

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: P316651

Luminaire Tested: **GAN-SA7C-830-U-5MQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316651
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-SA7C-830-U-5MQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 80 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V
MEDIUM OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 41762 lumens
Efficiency: N/A
Efficacy: 106.8 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

Input Watts (W): 391
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

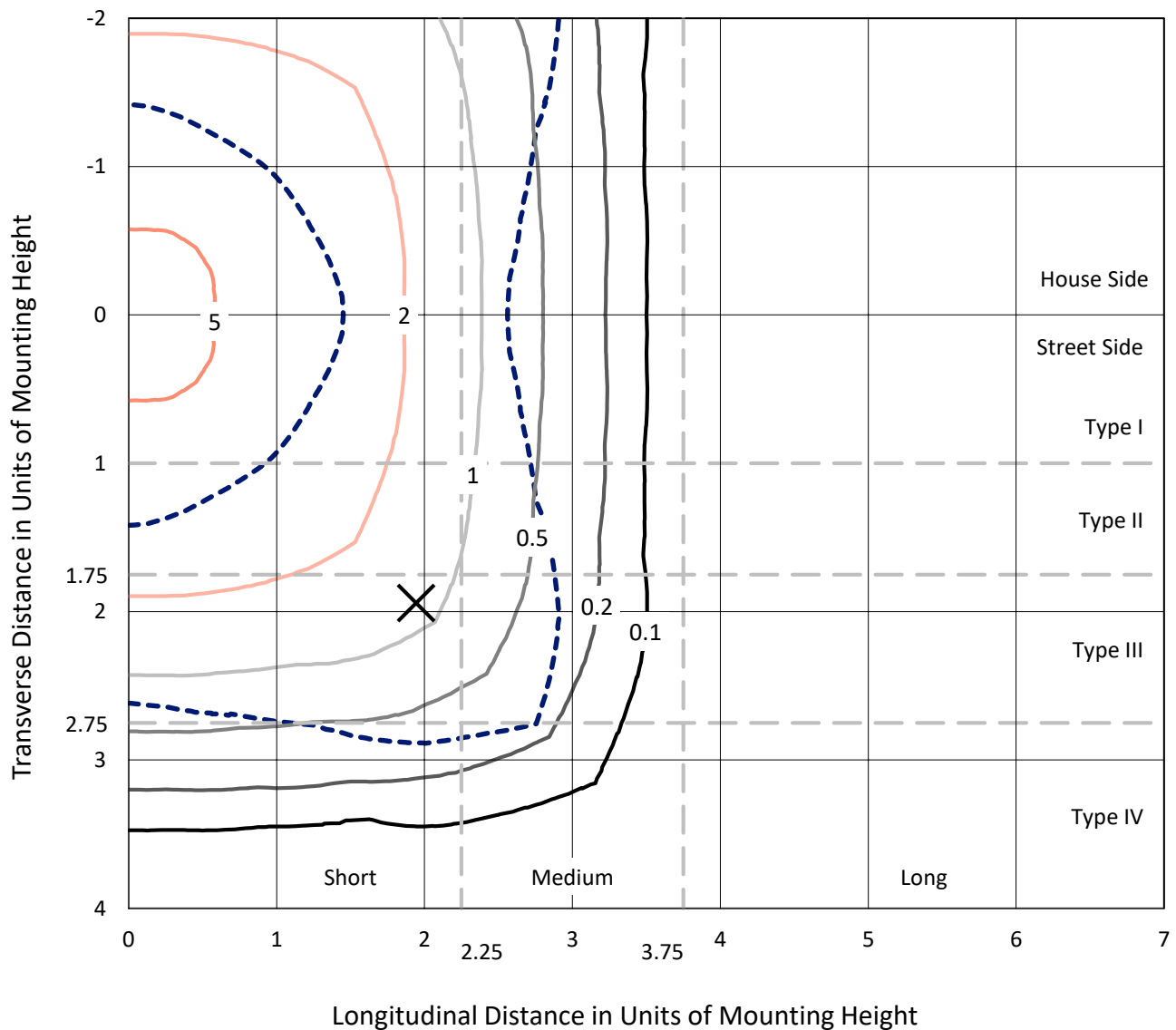


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Iso-Footcandle Lines of Horizontal Illumination

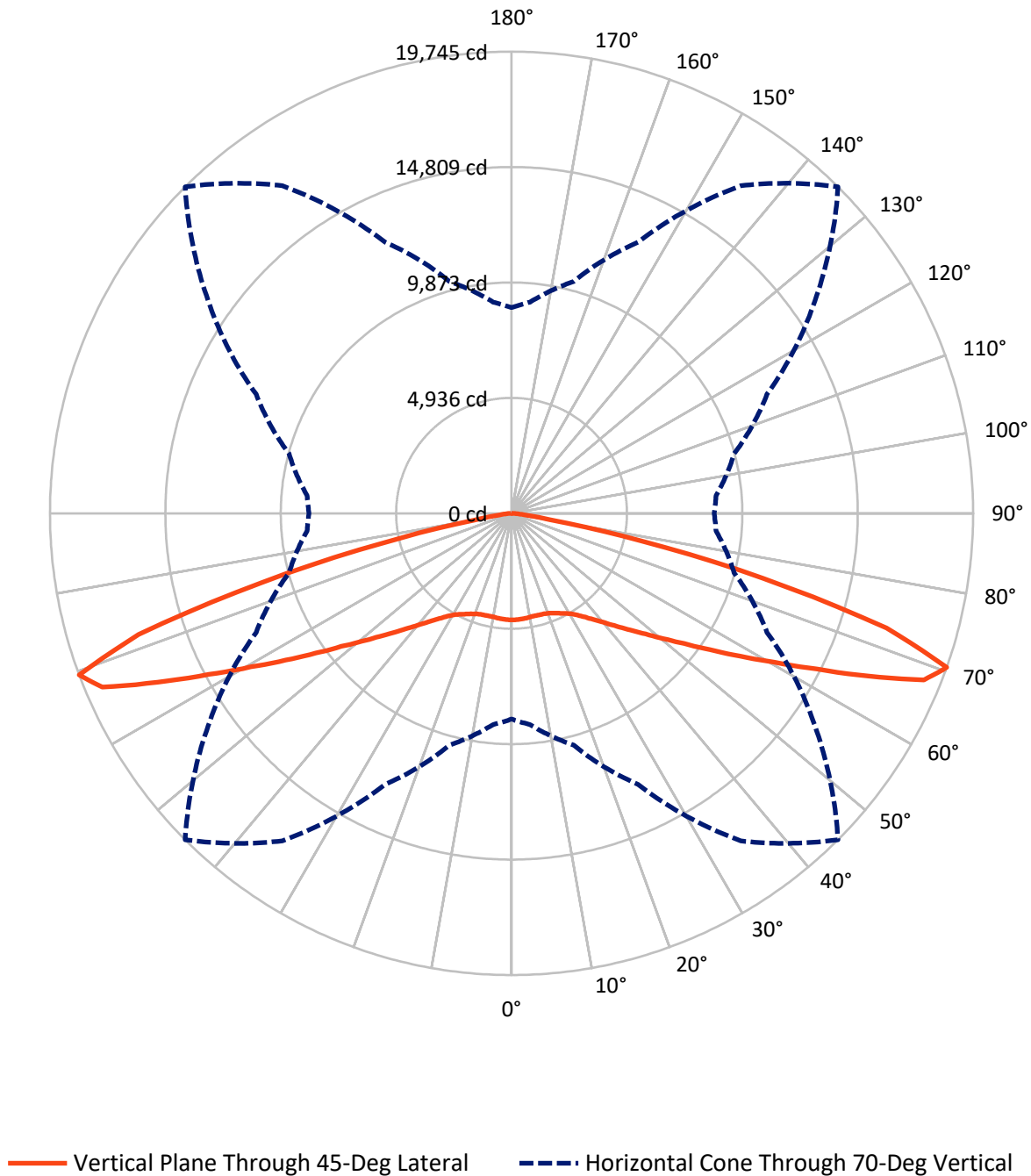
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.3 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	20881.0	0.0	20881.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	20881.0	0.0	20881.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	41762.0	0.0	41762.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	432.0	1.0
10°-20°	1268.2	3.0
20°-30°	2158.9	5.2
30°-40°	3423.9	8.2
40°-50°	5571.8	13.3
50°-60°	9186.9	22.0
60°-70°	13486.6	32.3
70°-80°	5963.7	14.3
80°-90°	270.1	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°	41762.0	100.0
0°-180°	41762.0	100.0

Coefficient of Utilization



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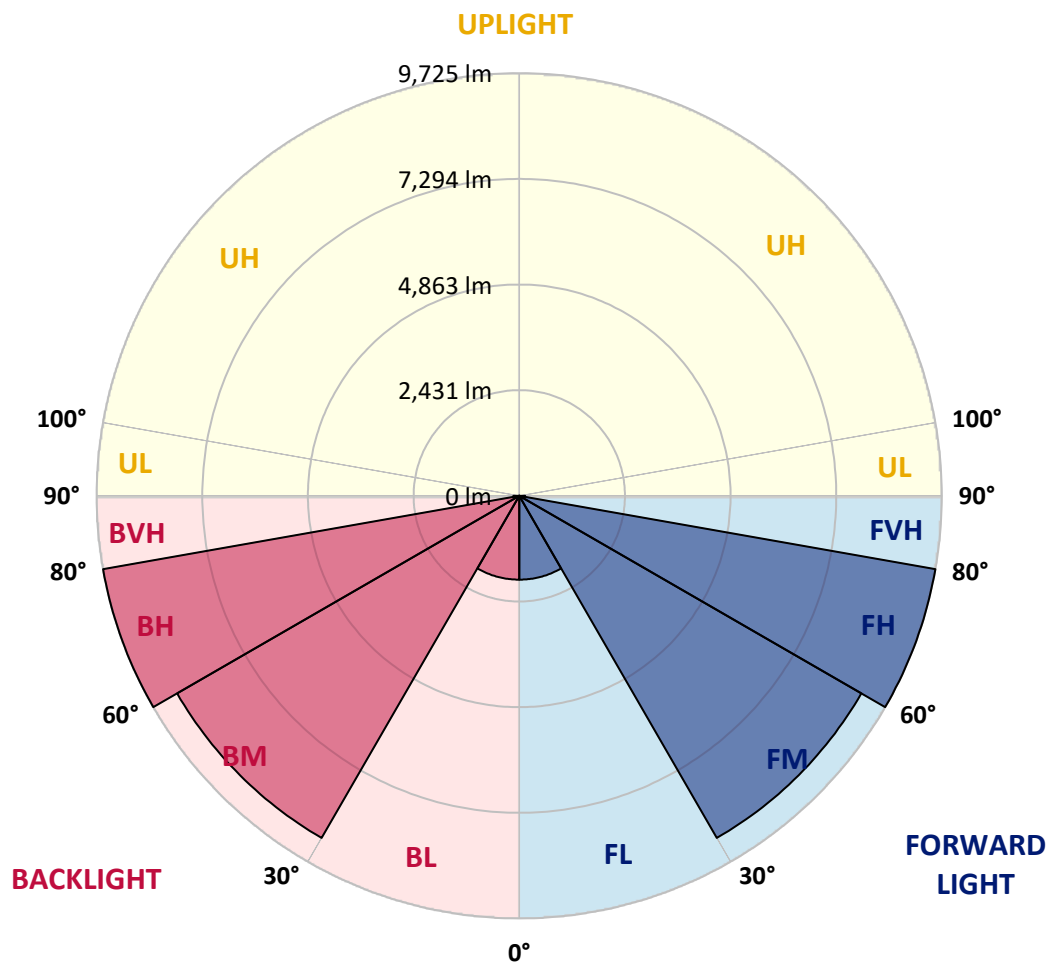
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1929.5	4.6			
FM	(30°-60°)	9091.3	21.8			
FH	(60°-80°)	9725.2	23.3			G4/12000
FVH	(80°-90°)	135.0	0.3			G2/225
BL	(0°-30°)	1929.5	4.6	B3/2500		
BM	(30°-60°)	9091.3	21.8	B5		
BH	(60°-80°)	9725.2	23.3	B5		G4/12000
BVH	(80°-90°)	135.0	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-G4

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4561.1	4561.1	4561.1	4561.1	4561.1	4561.1	4561.1	4561.1	4561.1	4561.1	4561.1
2.5°	4554.1	4550.0	4559.7	4558.3	4550.0	4551.4	4551.4	4555.5	4555.5	4552.8	4552.8
5°	4537.6	4534.8	4545.9	4545.9	4537.6	4540.3	4543.1	4547.2	4545.9	4543.1	4541.7
7.5°	4516.8	4515.4	4526.5	4526.5	4521.0	4523.7	4521.0	4522.4	4519.6	4516.8	4512.7
10°	4482.3	4485.0	4494.7	4497.5	4497.5	4498.9	4496.1	4489.2	4485.0	4480.9	4476.7
12.5°	4450.5	4449.1	4462.9	4469.8	4480.9	4493.3	4485.0	4465.7	4457.4	4449.1	4446.3
15°	4429.8	4431.1	4445.0	4457.4	4476.7	4503.0	4493.3	4462.9	4446.3	4436.7	4433.9
17.5°	4425.6	4428.4	4446.3	4468.5	4489.2	4518.2	4512.7	4482.3	4454.6	4436.7	4432.5
20°	4435.3	4436.7	4464.3	4496.1	4532.0	4559.7	4547.2	4514.1	4476.7	4449.1	4442.2
22.5°	4453.3	4458.8	4493.3	4543.1	4598.4	4635.7	4620.5	4563.8	4505.8	4471.2	4461.5
25°	4509.9	4511.3	4558.3	4626.0	4692.4	4735.2	4717.2	4637.1	4562.4	4523.7	4511.3
27.5°	4627.4	4631.5	4678.5	4757.3	4814.0	4841.6	4830.6	4765.6	4702.0	4660.6	4664.7
30°	4797.4	4802.9	4855.5	4942.5	4977.1	4984.0	4981.2	4950.8	4892.8	4837.5	4841.6
32.5°	5004.7	5007.5	5078.0	5156.8	5184.4	5189.9	5184.4	5156.8	5087.7	5013.0	5017.2
35°	5271.5	5279.8	5347.5	5423.5	5445.6	5456.7	5447.0	5411.1	5339.2	5266.0	5263.2
37.5°	5600.4	5601.8	5672.3	5751.1	5778.7	5781.5	5770.4	5746.9	5657.1	5590.8	5586.6
40°	5981.9	5987.4	6070.4	6154.7	6165.7	6153.3	6168.5	6154.7	6062.1	5986.0	5998.5
42.5°	6446.3	6458.7	6558.3	6641.2	6609.4	6602.5	6612.2	6616.3	6541.7	6449.1	6440.8
45°	6986.7	6997.8	7122.2	7188.5	7167.8	7122.2	7141.5	7174.7	7071.0	6956.3	6967.4
47.5°	7603.1	7630.8	7763.5	7825.7	7774.5	7712.3	7749.7	7799.4	7677.8	7535.4	7528.5
50°	8288.7	8323.2	8500.2	8587.2	8536.1	8421.4	8483.6	8516.7	8341.2	8157.4	8142.2
52.5°	9019.8	9054.4	9276.9	9456.6	9423.4	9245.1	9332.2	9297.7	9095.9	8848.5	8829.1
55°	9847.7	9861.6	10102.1	10392.3	10425.5	10294.2	10288.6	10232.0	9933.4	9647.3	9633.5
57.5°	10699.1	10708.8	11019.8	11362.6	11518.8	11518.8	11364.0	11243.7	10847.0	10515.3	10480.8
60°	11618.3	11652.8	11997.0	12462.8	12827.6	12935.4	12661.8	12334.2	11903.0	11498.0	11457.9
62.5°	12436.5	12476.6	13003.2	13697.0	14283.0	14675.6	14006.6	13473.1	12688.0	12038.4	11962.4
65°	12540.2	12648.0	13415.0	14671.4	15983.1	16766.7	15484.1	14169.7	12739.2	11836.6	11759.2
67.5°	11452.4	11634.9	12671.5	14627.2	17337.6	19019.6	16428.1	13771.6	11821.4	10823.5	10737.8
70°	8800.1	9065.5	10261.0	12794.5	17104.0	19745.2	15836.6	12056.4	9856.0	8782.1	8661.9
72.5°	4827.8	4937.0	6012.3	8761.4	13712.2	16779.2	13209.1	8914.8	6536.1	5318.5	5116.7
75°	1531.4	1570.1	2117.4	3585.3	7756.6	11113.8	8391.0	4375.9	2409.1	1776.0	1755.3
77.5°	680.0	684.2	765.7	1046.3	2671.7	5630.8	3209.3	1191.4	821.0	717.3	740.8
80°	429.8	429.8	474.1	518.3	727.0	1635.1	868.0	566.7	483.7	449.2	458.9
82.5°	205.9	228.1	308.2	331.7	399.4	550.1	445.0	370.4	323.4	240.5	223.9
85°	135.4	113.3	194.9	219.8	232.2	264.0	258.5	244.6	211.5	120.2	134.1
87.5°	60.8	58.0	100.9	92.6	87.1	66.3	99.5	123.0	118.9	59.4	59.4
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)