

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: P532125

Luminaire Tested: **GLAN-SA7C-727-U-5WQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P532125
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-1)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA7C-727-U-5WQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 70 CRI, 2700K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21361 lumens
Efficiency: N/A
Efficacy: 56.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

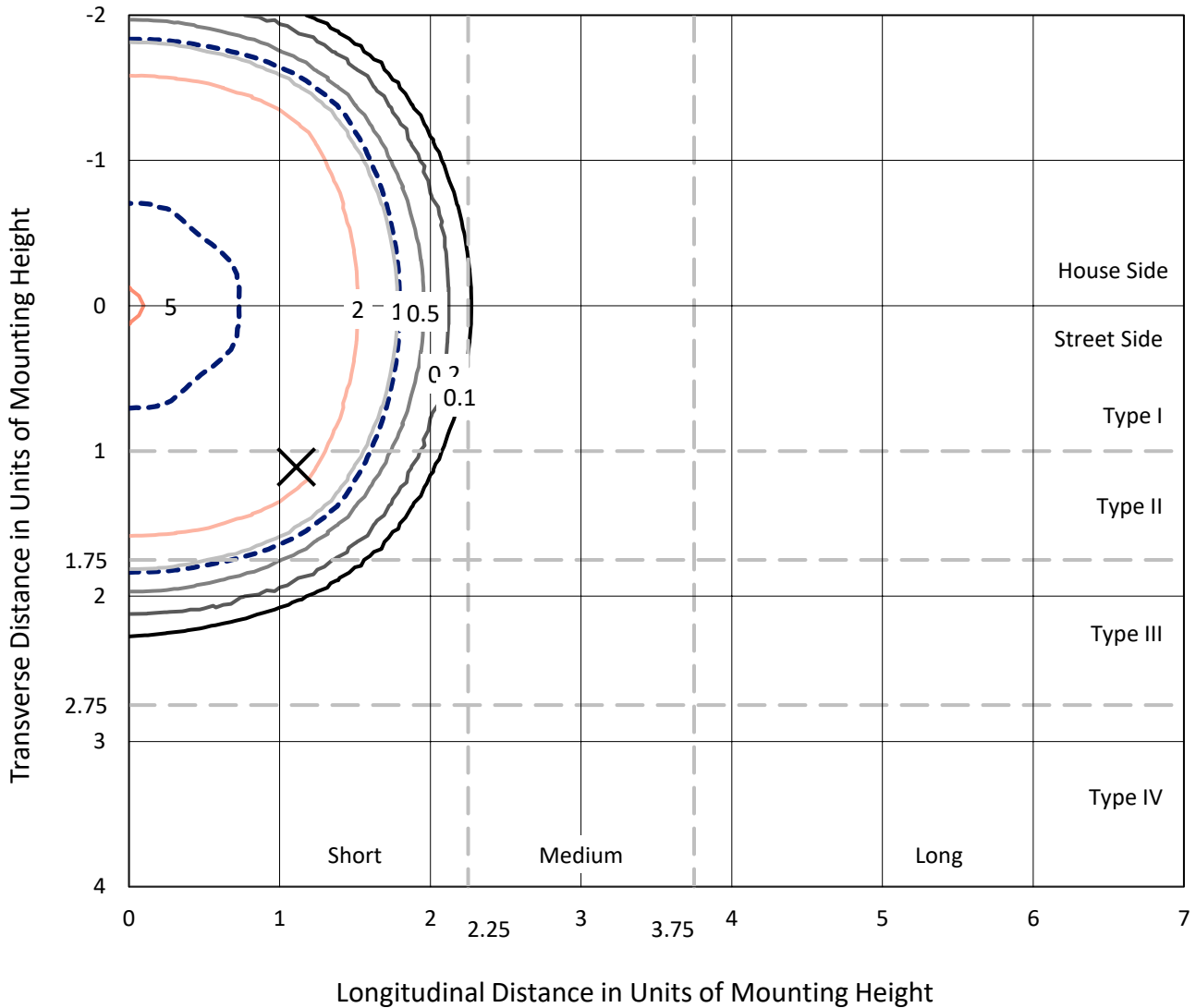
Input Watts (W): 377
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

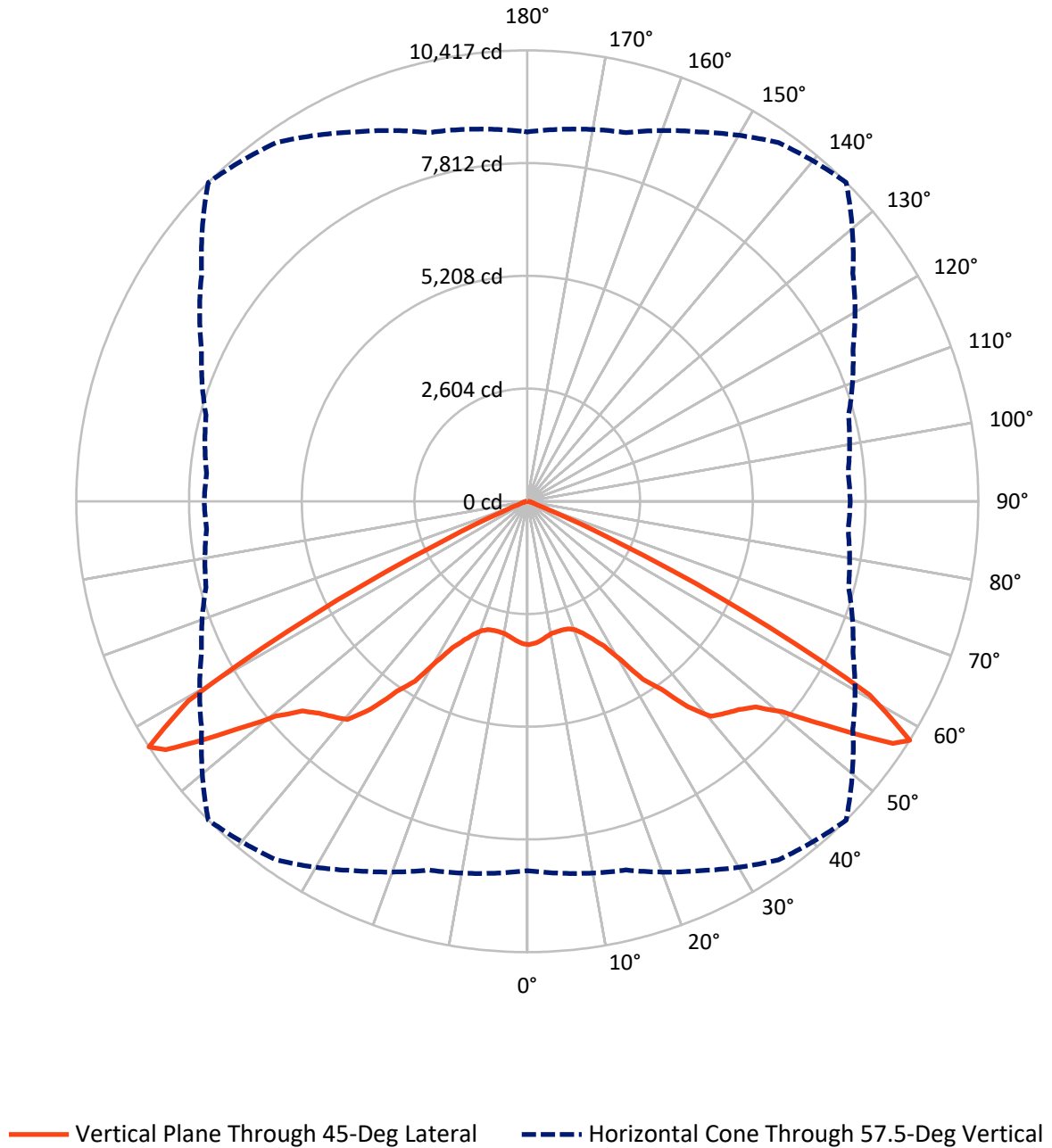
✕ Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



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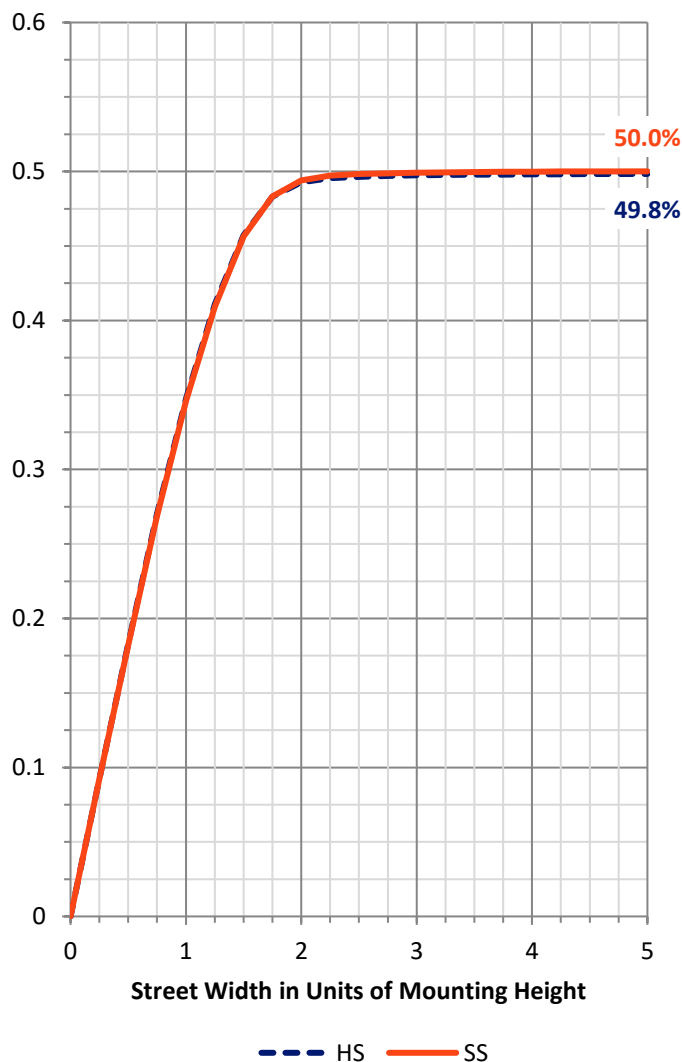
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10680.5	0.0	10680.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	10680.5	0.0	10680.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	21361.0	0.0	21361.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	304.5	1.4
10°-20°	880.1	4.1
20°-30°	1624.5	7.6
30°-40°	3194.8	15.0
40°-50°	5203.4	24.4
50°-60°	7420.8	34.7
60°-70°	2569.2	12.0
70°-80°	137.8	0.6
80°-90°	25.9	0.1
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°	21361.0	100.0
0°-180°	21361.0	100.0

Coefficient of Utilization

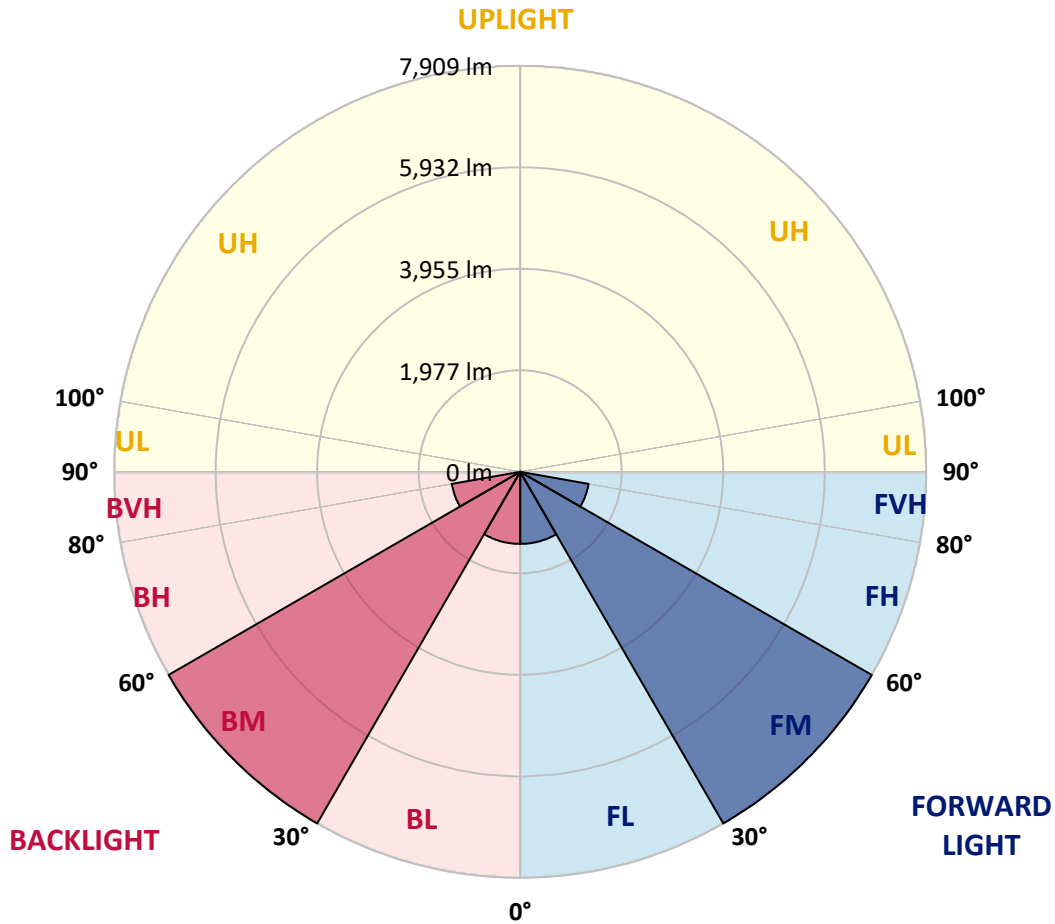


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1404.5	6.6			
FM (30°-60°)	7909.5	37.0			
FH (60°-80°)	1353.5	6.3			G1/1800
FVH (80°-90°)	12.9	0.1			G1/100
BL (0°-30°)	1404.5	6.6	B3/2500		
BM (30°-60°)	7909.5	37.0	B4/8500		
BH (60°-80°)	1353.5	6.3	B3/2500		G1/1800
BVH (80°-90°)	12.9	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G1
 Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3313.3	3313.3	3313.3	3313.3	3313.3	3313.3	3313.3	3313.3	3313.3	3313.3	3313.3
2.5°	3304.4	3322.2	3300.0	3291.0	3286.6	3286.6	3273.2	3273.2	3268.8	3273.2	3255.4
5°	3251.0	3268.8	3268.8	3264.3	3237.6	3233.2	3219.8	3210.9	3215.3	3197.5	3210.9
7.5°	3197.5	3210.9	3193.1	3188.6	3179.7	3161.9	3157.4	3117.4	3121.8	3121.8	3130.7
10°	3188.6	3184.2	3157.4	3135.2	3108.5	3104.0	3090.6	3081.7	3081.7	3077.3	3090.6
12.5°	3188.6	3166.4	3161.9	3112.9	3068.4	3086.2	3050.6	3028.3	3059.5	3068.4	3086.2
15°	3184.2	3206.4	3130.7	3108.5	3077.3	3081.7	3050.6	3028.3	3046.1	3055.0	3068.4
17.5°	3210.9	3197.5	3175.3	3130.7	3117.4	3099.6	3059.5	3041.7	3041.7	3063.9	3068.4
20°	3282.1	3246.5	3202.0	3179.7	3193.1	3170.8	3121.8	3055.0	3072.8	3090.6	3104.0
22.5°	3348.9	3322.2	3291.0	3277.7	3353.4	3317.8	3233.2	3157.4	3130.7	3161.9	3184.2
25°	3478.1	3478.1	3420.2	3438.0	3522.6	3527.1	3429.1	3295.5	3277.7	3291.0	3300.0
27.5°	3740.8	3754.2	3705.2	3723.0	3758.7	3789.8	3705.2	3593.9	3553.8	3549.3	3562.7
30°	4025.9	4052.6	4048.1	4123.8	4226.3	4244.1	4119.4	3936.8	3816.5	3794.3	3812.1
32.5°	4399.9	4413.3	4404.4	4493.5	4769.6	4898.7	4573.6	4315.3	4155.0	4195.1	4155.0
35°	5103.6	5090.2	4992.2	5010.1	5237.2	5330.7	5019.0	4854.2	4778.5	4858.6	4840.8
37.5°	5709.2	5660.2	5580.1	5695.9	5931.9	6016.5	5691.4	5402.0	5263.9	5397.5	5455.4
40°	6221.4	6096.7	5985.3	6101.1	6417.3	6533.1	6056.6	5820.6	5767.1	5865.1	5989.8
42.5°	6653.3	6573.2	6426.2	6435.1	6644.4	6697.9	6314.9	6176.8	6123.4	6279.3	6341.6
45°	6960.6	6884.9	6746.9	6738.0	6898.3	6862.7	6519.7	6426.2	6457.4	6559.8	6591.0
47.5°	7116.5	7156.6	7076.4	7098.7	7183.3	7098.7	6827.0	6827.0	6755.8	6818.1	6787.0
50°	7566.3	7441.6	7544.0	7544.0	7633.1	7642.0	7370.3	7272.4	7080.9	6974.0	6974.0
52.5°	8091.8	8100.7	8140.8	8287.7	8439.2	8568.3	8180.9	7762.2	7441.6	7303.5	7285.7
55°	8523.8	8612.8	8773.2	9049.3	9485.7	9663.8	8995.8	8247.7	7855.8	7642.0	7597.5
56°	8759.8	8675.2	8951.3	9329.8	9899.9	10131.4	9129.4	8345.6	7913.7	7673.2	7668.7
57.5°	8532.7	8626.2	8817.7	9414.4	10113.6	10416.5	9178.4	8301.1	7682.1	7437.1	7459.4
60°	6738.0	6827.0	7085.3	7753.3	8848.9	9084.9	7766.7	6844.8	6292.6	5940.8	5945.3
62.5°	3812.1	3878.9	4079.3	4698.3	5379.7	5606.8	4840.8	4226.3	3843.3	3647.3	3585.0
65°	1402.8	1376.1	1407.3	1723.5	2142.1	2333.6	2012.9	1701.2	1500.8	1429.5	1402.8
67.5°	525.5	485.4	454.2	485.4	610.1	645.7	592.3	494.3	463.2	476.5	485.4
70°	325.1	307.3	244.9	231.6	227.1	222.7	236.0	249.4	285.0	334.0	342.9
72.5°	227.1	213.8	173.7	164.8	155.9	151.4	173.7	191.5	222.7	258.3	262.7
75°	89.1	93.5	89.1	98.0	102.4	106.9	124.7	138.1	151.4	151.4	147.0
77.5°	17.8	17.8	26.7	35.6	44.5	57.9	84.6	98.0	102.4	98.0	84.6
80°	0.0	0.0	8.9	17.8	35.6	49.0	75.7	84.6	93.5	84.6	66.8
82.5°	0.0	0.0	8.9	22.3	35.6	44.5	71.3	89.1	102.4	93.5	71.3
85°	0.0	0.0	8.9	17.8	26.7	31.2	31.2	22.3	22.3	13.4	8.9
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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)