

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: P316304

Luminaire Tested: **GAN-SA0D-827-U-5WQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316304
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-2)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA0D-827-U-5WQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(10) 80 CRI, 2700K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 59467 lumens
Efficiency: N/A
Efficacy: 92.9 lumens/watt
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G5

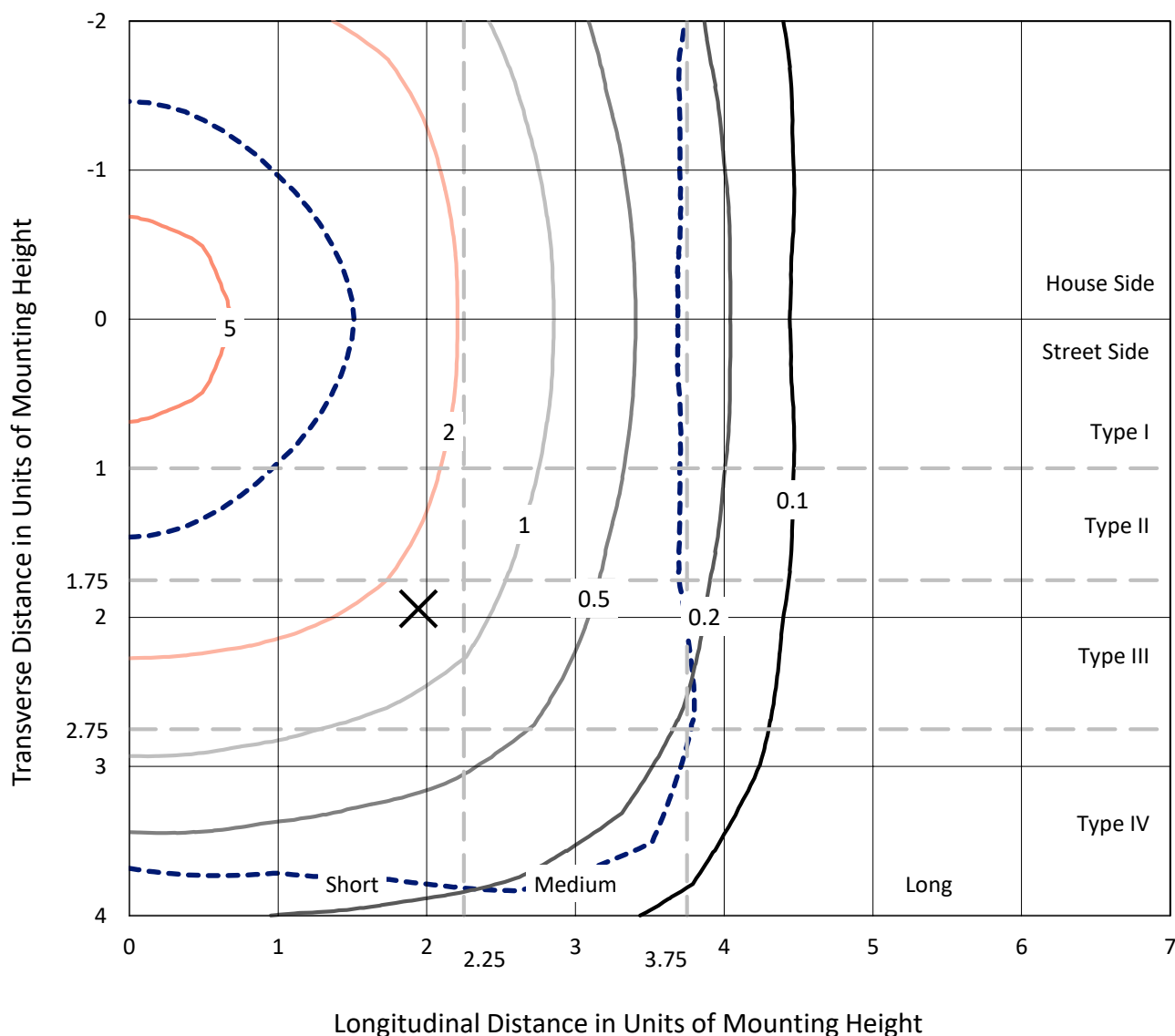
Input Watts (W): 640
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

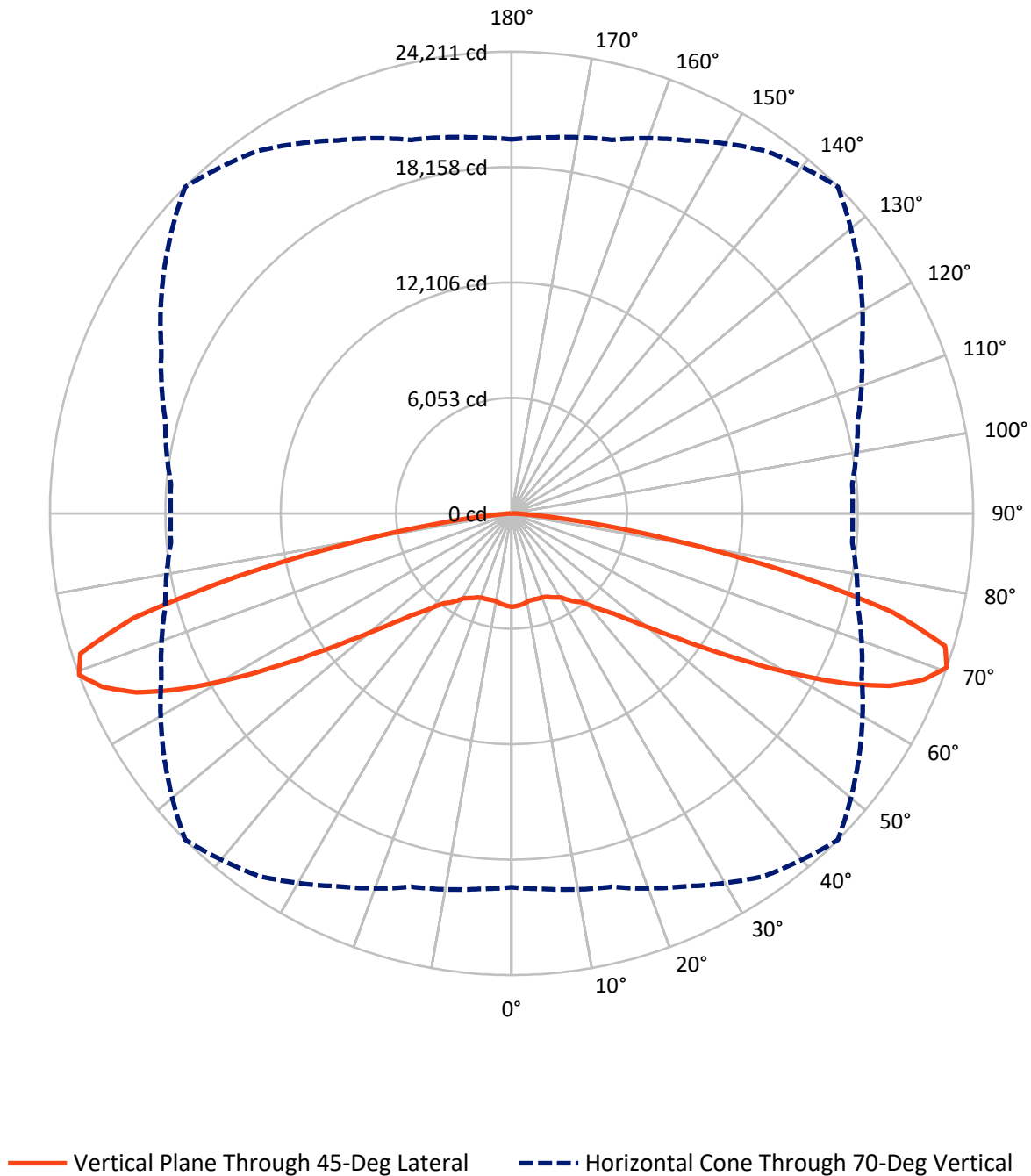
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.8 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	29733.5	0.0	29733.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	29733.5	0.0	29733.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	59467.0	0.0	59467.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	456.8	0.8
10°-20°	1334.3	2.2
20°-30°	2274.9	3.8
30°-40°	3554.6	6.0
40°-50°	6024.3	10.1
50°-60°	10985.7	18.5
60°-70°	18912.7	31.8
70°-80°	14824.5	24.9
80°-90°	1099.2	1.8
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°	59467.0	100.0
0°-180°	59467.0	100.0

Coefficient of Utilization



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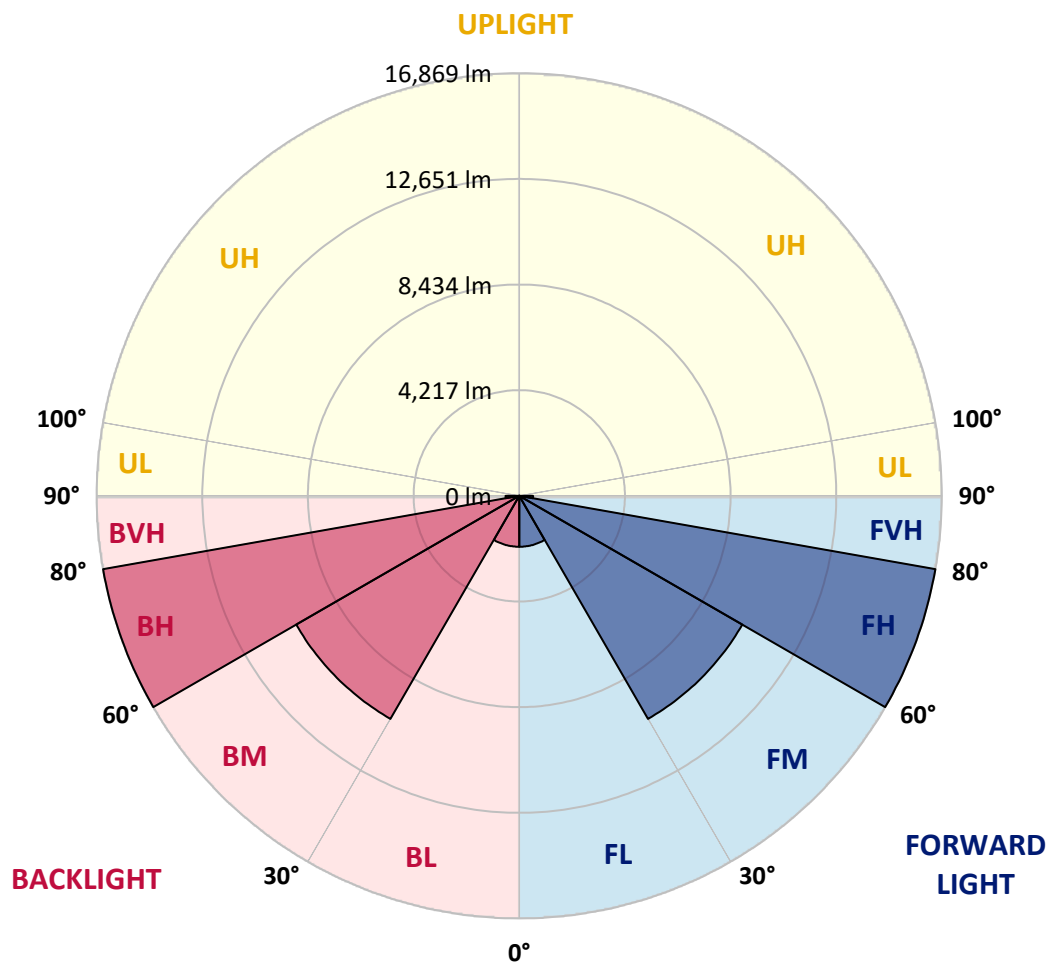
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2033.0	3.4			
FM	(30°-60°)	10282.3	17.3			
FH	(60°-80°)	16868.6	28.4			G5
FVH	(80°-90°)	549.6	0.9			G4/750
BL	(0°-30°)	2033.0	3.4	B3/2500		
BM	(30°-60°)	10282.3	17.3	B5		
BH	(60°-80°)	16868.6	28.4	B5		G5
BVH	(80°-90°)	549.6	0.9			G4/750
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°	4894.1	4894.1	4894.1	4894.1	4894.1	4894.1	4894.1	4894.1	4894.1	4894.1	4894.1
2.5°	4872.5	4878.4	4872.5	4876.4	4866.6	4870.5	4870.5	4870.5	4868.6	4870.5	4866.6
5°	4829.2	4833.2	4825.3	4829.2	4823.3	4829.2	4831.2	4829.2	4825.3	4827.3	4819.4
7.5°	4764.3	4768.2	4762.3	4768.2	4760.4	4770.2	4768.2	4762.3	4756.4	4756.4	4748.6
10°	4728.9	4730.9	4715.1	4709.2	4691.5	4695.5	4701.4	4707.3	4713.2	4725.0	4723.0
12.5°	4730.9	4730.9	4707.3	4681.7	4656.1	4662.0	4671.9	4693.5	4717.1	4738.7	4740.7
15°	4750.5	4748.6	4713.2	4671.9	4654.2	4671.9	4677.8	4691.5	4728.9	4766.3	4768.2
17.5°	4764.3	4764.3	4709.2	4662.0	4660.1	4687.6	4685.6	4691.5	4732.8	4787.9	4789.9
20°	4789.9	4789.9	4719.1	4667.9	4667.9	4697.4	4699.4	4709.2	4750.5	4811.5	4821.4
22.5°	4846.9	4848.9	4774.1	4732.8	4736.8	4754.5	4760.4	4776.1	4813.5	4880.4	4892.2
25°	4927.6	4931.5	4854.8	4831.2	4845.0	4878.4	4874.5	4886.3	4927.6	4992.5	5004.3
27.5°	5039.7	5029.9	4959.1	4949.2	4963.0	4986.6	4984.6	4986.6	5020.0	5079.0	5092.8
30°	5185.3	5181.3	5130.2	5136.1	5130.2	5122.3	5124.3	5140.0	5157.7	5204.9	5218.7
32.5°	5326.9	5330.8	5299.4	5328.9	5372.1	5401.7	5356.4	5313.1	5293.5	5319.0	5330.8
35°	5582.6	5592.5	5543.3	5523.6	5582.6	5669.2	5541.3	5470.5	5509.8	5543.3	5553.1
37.5°	6017.4	6023.3	5940.6	5862.0	5818.7	5901.3	5773.4	5779.3	5917.0	5980.0	5978.0
40°	6513.1	6515.0	6460.0	6391.1	6316.4	6336.0	6284.9	6300.6	6391.1	6448.2	6463.9
42.5°	7103.2	7097.3	7010.7	6912.4	6890.7	6910.4	6823.9	6812.1	6916.3	7018.6	7020.6
45°	7868.4	7854.6	7742.5	7634.3	7530.1	7486.8	7465.1	7522.2	7665.8	7760.2	7762.2
47.5°	8692.6	8655.2	8596.2	8509.7	8419.2	8375.9	8340.5	8368.0	8472.3	8509.7	8513.6
50°	9540.4	9548.3	9560.1	9526.7	9493.2	9479.4	9387.0	9333.9	9365.4	9296.5	9286.7
52.5°	10545.6	10561.4	10675.4	10771.8	10828.9	10858.4	10683.3	10500.4	10398.1	10264.3	10225.0
55°	11731.8	11757.4	11924.6	12192.1	12467.5	12613.0	12296.3	11954.1	11637.4	11387.5	11306.9
57.5°	13053.7	13098.9	13329.1	13842.5	14407.0	14751.3	14216.2	13594.6	12982.9	12622.9	12559.9
60°	14603.7	14647.0	14965.7	15701.4	16616.1	17133.4	16323.0	15306.0	14544.7	14200.5	14084.4
62.5°	16448.9	16452.8	16844.3	17703.9	18911.7	19631.6	18534.0	17174.7	16389.9	15974.8	15862.7
65°	18433.7	18443.5	18848.7	19777.2	21026.3	21809.2	20570.0	19153.6	18193.7	17581.9	17495.4
67.5°	19836.2	19877.5	20304.4	21421.7	22590.2	23296.4	22013.8	20412.6	19303.1	18573.3	18500.6
70°	19612.0	19773.3	20274.9	21579.1	23203.9	24211.1	22247.9	20263.1	18799.6	17938.0	17877.0
72.5°	17103.9	17412.8	18081.6	19792.9	22391.5	23778.3	20971.2	18148.5	16492.2	15758.4	15648.3
75°	11647.2	12148.8	13157.9	15626.6	19130.0	20587.7	17654.7	14470.0	12912.0	11897.0	11822.3
77.5°	5193.1	5307.2	6585.8	9428.3	13201.2	14784.7	12827.5	9465.7	7105.2	5667.2	5364.3
80°	1447.8	1465.5	1955.3	3511.3	6607.5	8686.7	7093.4	3688.3	2073.3	1461.6	1377.0
82.5°	460.3	499.6	609.8	910.8	2220.9	3963.7	2279.9	983.5	700.3	558.7	503.6
85°	224.2	222.3	308.8	369.8	566.5	877.3	603.9	456.4	399.3	265.6	240.0
87.5°	94.4	96.4	143.6	129.8	165.2	141.6	194.7	204.6	214.4	118.0	102.3
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)