

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: P453454

Luminaire Tested: **GLAN-SA4C-727-U-T1**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P453454
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-SA4C-727-U-T1
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(4) 70 CRI, 2700K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 23218 lumens
Efficiency: N/A
Efficacy: 109.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B4 - U0 - G4

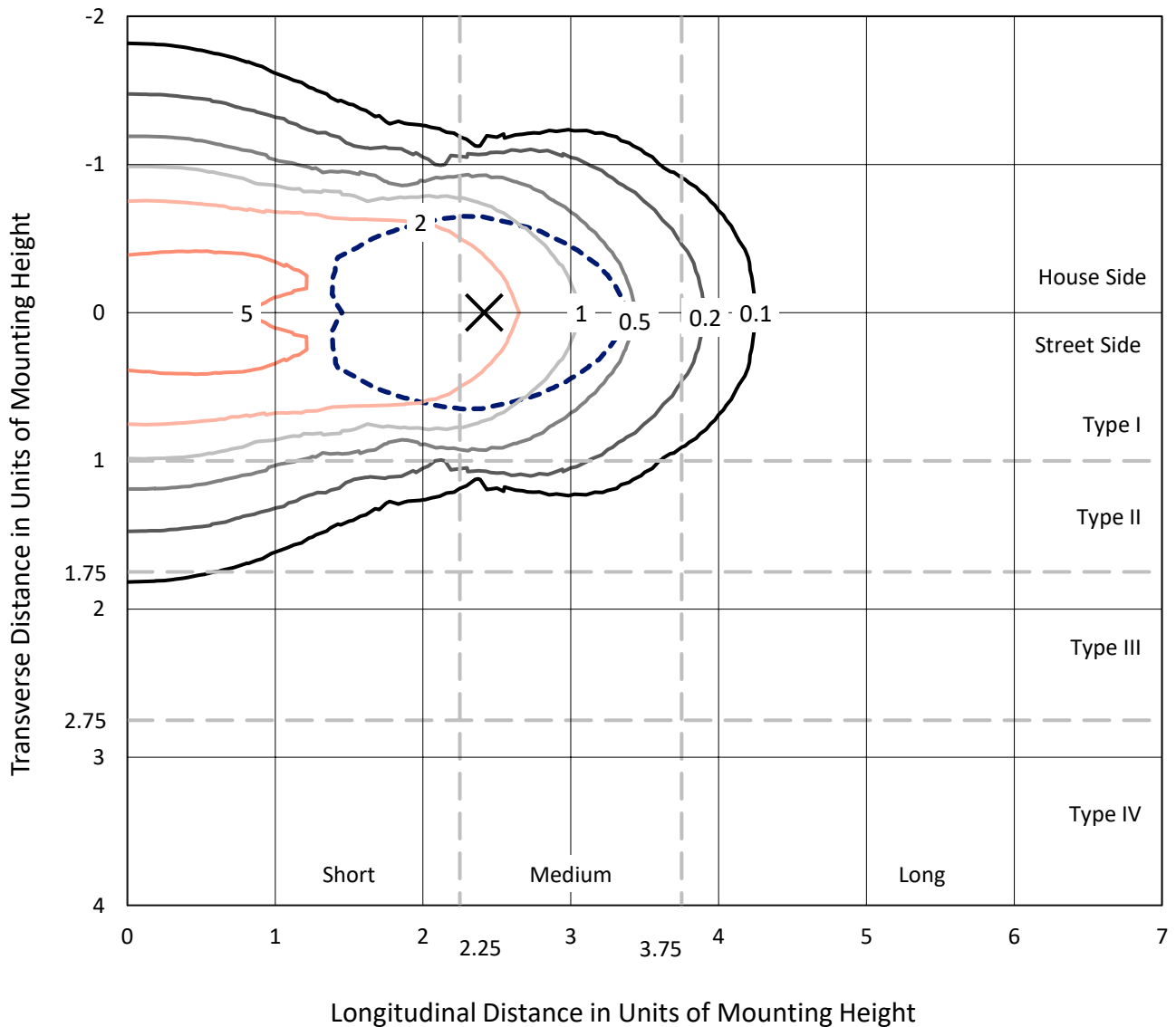
Input Watts (W): 213
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P453454
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Iso-Footcandle Lines of Horizontal Illumination

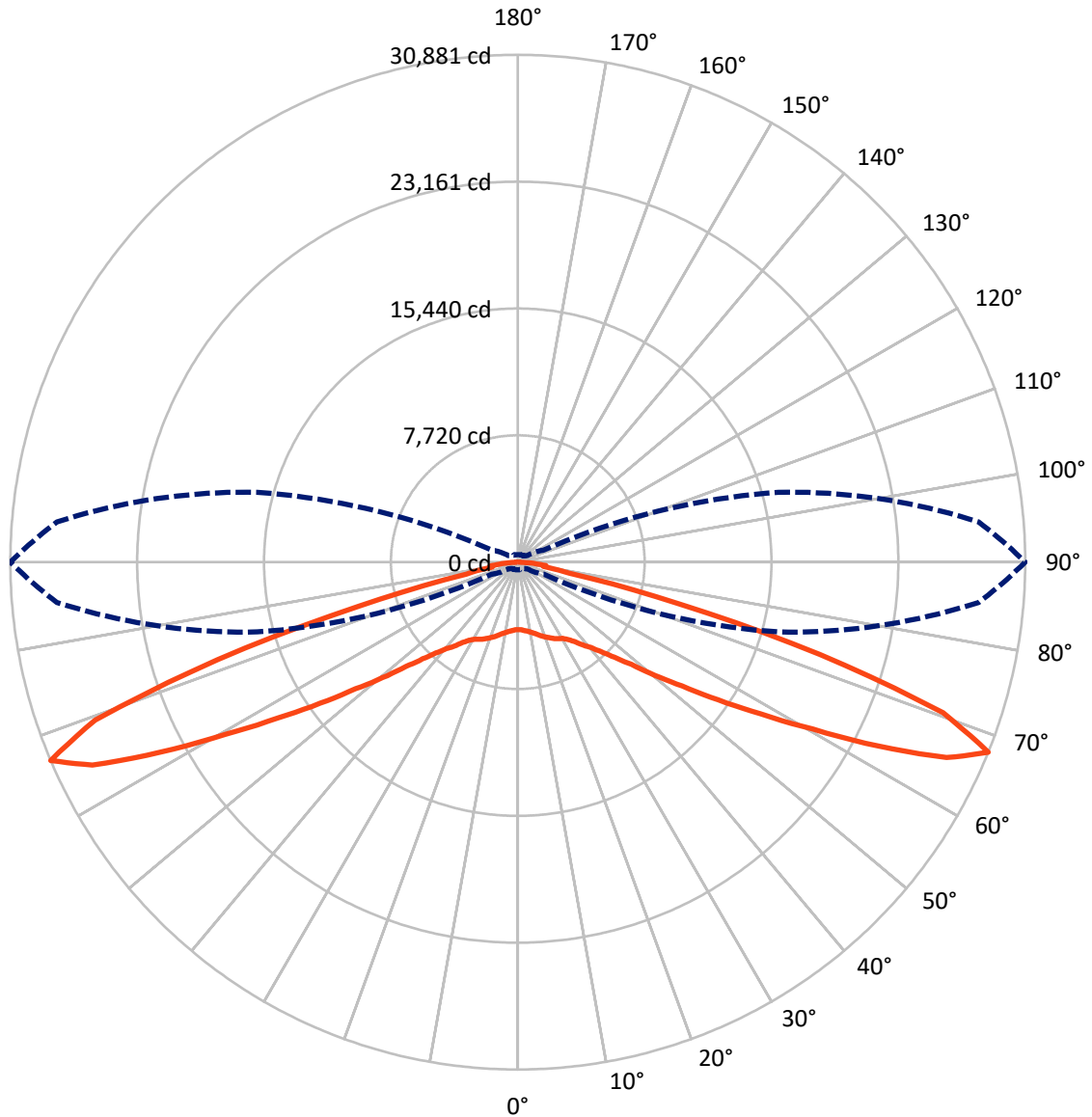
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.9 fc
 Type I - Short - N/A

REPORT NUMBER: P453454
CATALOG NUMBER: GLAN-SA4C-727-U-T1

Luminous Intensity Polar Plot



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

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CATALOG NUMBER: GLAN-SA4C-727-U-T1

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	11609.0	0.0	11609.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	11609.0	0.0	11609.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	23218.0	0.0	23218.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	409.8	1.8
10°-20°	1311.1	5.6
20°-30°	2194.5	9.5
30°-40°	2973.0	12.8
40°-50°	3765.8	16.2
50°-60°	4704.4	20.3
60°-70°	5529.8	23.8
70°-80°	2115.4	9.1
80°-90°	214.3	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°	23218.0	100.0
0°-180°	23218.0	100.0



REPORT NUMBER: P453454

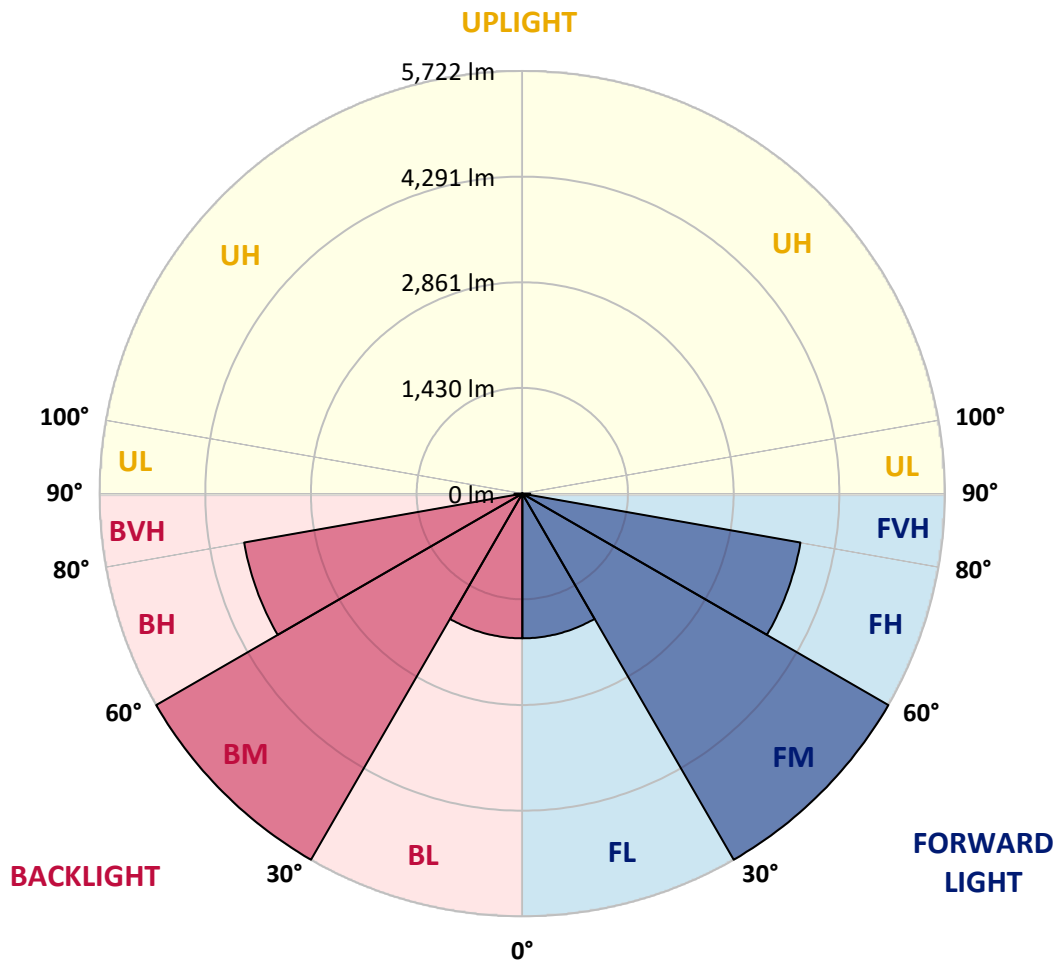
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1957.7	8.4			
FM (30°-60°)	5721.6	24.6			
FH (60°-80°)	3822.6	16.5			G2/5000
FVH (80°-90°)	107.2	0.5			G2/225
BL (0°-30°)	1957.7	8.4	B3/2500		
BM (30°-60°)	5721.6	24.6	B4/8500		
BH (60°-80°)	3822.6	16.5	B4/5000		G4/5000
BVH (80°-90°)	107.2	0.5			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G4

Type I Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4110.3	4110.3	4110.3	4110.3	4110.3	4110.3	4110.3	4110.3	4110.3	4110.3	4110.3
2.5°	4163.0	4160.5	4161.7	4160.5	4164.3	4161.7	4146.3	4133.5	4123.2	4124.5	4120.6
5°	4251.7	4253.0	4254.3	4247.9	4256.9	4251.7	4227.3	4206.7	4186.2	4178.4	4175.9
7.5°	4325.0	4331.4	4335.3	4341.7	4357.2	4357.2	4344.3	4314.7	4269.7	4244.0	4242.7
10°	4398.3	4403.4	4415.0	4435.6	4461.3	4485.7	4480.6	4440.7	4382.9	4339.2	4328.9
12.5°	4424.0	4430.4	4469.0	4528.2	4586.0	4633.6	4633.6	4601.4	4526.9	4460.0	4440.7
15°	4334.0	4345.6	4415.0	4541.0	4692.7	4796.9	4820.0	4775.0	4695.3	4592.4	4569.3
17.5°	4155.3	4183.6	4285.2	4471.6	4723.6	4939.6	5006.4	4984.6	4881.7	4750.6	4723.6
20°	3963.7	3994.6	4102.6	4349.4	4697.9	5023.1	5217.3	5222.4	5095.1	4904.9	4865.0
22.5°	3752.9	3776.0	3914.9	4204.2	4620.7	5042.4	5398.6	5487.3	5315.0	5059.1	5002.6
25°	3516.3	3542.0	3687.3	3999.7	4475.4	5020.6	5564.4	5759.8	5545.1	5223.7	5151.7
27.5°	3290.0	3300.3	3455.9	3773.5	4283.9	4964.0	5686.5	6010.5	5799.7	5360.0	5268.7
30°	3072.8	3097.2	3234.8	3548.5	4064.0	4853.4	5792.0	6296.0	6073.5	5502.7	5385.7
32.5°	2842.6	2872.2	3021.3	3338.9	3844.2	4687.6	5856.3	6608.4	6455.4	5734.1	5609.4
35°	2621.5	2640.8	2791.2	3099.8	3629.5	4494.7	5867.8	6960.7	6947.8	6085.1	5919.3
37.5°	2395.2	2423.5	2575.2	2870.9	3401.9	4290.3	5810.0	7334.8	7541.8	6572.4	6393.7
40°	2177.9	2202.4	2351.5	2649.8	3143.5	4040.9	5672.4	7676.8	8234.8	7073.8	6820.5
42.5°	1941.4	1947.8	2111.1	2414.5	2890.2	3751.6	5474.4	7981.5	9007.5	7746.2	7431.2
45°	1672.7	1689.4	1841.1	2139.4	2599.6	3427.6	5205.7	8233.5	9987.1	8678.3	8248.9
47.5°	1404.0	1418.1	1557.0	1851.4	2282.1	3056.1	4791.7	8454.6	10992.5	9862.4	9299.3
50°	1141.7	1149.4	1262.5	1523.5	1924.7	2665.2	4278.7	8525.3	12129.1	11538.9	10820.3
52.5°	902.5	914.1	1000.3	1204.7	1542.8	2203.7	3724.6	8350.5	13455.9	13526.6	12513.5
55°	731.6	735.4	799.7	950.1	1206.0	1720.2	3056.1	7863.2	14883.0	16073.5	14781.4
57.5°	630.0	632.6	668.6	752.1	928.3	1297.2	2370.8	6941.4	16164.8	19057.6	17396.5
60°	572.1	573.4	594.0	642.8	735.4	995.1	1698.4	5640.3	17429.9	22378.5	20646.7
62.5°	536.1	536.1	550.3	577.3	622.3	763.7	1230.4	4069.2	18296.5	25748.3	24652.9
65°	501.4	501.4	511.7	531.0	555.4	624.8	909.0	2653.6	18274.6	28202.6	28682.2
67.5°	461.6	461.6	469.3	488.6	502.7	537.4	702.0	1738.2	16415.5	28148.6	30880.7
70°	414.0	414.0	424.3	441.0	452.6	474.4	554.1	1189.3	12059.6	24034.4	27463.3
72.5°	366.4	367.7	374.1	390.8	399.8	412.7	460.3	833.1	7397.8	16365.4	19202.9
75°	313.7	316.3	322.7	339.4	347.1	352.3	388.3	594.0	3742.6	8823.6	10046.3
77.5°	253.3	258.4	262.3	280.3	285.4	293.1	320.1	429.4	1643.1	3170.5	3198.8
80°	185.1	191.6	203.1	219.9	223.7	228.9	244.3	304.7	744.4	1447.7	1572.4
82.5°	136.3	145.3	131.1	153.0	153.0	146.6	172.3	204.4	342.0	1433.5	1715.1
85°	74.6	75.9	68.1	78.4	83.6	82.3	91.3	100.3	165.9	956.5	986.1
87.5°	18.0	19.3	20.6	24.4	29.6	29.6	32.1	28.3	54.0	309.8	177.4
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)