

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: P459341

Luminaire Tested: **GLAN-SA8A-735-U-T1**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P459341
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-5)
Test Lab: INNOVATION CENTER
Issue Date: 1/4/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA8A-735-U-T1
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 70 CRI, 3500K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 34340 lumens
Efficiency: N/A
Efficacy: 140.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type I - Short
BUG Rating: B5 - U0 - G5

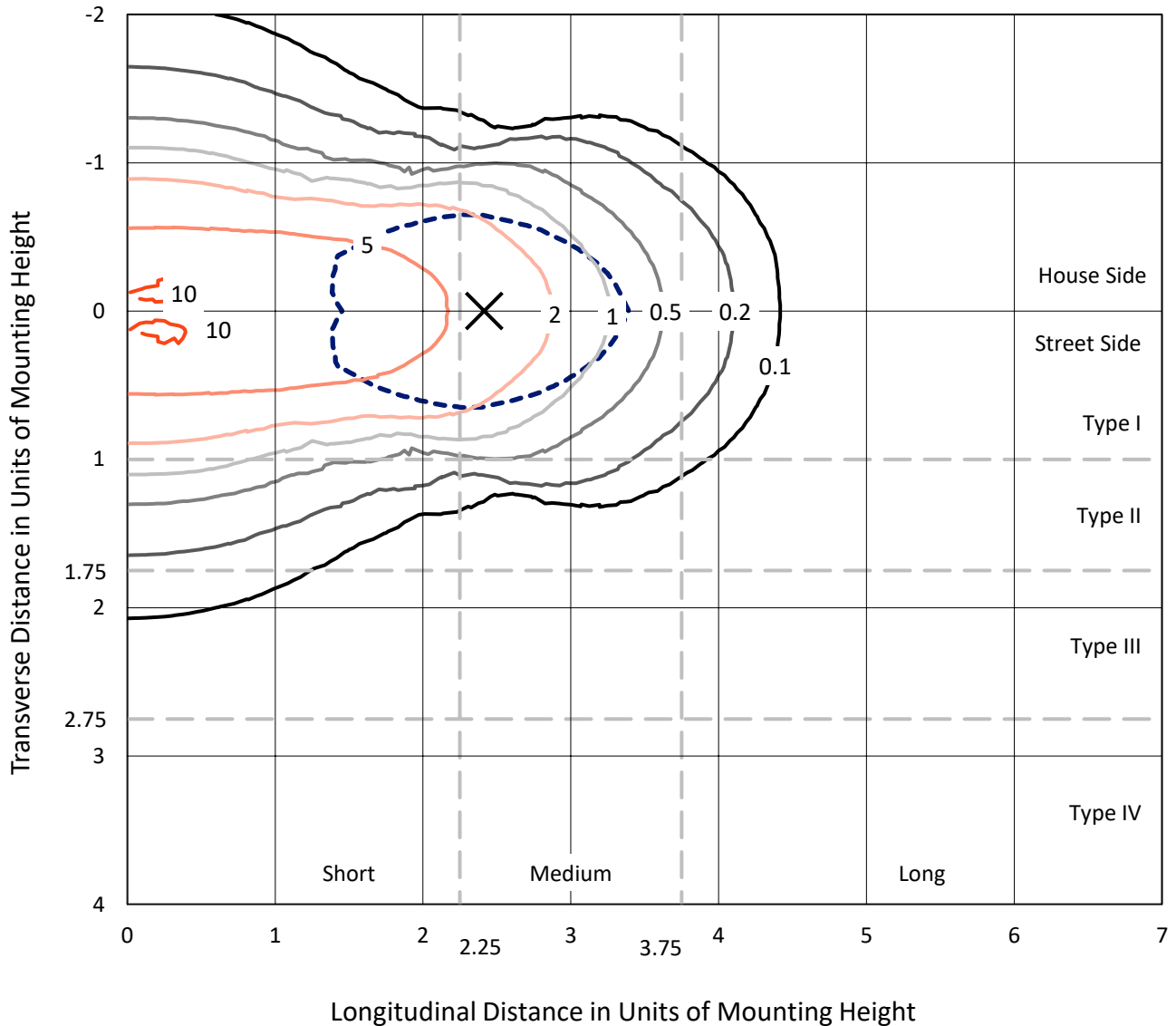
Input Watts (W): 244
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

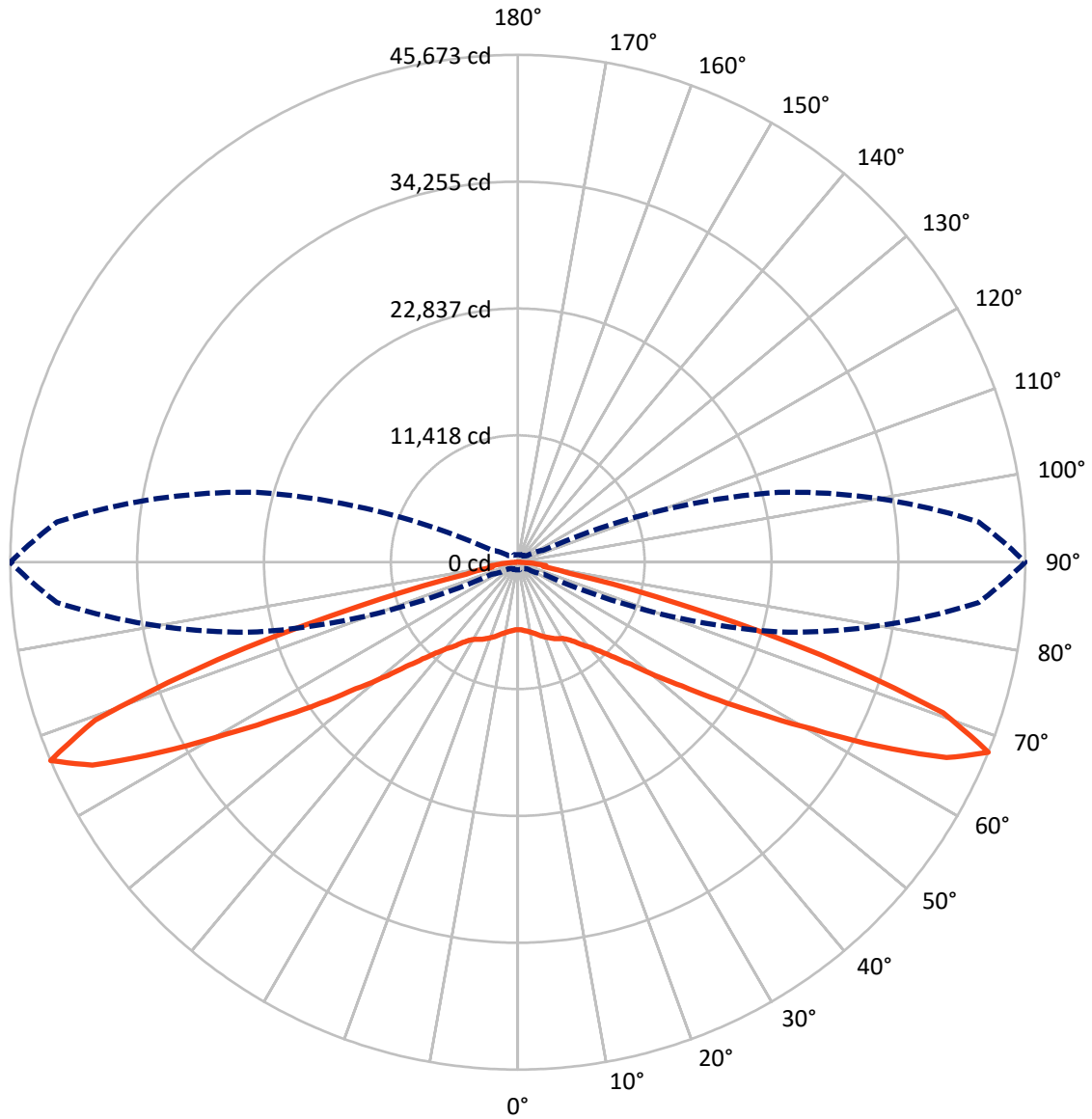
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.2 fc
 Type I - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 90-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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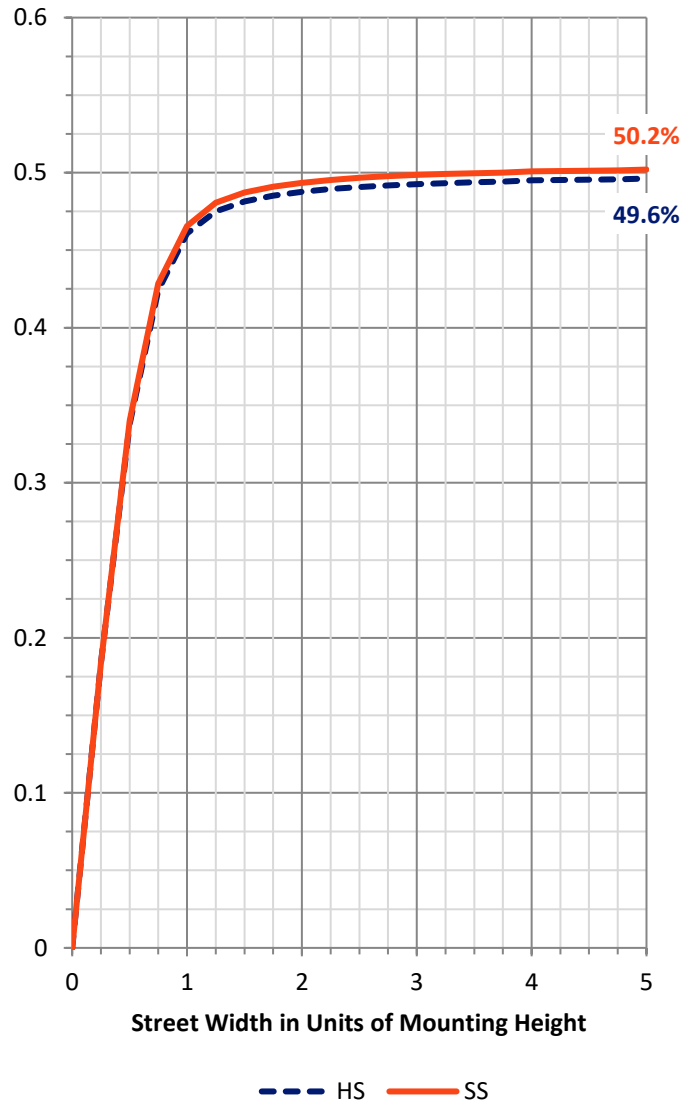
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	17170.0	0.0	17170.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	17170.0	0.0	17170.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	34340.0	0.0	34340.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	606.1	1.8
10°-20°	1939.2	5.6
20°-30°	3245.7	9.5
30°-40°	4397.1	12.8
40°-50°	5569.6	16.2
50°-60°	6957.9	20.3
60°-70°	8178.7	23.8
70°-80°	3128.7	9.1
80°-90°	317.0	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°	34340.0	100.0
0°-180°	34340.0	100.0



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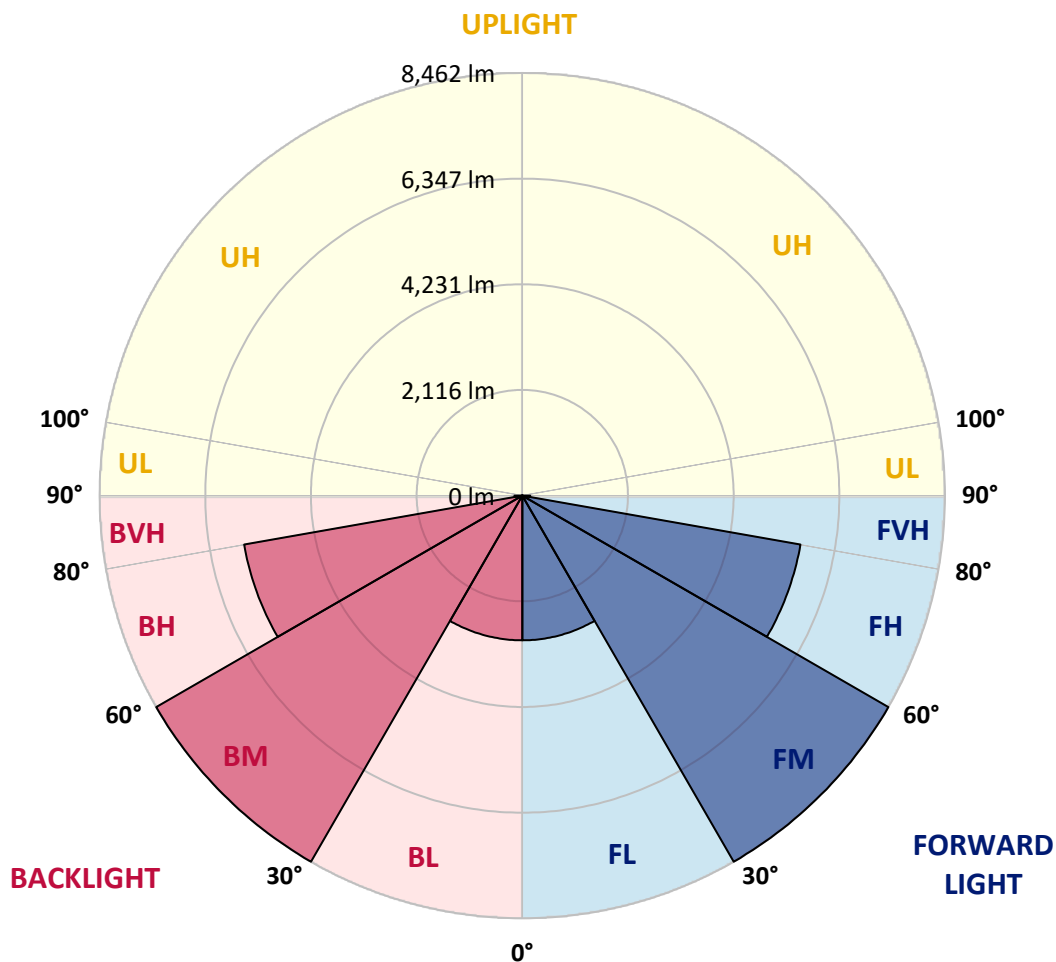
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2895.5	8.4			
FM (30°-60°)	8462.3	24.6			
FH (60°-80°)	5653.7	16.5			G3/7500
FVH (80°-90°)	158.5	0.5			G2/225
BL (0°-30°)	2895.5	8.4	B4/5000		
BM (30°-60°)	8462.3	24.6	B4/8500		
BH (60°-80°)	5653.7	16.5	B5		G5
BVH (80°-90°)	158.5	0.5			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G5

Type I Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	6079.2	6079.2	6079.2	6079.2	6079.2	6079.2	6079.2	6079.2	6079.2	6079.2	6079.2
2.5°	6157.2	6153.4	6155.3	6153.4	6159.1	6155.3	6132.5	6113.5	6098.3	6100.2	6094.5
5°	6288.4	6290.3	6292.2	6282.7	6296.0	6288.4	6252.3	6221.9	6191.4	6180.0	6176.2
7.5°	6396.8	6406.3	6412.0	6421.5	6444.3	6444.3	6425.3	6381.6	6315.0	6277.0	6275.1
10°	6505.2	6512.8	6529.9	6560.3	6598.4	6634.5	6626.9	6567.9	6482.4	6417.7	6402.5
12.5°	6543.2	6552.7	6609.8	6697.3	6782.8	6853.2	6853.2	6805.6	6695.4	6596.5	6567.9
15°	6410.1	6427.2	6529.9	6716.3	6940.7	7094.7	7128.9	7062.3	6944.5	6792.3	6758.1
17.5°	6145.8	6187.6	6337.9	6613.6	6986.3	7305.7	7404.6	7372.3	7220.2	7026.2	6986.3
20°	5862.5	5908.1	6067.8	6432.9	6948.3	7429.3	7716.5	7724.1	7535.8	7254.4	7195.5
22.5°	5550.6	5584.8	5790.2	6218.1	6834.2	7457.9	7984.6	8115.8	7861.0	7482.6	7398.9
25°	5200.7	5238.8	5453.6	5915.7	6619.3	7425.5	8229.9	8518.9	8201.4	7726.0	7619.5
27.5°	4866.1	4881.3	5111.4	5581.0	6336.0	7341.9	8410.5	8889.7	8577.9	7927.6	7792.5
30°	4544.7	4580.8	4784.3	5248.3	6010.8	7178.3	8566.5	9311.9	8982.9	8138.6	7965.6
32.5°	4204.3	4248.1	4468.6	4938.3	5685.6	6933.0	8661.6	9774.0	9547.7	8480.9	8296.5
35°	3877.3	3905.8	4128.3	4584.6	5368.1	6647.8	8678.7	10295.0	10276.0	9000.0	8754.7
37.5°	3542.6	3584.4	3808.8	4246.2	5031.5	6345.5	8593.1	10848.3	11154.5	9720.7	9456.4
40°	3221.2	3257.4	3477.9	3919.1	4649.3	5976.6	8389.6	11354.1	12179.4	10462.3	10087.7
42.5°	2871.3	2880.8	3122.3	3571.1	4274.7	5548.7	8096.8	11804.8	13322.2	11456.8	10990.9
45°	2473.9	2498.6	2723.0	3164.2	3844.9	5069.5	7699.4	12177.5	14771.2	12835.4	12200.3
47.5°	2076.5	2097.4	2302.8	2738.2	3375.2	4520.0	7087.1	12504.6	16258.2	14586.8	13753.9
50°	1688.6	1700.0	1867.3	2253.3	2846.6	3941.9	6328.4	12609.2	17939.2	17066.4	16003.4
52.5°	1334.9	1352.0	1479.4	1781.8	2281.9	3259.3	5508.8	12350.6	19901.6	20006.2	18507.8
55°	1082.0	1087.7	1182.8	1405.2	1783.7	2544.3	4520.0	11629.9	22012.3	23773.2	21862.1
57.5°	931.8	935.6	988.8	1112.4	1372.9	1918.7	3506.5	10266.5	23908.2	28186.6	25729.8
60°	846.2	848.1	878.5	950.8	1087.7	1471.8	2511.9	8342.1	25779.3	33098.3	30537.0
62.5°	792.9	792.9	813.9	853.8	920.3	1129.5	1819.8	6018.4	27060.9	38082.3	36462.2
65°	741.6	741.6	756.8	785.3	821.5	924.2	1344.4	3924.8	27028.6	41712.4	42421.6
67.5°	682.7	682.7	694.1	722.6	743.5	794.8	1038.2	2570.9	24279.0	41632.5	45673.3
70°	612.3	612.3	627.5	652.2	669.3	701.7	819.6	1758.9	17836.5	35547.5	40619.0
72.5°	541.9	543.8	553.4	578.1	591.4	610.4	680.8	1232.2	10941.5	24204.8	28401.5
75°	464.0	467.8	477.3	502.0	513.4	521.0	574.3	878.5	5535.4	13050.3	14858.7
77.5°	374.6	382.2	387.9	414.5	422.1	433.6	473.5	635.1	2430.2	4689.2	4731.1
80°	273.8	283.3	300.4	325.2	330.9	338.5	361.3	450.7	1101.0	2141.1	2325.6
82.5°	201.6	214.9	194.0	226.3	226.3	216.8	254.8	302.3	505.8	2120.2	2536.7
85°	110.3	112.2	100.8	116.0	123.6	121.7	135.0	148.3	245.3	1414.8	1458.5
87.5°	26.6	28.5	30.4	36.1	43.7	43.7	47.5	41.8	79.9	458.3	262.4
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)