

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: P653468

Luminaire Tested: **GLAN-SA7D-840-U-5MQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P653468
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-3)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA7D-840-U-5MQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 80 CRI, 4000K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V
MEDIUM OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 27195.4 lumens
Efficiency: N/A
Efficacy: 62.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

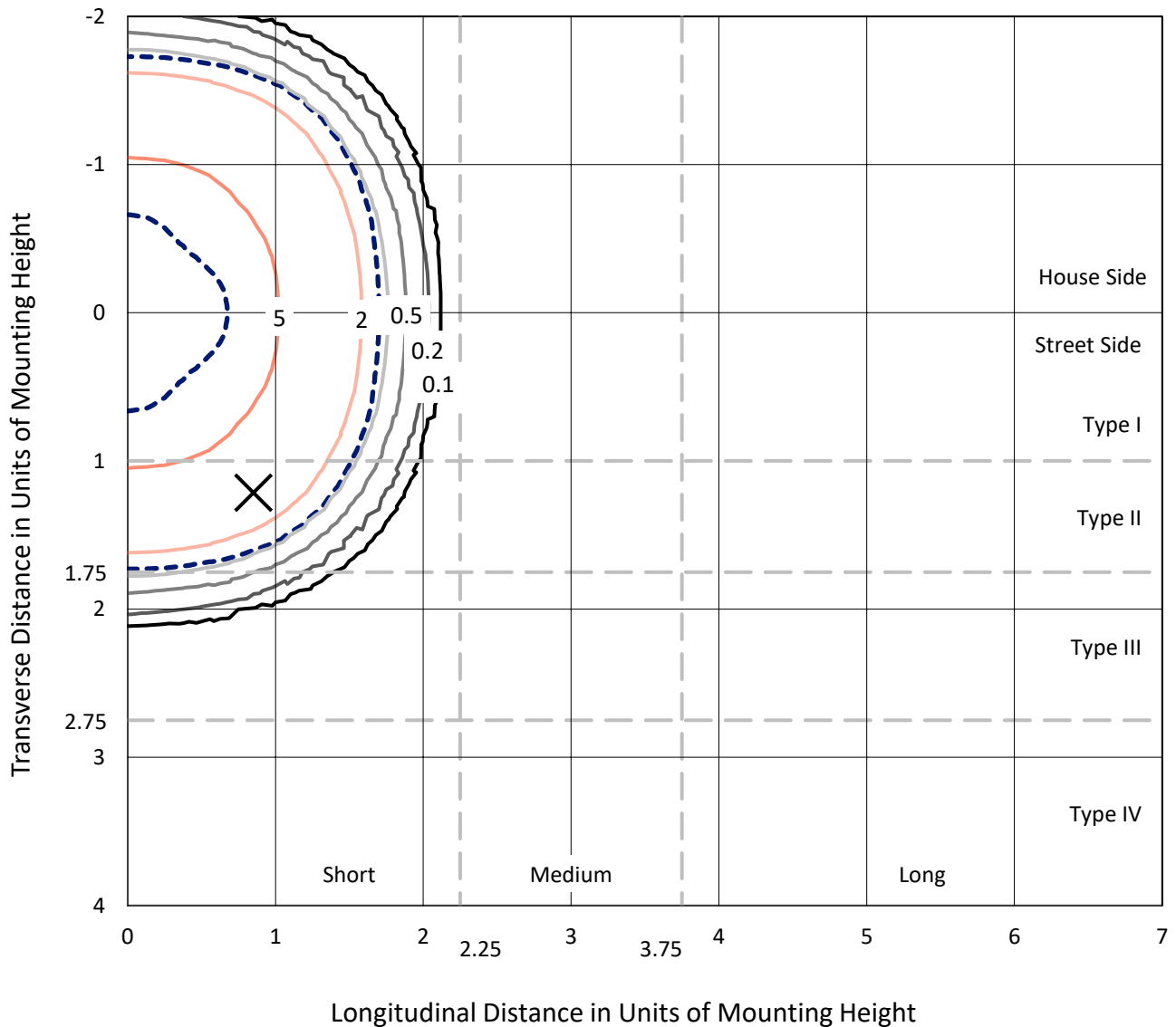
Input Watts (W): 433
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

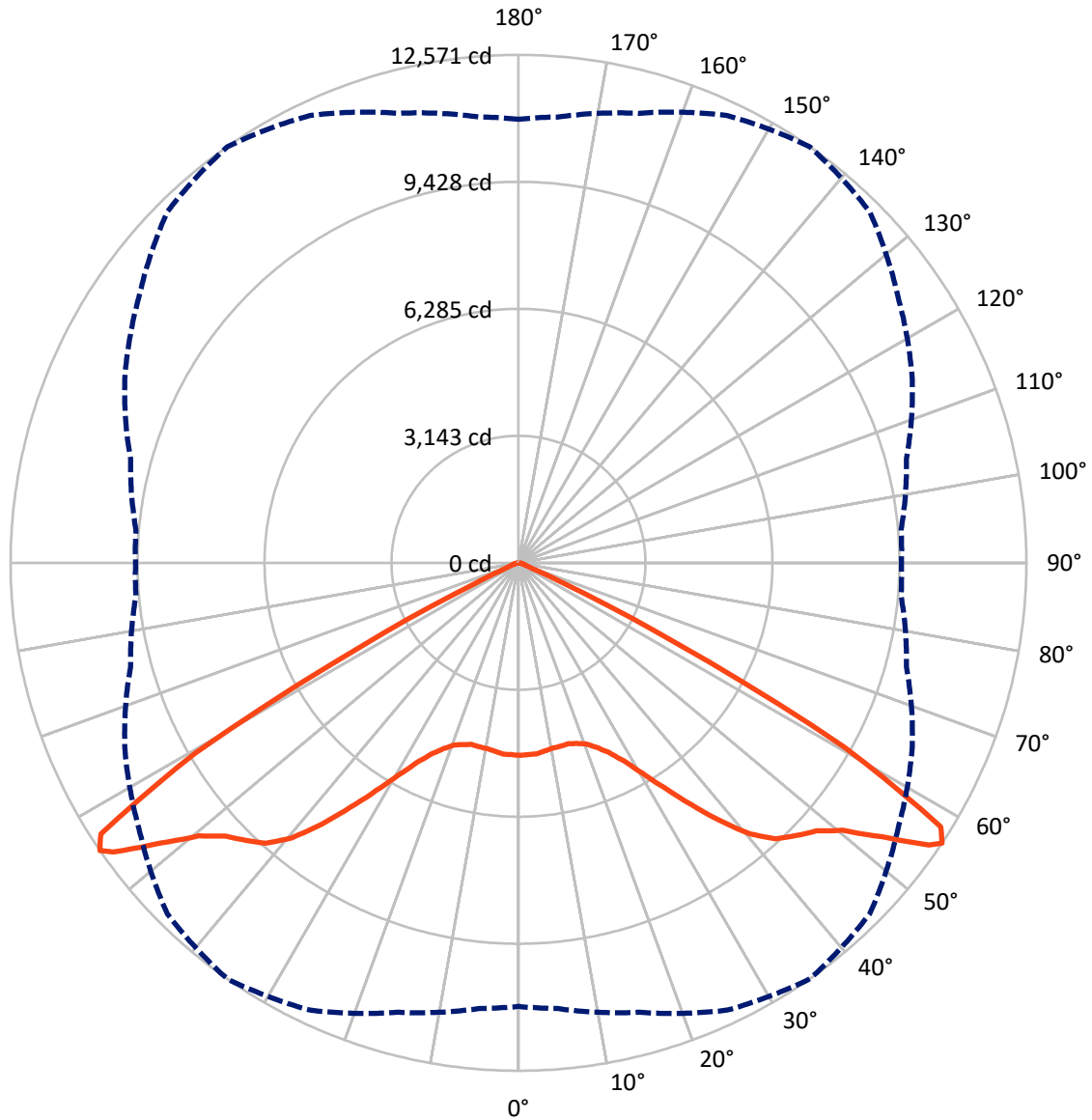
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.6 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 56-Deg Vertical

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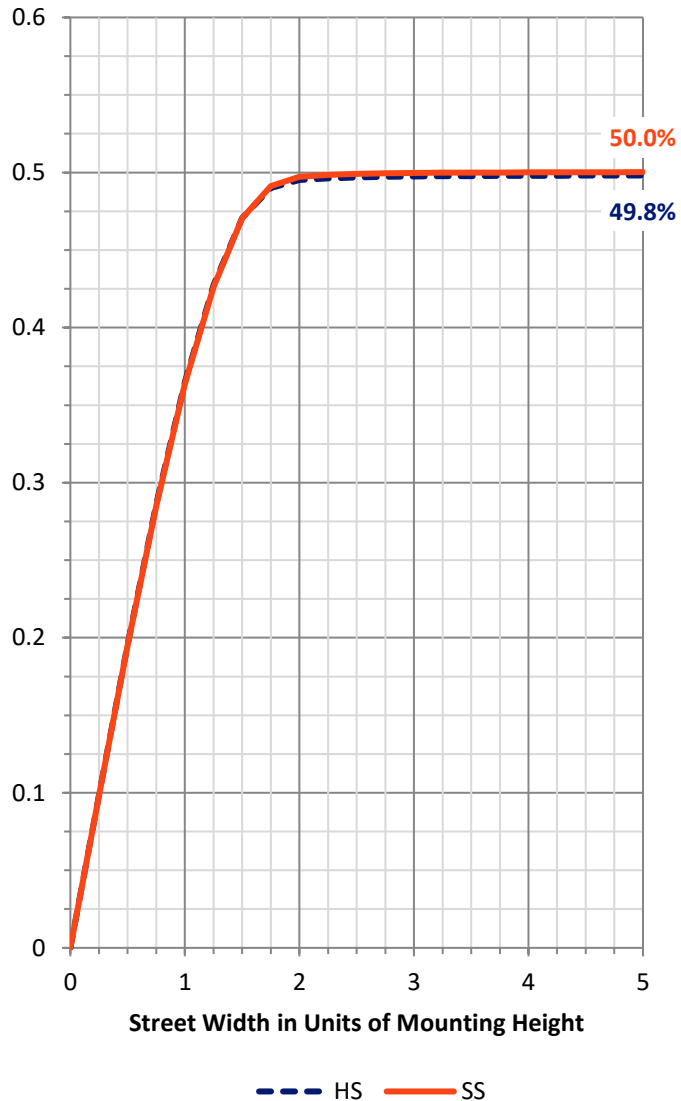
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	13597.7	0.0	13597.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	13597.7	0.0	13597.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	27195.4	0.0	27195.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	447.9	1.6
10°-20°	1307.5	4.8
20°-30°	2367.7	8.7
30°-40°	4390.7	16.1
40°-50°	7207.0	26.5
50°-60°	9284.7	34.1
60°-70°	2046.2	7.5
70°-80°	118.7	0.4
80°-90°	25.0	0.1
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°	27195.4	100.0
0°-180°	27195.4	100.0

Coefficient of Utilization

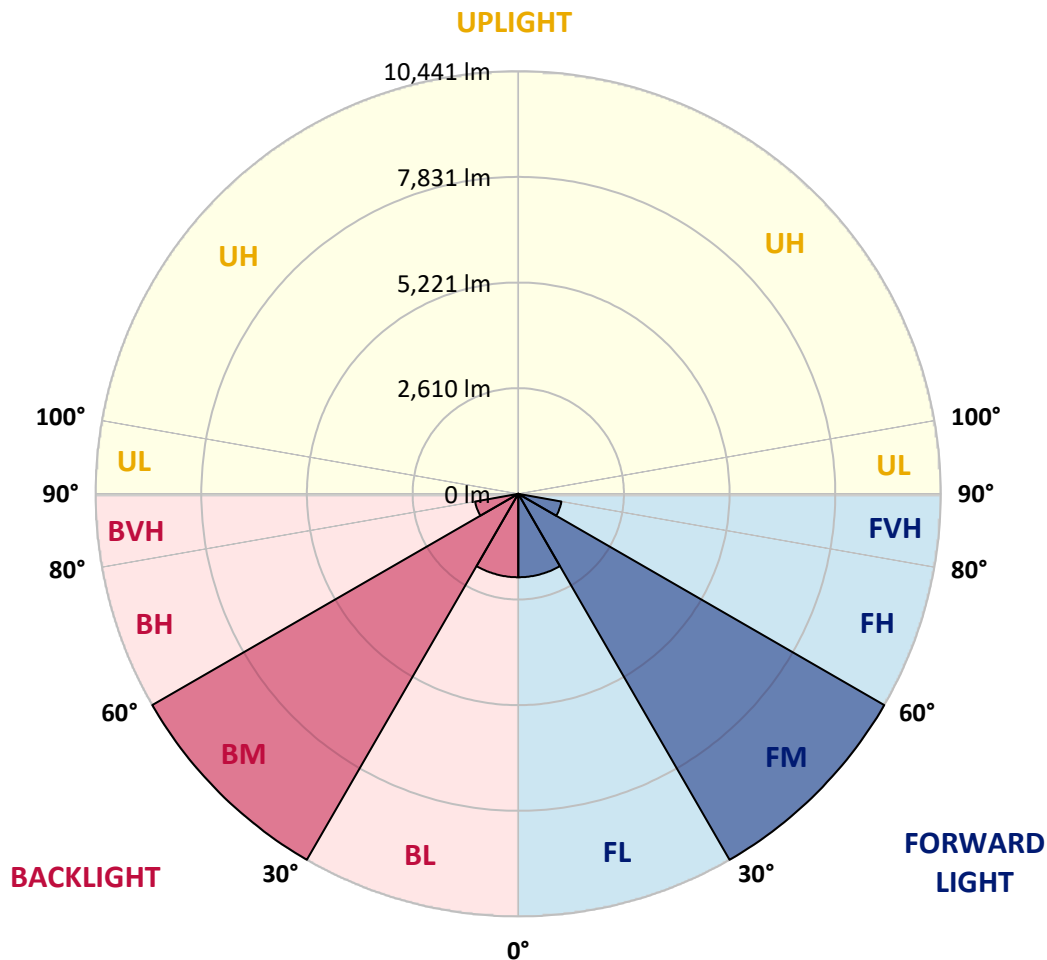


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2061.6	7.6			
FM (30°-60°)	10441.2	38.4			
FH (60°-80°)	1082.5	4.0			G1/1800
FVH (80°-90°)	12.5	0.0			G1/100
BL (0°-30°)	2061.6	7.6	B3/2500		
BM (30°-60°)	10441.2	38.4	B5		
BH (60°-80°)	1082.5	4.0	B3/2500		G1/1800
BVH (80°-90°)	12.5	0.0			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G1
 Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4765.2	4765.2	4765.2	4765.2	4765.2	4765.2	4765.2	4765.2	4765.2	4765.2	4765.2
2.5°	4775.1	4775.1	4780.0	4785.0	4750.5	4735.7	4740.5	4730.7	4725.8	4740.5	4740.5
5°	4760.3	4760.3	4745.5	4750.5	4750.5	4706.1	4706.1	4715.9	4715.9	4686.4	4676.5
7.5°	4720.9	4711.0	4691.3	4715.9	4701.2	4701.2	4666.6	4642.1	4632.1	4651.9	4632.1
10°	4637.1	4642.1	4661.7	4671.6	4661.7	4691.3	4632.1	4597.7	4563.2	4548.4	4548.4
12.5°	4597.7	4627.3	4597.7	4622.3	4656.8	4632.1	4597.7	4573.0	4523.7	4504.1	4504.1
15°	4592.8	4612.5	4622.3	4656.8	4642.1	4651.9	4582.9	4553.3	4479.4	4444.9	4430.1
17.5°	4587.8	4612.5	4627.3	4691.3	4701.2	4706.1	4651.9	4563.2	4499.1	4464.6	4430.1
20°	4642.1	4651.9	4681.4	4745.5	4785.0	4853.9	4755.4	4661.7	4523.7	4484.3	4469.6
22.5°	4711.0	4760.3	4789.8	4858.9	4962.3	5021.4	4893.4	4775.1	4632.1	4582.9	4523.7
25°	4932.8	4922.9	4972.2	5115.1	5198.9	5243.2	5139.8	4967.3	4780.0	4720.9	4730.7
27.5°	5208.7	5218.6	5262.9	5420.7	5543.8	5612.8	5489.6	5262.9	5080.6	4982.1	4972.2
30°	5568.4	5558.6	5607.9	5819.8	6041.5	6145.0	5928.2	5662.1	5484.7	5356.6	5386.1
32.5°	5947.9	5952.9	6090.8	6283.0	6642.7	6844.7	6494.9	6169.7	5903.6	5814.8	5770.5
35°	6509.7	6534.3	6642.7	6938.4	7337.6	7598.8	7214.4	6825.1	6519.5	6357.0	6376.6
37.5°	7204.5	7179.9	7362.2	7682.5	8101.4	8293.5	7968.3	7524.8	7214.4	7105.9	7174.9
40°	7943.7	7968.3	8061.9	8352.7	8820.8	8949.0	8466.0	8224.6	7953.5	7899.3	7983.1
42.5°	8682.8	8668.1	8737.1	8998.2	9338.3	9249.6	8963.7	8820.8	8628.7	8520.3	8633.5
45°	9224.9	9200.3	9328.4	9505.8	9629.0	9461.4	9333.3	9284.1	9185.5	9067.2	9170.7
47.5°	9752.2	9732.5	9855.7	9905.0	9914.8	9693.0	9717.7	9806.4	9560.0	9313.7	9431.9
50°	10200.7	10166.2	10318.9	10427.3	10402.7	10047.8	10136.6	10047.8	9663.5	9372.8	9328.4
52.5°	10949.7	10964.5	11127.1	11324.1	11265.0	10969.4	10841.2	10437.1	9944.4	9683.2	9530.5
55°	11422.7	11348.8	11629.7	12255.6	12324.5	12019.0	11452.3	10856.0	10116.9	9796.6	9757.1
56°	10979.3	11072.9	11516.4	12216.1	12570.9	12290.0	11467.1	10752.5	9939.4	9505.8	9476.2
57.5°	9850.7	9801.4	10402.7	11358.7	12324.5	12206.3	11063.0	10013.4	9067.2	8579.4	8520.3
60°	6130.2	6273.1	6800.4	7983.1	9274.2	9333.3	8199.9	7298.1	6194.3	5760.7	5864.1
62.5°	2399.9	2276.7	2606.8	3488.9	4375.9	4573.0	4144.3	3444.6	2828.6	2399.9	2370.3
65°	556.8	542.0	611.1	842.7	1177.7	1365.0	1296.0	931.3	685.0	650.5	601.2
67.5°	315.4	315.4	300.6	300.6	330.2	349.9	335.1	330.2	345.0	359.7	354.8
70°	221.8	216.8	207.0	211.9	202.0	202.0	216.8	241.5	261.2	261.2	266.1
72.5°	133.0	133.0	133.0	147.8	147.8	147.8	162.6	182.3	187.3	182.3	177.4
75°	59.1	59.1	69.0	83.8	93.6	98.6	113.4	123.2	133.0	123.2	113.4
77.5°	14.8	14.8	24.6	34.5	44.3	54.2	73.9	88.7	93.6	88.7	73.9
80°	5.0	5.0	9.8	24.6	44.3	54.2	73.9	78.9	83.8	73.9	59.1
82.5°	5.0	5.0	9.8	24.6	34.5	44.3	59.1	69.0	73.9	64.1	59.1
85°	0.0	5.0	9.8	19.7	29.6	39.4	39.4	29.6	24.6	14.8	19.7
87.5°	0.0	0.0	5.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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)