

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: P316644

Luminaire Tested: **GAN-SA0B-830-U-5MQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316644
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-830-U-5MQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(10) 80 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: 47218 lumens
Efficiency: N/A
Efficacy: 112.7 lumens/watt
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

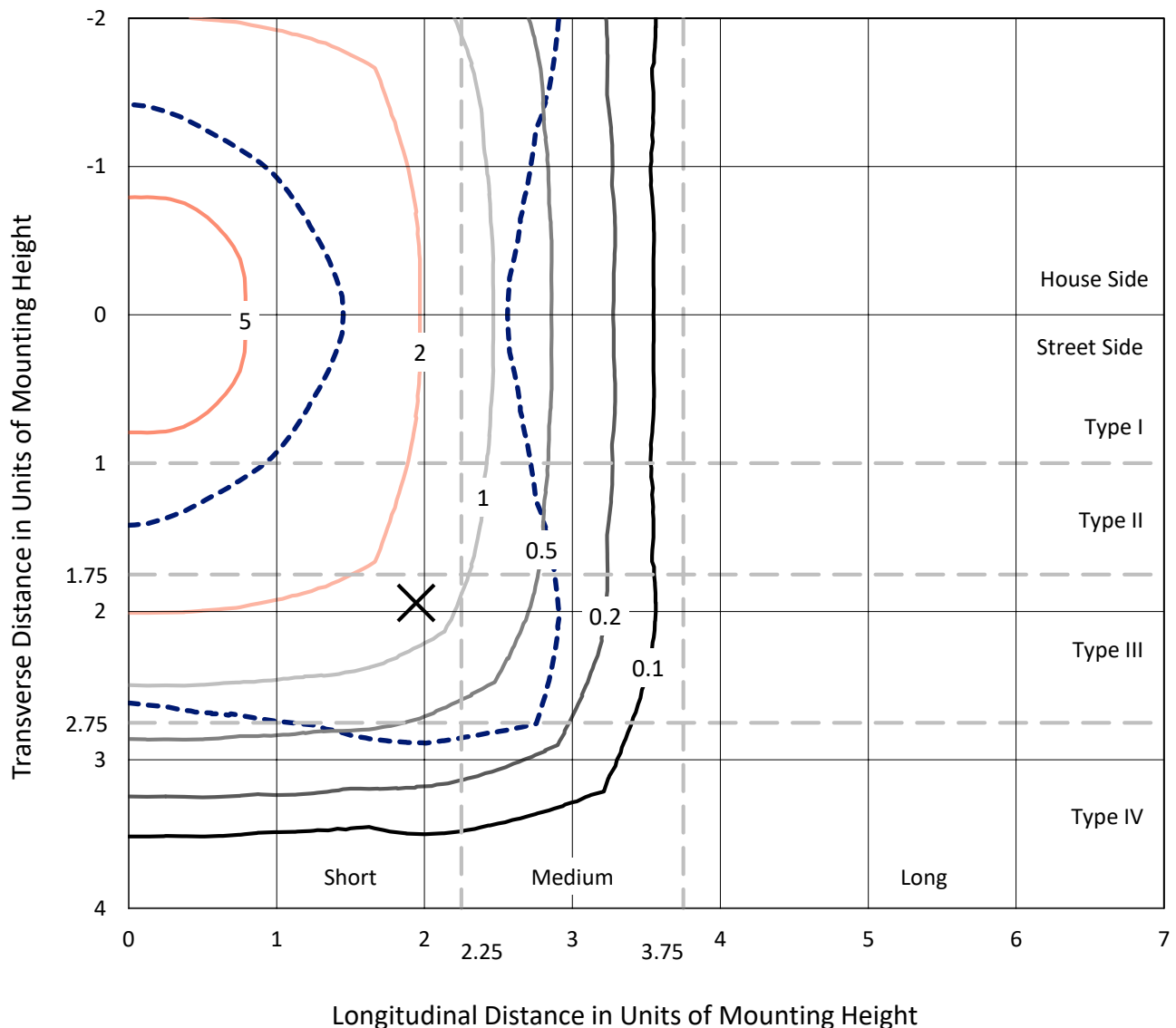
Input Watts (W): 419
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

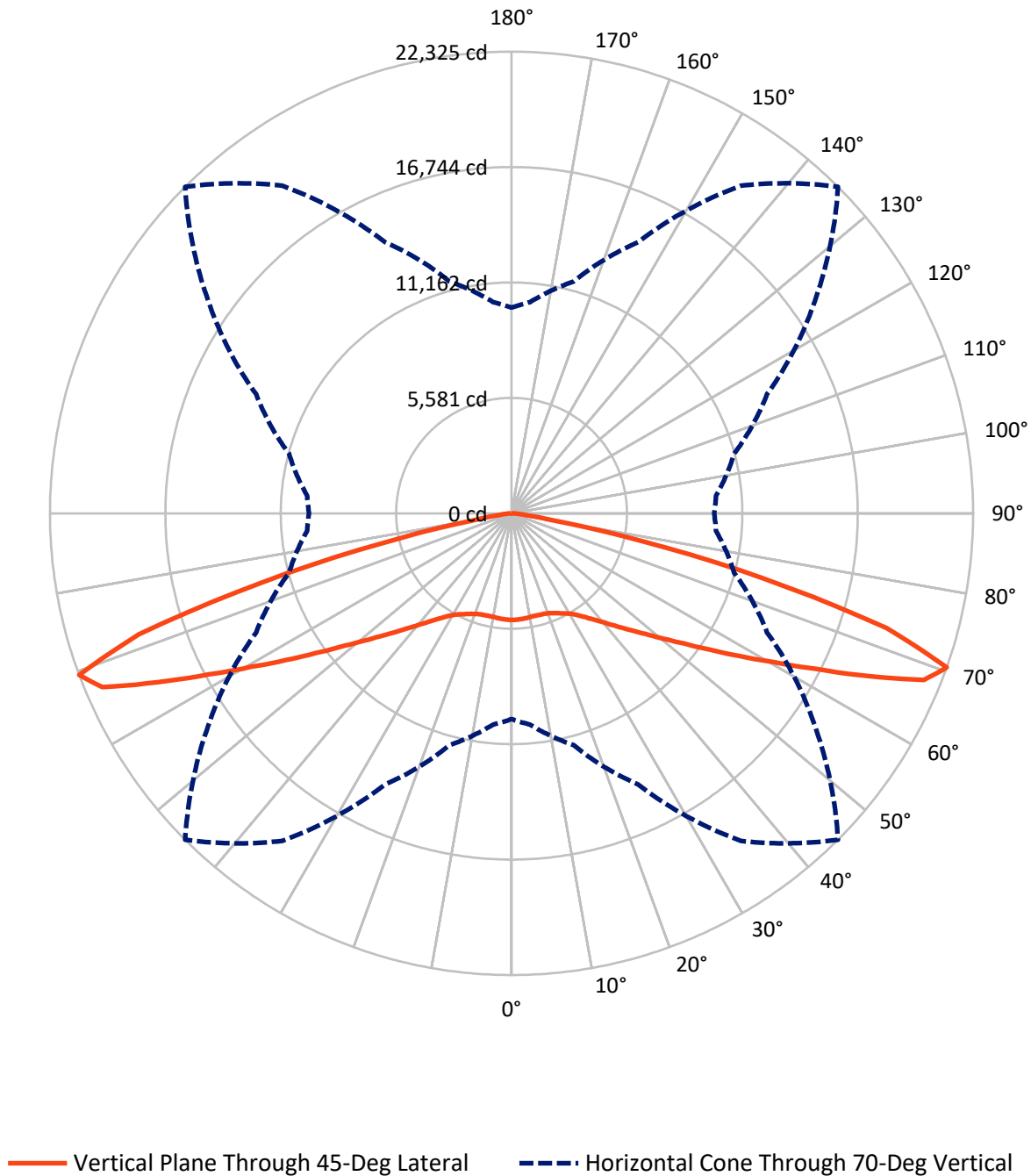
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.3 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	23609.0	0.0	23609.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	23609.0	0.0	23609.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	47218.0	0.0	47218.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	488.4	1.0
10°-20°	1433.9	3.0
20°-30°	2440.9	5.2
30°-40°	3871.2	8.2
40°-50°	6299.7	13.3
50°-60°	10387.1	22.0
60°-70°	15248.5	32.3
70°-80°	6742.9	14.3
80°-90°	305.4	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°	47218.0	100.0
0°-180°	47218.0	100.0

Coefficient of Utilization



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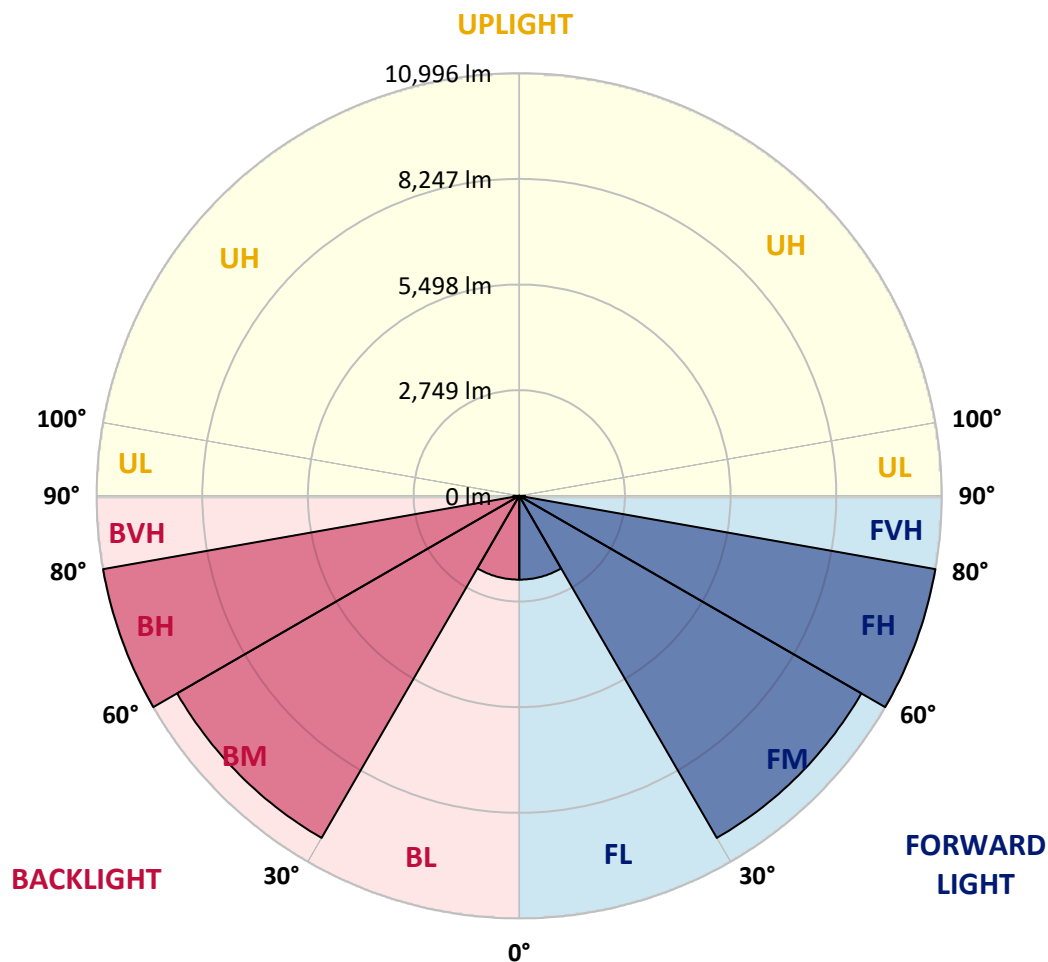
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2181.6	4.6			
FM	(30°-60°)	10279.0	21.8			
FH	(60°-80°)	10995.7	23.3			G4/12000
FVH	(80°-90°)	152.7	0.3			G2/225
BL	(0°-30°)	2181.6	4.6	B3/2500		
BM	(30°-60°)	10279.0	21.8	B5		
BH	(60°-80°)	10995.7	23.3	B5		G4/12000
BVH	(80°-90°)	152.7	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°	5156.9	5156.9	5156.9	5156.9	5156.9	5156.9	5156.9	5156.9	5156.9	5156.9	5156.9
2.5°	5149.1	5144.4	5155.4	5153.8	5144.4	5146.0	5146.0	5150.7	5150.7	5147.6	5147.6
5°	5130.4	5127.2	5139.8	5139.8	5130.4	5133.5	5136.6	5141.3	5139.8	5136.6	5135.1
7.5°	5106.9	5105.4	5117.9	5117.9	5111.6	5114.7	5111.6	5113.2	5110.1	5106.9	5102.2
10°	5067.9	5071.0	5081.9	5085.1	5085.1	5086.6	5083.5	5075.7	5071.0	5066.3	5061.6
12.5°	5031.9	5030.4	5046.0	5053.8	5066.3	5080.4	5071.0	5049.1	5039.7	5030.4	5027.2
15°	5008.5	5010.0	5025.7	5039.7	5061.6	5091.3	5080.4	5046.0	5027.2	5016.3	5013.2
17.5°	5003.8	5006.9	5027.2	5052.2	5075.7	5108.5	5102.2	5067.9	5036.6	5016.3	5011.6
20°	5014.7	5016.3	5047.6	5083.5	5124.1	5155.4	5141.3	5103.8	5061.6	5030.4	5022.5
22.5°	5035.0	5041.3	5080.4	5136.6	5199.1	5241.3	5224.1	5160.1	5094.4	5055.4	5044.4
25°	5099.1	5100.7	5153.8	5230.4	5305.4	5353.8	5333.5	5242.9	5158.5	5114.7	5100.7
27.5°	5232.0	5236.6	5289.8	5378.8	5442.9	5474.2	5461.7	5388.2	5316.3	5269.5	5274.1
30°	5424.2	5430.4	5489.8	5588.2	5627.3	5635.1	5632.0	5597.6	5532.0	5469.5	5474.2
32.5°	5658.6	5661.7	5741.4	5830.5	5861.7	5868.0	5861.7	5830.5	5752.3	5667.9	5672.6
35°	5960.2	5969.5	6046.1	6132.1	6157.1	6169.6	6158.6	6118.0	6036.7	5953.9	5950.8
37.5°	6332.1	6333.7	6413.4	6502.4	6533.7	6536.8	6524.3	6497.7	6396.2	6321.2	6316.5
40°	6763.4	6769.7	6863.4	6958.7	6971.2	6957.2	6974.4	6958.7	6854.0	6768.1	6782.2
42.5°	7288.5	7302.5	7415.1	7508.8	7472.9	7465.1	7476.0	7480.7	7396.3	7291.6	7282.2
45°	7899.5	7912.0	8052.6	8127.7	8104.2	8052.6	8074.5	8112.0	7994.8	7865.1	7877.6
47.5°	8596.5	8627.7	8777.7	8848.1	8790.2	8719.9	8762.1	8818.4	8680.8	8519.9	8512.1
50°	9371.6	9410.6	9610.7	9709.1	9651.3	9521.6	9591.9	9629.4	9431.0	9223.1	9205.9
52.5°	10198.2	10237.3	10488.9	10692.1	10654.6	10453.0	10551.4	10512.3	10284.2	10004.5	9982.6
55°	11134.3	11149.9	11421.8	11750.0	11787.5	11639.1	11632.8	11568.7	11231.2	10907.7	10892.1
57.5°	12096.9	12107.9	12459.5	12847.0	13023.6	13023.6	12848.6	12712.6	12264.1	11889.1	11850.0
60°	13136.1	13175.2	13564.3	14090.9	14503.5	14625.4	14316.0	13945.6	13458.1	13000.2	12954.9
62.5°	14061.3	14106.6	14702.0	15486.4	16149.0	16592.8	15836.5	15233.3	14345.7	13611.2	13525.2
65°	14178.5	14300.4	15167.7	16588.2	18071.2	18957.2	17507.0	16020.9	14403.5	13383.0	13295.5
67.5°	12948.6	13154.9	14326.9	16538.2	19602.6	21504.4	18574.4	15570.8	13365.9	12237.6	12140.7
70°	9949.8	10249.8	11601.6	14466.0	19338.5	22324.9	17905.5	13631.5	11143.7	9929.5	9793.5
72.5°	5458.5	5582.0	6797.8	9906.0	15503.6	18971.3	14934.8	10079.5	7390.1	6013.3	5785.1
75°	1731.5	1775.2	2394.1	4053.7	8769.9	12565.7	9487.2	4947.5	2723.8	2008.1	1984.6
77.5°	768.9	773.5	865.7	1183.0	3020.7	6366.5	3628.6	1347.1	928.2	811.0	837.6
80°	486.0	486.0	536.0	586.0	822.0	1848.7	981.4	640.7	546.9	507.9	518.8
82.5°	232.8	257.8	348.5	375.1	451.6	622.0	503.2	418.8	365.7	271.9	253.2
85°	153.1	128.1	220.3	248.5	262.5	298.5	292.2	276.6	239.1	136.0	151.6
87.5°	68.8	65.6	114.1	104.7	98.5	75.0	112.5	139.1	134.4	67.2	67.2
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)