

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: P458920

Luminaire Tested: **GLAN-SA4C-735-U-5NQ**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P458920
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-3)
Test Lab: INNOVATION CENTER
Issue Date: 1/4/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA4C-735-U-5NQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(4) 70 CRI, 3500K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V
NARROW OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 27038 lumens
Efficiency: N/A
Efficacy: 126.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

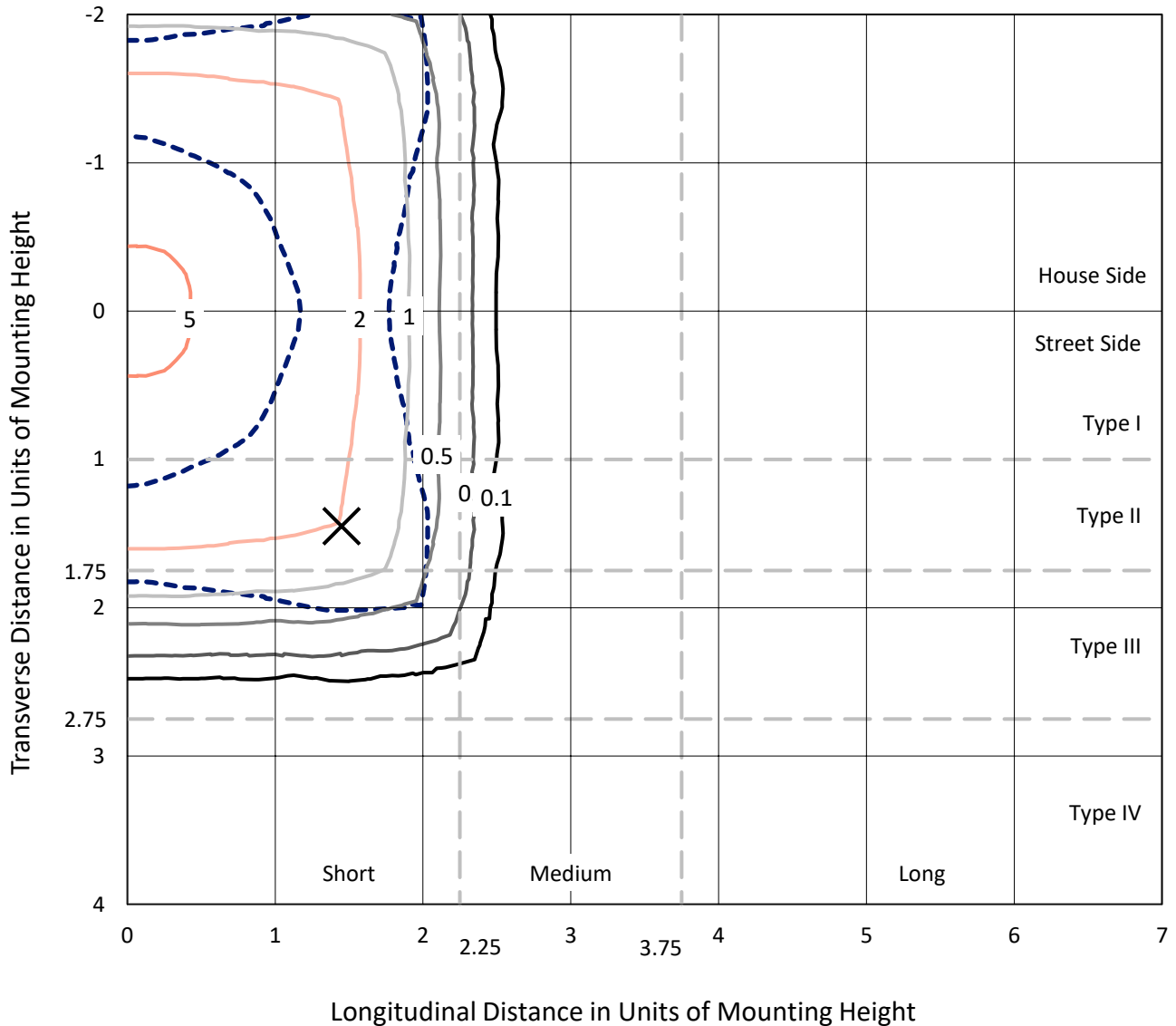
Input Watts (W): 213
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

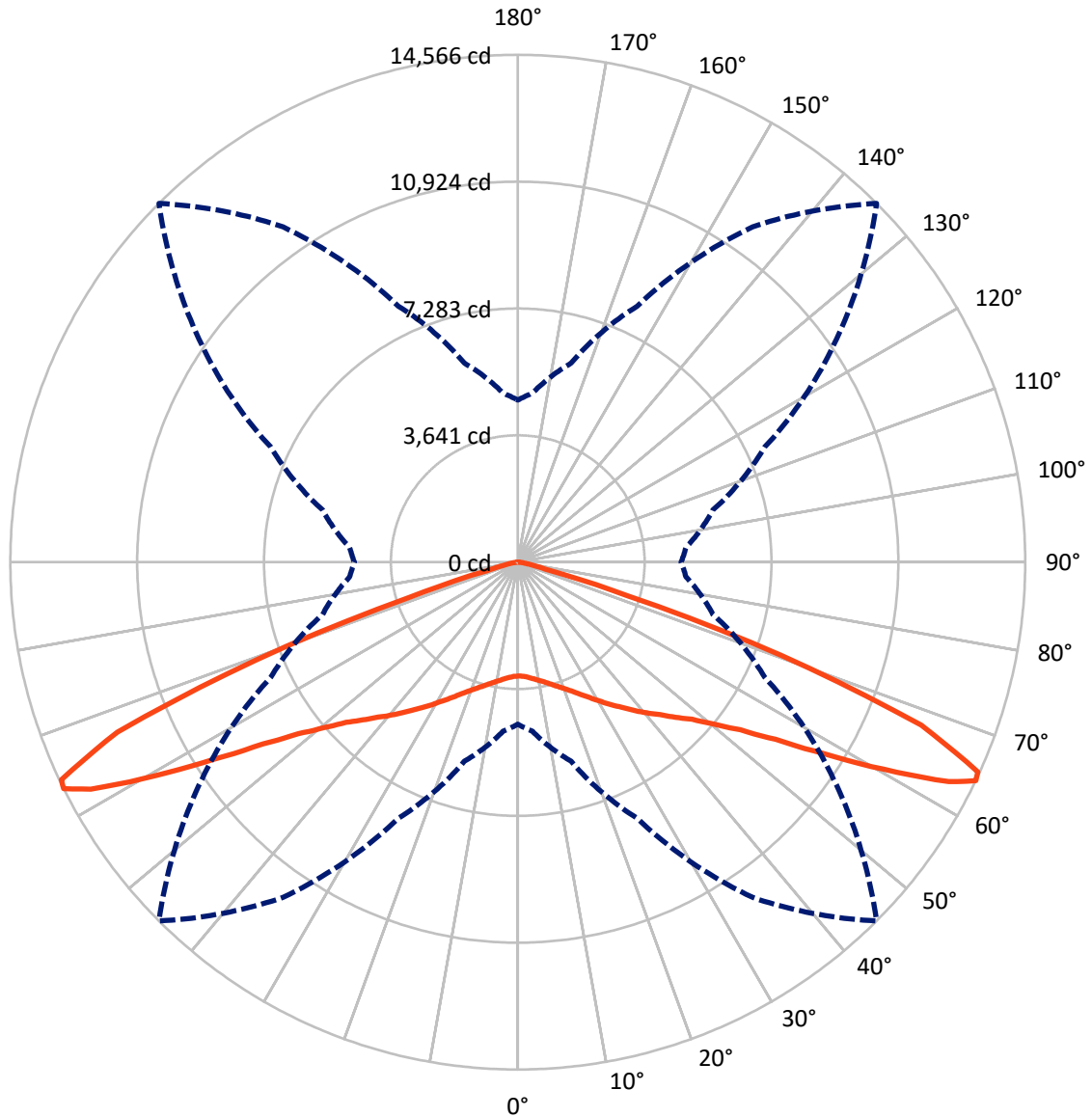
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.3 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 64-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	13519.0	0.0	13519.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	13519.0	0.0	13519.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	27038.0	0.0	27038.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	321.1	1.2
10°-20°	1035.6	3.8
20°-30°	1957.0	7.2
30°-40°	3241.0	12.0
40°-50°	5059.8	18.7
50°-60°	7822.3	28.9
60°-70°	6745.1	24.9
70°-80°	764.4	2.8
80°-90°	91.6	0.3
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°	27038.0	100.0
0°-180°	27038.0	100.0



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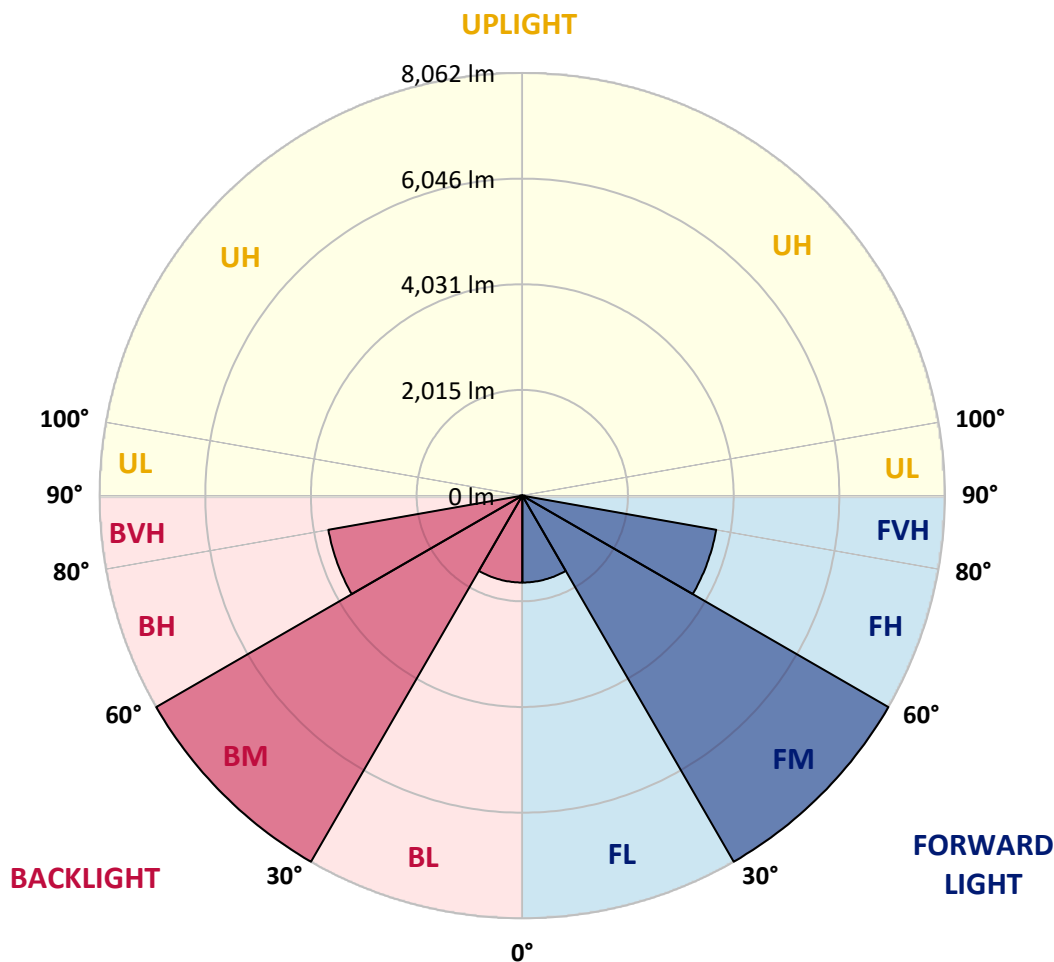
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1656.9	6.1			
FM	(30°-60°)	8061.6	29.8			
FH	(60°-80°)	3754.8	13.9			G2/5000
FVH	(80°-90°)	45.8	0.2			G1/100
BL	(0°-30°)	1656.9	6.1	B3/2500		
BM	(30°-60°)	8061.6	29.8	B4/8500		
BH	(60°-80°)	3754.8	13.9	B4/5000		G2/5000
BVH	(80°-90°)	45.8	0.2			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°	3268.0	3268.0	3268.0	3268.0	3268.0	3268.0	3268.0	3268.0	3268.0	3268.0	3268.0
2.5°	3280.9	3288.0	3282.3	3280.9	3279.5	3279.5	3279.5	3280.9	3286.6	3290.9	3288.0
5°	3322.4	3328.1	3325.3	3323.8	3322.4	3323.8	3321.0	3319.6	3323.8	3323.8	3322.4
7.5°	3374.0	3381.1	3378.3	3381.1	3382.6	3384.0	3376.8	3371.1	3369.7	3374.0	3371.1
10°	3444.1	3449.9	3451.3	3452.7	3455.6	3454.2	3445.6	3435.5	3434.1	3432.7	3431.3
12.5°	3522.9	3527.2	3528.6	3534.4	3538.7	3540.1	3530.1	3521.5	3507.2	3510.0	3504.3
15°	3611.7	3620.3	3618.9	3627.4	3638.9	3641.8	3631.7	3617.4	3604.5	3597.4	3593.1
17.5°	3720.5	3726.3	3723.4	3732.0	3746.3	3753.5	3744.9	3726.3	3713.4	3697.6	3689.0
20°	3849.4	3859.4	3862.3	3862.3	3875.2	3882.4	3869.5	3863.7	3843.7	3832.2	3825.1
22.5°	3995.5	3999.8	4008.4	4017.0	4029.9	4027.0	4022.7	4014.1	3995.5	3985.5	3974.0
25°	4160.2	4164.5	4186.0	4204.6	4208.9	4206.0	4200.3	4196.0	4178.8	4155.9	4147.3
27.5°	4352.1	4360.7	4389.3	4406.5	4406.5	4407.9	4396.5	4410.8	4373.6	4346.4	4343.5
30°	4592.7	4598.4	4622.7	4639.9	4631.3	4624.2	4621.3	4635.6	4595.5	4546.8	4535.4
32.5°	4830.4	4850.4	4871.9	4909.2	4879.1	4866.2	4863.3	4873.4	4827.5	4773.1	4757.4
35°	5085.3	5099.6	5139.7	5171.2	5144.0	5113.9	5126.8	5158.3	5103.9	5030.9	5028.0
37.5°	5367.4	5380.3	5431.9	5464.8	5444.8	5393.2	5414.7	5451.9	5397.5	5307.3	5288.7
40°	5661.0	5688.2	5752.6	5787.0	5754.1	5685.3	5725.4	5765.5	5716.8	5612.3	5570.8
42.5°	5990.4	6033.3	6126.4	6143.6	6080.6	5987.5	6057.7	6122.1	6087.8	5967.5	5951.7
45°	6375.6	6401.4	6515.9	6553.2	6465.8	6349.8	6437.2	6554.6	6528.8	6389.9	6359.8
47.5°	6806.7	6831.0	6949.9	7005.7	6895.4	6739.3	6896.9	7050.1	7034.4	6885.4	6871.1
50°	7316.5	7322.2	7486.9	7549.9	7439.6	7305.0	7445.4	7635.8	7572.8	7382.4	7379.5
52.5°	7875.0	7882.1	8089.8	8211.5	8149.9	7998.1	8164.3	8280.3	8119.9	7870.7	7852.1
55°	8359.0	8394.8	8678.4	9002.0	9086.5	8976.3	9026.4	8972.0	8576.7	8227.3	8172.9
57.5°	8556.7	8626.8	9057.9	9662.2	10212.1	10375.4	9988.7	9470.3	8758.6	8264.5	8211.5
60°	8074.0	8149.9	8818.7	9965.8	11369.2	12078.1	10991.2	9554.8	8344.7	7650.1	7567.1
62.5°	6465.8	6487.3	7471.1	9251.2	12043.8	13879.7	11413.6	8834.5	7140.3	6196.6	6163.7
64°	4652.8	4873.4	5915.9	8111.3	11748.7	14565.6	11170.2	7824.9	5799.9	4844.7	4690.0
65°	3479.9	3540.1	4768.8	6927.0	11228.9	14514.1	10697.6	6859.6	4803.2	3707.6	3535.8
67.5°	1314.6	1321.8	1760.0	3452.7	7993.8	12487.7	8164.3	3732.0	2023.5	1463.6	1410.6
70°	545.6	555.6	645.9	1161.4	3435.5	8018.2	3936.8	1346.2	740.4	600.0	591.4
72.5°	399.5	405.3	432.5	515.5	1056.9	3292.3	1294.6	571.4	433.9	388.1	383.8
75°	313.6	316.5	336.5	379.5	492.6	912.2	538.5	392.4	330.8	297.9	295.0
77.5°	239.2	246.3	260.6	289.3	330.8	432.5	356.6	293.6	254.9	227.7	223.4
80°	164.7	173.3	200.5	211.9	222.0	280.7	243.5	222.0	199.1	166.1	156.1
82.5°	101.7	107.4	134.6	144.6	140.3	157.5	156.1	159.0	141.8	103.1	95.9
85°	53.0	55.9	73.0	75.9	70.2	64.4	80.2	93.1	87.4	58.7	57.3
87.5°	11.5	12.9	15.8	14.3	15.8	15.8	20.0	30.1	31.5	20.0	18.6
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)