

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: P383580

Luminaire Tested: **GAN-SA8D-735-U-5WQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P383580
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-SA8D-735-U-5WQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 70 CRI, 3500K, 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: 61015.4 lumens
Efficiency: N/A
Efficacy: 119.4 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G5

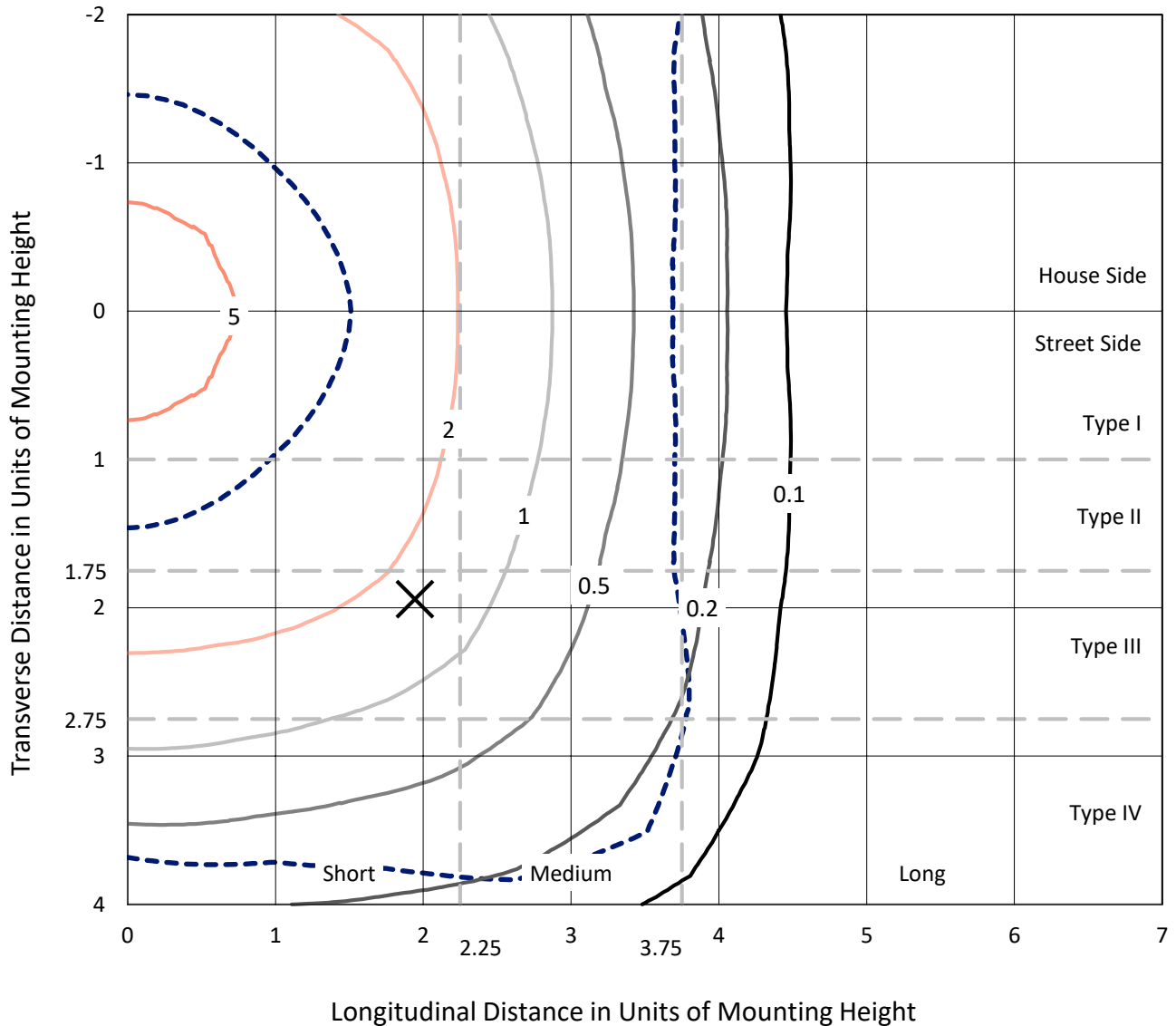
Input Watts (W): 511
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

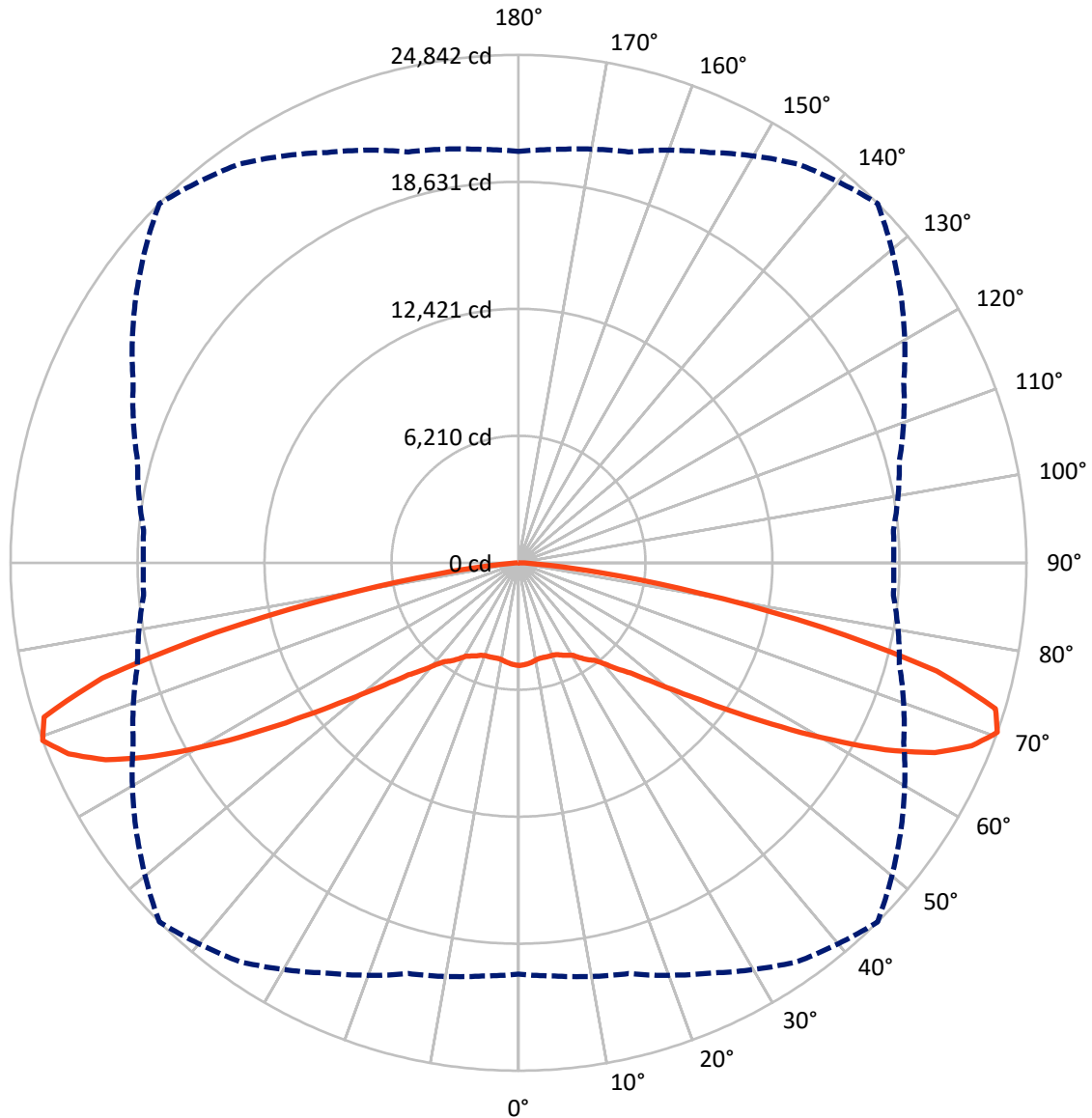
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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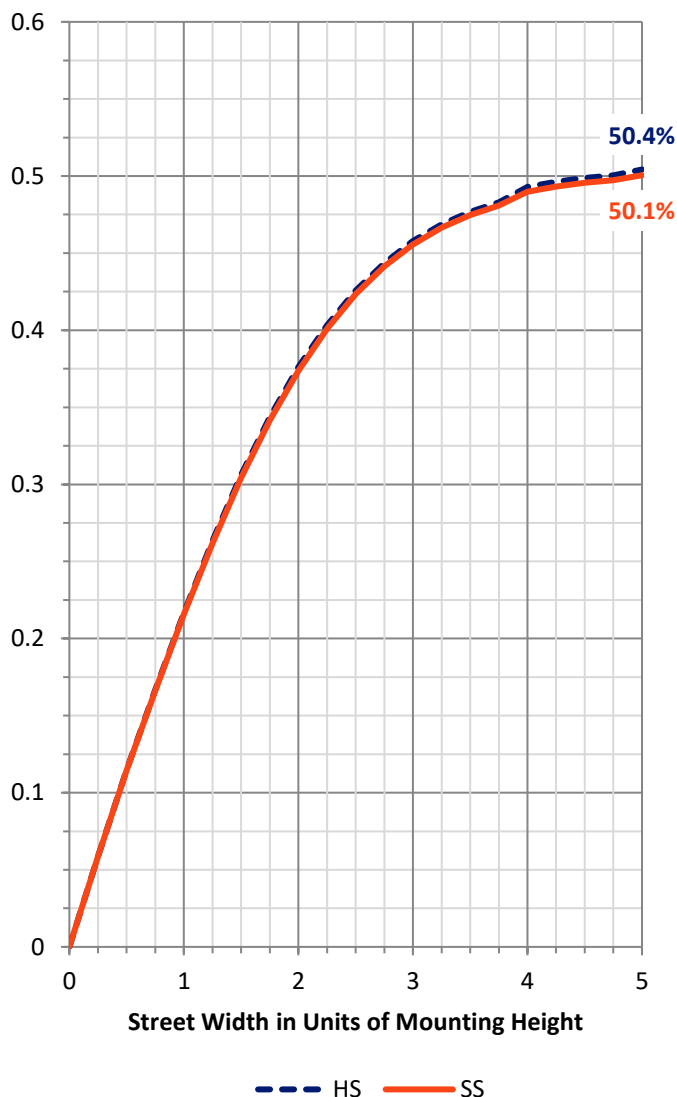
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	30507.7	0.0	30507.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	30507.7	0.0	30507.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	61015.4	0.0	61015.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	468.7	0.8
10°-20°	1369.0	2.2
20°-30°	2334.1	3.8
30°-40°	3647.2	6.0
40°-50°	6181.1	10.1
50°-60°	11271.8	18.5
60°-70°	19405.2	31.8
70°-80°	15210.5	24.9
80°-90°	1127.8	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°	61015.4	100.0
0°-180°	61015.4	100.0

Coefficient of Utilization



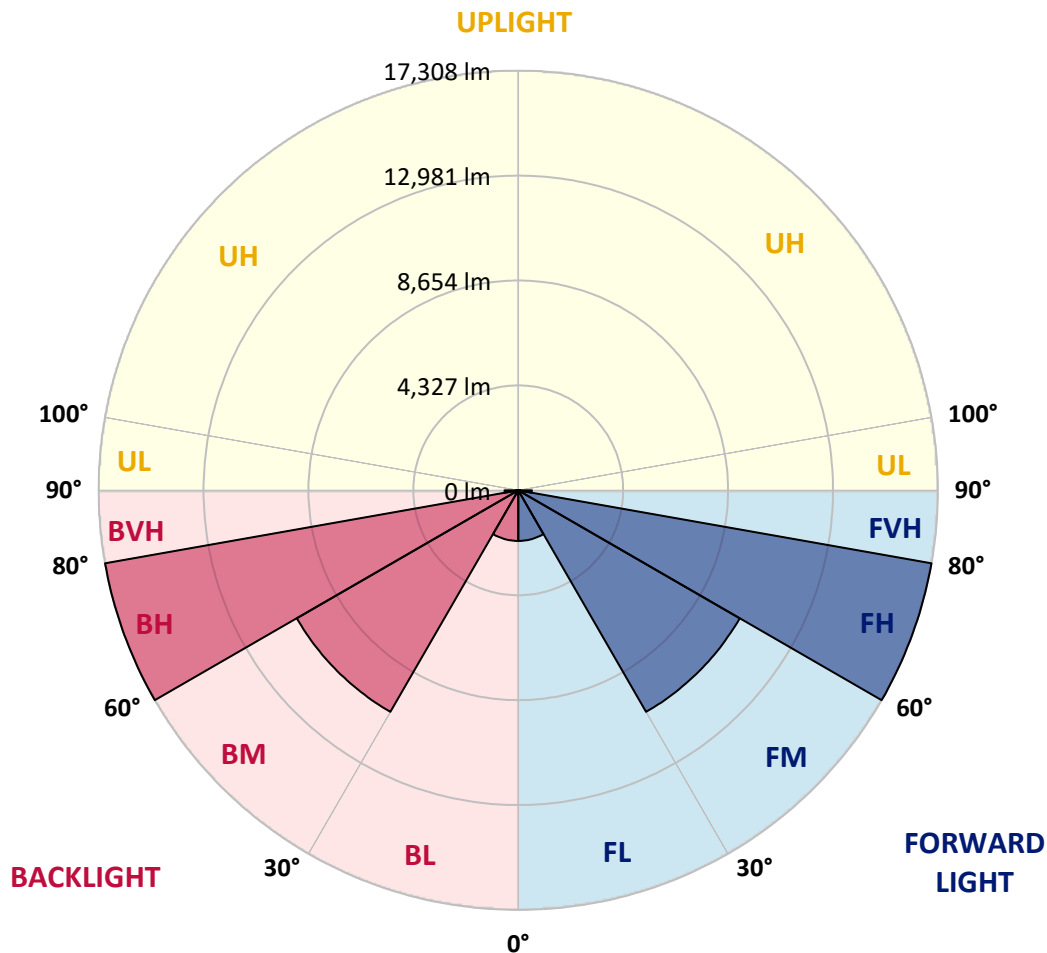
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2085.9	3.4			
FM (30°-60°)	10550.1	17.3			
FH (60°-80°)	17307.8	28.4			G5
FVH (80°-90°)	563.9	0.9			G4/750
BL (0°-30°)	2085.9	3.4	B3/2500		
BM (30°-60°)	10550.1	17.3	B5		
BH (60°-80°)	17307.8	28.4	B5		G5
BVH (80°-90°)	563.9	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°	5021.6	5021.6	5021.6	5021.6	5021.6	5021.6	5021.6	5021.6	5021.6	5021.6	5021.6
2.5°	4999.3	5005.4	4999.3	5003.4	4993.3	4997.4	4997.4	4997.4	4995.3	4997.4	4993.3
5°	4955.0	4959.0	4950.9	4955.0	4948.9	4955.0	4957.0	4955.0	4950.9	4952.9	4944.8
7.5°	4888.4	4892.4	4886.3	4892.4	4884.3	4894.4	4892.4	4886.3	4880.3	4880.3	4872.2
10°	4852.1	4854.0	4837.9	4831.8	4813.7	4817.7	4823.7	4829.8	4835.8	4848.0	4846.0
12.5°	4854.0	4854.0	4829.8	4803.6	4777.3	4783.4	4793.5	4815.7	4839.9	4862.1	4864.2
15°	4874.2	4872.2	4835.8	4793.5	4775.3	4793.5	4799.5	4813.7	4852.1	4890.3	4892.4
17.5°	4888.4	4888.4	4831.8	4783.4	4781.4	4809.7	4807.6	4813.7	4856.1	4912.6	4914.6
20°	4914.6	4914.6	4841.9	4789.5	4789.5	4819.7	4821.8	4831.8	4874.2	4936.8	4946.9
22.5°	4973.2	4975.1	4898.4	4856.1	4860.1	4878.2	4884.3	4900.5	4938.8	5007.4	5019.6
25°	5055.9	5059.9	4981.2	4957.0	4971.1	5005.4	5001.4	5013.5	5055.9	5122.5	5134.6
27.5°	5170.9	5160.9	5088.2	5078.1	5092.2	5116.4	5114.4	5116.4	5150.7	5211.3	5225.4
30°	5320.3	5316.2	5263.8	5269.9	5263.8	5255.7	5257.7	5273.9	5292.0	5340.5	5354.6
32.5°	5465.6	5469.7	5437.4	5467.6	5512.1	5542.3	5495.9	5451.5	5431.3	5457.6	5469.7
35°	5728.0	5738.1	5687.7	5667.4	5728.0	5816.8	5685.6	5612.9	5653.3	5687.7	5697.7
37.5°	6174.0	6180.1	6095.3	6014.6	5970.2	6055.0	5923.8	5929.9	6071.1	6135.7	6133.7
40°	6682.6	6684.7	6628.1	6557.5	6480.9	6501.0	6448.5	6464.7	6557.5	6616.0	6632.2
42.5°	7288.1	7282.1	7193.3	7092.3	7070.2	7090.4	7001.5	6989.4	7096.4	7201.3	7203.4
45°	8073.3	8059.2	7944.1	7833.1	7726.2	7681.7	7659.6	7718.1	7865.4	7962.3	7964.3
47.5°	8918.9	8880.6	8820.1	8731.2	8638.4	8594.0	8557.7	8585.9	8692.9	8731.2	8735.3
50°	9788.9	9796.9	9809.0	9774.7	9740.4	9726.3	9631.5	9577.0	9609.2	9538.6	9528.5
52.5°	10820.2	10836.3	10953.4	11052.3	11110.8	11141.1	10961.5	10773.8	10668.8	10531.6	10491.2
55°	12037.3	12063.5	12235.0	12509.6	12792.1	12941.4	12616.5	12265.3	11940.4	11684.0	11601.3
57.5°	13393.6	13440.0	13676.1	14202.9	14782.2	15135.4	14586.4	13948.6	13320.9	12951.6	12886.9
60°	14984.0	15028.4	15355.4	16110.2	17048.7	17579.6	16748.0	15704.6	14923.5	14570.2	14451.2
62.5°	16877.2	16881.2	17282.9	18164.9	19404.1	20142.9	19016.6	17622.0	16816.7	16390.8	16275.7
65°	18913.7	18923.7	19339.6	20292.2	21573.8	22377.1	21105.6	19652.4	18667.5	18039.7	17950.9
67.5°	20352.7	20395.1	20833.1	21979.5	23178.4	23903.0	22587.0	20944.1	19805.7	19056.9	18982.3
70°	20122.6	20288.2	20802.9	22140.9	23808.1	24841.5	22827.2	20790.7	19289.1	18405.1	18342.5
72.5°	17549.3	17866.2	18552.4	20308.3	22974.6	24397.4	21517.3	18621.0	16921.6	16168.8	16055.7
75°	11950.5	12465.1	13500.5	16033.5	19628.2	21123.8	18114.4	14846.7	13248.3	12206.8	12130.1
77.5°	5328.4	5445.5	6757.4	9673.8	13545.0	15169.7	13161.5	9712.1	7290.2	5814.8	5504.0
80°	1485.4	1503.6	2006.2	3602.7	6779.5	8912.9	7278.1	3784.3	2127.3	1499.6	1412.8
82.5°	472.3	512.6	625.7	934.4	2278.7	4067.0	2339.2	1009.1	718.5	573.2	516.7
85°	230.1	228.0	316.9	379.4	581.3	900.2	619.7	468.3	409.7	272.5	246.2
87.5°	96.9	98.9	147.4	133.2	169.5	145.3	199.8	209.9	220.0	121.1	105.0
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)