

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: P530436

Luminaire Tested: **GLAN-SA5C-830-U-5WQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P530436
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-2)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA5C-830-U-5WQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(5) 80 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 23735 lumens
Efficiency: N/A
Efficacy: 88.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

Input Watts (W): 269
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

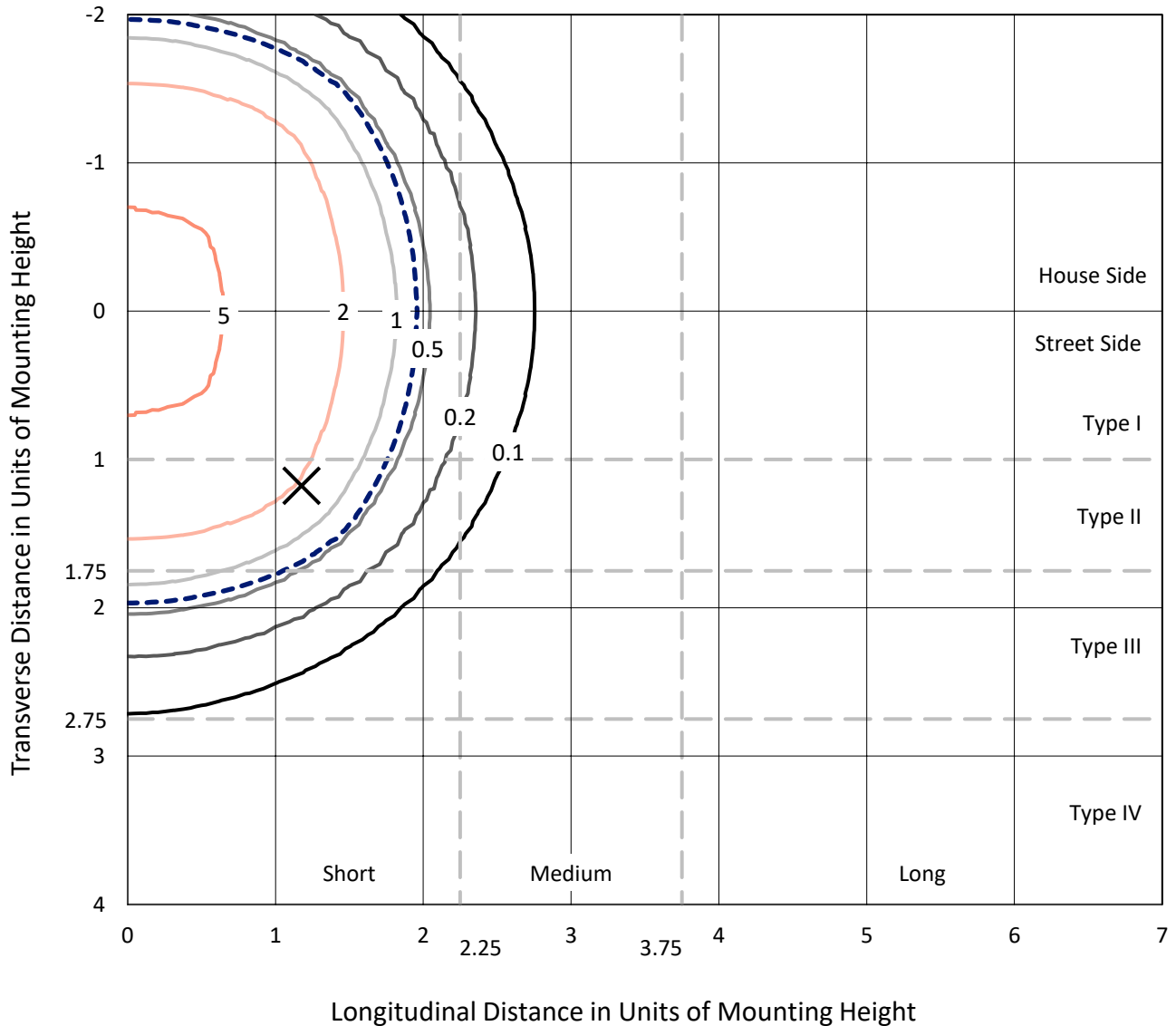




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Iso-Footcandle Lines of Horizontal Illumination

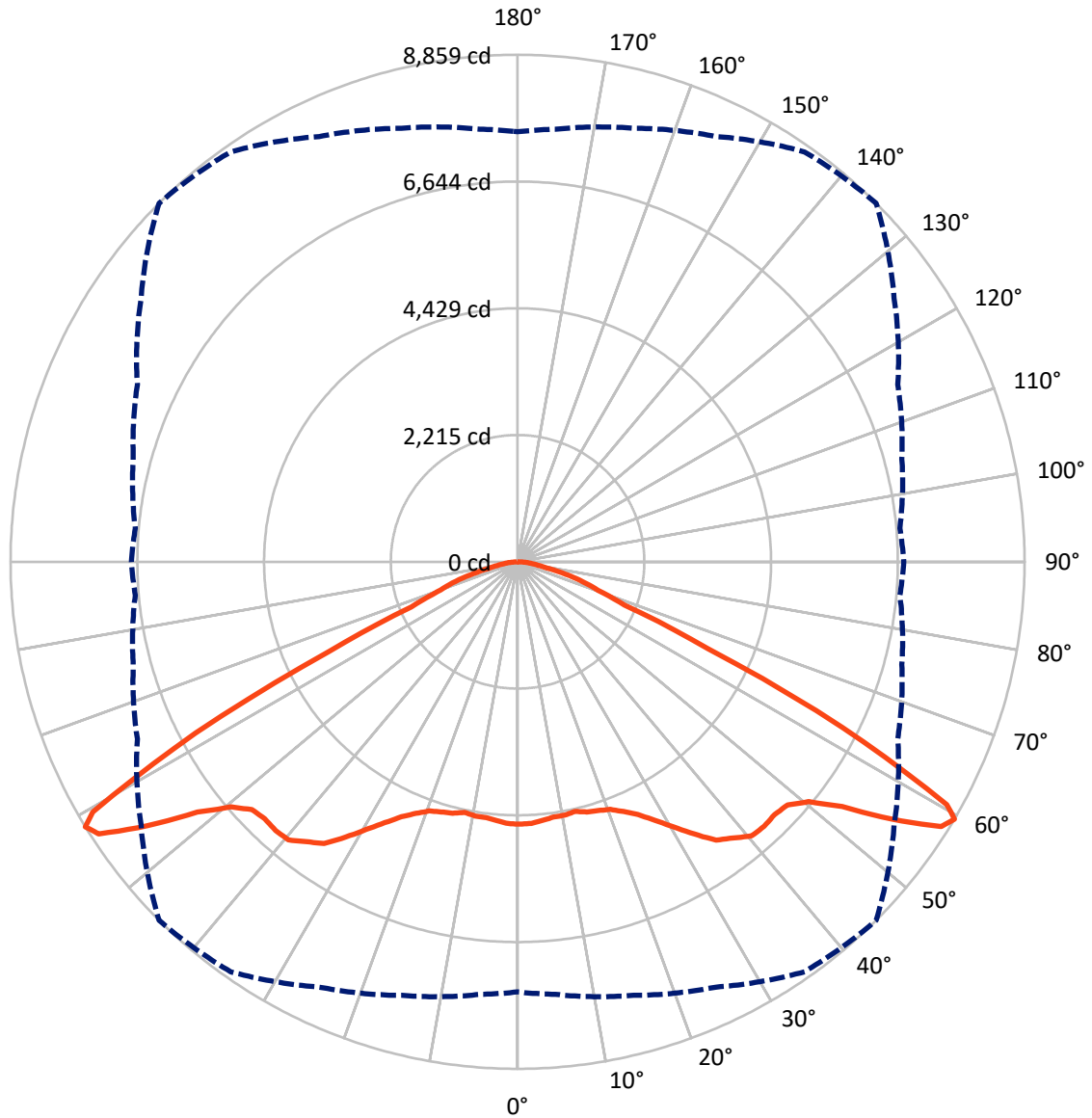
× Max cd
 - - - 1/2 Max cd



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



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 59-Deg Vertical

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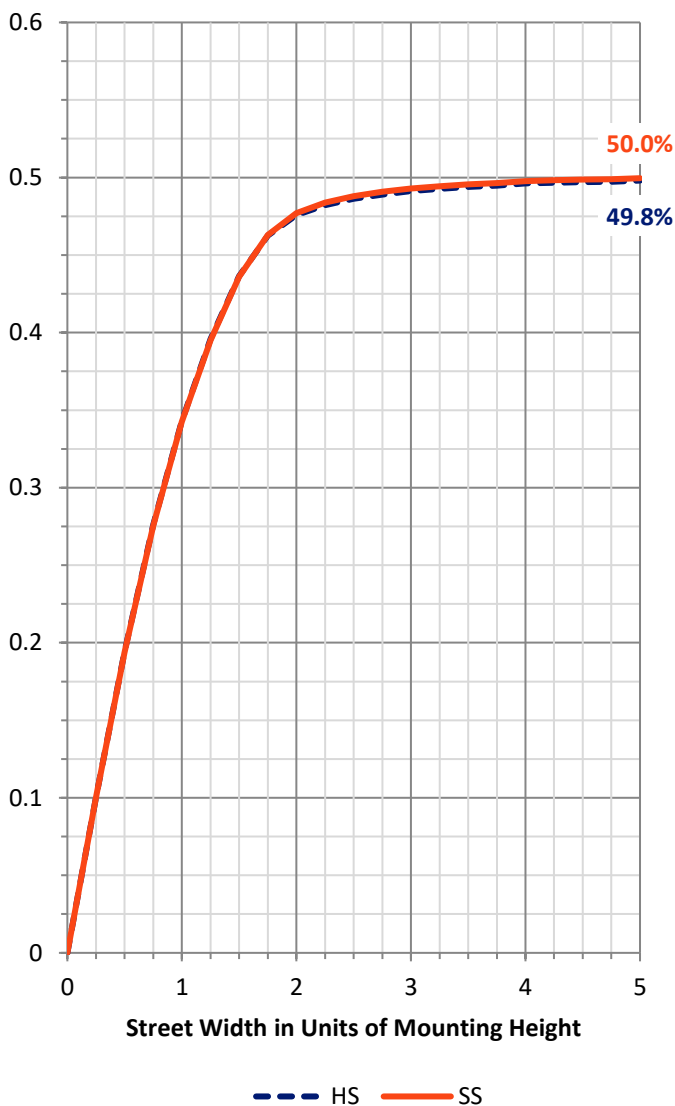
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	11867.5	0.0	11867.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	11867.5	0.0	11867.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	23735.0	0.0	23735.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	432.2	1.8
10°-20°	1285.2	5.4
20°-30°	2244.1	9.5
30°-40°	3584.1	15.1
40°-50°	4882.3	20.6
50°-60°	6602.2	27.8
60°-70°	3620.7	15.3
70°-80°	926.3	3.9
80°-90°	158.0	0.7
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°	23735.0	100.0
0°-180°	23735.0	100.0



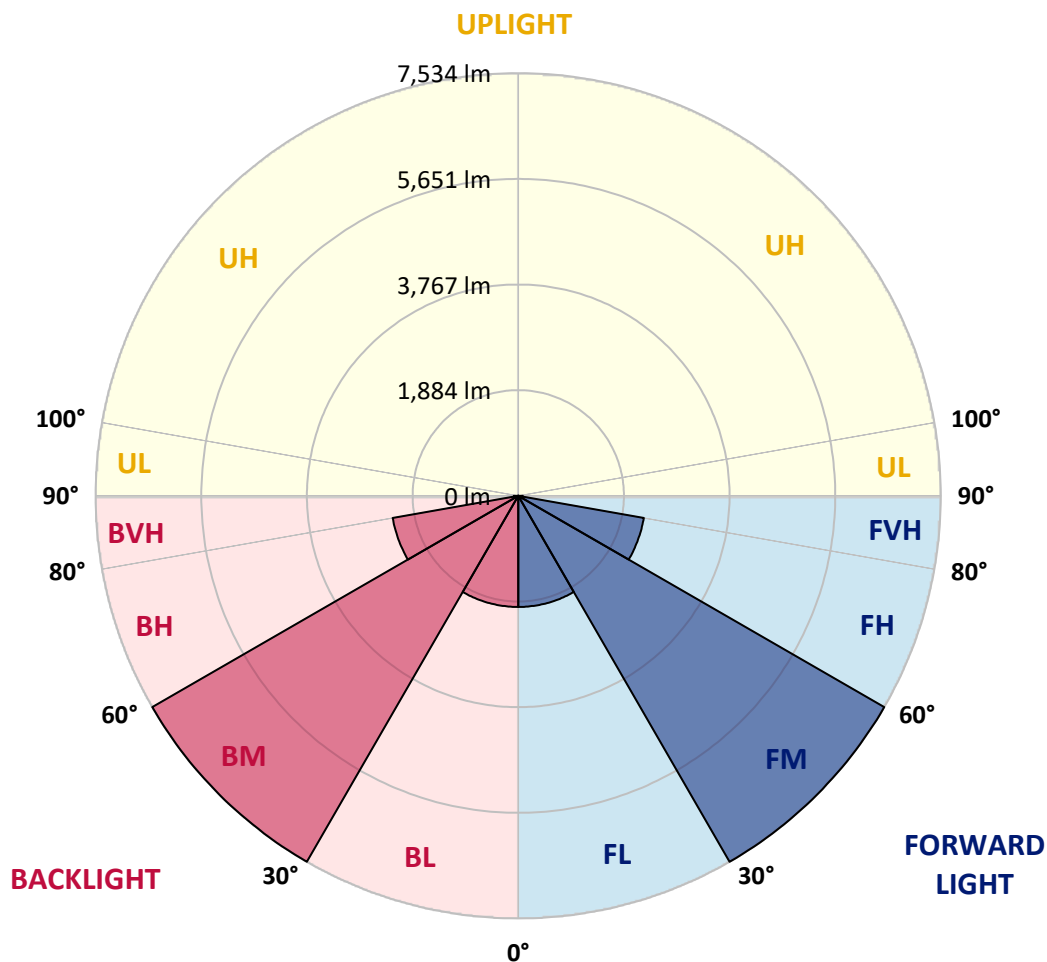
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1980.7	8.3			
FM (30°-60°)	7534.3	31.7			
FH (60°-80°)	2273.5	9.6			G2/5000
FVH (80°-90°)	79.0	0.3			G1/100
BL (0°-30°)	1980.7	8.3	B3/2500		
BM (30°-60°)	7534.3	31.7	B4/8500		
BH (60°-80°)	2273.5	9.6	B3/2500		G2/5000
BVH (80°-90°)	79.0	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4584.5	4584.5	4584.5	4584.5	4584.5	4584.5	4584.5	4584.5	4584.5	4584.5	4584.5
2.5°	4557.1	4590.6	4566.2	4587.5	4584.5	4575.3	4560.1	4551.0	4538.8	4557.1	4526.7
5°	4538.8	4566.2	4593.6	4557.1	4557.1	4538.8	4529.7	4511.5	4511.5	4508.4	4505.4
7.5°	4569.3	4541.9	4529.7	4535.8	4541.9	4502.3	4529.7	4493.2	4462.8	4484.1	4508.4
10°	4541.9	4554.0	4508.4	4529.7	4496.2	4502.3	4484.1	4508.4	4475.0	4475.0	4475.0
12.5°	4569.3	4535.8	4551.0	4535.8	4526.7	4475.0	4499.3	4471.9	4468.9	4499.3	4471.9
15°	4624.0	4569.3	4557.1	4526.7	4535.8	4535.8	4511.5	4514.5	4481.0	4499.3	4505.4
17.5°	4605.8	4575.3	4566.2	4529.7	4560.1	4569.3	4523.6	4493.2	4514.5	4511.5	4508.4
20°	4621.0	4633.1	4624.0	4630.1	4642.3	4617.9	4575.3	4532.8	4505.4	4544.9	4541.9
22.5°	4718.3	4706.2	4700.1	4694.0	4715.3	4739.6	4681.8	4614.9	4614.9	4642.3	4654.4
25°	4797.4	4794.4	4791.3	4818.7	4891.7	4891.7	4818.7	4733.5	4712.2	4730.5	4715.3
27.5°	4913.0	4946.5	4934.3	4983.0	5089.5	5113.8	5016.4	4916.1	4858.3	4837.0	4864.3
30°	5177.7	5138.1	5147.3	5199.0	5293.3	5372.4	5223.3	5116.8	5037.7	5034.7	5046.9
32.5°	5354.1	5384.5	5411.9	5460.6	5609.7	5670.5	5491.0	5317.6	5268.9	5241.6	5250.7
35°	5707.0	5679.6	5673.5	5722.2	5871.3	5971.7	5746.6	5594.4	5530.6	5591.4	5591.4
37.5°	6041.6	5965.6	5907.8	5971.7	6108.6	6120.7	5929.1	5846.9	5813.5	5883.4	5880.4
40°	6199.8	6193.7	6059.9	6096.4	6278.9	6297.2	6117.7	6020.3	6014.3	6105.5	6196.8
42.5°	6364.1	6306.3	6172.5	6196.8	6309.3	6315.4	6145.1	6117.7	6184.6	6272.8	6278.9
45°	6391.5	6342.8	6257.6	6196.8	6278.9	6297.2	6196.8	6215.0	6221.1	6327.6	6327.6
47.5°	6446.2	6440.2	6391.5	6345.9	6361.1	6345.9	6282.0	6309.3	6400.6	6452.3	6428.0
50°	6598.3	6534.5	6583.1	6543.6	6546.6	6589.2	6531.4	6558.8	6540.5	6494.9	6464.5
52.5°	6933.0	6902.6	6945.1	6972.5	7002.9	7100.3	7033.4	6887.3	6750.5	6628.8	6625.7
55°	7422.8	7444.1	7526.2	7666.1	7784.8	7939.9	7617.5	7267.6	7048.6	6856.9	6869.1
57.5°	7885.2	7870.0	7982.5	8301.9	8648.7	8727.8	8095.1	7596.2	7240.2	7118.5	7066.8
59°	7514.0	7587.0	7842.6	8198.5	8743.0	8858.6	8031.2	7328.5	6951.2	6704.8	6747.4
60°	6929.9	6957.3	7185.5	7681.3	8417.5	8615.3	7602.2	6914.7	6412.8	6269.8	6333.7
62.5°	4897.8	4876.5	5040.8	5445.4	6105.5	6373.2	5652.2	5168.6	4852.2	4694.0	4730.5
65°	2604.1	2701.4	2768.3	3020.8	3370.7	3653.6	3355.5	3145.5	2969.1	2838.3	2835.3
67.5°	1758.3	1746.2	1761.4	1819.2	1937.8	2016.9	2010.8	1904.4	1889.2	1864.8	1892.2
70°	1481.5	1475.4	1448.0	1448.0	1472.4	1490.6	1511.9	1524.1	1548.4	1578.9	1575.8
72.5°	1201.6	1186.4	1168.2	1159.0	1189.5	1198.6	1226.0	1238.1	1259.4	1256.4	1283.8
75°	794.0	794.0	815.3	839.6	848.8	867.0	870.0	906.6	906.6	912.6	888.3
77.5°	444.1	432.0	447.2	471.5	492.8	526.3	559.7	587.1	602.3	596.3	596.3
80°	258.6	258.6	273.8	301.2	328.5	359.0	383.3	404.6	419.8	413.7	401.6
82.5°	161.2	161.2	176.4	203.8	225.1	243.4	276.8	304.2	322.5	316.4	301.2
85°	82.1	82.1	100.4	118.6	146.0	158.2	155.1	143.0	139.9	124.7	124.7
87.5°	21.3	21.3	30.4	33.5	27.4	30.4	30.4	30.4	30.4	30.4	33.5
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)