

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: P316420

Luminaire Tested: **GAN-SA6D-727-U-5MQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316420
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-SA6D-727-U-5MQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 2700K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V
MEDIUM OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 40770 lumens
Efficiency: N/A
Efficacy: 106.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

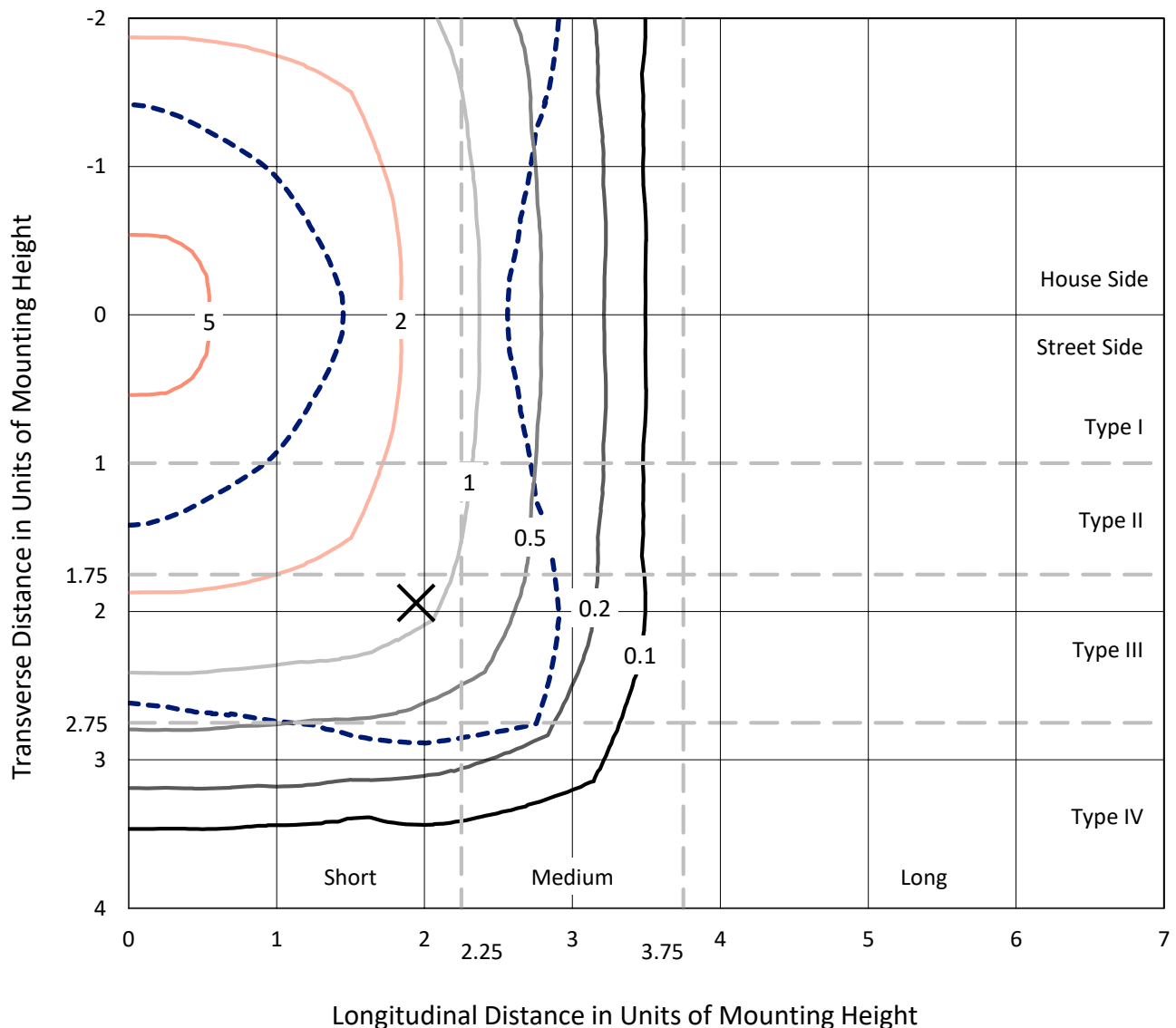
Input Watts (W): 382
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

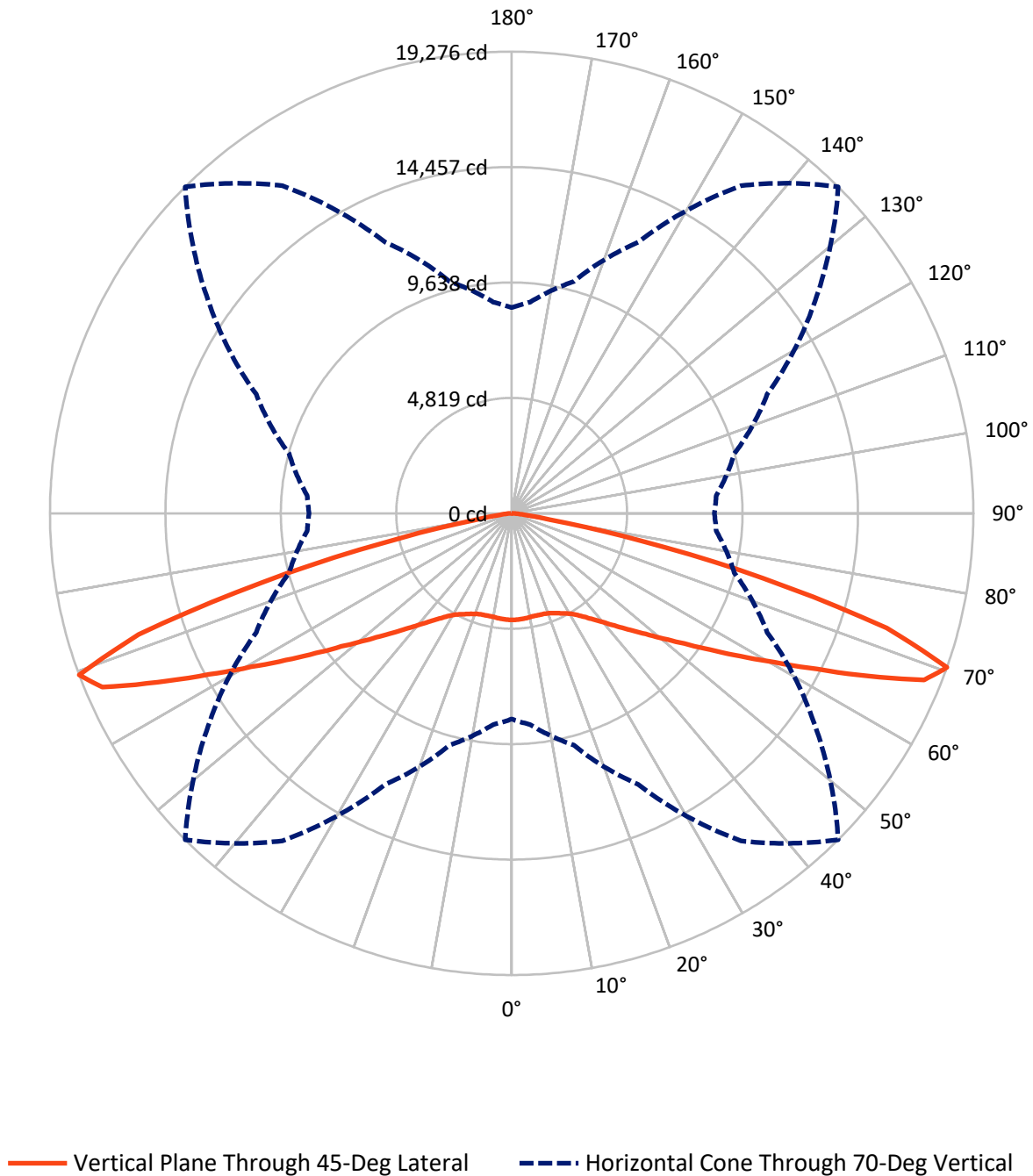
× Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.1 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	20385.0	0.0	20385.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	20385.0	0.0	20385.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	40770.0	0.0	40770.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	421.7	1.0
10°-20°	1238.1	3.0
20°-30°	2107.6	5.2
30°-40°	3342.6	8.2
40°-50°	5439.4	13.3
50°-60°	8968.6	22.0
60°-70°	13166.2	32.3
70°-80°	5822.1	14.3
80°-90°	263.6	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°	40770.0	100.0
0°-180°	40770.0	100.0

Coefficient of Utilization



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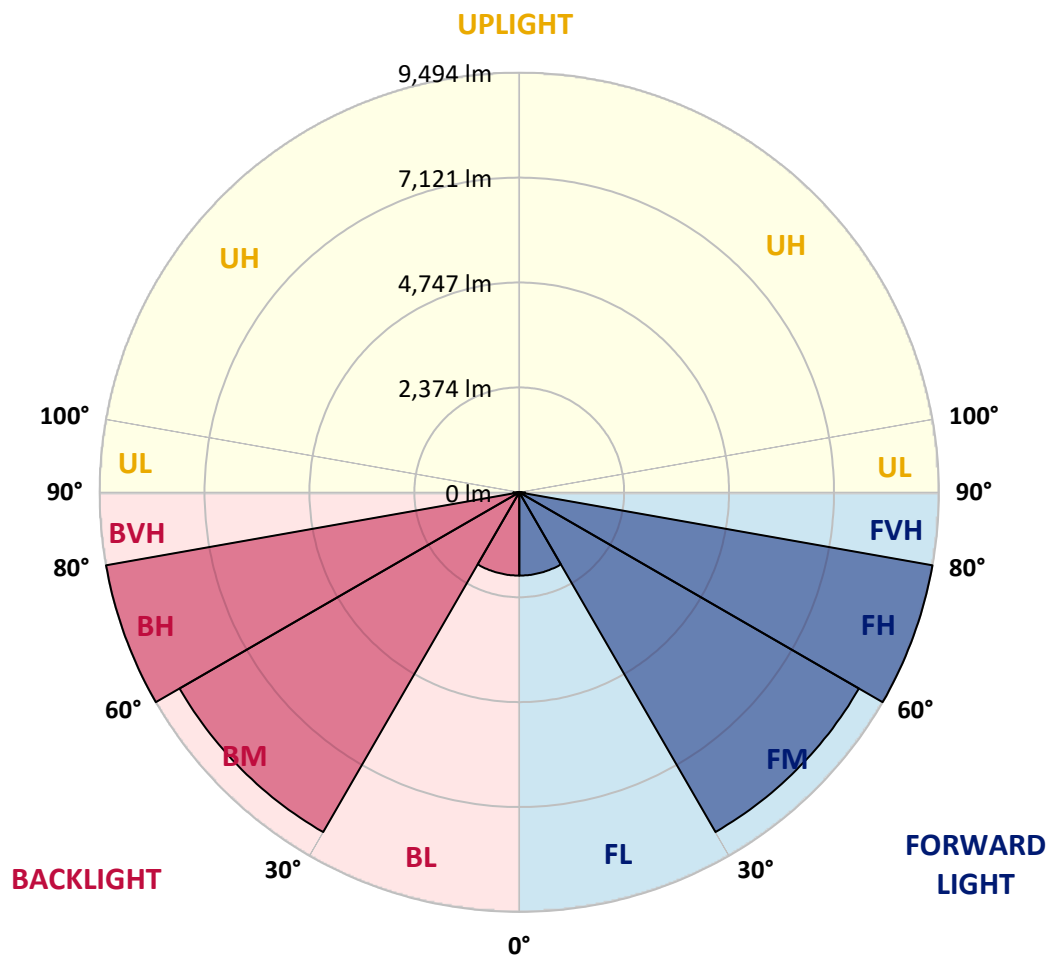
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1883.7	4.6			
FM	(30°-60°)	8875.3	21.8			
FH	(60°-80°)	9494.2	23.3			G4/12000
FVH	(80°-90°)	131.8	0.3			G2/225
BL	(0°-30°)	1883.7	4.6	B3/2500		
BM	(30°-60°)	8875.3	21.8	B5		
BH	(60°-80°)	9494.2	23.3	B5		G4/12000
BVH	(80°-90°)	131.8	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°	4452.7	4452.7	4452.7	4452.7	4452.7	4452.7	4452.7	4452.7	4452.7	4452.7	4452.7
2.5°	4446.0	4441.9	4451.4	4450.0	4441.9	4443.3	4443.3	4447.3	4447.3	4444.6	4444.6
5°	4429.8	4427.1	4437.9	4437.9	4429.8	4432.5	4435.2	4439.2	4437.9	4435.2	4433.8
7.5°	4409.5	4408.2	4419.0	4419.0	4413.6	4416.3	4413.6	4414.9	4412.2	4409.5	4405.5
10°	4375.8	4378.5	4388.0	4390.7	4390.7	4392.0	4389.3	4382.6	4378.5	4374.5	4370.4
12.5°	4344.8	4343.4	4356.9	4363.7	4374.5	4386.6	4378.5	4359.6	4351.5	4343.4	4340.7
15°	4324.5	4325.9	4339.4	4351.5	4370.4	4396.0	4386.6	4356.9	4340.7	4331.3	4328.6
17.5°	4320.5	4323.2	4340.7	4362.3	4382.6	4410.9	4405.5	4375.8	4348.8	4331.3	4327.2
20°	4329.9	4331.3	4358.3	4389.3	4424.4	4451.4	4439.2	4406.8	4370.4	4343.4	4336.7
22.5°	4347.5	4352.9	4386.6	4435.2	4489.1	4525.6	4510.7	4455.4	4398.7	4365.0	4355.6
25°	4402.8	4404.1	4450.0	4516.1	4580.9	4622.7	4605.2	4526.9	4454.1	4416.3	4404.1
27.5°	4517.5	4521.5	4567.4	4644.3	4699.6	4726.6	4715.8	4652.4	4590.3	4549.9	4553.9
30°	4683.5	4688.8	4740.1	4825.1	4858.9	4865.6	4862.9	4833.2	4776.6	4722.6	4726.6
32.5°	4885.8	4888.5	4957.4	5034.3	5061.3	5066.7	5061.3	5034.3	4966.8	4893.9	4898.0
35°	5146.3	5154.4	5220.5	5294.7	5316.3	5327.1	5317.6	5282.5	5212.4	5140.9	5138.2
37.5°	5467.4	5468.7	5537.6	5614.5	5641.5	5644.2	5633.4	5610.4	5522.7	5458.0	5453.9
40°	5839.8	5845.2	5926.2	6008.5	6019.3	6007.1	6022.0	6008.5	5918.1	5843.9	5856.0
42.5°	6293.2	6305.3	6402.5	6483.4	6452.4	6445.6	6455.1	6459.1	6386.3	6295.9	6287.8
45°	6820.8	6831.5	6953.0	7017.8	6997.5	6953.0	6971.9	7004.3	6903.1	6791.1	6801.9
47.5°	7422.5	7449.5	7579.1	7639.8	7589.9	7529.1	7565.6	7614.1	7495.4	7356.4	7349.7
50°	8091.8	8125.5	8298.2	8383.3	8333.3	8221.3	8282.1	8314.4	8143.1	7963.6	7948.8
52.5°	8805.6	8839.3	9056.6	9232.0	9199.6	9025.5	9110.5	9076.8	8879.8	8638.3	8619.4
55°	9613.8	9627.3	9862.1	10145.5	10177.8	10049.7	10044.3	9988.9	9697.5	9418.2	9404.7
57.5°	10445.0	10454.4	10758.0	11092.7	11245.1	11245.1	11094.0	10976.6	10589.4	10265.5	10231.8
60°	11342.3	11376.0	11712.0	12166.7	12522.9	12628.2	12361.0	12041.2	11620.2	11224.9	11185.8
62.5°	12141.1	12180.2	12694.3	13371.6	13943.8	14327.0	13673.9	13153.1	12386.7	11752.5	11678.3
65°	12242.3	12347.5	13096.4	14322.9	15603.4	16368.5	15116.3	13833.1	12436.6	11555.5	11479.9
67.5°	11180.4	11358.5	12370.5	14279.7	16925.7	18567.8	16037.9	13444.5	11540.6	10566.4	10482.8
70°	8591.0	8850.1	10017.3	12490.5	16697.7	19276.2	15460.4	11770.0	9621.9	8573.5	8456.1
72.5°	4713.1	4819.7	5869.5	8553.3	13386.5	16380.6	12895.3	8703.0	6380.9	5192.1	4995.1
75°	1495.0	1532.8	2067.1	3500.1	7572.3	10849.8	8191.7	4271.9	2351.8	1733.9	1713.6
77.5°	663.9	667.9	747.5	1021.4	2608.2	5497.1	3133.1	1163.1	801.5	700.3	723.2
80°	419.6	419.6	462.8	506.0	709.7	1596.2	847.4	553.2	472.3	438.5	448.0
82.5°	201.0	222.6	300.9	323.8	390.0	537.0	434.5	361.6	315.7	234.8	218.6
85°	132.2	110.6	190.3	214.5	226.7	257.7	252.3	238.8	206.4	117.4	130.9
87.5°	59.4	56.7	98.5	90.4	85.0	64.8	97.2	120.1	116.0	58.0	58.0
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)