

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: P316404

Luminaire Tested: **GAN-SA0B-727-U-5MQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316404
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-727-U-5MQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(10) 70 CRI, 2700K, 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: 49693 lumens
Efficiency: N/A
Efficacy: 118.6 lumens/watt
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

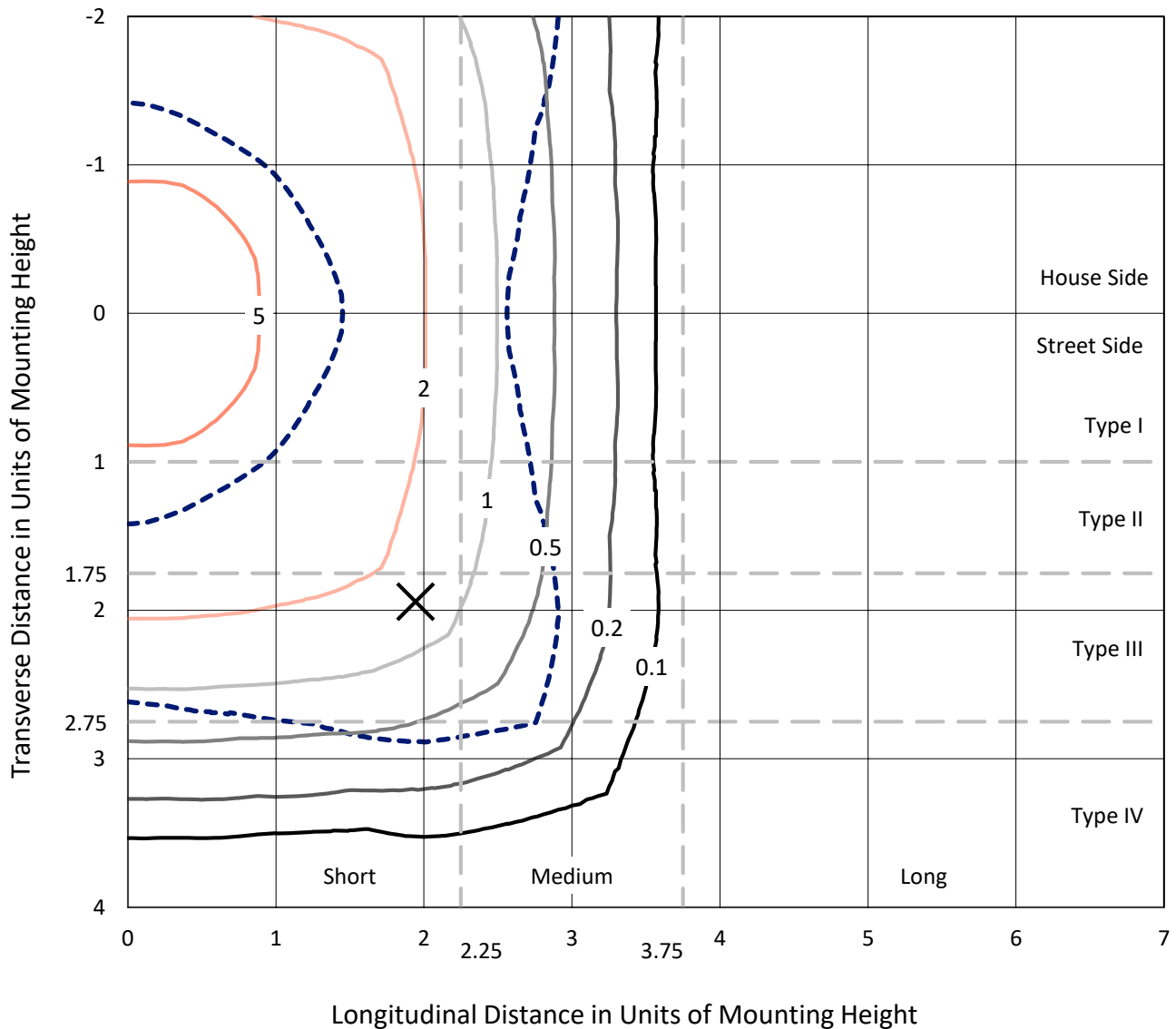
Input Watts (W): 419
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

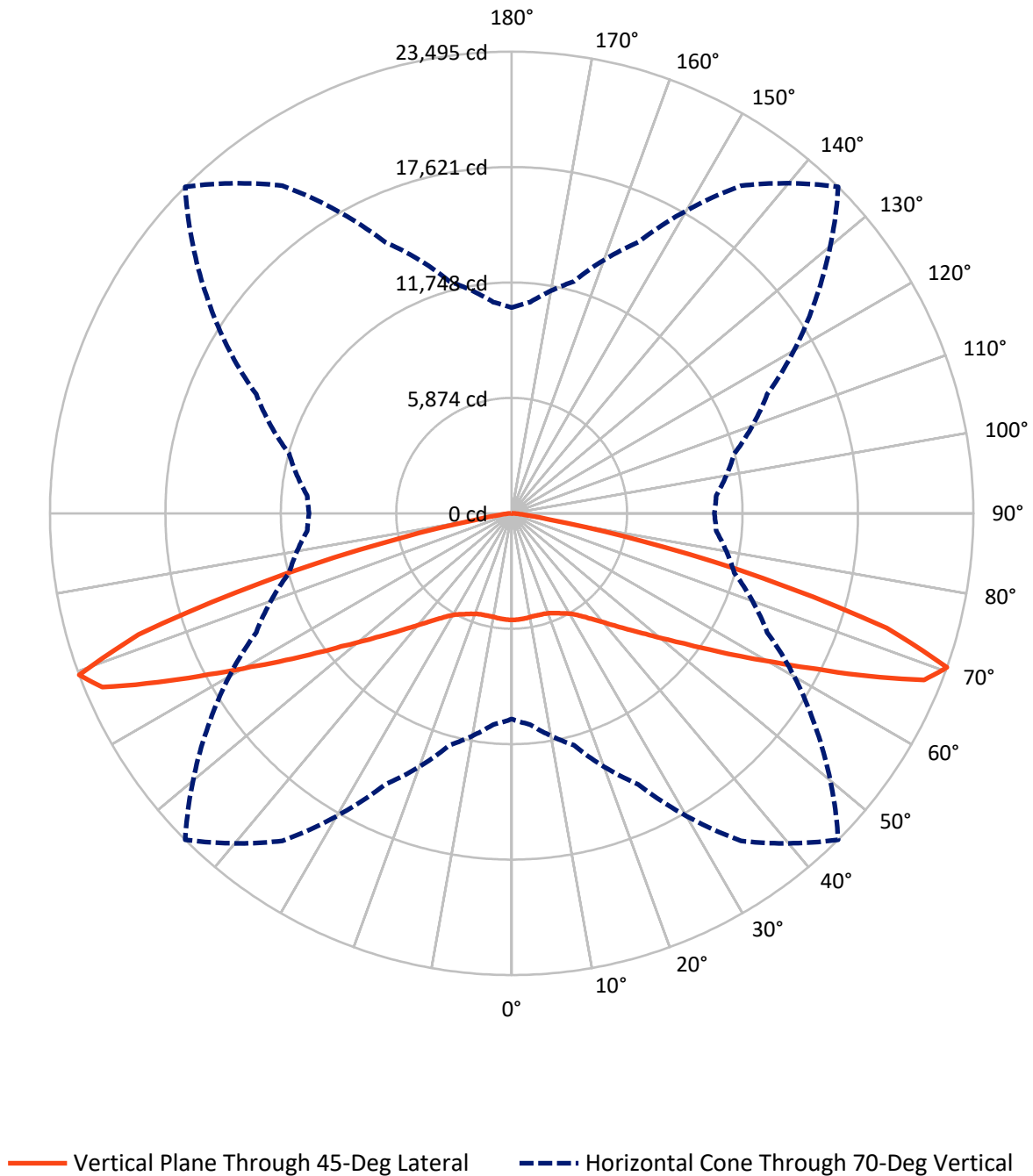
× Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.7 fc
Type V - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	24846.5	0.0	24846.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	24846.5	0.0	24846.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	49693.0	0.0	49693.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	514.0	1.0
10°-20°	1509.0	3.0
20°-30°	2568.8	5.2
30°-40°	4074.2	8.2
40°-50°	6629.9	13.3
50°-60°	10931.6	22.0
60°-70°	16047.8	32.3
70°-80°	7096.3	14.3
80°-90°	321.4	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°	49693.0	100.0
0°-180°	49693.0	100.0

Coefficient of Utilization



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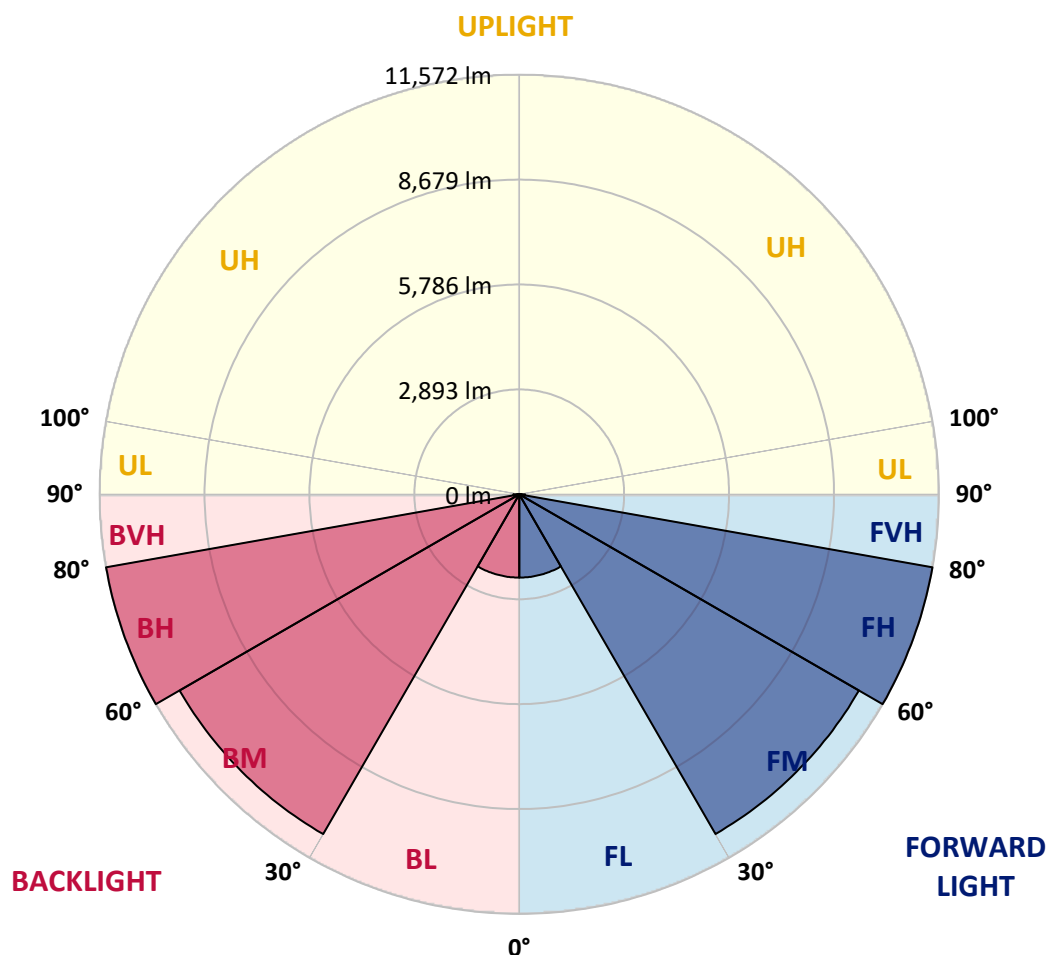
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2295.9	4.6			
FM	(30°-60°)	10817.8	21.8			
FH	(60°-80°)	11572.1	23.3			G4/12000
FVH	(80°-90°)	160.7	0.3			G2/225
BL	(0°-30°)	2295.9	4.6	B3/2500		
BM	(30°-60°)	10817.8	21.8	B5		
BH	(60°-80°)	11572.1	23.3	B5		G4/12000
BVH	(80°-90°)	160.7	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°	5427.2	5427.2	5427.2	5427.2	5427.2	5427.2	5427.2	5427.2	5427.2	5427.2	5427.2
2.5°	5419.0	5414.1	5425.6	5424.0	5414.1	5415.7	5415.7	5420.7	5420.7	5417.4	5417.4
5°	5399.3	5396.0	5409.2	5409.2	5399.3	5402.6	5405.9	5410.8	5409.2	5405.9	5404.2
7.5°	5374.6	5373.0	5386.1	5386.1	5379.6	5382.8	5379.6	5381.2	5377.9	5374.6	5369.7
10°	5333.5	5336.8	5348.3	5351.6	5351.6	5353.2	5350.0	5341.7	5336.8	5331.9	5326.9
12.5°	5295.7	5294.0	5310.5	5318.7	5331.9	5346.7	5336.8	5313.8	5303.9	5294.0	5290.7
15°	5271.0	5272.7	5289.1	5303.9	5326.9	5358.2	5346.7	5310.5	5290.7	5279.2	5275.9
17.5°	5266.1	5269.4	5290.7	5317.1	5341.7	5376.3	5369.7	5333.5	5300.6	5279.2	5274.3
20°	5277.6	5279.2	5312.1	5350.0	5392.7	5425.6	5410.8	5371.3	5326.9	5294.0	5285.8
22.5°	5299.0	5305.5	5346.7	5405.9	5471.7	5516.1	5498.0	5430.5	5361.5	5320.3	5308.8
25°	5366.4	5368.0	5424.0	5504.5	5583.5	5634.5	5613.1	5517.7	5428.9	5382.8	5368.0
27.5°	5506.2	5511.1	5567.0	5660.8	5728.2	5761.1	5747.9	5670.7	5595.0	5545.7	5550.6
30°	5708.5	5715.1	5777.6	5881.2	5922.3	5930.5	5927.2	5891.0	5822.0	5756.2	5761.1
32.5°	5955.2	5958.5	6042.3	6136.1	6169.0	6175.6	6169.0	6136.1	6053.8	5965.0	5970.0
35°	6272.6	6282.5	6363.0	6453.5	6479.8	6493.0	6481.5	6438.7	6353.2	6266.0	6262.7
37.5°	6664.0	6665.6	6749.5	6843.3	6876.2	6879.4	6866.3	6838.3	6731.4	6652.5	6647.6
40°	7117.9	7124.5	7223.2	7323.5	7336.7	7321.9	7339.9	7323.5	7213.3	7122.9	7137.7
42.5°	7670.5	7685.3	7803.7	7902.4	7864.6	7856.4	7867.9	7872.8	7784.0	7673.8	7663.9
45°	8313.6	8326.7	8474.7	8553.7	8529.0	8474.7	8497.8	8537.2	8413.9	8277.4	8290.5
47.5°	9047.1	9080.0	9237.8	9311.8	9251.0	9177.0	9221.4	9280.6	9135.9	8966.5	8958.2
50°	9862.8	9903.9	10114.4	10218.0	10157.2	10020.7	10094.7	10134.2	9925.3	9706.6	9688.5
52.5°	10732.8	10773.9	11038.7	11252.5	11213.0	11000.9	11104.5	11063.4	10823.3	10528.9	10505.8
55°	11717.9	11734.4	12020.5	12365.9	12405.4	12249.1	12242.6	12175.1	11819.9	11479.5	11463.0
57.5°	12731.0	12742.5	13112.6	13520.4	13706.3	13706.3	13522.1	13379.0	12907.0	12512.3	12471.2
60°	13824.7	13865.8	14275.3	14829.5	15263.7	15392.0	15066.4	14676.6	14163.5	13681.6	13633.9
62.5°	14798.3	14846.0	15472.6	16298.2	16995.5	17462.6	16666.6	16031.8	15097.6	14324.6	14234.2
65°	14921.6	15049.9	15962.7	17457.7	19018.4	19950.9	18424.7	16860.7	15158.5	14084.5	13992.4
67.5°	13627.3	13844.4	15077.9	17405.0	20630.1	22631.6	19548.0	16387.0	14066.4	12879.0	12777.1
70°	10471.3	10787.1	12209.7	15224.3	20352.2	23495.1	18844.1	14346.0	11727.8	10449.9	10306.8
72.5°	5744.7	5874.6	7154.1	10425.3	16316.3	19965.7	15717.6	10607.8	7777.4	6328.5	6088.4
75°	1822.2	1868.3	2519.6	4266.1	9229.6	13224.4	9984.5	5206.9	2866.6	2113.3	2088.7
77.5°	809.2	814.1	911.1	1245.0	3179.1	6700.2	3818.8	1417.7	976.9	853.6	881.5
80°	511.5	511.5	564.1	616.7	865.1	1945.6	1032.8	674.3	575.6	534.5	546.0
82.5°	245.0	271.4	366.8	394.7	475.3	654.6	529.6	440.8	384.8	286.2	266.4
85°	161.2	134.9	231.9	261.5	276.3	314.1	307.5	291.1	251.6	143.1	159.5
87.5°	72.4	69.1	120.1	110.2	103.6	78.9	118.4	146.4	141.4	70.7	70.7
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)