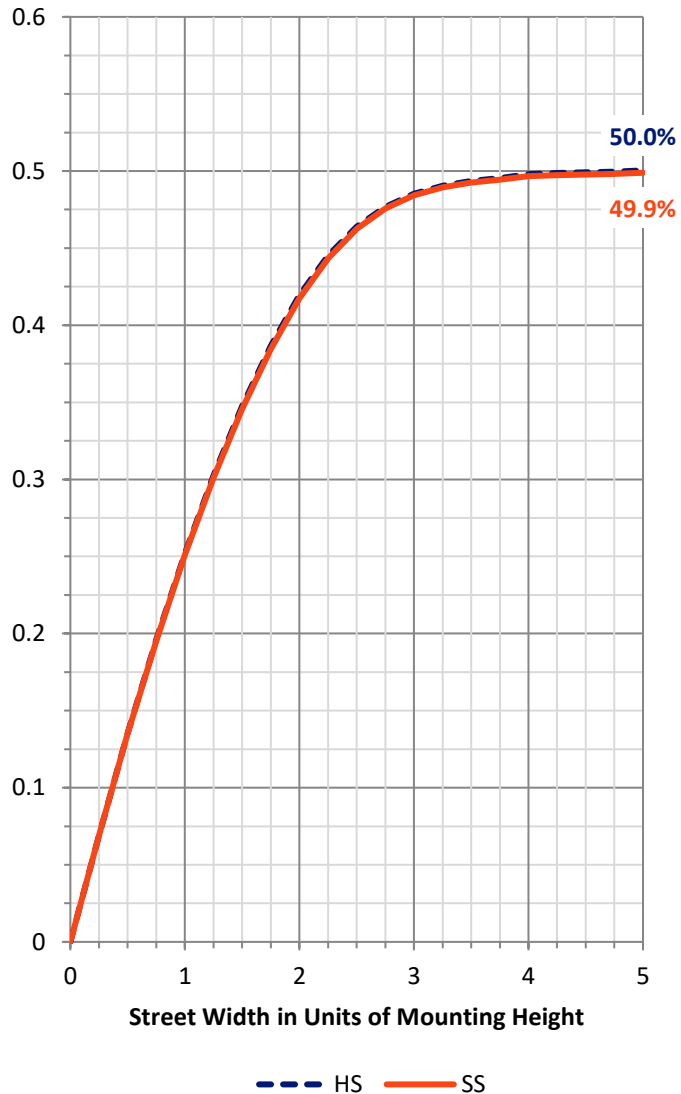
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	27057.0	0.0	27057.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	27057.0	0.0	27057.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	54114.0	0.0	54114.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	559.8	1.0
10°-20°	1643.3	3.0
20°-30°	2797.4	5.2
30°-40°	4436.6	8.2
40°-50°	7219.8	13.3
50°-60°	11904.1	22.0
60°-70°	17475.5	32.3
70°-80°	7727.6	14.3
80°-90°	349.9	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°	54114.0	100.0
0°-180°	54114.0	100.0

Coefficient of Utilization

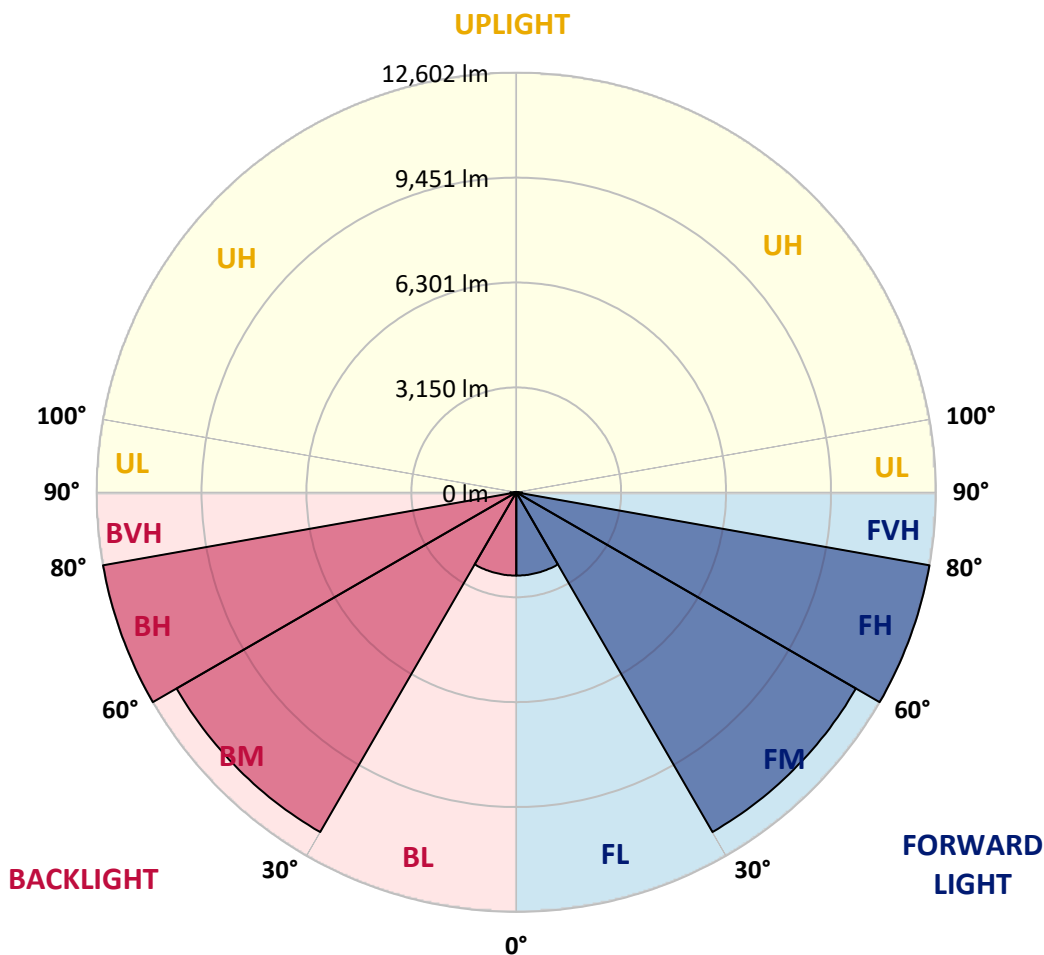


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2500.2	4.6			
FM (30°-60°)	11780.2	21.8			
FH (60°-80°)	12601.6	23.3			G5
FVH (80°-90°)	175.0	0.3			G2/225
BL (0°-30°)	2500.2	4.6	B4/5000		
BM (30°-60°)	11780.2	21.8	B5		
BH (60°-80°)	12601.6	23.3	B5		G5
BVH (80°-90°)	175.0	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-G5
 Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	5910.1	5910.1	5910.1	5910.1	5910.1	5910.1	5910.1	5910.1	5910.1	5910.1	5910.1
2.5°	5901.1	5895.8	5908.3	5906.5	5895.8	5897.6	5897.6	5902.9	5902.9	5899.3	5899.3
5°	5879.6	5876.1	5890.4	5890.4	5879.6	5883.2	5886.8	5892.2	5890.4	5886.8	5885.0
7.5°	5852.8	5851.0	5865.3	5865.3	5858.2	5861.7	5858.2	5859.9	5856.4	5852.8	5847.4
10°	5808.0	5811.6	5824.1	5827.7	5827.7	5829.5	5825.9	5817.0	5811.6	5806.2	5800.8
12.5°	5766.8	5765.0	5782.9	5791.9	5806.2	5822.3	5811.6	5786.5	5775.8	5765.0	5761.4
15°	5740.0	5741.7	5759.7	5775.8	5800.8	5834.9	5822.3	5782.9	5761.4	5748.9	5745.3
17.5°	5734.6	5738.2	5761.4	5790.1	5817.0	5854.6	5847.4	5808.0	5772.2	5748.9	5743.5
20°	5747.1	5748.9	5784.7	5825.9	5872.5	5908.3	5892.2	5849.2	5800.8	5765.0	5756.1
22.5°	5770.4	5777.6	5822.3	5886.8	5958.4	6006.8	5987.1	5913.7	5838.5	5793.7	5781.1
25°	5843.8	5845.6	5906.5	5994.3	6080.2	6135.7	6112.5	6008.6	5911.9	5861.7	5845.6
27.5°	5996.1	6001.4	6062.3	6164.4	6237.8	6273.7	6259.3	6175.1	6092.8	6039.0	6044.4
30°	6216.3	6223.5	6291.6	6404.4	6449.2	6458.1	6454.5	6415.1	6339.9	6268.3	6273.7
32.5°	6485.0	6488.6	6579.9	6682.0	6717.8	6725.0	6717.8	6682.0	6592.4	6495.7	6501.1
35°	6830.6	6841.4	6929.1	7027.6	7056.3	7070.6	7058.1	7011.5	6918.4	6823.5	6819.9
37.5°	7256.9	7258.7	7350.0	7452.1	7487.9	7491.5	7477.2	7446.7	7330.3	7244.3	7239.0
40°	7751.2	7758.3	7865.8	7975.0	7989.4	7973.2	7993.0	7975.0	7855.0	7756.5	7772.7
42.5°	8352.9	8369.0	8498.0	8605.5	8564.3	8555.3	8567.8	8573.2	8476.5	8356.5	8345.8
45°	9053.2	9067.5	9228.7	9314.7	9287.8	9228.7	9253.8	9296.8	9162.4	9013.8	9028.1
47.5°	9851.9	9887.8	10059.7	10140.3	10074.0	9993.4	10041.8	10106.3	9948.7	9764.2	9755.2
50°	10740.2	10785.0	11014.3	11127.1	11060.8	10912.2	10992.8	11035.8	10808.3	10570.1	10550.4
52.5°	11687.7	11732.4	12020.8	12253.6	12210.6	11979.6	12092.4	12047.6	11786.2	11465.6	11440.5
55°	12760.4	12778.3	13090.0	13466.1	13509.0	13338.9	13331.7	13258.3	12871.5	12500.7	12482.8
57.5°	13863.6	13876.2	14279.1	14723.3	14925.7	14925.7	14725.1	14569.3	14055.3	13625.4	13580.7
60°	15054.6	15099.4	15545.3	16148.9	16621.7	16761.4	16406.8	15982.3	15423.5	14898.8	14846.9
62.5°	16114.8	16166.8	16849.1	17748.2	18507.5	19016.2	18149.4	17458.1	16440.8	15599.1	15500.6
65°	16249.2	16388.9	17382.8	19010.8	20710.4	21725.9	20063.9	18360.7	16507.1	15337.6	15237.3
67.5°	14839.7	15076.1	16419.3	18953.5	22465.5	24645.1	21287.1	17844.9	15317.9	14024.8	13913.8
70°	11402.9	11746.8	13295.9	16578.7	22162.8	25585.3	20520.6	15622.3	12771.2	11379.6	11223.8
72.5°	6255.7	6397.2	7790.6	11352.7	17767.9	21742.0	17116.0	11551.5	8469.3	6891.5	6630.0
75°	1984.4	2034.5	2743.7	4645.7	10050.7	14400.9	10872.8	5670.1	3121.6	2301.4	2274.5
77.5°	881.1	886.5	992.2	1355.7	3461.9	7296.3	4158.6	1543.8	1063.8	929.5	959.9
80°	557.0	557.0	614.3	671.6	942.0	2118.7	1124.7	734.3	626.8	582.1	594.6
82.5°	266.8	295.5	399.4	429.8	517.6	712.8	576.7	480.0	419.1	311.6	290.1
85°	175.5	146.9	252.5	284.8	300.9	342.1	334.9	317.0	274.0	155.8	173.7
87.5°	78.8	75.2	130.7	120.0	112.8	86.0	128.9	159.4	154.0	77.0	77.0
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)