

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: P383692

Luminaire Tested: **GAN-SA9D-735-U-5WQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P383692
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-SA9D-735-U-5WQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(9) 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: 68061.7 lumens
Efficiency: N/A
Efficacy: 118.4 lumens/watt
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G5

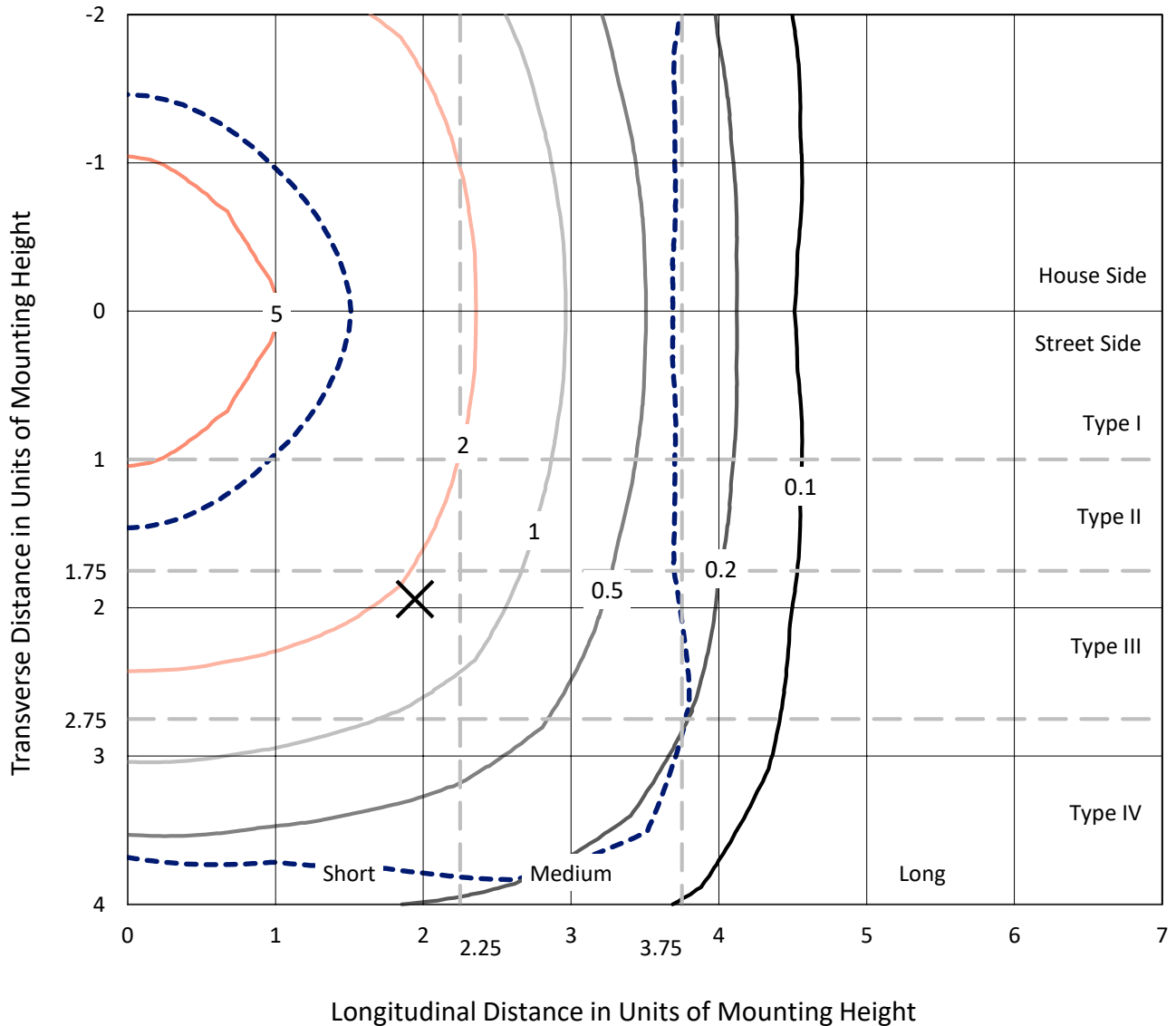
Input Watts (W): 575
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

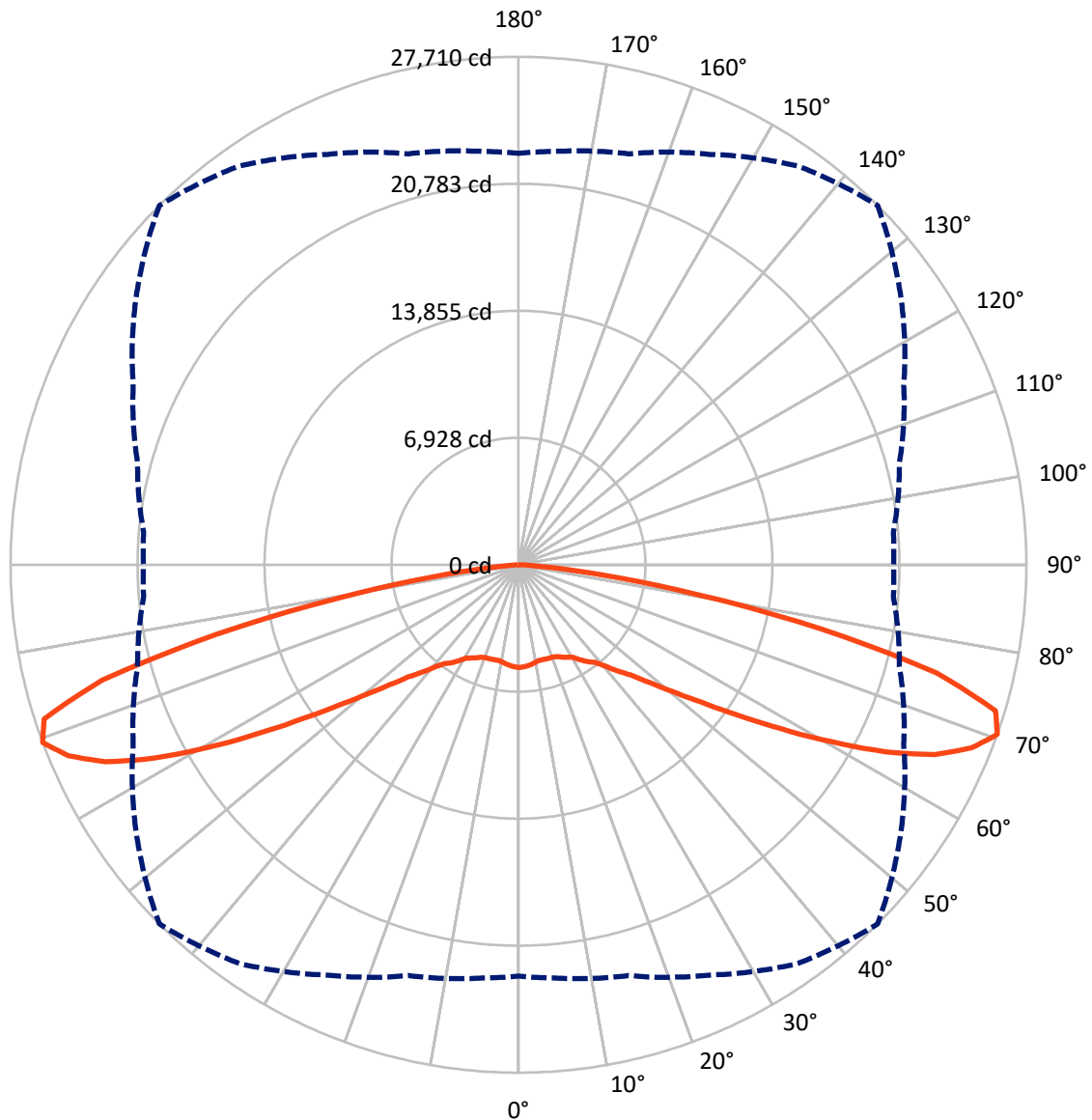
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9 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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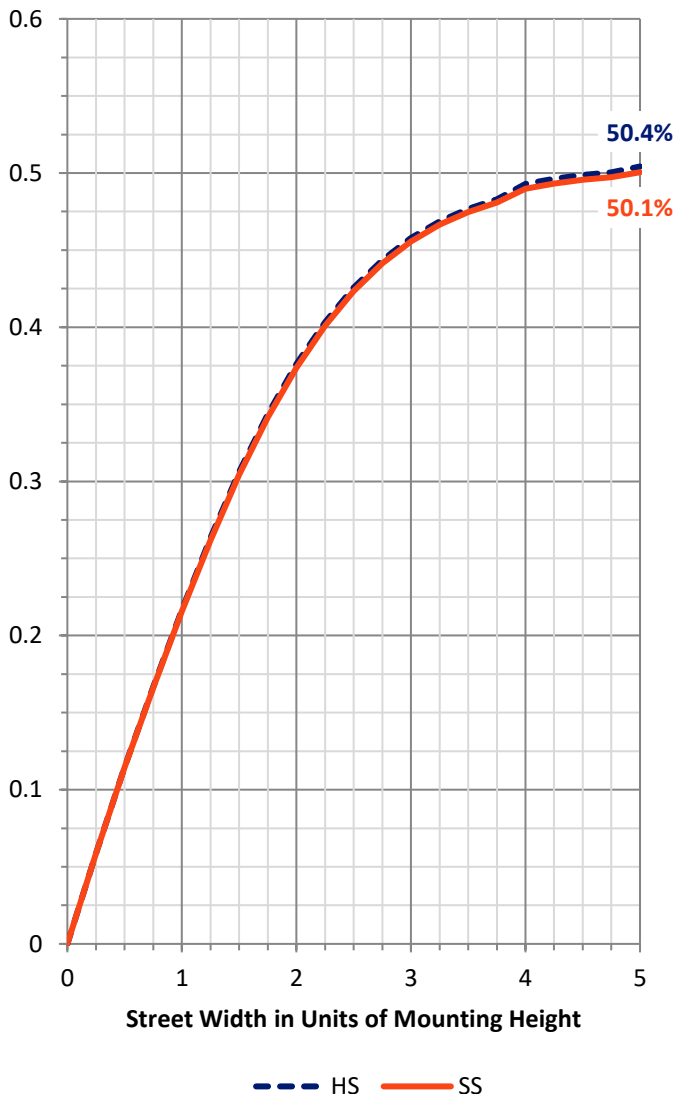
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	34030.8	0.0	34030.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	34030.8	0.0	34030.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	68061.7	0.0	68061.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	522.8	0.8
10°-20°	1527.1	2.2
20°-30°	2603.7	3.8
30°-40°	4068.4	6.0
40°-50°	6895.0	10.1
50°-60°	12573.5	18.5
60°-70°	21646.1	31.8
70°-80°	16967.0	24.9
80°-90°	1258.1	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°	68061.7	100.0
0°-180°	68061.7	100.0

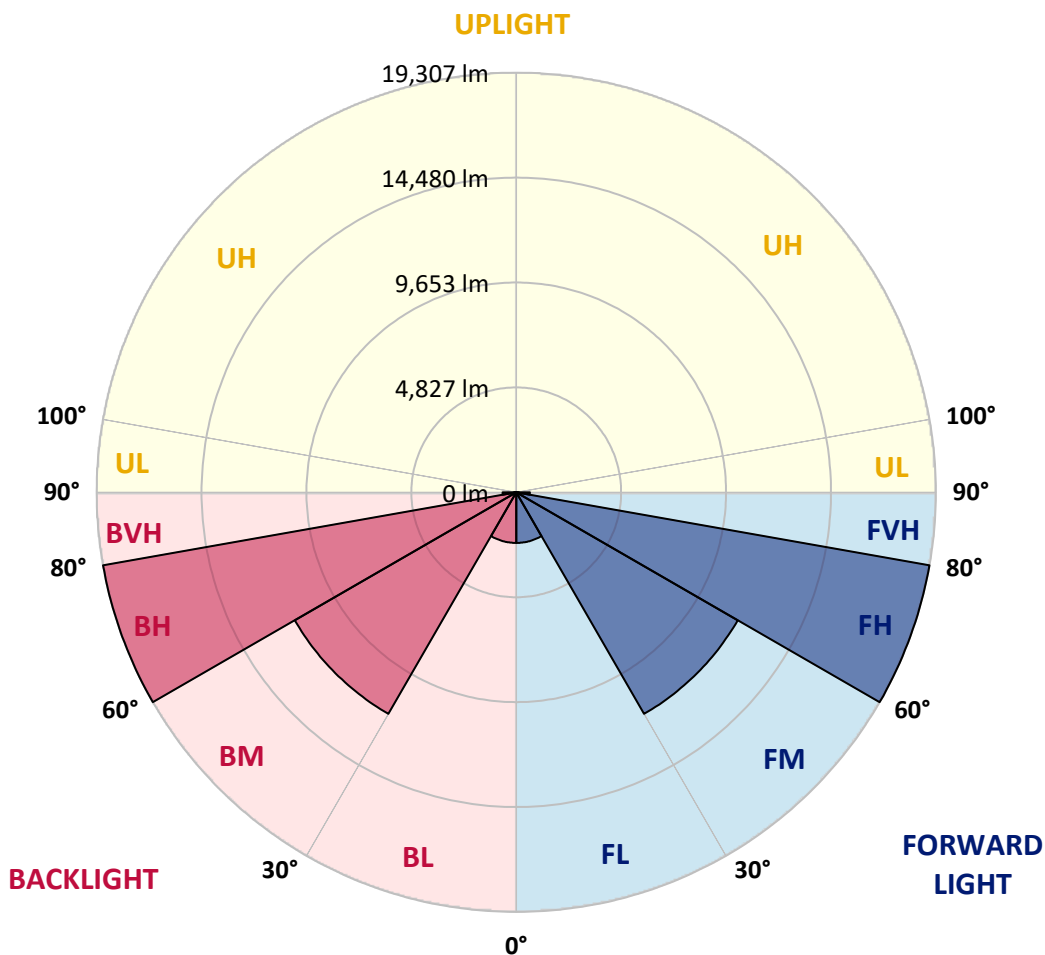


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2326.8	3.4			
FM (30°-60°)	11768.4	17.3			
FH (60°-80°)	19306.6	28.4			G5
FVH (80°-90°)	629.0	0.9			G4/750
BL (0°-30°)	2326.8	3.4	B3/2500		
BM (30°-60°)	11768.4	17.3	B5		
BH (60°-80°)	19306.6	28.4	B5		G5
BVH (80°-90°)	629.0	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°	5601.5	5601.5	5601.5	5601.5	5601.5	5601.5	5601.5	5601.5	5601.5	5601.5	5601.5
2.5°	5576.7	5583.5	5576.7	5581.2	5570.0	5574.5	5574.5	5574.5	5572.2	5574.5	5570.0
5°	5527.2	5531.7	5522.7	5527.2	5520.4	5527.2	5529.5	5527.2	5522.7	5524.9	5516.0
7.5°	5452.9	5457.4	5450.7	5457.4	5448.3	5459.6	5457.4	5450.7	5443.9	5443.9	5434.8
10°	5412.4	5414.6	5396.6	5389.8	5369.6	5374.1	5380.8	5387.6	5394.3	5407.8	5405.6
12.5°	5414.6	5414.6	5387.6	5358.4	5329.1	5335.8	5347.1	5371.9	5398.9	5423.7	5425.9
15°	5437.2	5434.8	5394.3	5347.1	5326.8	5347.1	5353.8	5369.6	5412.4	5455.1	5457.4
17.5°	5452.9	5452.9	5389.8	5335.8	5333.6	5365.1	5362.8	5369.6	5416.9	5479.9	5482.2
20°	5482.2	5482.2	5401.1	5342.6	5342.6	5376.3	5378.6	5389.8	5437.2	5506.9	5518.2
22.5°	5547.5	5549.7	5464.2	5416.9	5421.3	5441.6	5448.3	5466.4	5509.2	5585.7	5599.3
25°	5639.8	5644.2	5556.5	5529.5	5545.2	5583.5	5578.9	5592.5	5639.8	5714.0	5727.5
27.5°	5768.0	5756.9	5675.8	5664.6	5680.3	5707.3	5705.1	5707.3	5745.6	5813.1	5828.9
30°	5934.7	5930.2	5871.6	5878.4	5871.6	5862.6	5864.9	5882.9	5903.2	5957.2	5973.0
32.5°	6096.8	6101.3	6065.3	6099.0	6148.6	6182.3	6130.6	6081.0	6058.5	6087.8	6101.3
35°	6389.5	6400.8	6344.5	6321.9	6389.5	6488.5	6342.2	6261.1	6306.2	6344.5	6355.7
37.5°	6887.0	6893.8	6799.3	6709.2	6659.6	6754.2	6607.8	6614.6	6772.3	6844.3	6842.0
40°	7454.4	7456.7	7393.6	7314.8	7229.3	7251.7	7193.2	7211.2	7314.8	7380.1	7398.1
42.5°	8129.8	8123.1	8024.0	7911.4	7886.7	7909.2	7810.1	7796.6	7915.9	8033.0	8035.3
45°	9005.6	8989.8	8861.5	8737.7	8618.4	8568.8	8544.1	8609.4	8773.7	8881.7	8884.0
47.5°	9948.9	9906.2	9838.6	9739.5	9636.0	9586.5	9545.9	9577.4	9696.8	9739.5	9744.1
50°	10919.3	10928.3	10941.8	10903.6	10865.3	10849.5	10743.7	10682.9	10718.9	10640.1	10628.9
52.5°	12069.8	12087.8	12218.4	12328.7	12394.0	12427.8	12227.4	12018.0	11900.9	11747.8	11702.8
55°	13427.3	13456.6	13648.0	13954.2	14269.4	14436.0	14073.5	13681.7	13319.3	13033.4	12941.1
57.5°	14940.3	14992.0	15255.5	15843.1	16489.2	16883.3	16270.9	15559.5	14859.2	14447.3	14375.2
60°	16714.4	16763.9	17128.6	17970.7	19017.5	19609.7	18682.1	17518.1	16646.8	16252.9	16120.1
62.5°	18826.2	18830.7	19278.8	20262.6	21645.0	22469.0	21212.7	19657.0	18758.7	18283.6	18155.3
65°	21097.9	21109.1	21572.9	22635.6	24065.2	24961.3	23542.9	21921.9	20823.2	20123.0	20024.0
67.5°	22703.1	22750.4	23238.9	24517.8	25855.1	26663.3	25195.4	23362.7	22093.0	21257.7	21174.4
70°	22446.5	22631.1	23205.2	24697.8	26557.5	27710.3	25463.3	23191.7	21516.6	20530.6	20460.7
72.5°	19575.9	19929.4	20694.9	22653.6	25627.7	27214.9	24002.2	20771.5	18875.8	18036.0	17909.9
75°	13330.5	13904.7	15059.6	17885.2	21894.9	23563.1	20206.3	16561.3	14778.2	13616.4	13530.9
77.5°	5943.7	6074.2	7537.7	10791.0	15109.1	16921.6	14681.4	10833.7	8132.0	6486.3	6139.6
80°	1657.0	1677.3	2237.9	4018.8	7562.5	9942.2	8118.5	4221.4	2372.9	1672.8	1576.0
82.5°	526.8	571.9	697.9	1042.4	2541.8	4536.5	2609.4	1125.7	801.5	639.4	576.3
85°	256.6	254.4	353.4	423.3	648.4	1004.1	691.2	522.3	457.0	304.0	274.7
87.5°	108.1	110.3	164.3	148.6	189.1	162.1	222.9	234.2	245.4	135.1	117.1
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)