

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: P653970

Luminaire Tested: **GLAN-SA7A-840-U-5WQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P653970
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-SA7A-840-U-5WQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 80 CRI, 4000K, 615mA 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: 22726.3 lumens
Efficiency: N/A
Efficacy: 105.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

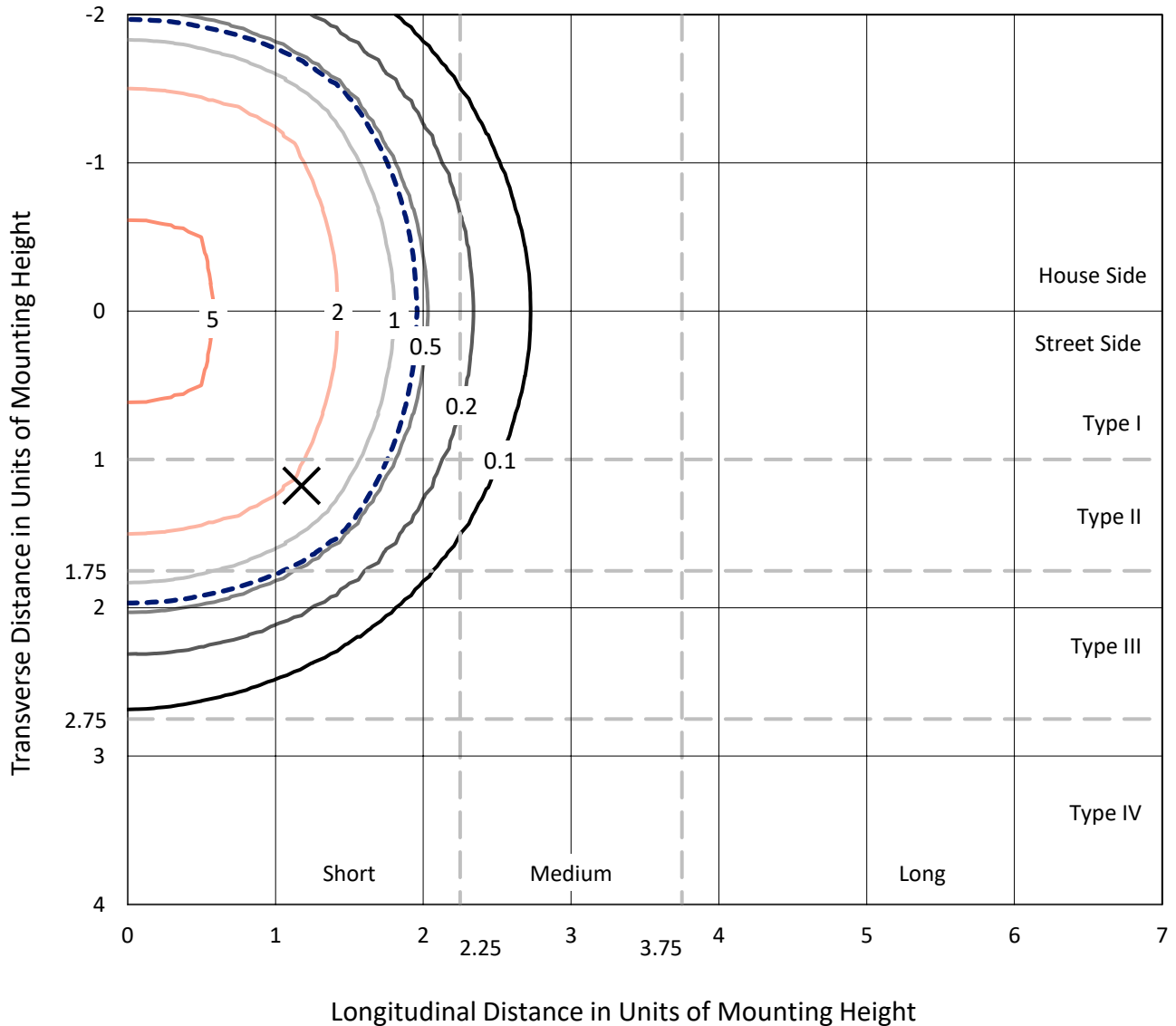
Input Watts (W): 215
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

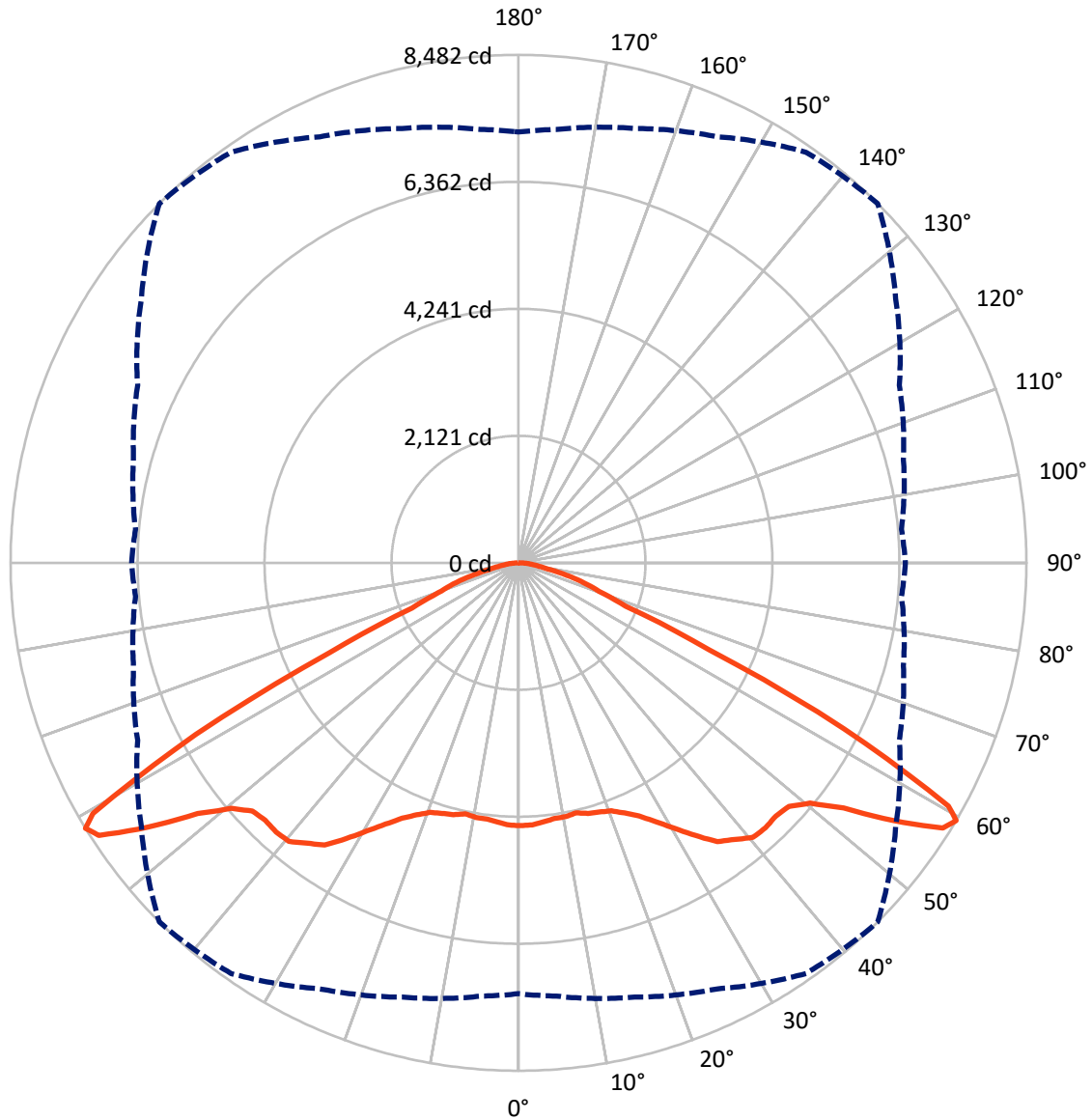
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7 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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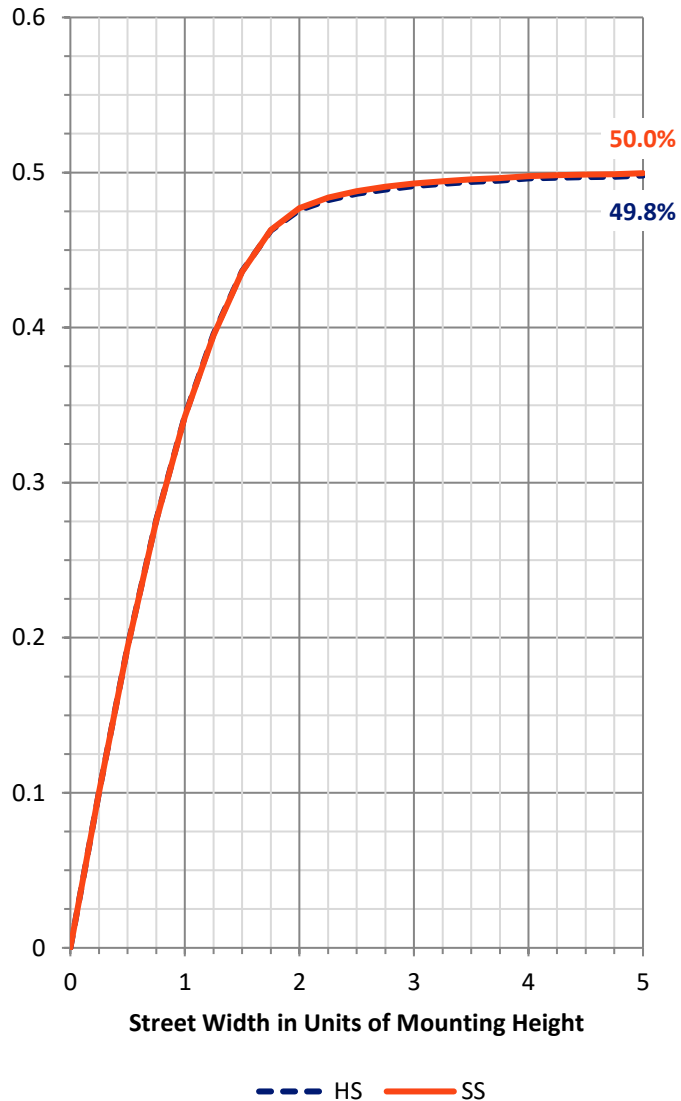
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	11363.2	0.0	11363.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	11363.2	0.0	11363.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	22726.3	0.0	22726.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	413.8	1.8
10°-20°	1230.6	5.4
20°-30°	2148.7	9.5
30°-40°	3431.8	15.1
40°-50°	4674.8	20.6
50°-60°	6321.6	27.8
60°-70°	3466.8	15.3
70°-80°	886.9	3.9
80°-90°	151.3	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°	22726.3	100.0
0°-180°	22726.3	100.0

Coefficient of Utilization



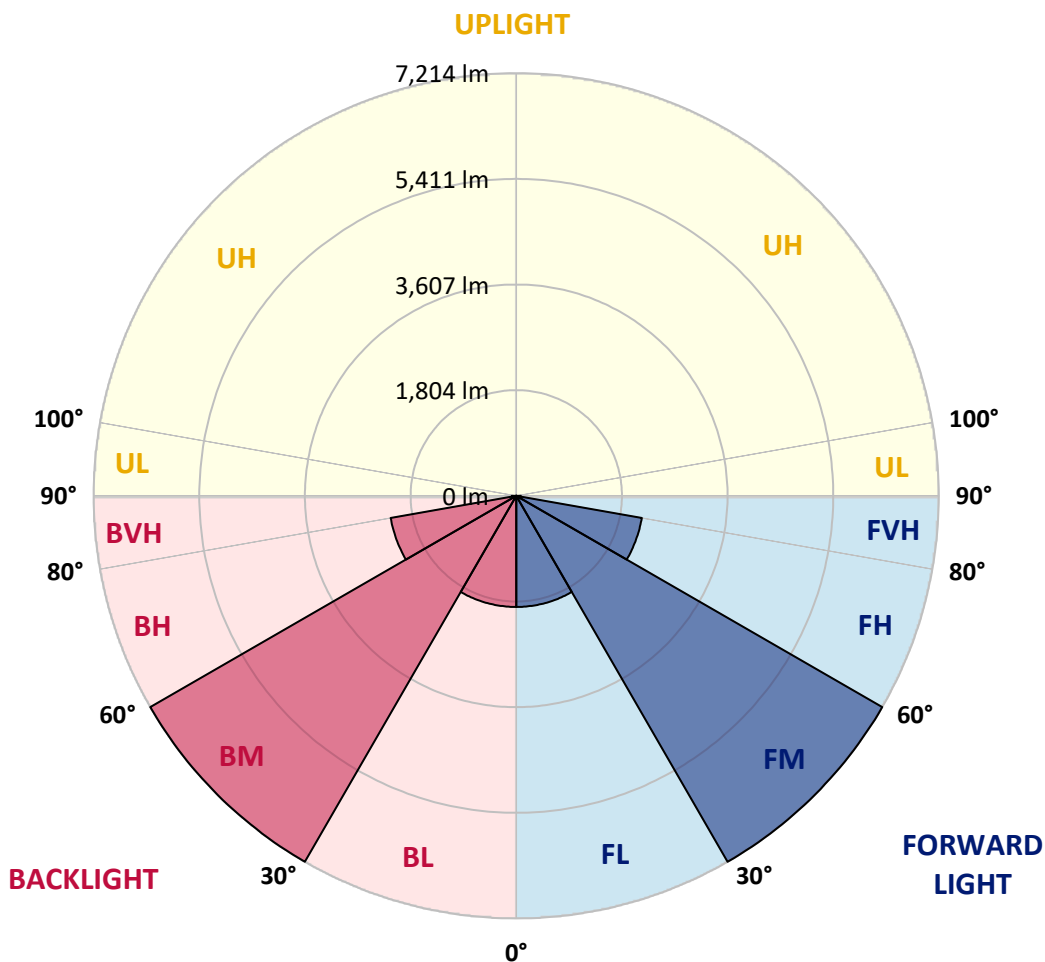
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1896.6	8.3			
FM (30°-60°)	7214.1	31.7			
FH (60°-80°)	2176.9	9.6			G2/5000
FVH (80°-90°)	75.6	0.3			G1/100
BL (0°-30°)	1896.6	8.3	B3/2500		
BM (30°-60°)	7214.1	31.7	B4/8500		
BH (60°-80°)	2176.9	9.6	B3/2500		G2/5000
BVH (80°-90°)	75.6	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°	4389.7	4389.7	4389.7	4389.7	4389.7	4389.7	4389.7	4389.7	4389.7	4389.7	4389.7
2.5°	4363.4	4395.5	4372.2	4392.5	4389.7	4380.9	4366.3	4357.6	4346.0	4363.4	4334.3
5°	4346.0	4372.2	4398.3	4363.4	4363.4	4346.0	4337.2	4319.7	4319.7	4316.9	4313.9
7.5°	4375.1	4348.9	4337.2	4343.0	4348.9	4311.0	4337.2	4302.2	4273.1	4293.6	4316.9
10°	4348.9	4360.5	4316.9	4337.2	4305.2	4311.0	4293.6	4316.9	4284.8	4284.8	4284.8
12.5°	4375.1	4343.0	4357.6	4343.0	4334.3	4284.8	4308.1	4281.9	4278.9	4308.1	4281.9
15°	4427.5	4375.1	4363.4	4334.3	4343.0	4343.0	4319.7	4322.7	4290.6	4308.1	4313.9
17.5°	4410.0	4380.9	4372.2	4337.2	4366.3	4375.1	4331.4	4302.2	4322.7	4319.7	4316.9
20°	4424.6	4436.3	4427.5	4433.3	4445.0	4421.7	4380.9	4340.1	4313.9	4351.8	4348.9
22.5°	4517.8	4506.2	4500.4	4494.5	4514.9	4538.2	4482.9	4418.8	4418.8	4445.0	4456.6
25°	4593.5	4590.6	4587.7	4613.9	4683.9	4683.9	4613.9	4532.4	4512.0	4529.5	4514.9
27.5°	4704.2	4736.3	4724.7	4771.2	4873.2	4896.5	4803.3	4707.2	4651.8	4631.4	4657.6
30°	4957.6	4919.8	4928.5	4978.0	5068.4	5144.1	5001.3	4899.4	4823.6	4820.8	4832.4
32.5°	5126.6	5155.8	5181.9	5228.6	5371.3	5429.5	5257.7	5091.7	5045.0	5018.8	5027.6
35°	5464.5	5438.2	5432.4	5479.0	5621.7	5717.9	5502.3	5356.7	5295.5	5353.8	5353.8
37.5°	5784.9	5712.1	5656.7	5717.9	5849.0	5860.6	5677.1	5598.5	5566.4	5633.4	5630.5
40°	5936.4	5930.6	5802.4	5837.3	6012.1	6029.5	5857.7	5764.5	5758.7	5846.0	5933.4
42.5°	6093.6	6038.3	5910.1	5933.4	6041.2	6047.0	5883.9	5857.7	5921.8	6006.3	6012.1
45°	6119.9	6073.3	5991.7	5933.4	6012.1	6029.5	5933.4	5950.9	5956.7	6058.7	6058.7
47.5°	6172.3	6166.5	6119.9	6076.1	6090.8	6076.1	6015.0	6041.2	6128.6	6178.2	6154.9
50°	6317.9	6256.8	6303.4	6265.5	6268.4	6309.2	6253.8	6280.1	6262.6	6218.9	6189.8
52.5°	6638.3	6609.3	6650.0	6676.2	6705.4	6798.6	6734.5	6594.6	6463.6	6347.0	6344.2
55°	7107.3	7127.7	7206.4	7340.3	7454.0	7602.5	7293.7	6958.8	6749.0	6565.5	6577.2
57.5°	7550.1	7535.5	7643.3	7949.1	8281.2	8356.9	7751.1	7273.4	6932.5	6816.1	6766.5
59°	7194.7	7264.6	7509.3	7850.1	8371.5	8482.2	7689.9	7017.1	6655.8	6419.9	6460.6
60°	6635.4	6661.6	6880.1	7354.9	8059.8	8249.1	7279.2	6620.9	6140.2	6003.4	6064.5
62.5°	4689.7	4669.3	4826.6	5213.9	5846.0	6102.4	5412.1	4948.9	4645.9	4494.5	4529.5
65°	2493.4	2586.6	2650.7	2892.5	3227.4	3498.3	3212.9	3011.9	2842.9	2717.7	2714.7
67.5°	1683.6	1672.0	1686.5	1741.9	1855.5	1931.2	1925.4	1823.5	1808.9	1785.5	1811.8
70°	1418.5	1412.7	1386.5	1386.5	1409.9	1427.3	1447.7	1459.3	1482.6	1511.8	1508.8
72.5°	1150.6	1136.0	1118.5	1109.8	1138.9	1147.6	1173.9	1185.6	1205.9	1203.0	1229.2
75°	760.3	760.3	780.6	803.9	812.7	830.2	833.1	868.0	868.0	873.9	850.6
77.5°	425.3	413.6	428.2	451.4	471.9	503.9	536.0	562.2	576.8	571.0	571.0
80°	247.6	247.6	262.1	288.4	314.6	343.7	367.0	387.4	402.0	396.1	384.5
82.5°	154.4	154.4	169.0	195.2	215.5	233.0	265.1	291.3	308.7	302.9	288.4
85°	78.6	78.6	96.1	113.6	139.8	151.5	148.5	136.9	134.0	119.4	119.4
87.5°	20.4	20.4	29.1	32.0	26.2	29.1	29.1	29.1	29.1	29.1	32.0
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)