

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: P458083

Luminaire Tested: **GLAN-SA9C-727-U-RW**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P458083
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-SA9C-727-U-RW
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(9) 70 CRI, 2700K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 54994 lumens
Efficiency: N/A
Efficacy: 114.3 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

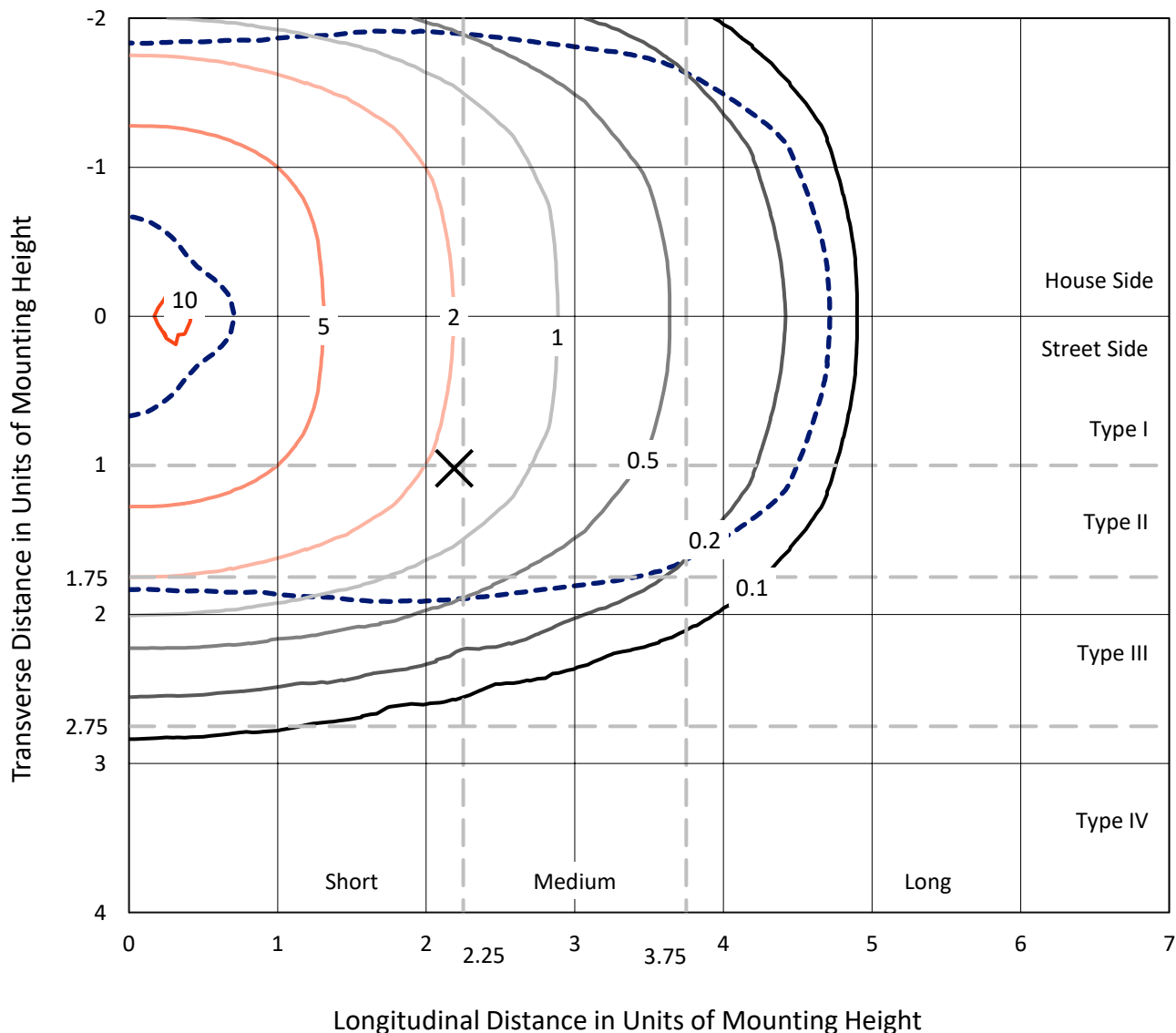
Input Watts (W): 481
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

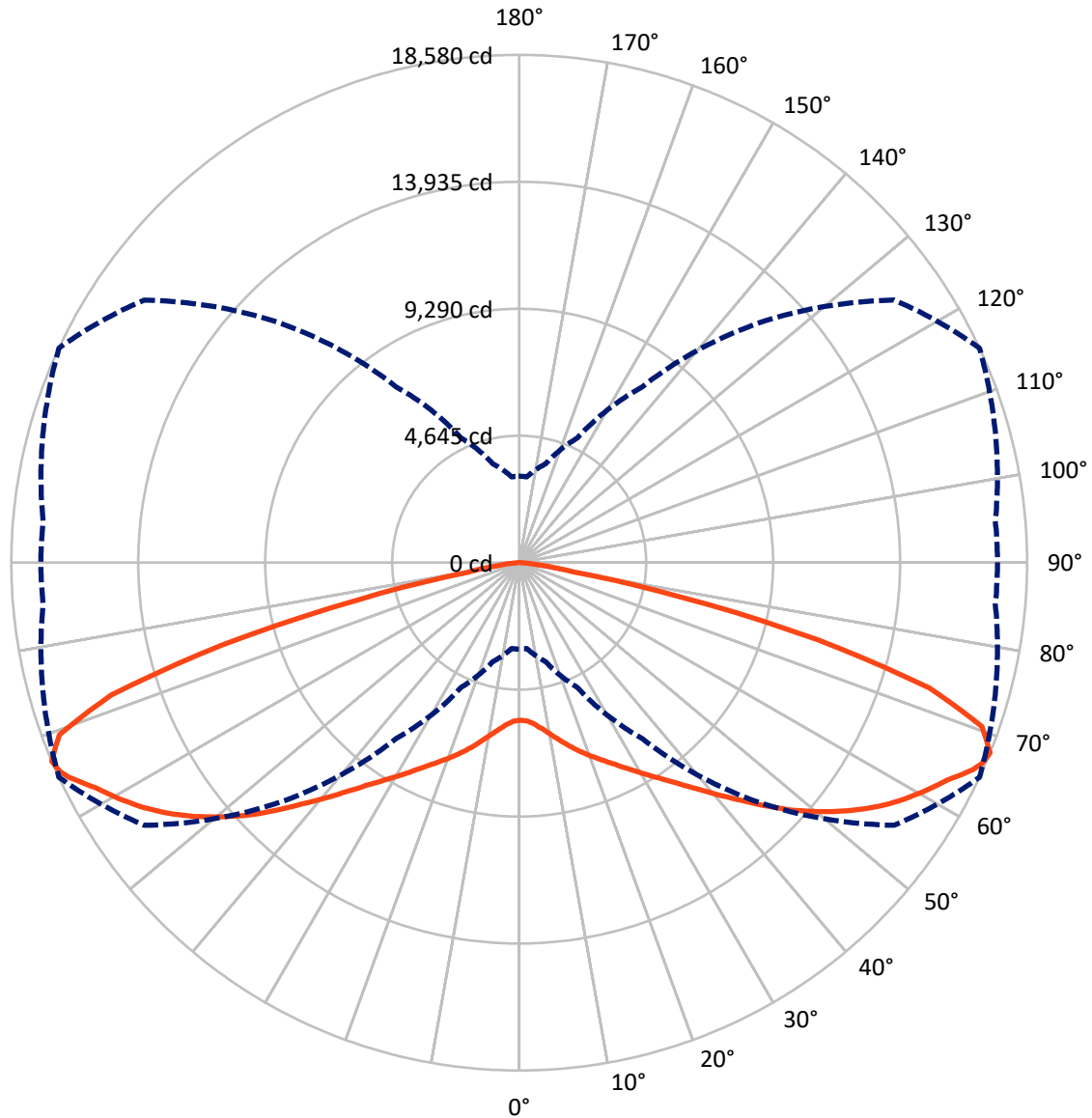
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.5 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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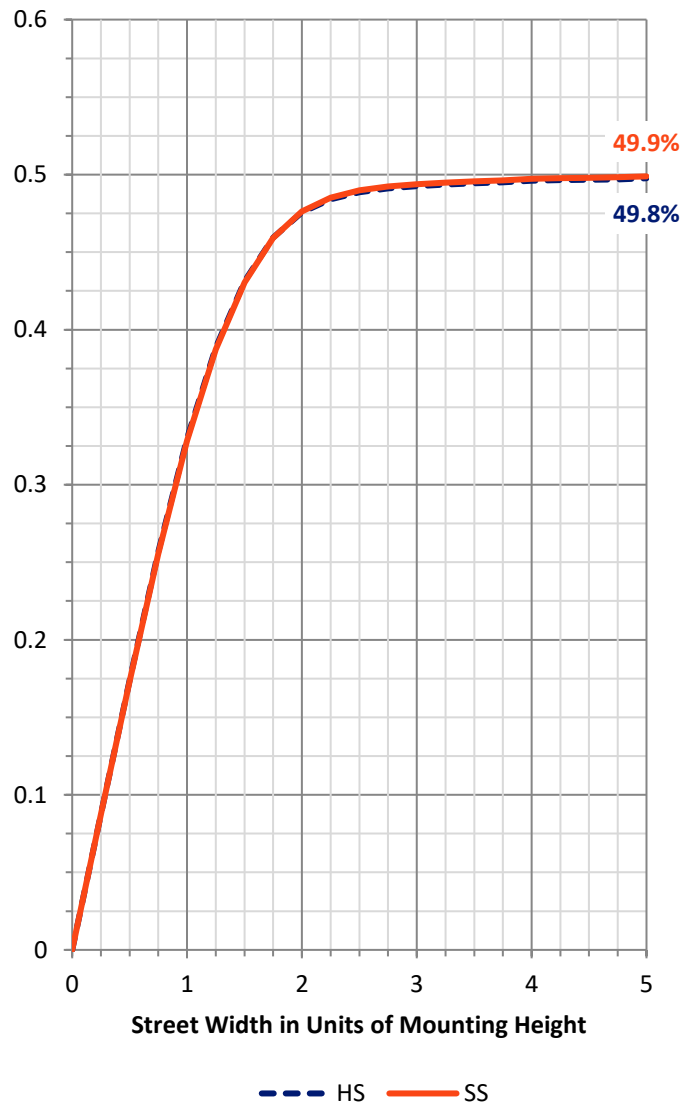
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	27497.0	0.0	27497.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	27497.0	0.0	27497.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	54994.0	0.0	54994.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	568.1	1.0
10°-20°	1901.4	3.5
20°-30°	3719.3	6.8
30°-40°	6326.0	11.5
40°-50°	10012.1	18.2
50°-60°	13275.9	24.1
60°-70°	12523.3	22.8
70°-80°	6190.9	11.3
80°-90°	477.1	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°	54994.0	100.0
0°-180°	54994.0	100.0



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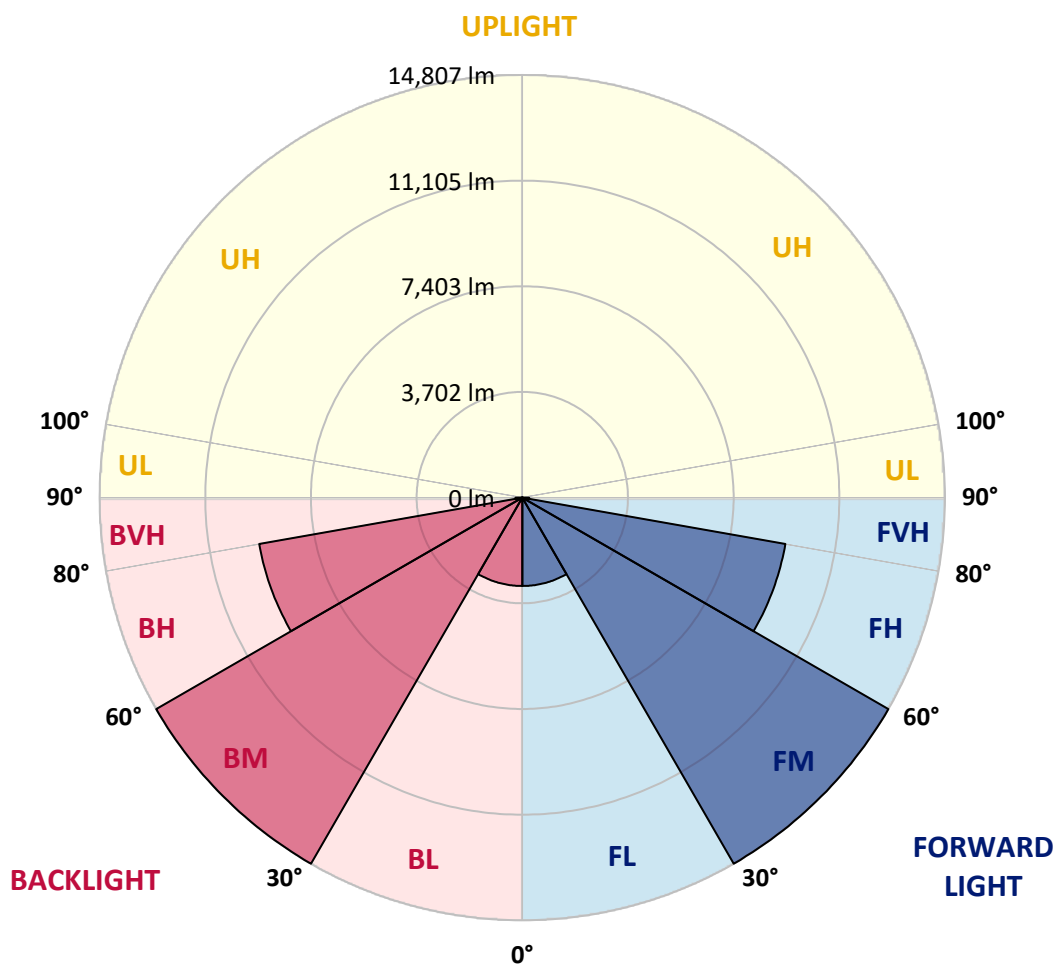
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3094.4	5.6			
FM	(30°-60°)	14807.0	26.9			
FH	(60°-80°)	9357.1	17.0			G4/12000
FVH	(80°-90°)	238.6	0.4			G3/500
BL	(0°-30°)	3094.4	5.6	B4/5000		
BM	(30°-60°)	14807.0	26.9	B5		
BH	(60°-80°)	9357.1	17.0	B5		G5
BVH	(80°-90°)	238.6	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°	5760.1	5760.1	5760.1	5760.1	5760.1	5760.1	5760.1	5760.1	5760.1	5760.1	5760.1
2.5°	5730.7	5736.6	5742.5	5751.3	5763.1	5780.8	5792.5	5801.4	5825.0	5827.9	5825.0
5°	5710.0	5715.9	5730.7	5757.2	5795.5	5848.5	5889.8	5939.9	5978.2	6004.7	5998.8
7.5°	5707.1	5718.9	5742.5	5798.4	5872.1	5963.4	6057.7	6143.2	6216.8	6275.7	6266.9
10°	5754.2	5769.0	5807.3	5889.8	6004.7	6137.3	6269.9	6396.6	6502.6	6579.2	6605.7
12.5°	5833.8	5845.6	5916.3	6040.0	6205.0	6370.0	6520.3	6676.5	6823.8	6953.4	6953.4
15°	5972.3	5992.9	6081.3	6261.0	6464.3	6655.8	6809.0	6974.0	7133.1	7280.5	7324.7
17.5°	6163.8	6193.3	6325.8	6555.7	6814.9	6991.7	7136.1	7271.6	7410.1	7551.5	7572.1
20°	6426.0	6455.5	6632.3	6909.2	7215.6	7427.8	7525.0	7557.4	7625.2	7760.7	7778.4
22.5°	6782.5	6812.0	7009.4	7321.7	7663.5	7893.3	7934.6	7857.9	7840.3	7946.3	7958.1
25°	7186.2	7212.7	7439.6	7775.4	8129.0	8379.5	8367.7	8179.1	8073.0	8137.8	8155.5
27.5°	7639.9	7678.2	7908.0	8255.7	8638.7	8859.7	8824.4	8550.3	8323.5	8311.7	8317.6
30°	8220.3	8261.6	8479.6	8812.6	9189.7	9393.0	9319.3	8951.0	8600.4	8482.6	8482.6
32.5°	8833.2	8936.3	9157.3	9505.0	9799.6	9946.9	9835.0	9393.0	8927.5	8762.5	8753.6
35°	9631.7	9687.6	9905.7	10244.5	10465.5	10580.4	10365.3	9890.9	9354.7	9160.2	9133.7
37.5°	10412.4	10459.6	10713.0	11037.1	11305.2	11299.3	11007.6	10483.2	9885.0	9667.0	9649.3
40°	11210.9	11261.0	11549.7	11847.3	12115.4	12091.9	11738.3	11152.0	10515.6	10271.0	10318.2
42.5°	11903.3	11959.3	12286.3	12710.6	12952.2	12946.3	12536.8	11876.8	11213.9	10995.8	11037.1
45°	12533.8	12583.9	12964.0	13450.1	13803.7	13847.9	13400.1	12701.8	12021.2	11741.2	11753.0
47.5°	12978.7	13073.0	13470.8	14027.6	14507.9	14664.0	14225.0	13541.5	12757.7	12466.1	12483.7
50°	13317.6	13376.5	13809.6	14443.1	15050.0	15374.1	15020.5	14319.3	13494.3	13185.0	13226.2
52.5°	13358.8	13429.5	13900.9	14631.6	15409.5	15901.5	15727.7	15079.5	14245.7	13927.4	14015.8
55°	13022.9	13064.2	13626.9	14513.8	15550.9	16293.4	16337.6	15786.6	14961.6	14720.0	14778.9
57.5°	12065.3	12171.4	12884.4	13962.8	15356.4	16502.6	16794.3	16428.9	15686.4	15447.8	15542.1
60°	10494.9	10601.0	11317.0	12684.1	14622.8	16405.3	17171.4	16997.6	16343.5	16152.0	16202.0
62.5°	8223.3	8214.5	9101.3	10777.8	13164.3	15928.0	17451.3	17545.6	16991.7	16750.1	16826.7
65°	5330.0	5356.5	6213.9	8020.0	10963.4	14714.1	17513.2	18243.9	17628.1	17262.7	17318.7
66°	4287.0	4366.5	5094.3	6759.0	9840.8	13918.6	17327.6	18450.1	17822.5	17380.6	17407.1
67.5°	3164.4	3149.7	3747.8	5032.4	7857.9	12407.1	16747.1	18579.8	18043.5	17486.7	17498.4
70°	1806.1	1803.2	2015.3	2763.7	4619.9	8736.0	14116.0	17958.1	18491.4	17869.7	17837.3
72.5°	1320.0	1311.1	1340.6	1526.2	2254.0	4410.7	9737.7	15695.3	18261.5	17807.8	17716.5
75°	1107.8	1101.9	1096.0	1119.6	1264.0	1997.6	5167.9	11290.5	15845.5	16714.7	16620.4
77.5°	904.5	904.5	907.5	901.6	907.5	1051.9	2142.0	6051.8	9649.3	10771.9	11034.1
80°	707.1	704.2	754.3	733.6	686.5	674.7	948.7	1947.5	3202.7	3185.0	2628.2
82.5°	521.5	486.1	574.5	559.8	506.8	430.2	553.9	830.9	1069.5	695.3	515.6
85°	330.0	327.0	406.6	371.2	309.4	203.3	265.2	356.5	442.0	268.1	218.0
87.5°	58.9	56.0	129.6	94.3	94.3	58.9	73.7	97.2	144.4	100.2	73.7
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)