

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: P653593

Luminaire Tested: **GLAN-SA9D-840-U-RW**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P653593
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-4)
Test Lab: INNOVATION CENTER
Issue Date: 1/4/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA9D-840-U-RW
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(9) 80 CRI, 4000K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 60851.4 lumens
Efficiency: N/A
Efficacy: 110.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B5 - U0 - G5

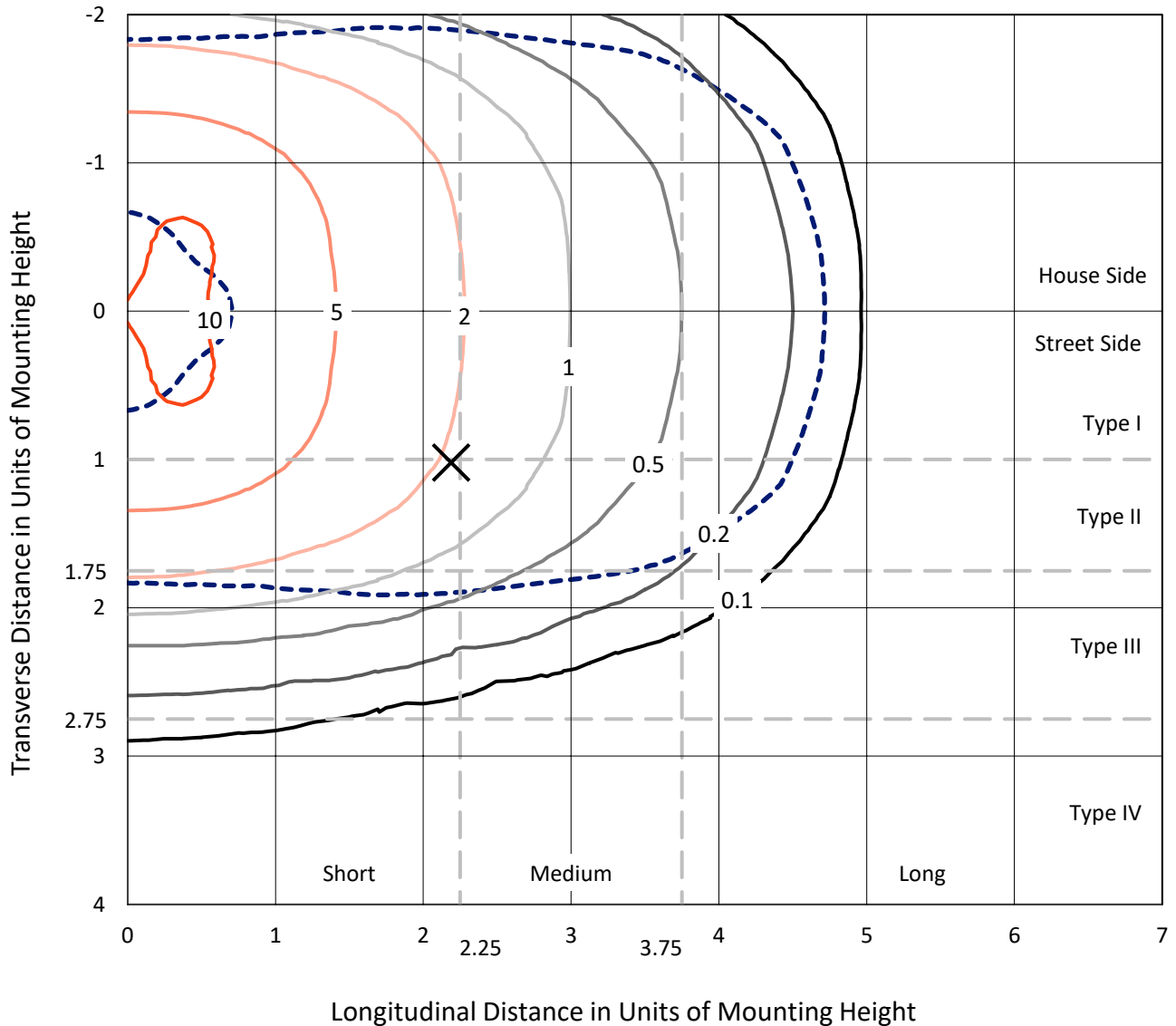
Input Watts (W): 552
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

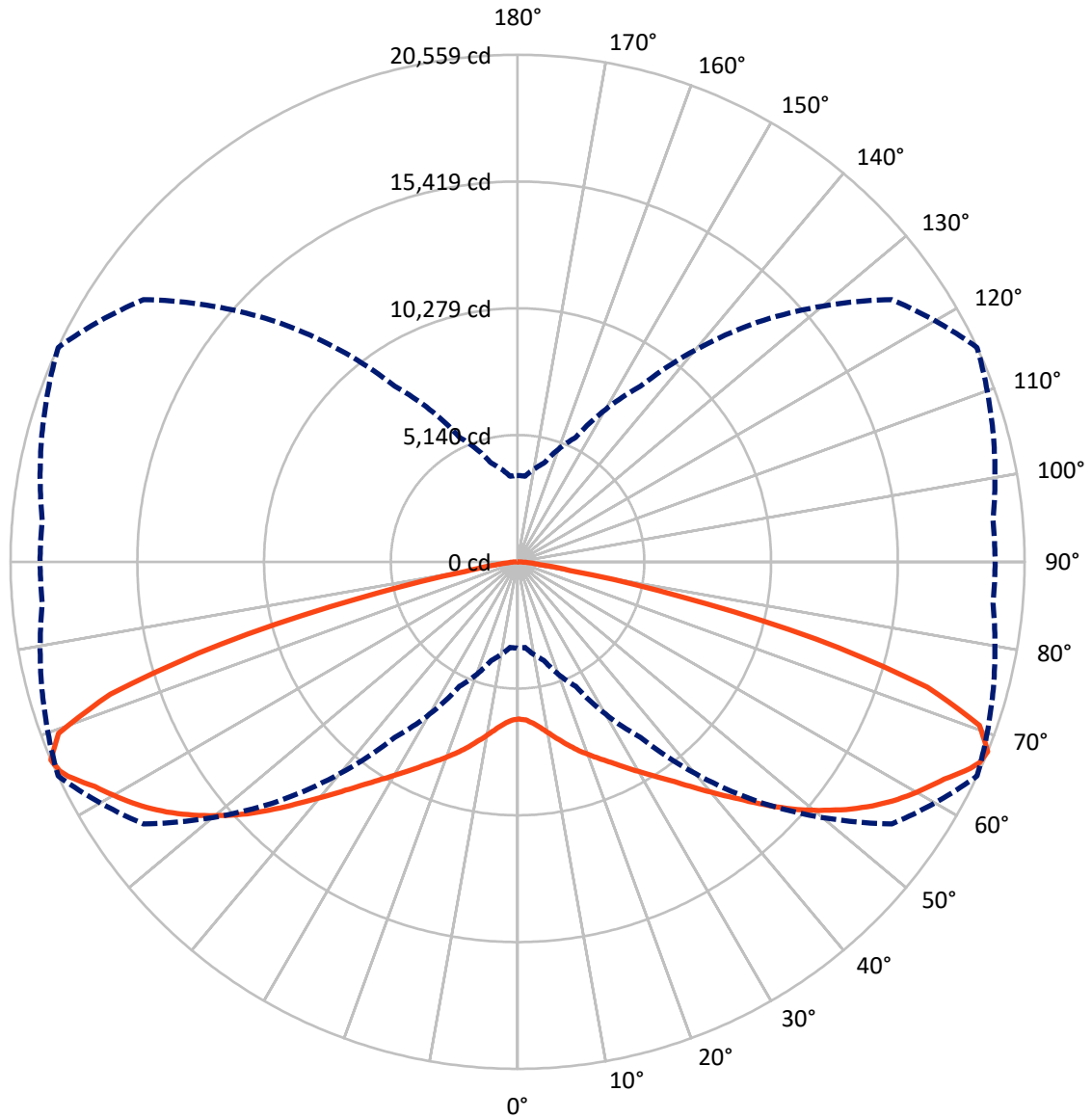
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.6 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	30425.7	0.0	30425.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	30425.7	0.0	30425.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	60851.4	0.0	60851.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	628.6	1.0
10°-20°	2103.9	3.5
20°-30°	4115.4	6.8
30°-40°	6999.8	11.5
40°-50°	11078.5	18.2
50°-60°	14689.9	24.1
60°-70°	13857.1	22.8
70°-80°	6850.3	11.3
80°-90°	527.9	0.9
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°	60851.4	100.0
0°-180°	60851.4	100.0

Coefficient of Utilization

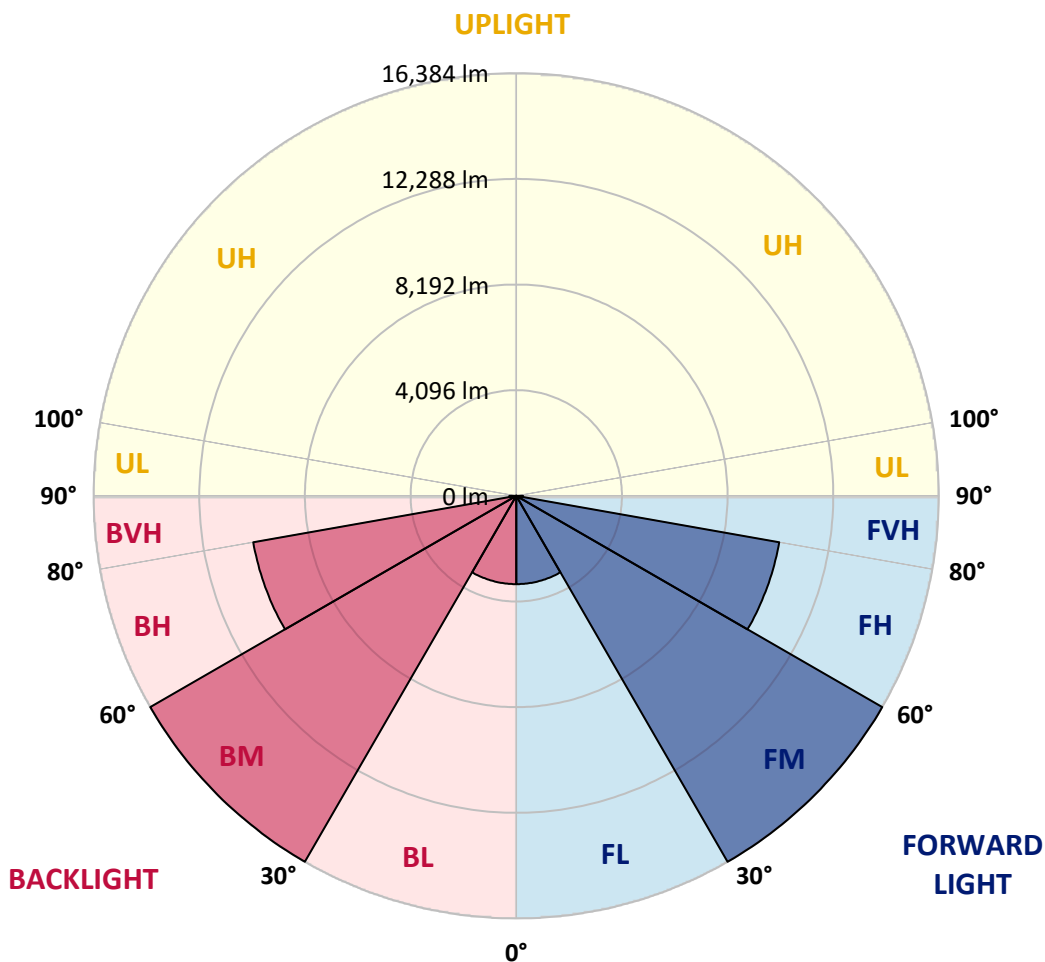


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3424.0	5.6			
FM	(30°-60°)	16384.1	26.9			
FH	(60°-80°)	10353.7	17.0			G4/12000
FVH	(80°-90°)	264.0	0.4			G3/500
BL	(0°-30°)	3424.0	5.6	B4/5000		
BM	(30°-60°)	16384.1	26.9	B5		
BH	(60°-80°)	10353.7	17.0	B5		G5
BVH	(80°-90°)	264.0	0.4			G3/500
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G5
 Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	6373.7	6373.7	6373.7	6373.7	6373.7	6373.7	6373.7	6373.7	6373.7	6373.7	6373.7
2.5°	6341.1	6347.5	6354.1	6363.8	6376.9	6396.5	6409.5	6419.3	6445.3	6448.6	6445.3
5°	6318.3	6324.7	6341.1	6370.4	6412.8	6471.4	6517.1	6572.5	6614.9	6644.2	6637.8
7.5°	6315.0	6328.0	6354.1	6416.0	6497.6	6598.6	6702.9	6797.5	6879.0	6944.1	6934.4
10°	6367.1	6383.4	6425.8	6517.1	6644.2	6791.0	6937.7	7077.9	7195.2	7279.9	7309.3
12.5°	6455.2	6468.2	6546.4	6683.3	6865.9	7048.5	7214.8	7387.6	7550.6	7694.1	7694.1
15°	6608.4	6631.2	6729.0	6927.9	7152.8	7364.7	7534.3	7716.8	7892.9	8055.9	8104.8
17.5°	6820.3	6852.9	6999.6	7253.9	7540.8	7736.4	7896.1	8046.1	8199.3	8355.8	8378.6
20°	7110.5	7143.0	7338.7	7645.1	7984.2	8218.9	8326.5	8362.3	8437.3	8587.3	8606.9
22.5°	7504.9	7537.5	7756.0	8101.5	8479.7	8734.0	8779.6	8694.9	8675.3	8792.7	8805.8
25°	7951.6	7980.9	8232.0	8603.6	8994.8	9271.9	9258.9	9050.3	8932.8	9004.6	9024.2
27.5°	8453.6	8496.0	8750.4	9135.0	9558.8	9803.4	9764.3	9461.0	9210.0	9196.9	9203.5
30°	9095.9	9141.5	9382.8	9751.2	10168.5	10393.4	10311.9	9904.5	9516.4	9386.1	9386.1
32.5°	9774.0	9888.1	10132.6	10517.3	10843.3	11006.3	10882.5	10393.4	9878.3	9695.8	9686.0
35°	10657.5	10719.5	10960.8	11335.7	11580.1	11707.3	11469.3	10944.4	10351.0	10135.9	10106.5
37.5°	11521.4	11573.6	11854.0	12212.7	12509.3	12502.8	12180.0	11599.7	10937.9	10696.7	10677.1
40°	12405.0	12460.4	12779.9	13109.2	13405.9	13379.8	12988.6	12339.7	11635.6	11364.9	11417.2
42.5°	13171.2	13233.1	13594.9	14064.4	14331.7	14325.3	13872.0	13141.8	12408.2	12167.0	12212.7
45°	13868.8	13924.2	14344.8	14882.7	15273.9	15322.9	14827.3	14054.6	13301.5	12991.8	13004.9
47.5°	14361.1	14465.4	14905.5	15521.7	16053.1	16225.9	15740.2	14983.8	14116.6	13793.8	13813.3
50°	14736.0	14801.2	15280.5	15981.4	16653.0	17011.6	16620.3	15844.4	14931.6	14589.3	14634.9
52.5°	14781.7	14859.9	15381.6	16190.0	17050.7	17595.1	17402.8	16685.6	15762.9	15410.8	15508.6
55°	14409.9	14455.6	15078.3	16059.7	17207.2	18028.8	18077.7	17468.0	16555.2	16287.8	16353.1
57.5°	13350.5	13467.8	14256.7	15450.0	16992.1	18260.2	18583.0	18178.7	17357.1	17093.1	17197.4
60°	11612.8	11730.1	12522.3	14035.0	16180.3	18152.6	19000.3	18808.0	18084.2	17872.3	17927.7
62.5°	9099.1	9089.4	10070.7	11925.7	14566.5	17624.5	19310.0	19414.3	18801.5	18534.1	18618.9
65°	5897.7	5927.0	6875.7	8874.2	12131.1	16281.3	19378.5	20187.0	19505.6	19101.4	19163.4
66°	4743.6	4831.5	5636.9	7478.8	10889.0	15401.1	19173.1	20415.2	19720.8	19231.8	19261.1
67.5°	3501.4	3485.1	4147.0	5568.3	8694.9	13728.6	18530.8	20558.7	19965.3	19349.1	19362.2
70°	1998.5	1995.2	2230.0	3058.0	5111.9	9666.5	15619.5	19870.8	20460.9	19773.0	19737.1
72.5°	1460.6	1450.8	1483.4	1688.8	2494.1	4880.5	10774.9	17367.0	20206.5	19704.5	19603.5
75°	1225.8	1219.3	1212.8	1238.9	1398.6	2210.4	5718.4	12493.0	17533.3	18495.0	18390.7
77.5°	1000.9	1000.9	1004.2	997.6	1004.2	1163.9	2370.2	6696.4	10677.1	11919.2	12209.4
80°	782.5	779.2	834.6	811.8	759.6	746.6	1049.7	2155.0	3543.8	3524.2	2908.1
82.5°	577.0	537.9	635.7	619.4	560.8	476.0	612.9	919.4	1183.5	769.4	570.5
85°	365.2	361.9	449.9	410.7	342.3	225.0	293.4	394.5	489.0	296.7	241.3
87.5°	65.2	62.0	143.5	104.3	104.3	65.2	81.5	107.6	159.8	110.8	81.5
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)