

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: P529106

Luminaire Tested: **GLAN-SA4B-730-U-5MQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P529106
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-4)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA4B-730-U-5MQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(4) 70 CRI, 3000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18095 lumens
Efficiency: N/A
Efficacy: 110.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

Input Watts (W): 164
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



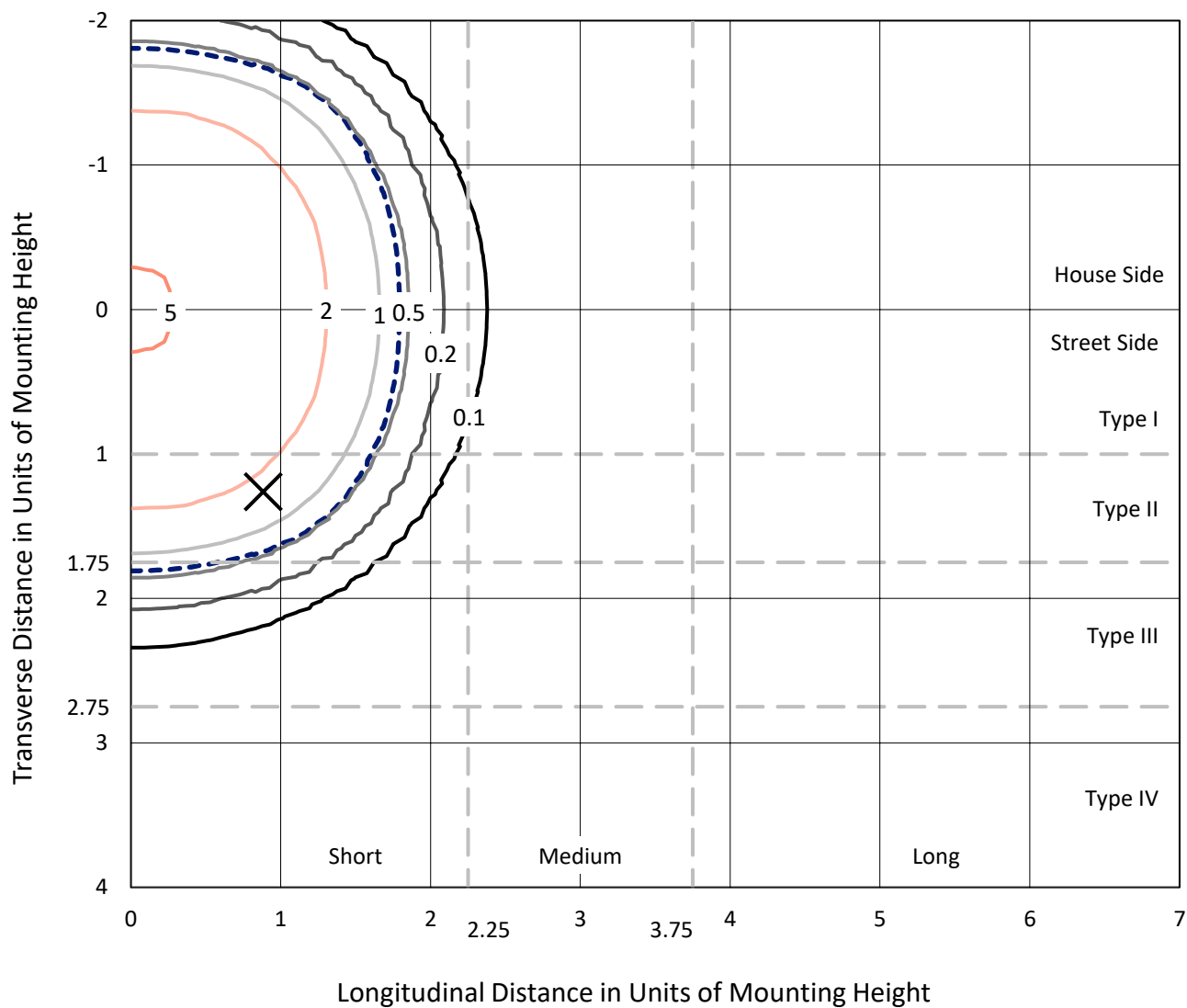
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

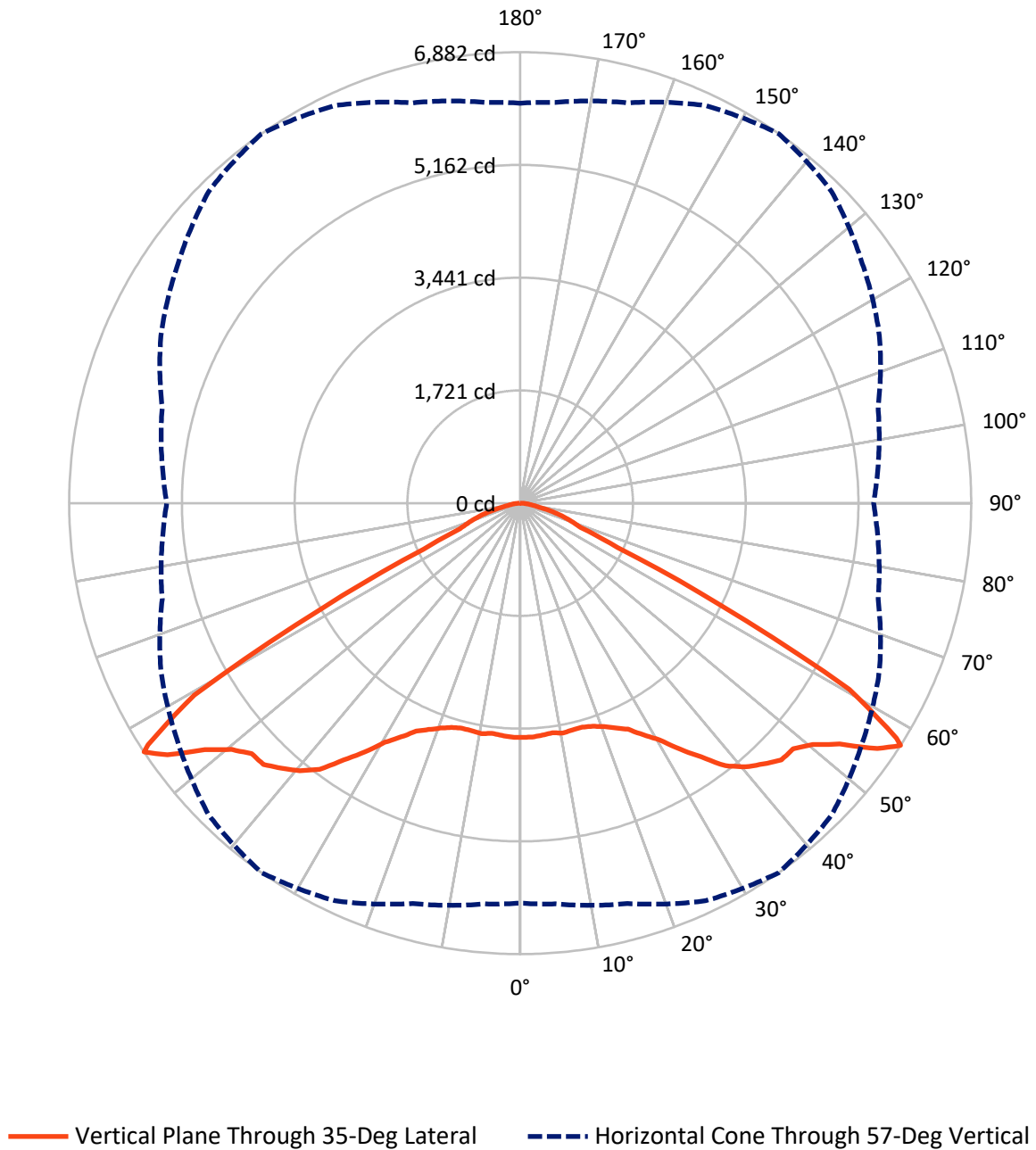
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.7 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	9047.5	0.0	9047.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9047.5	0.0	9047.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	18095.0	0.0	18095.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	338.8	1.9
10°-20°	1003.4	5.5
20°-30°	1752.4	9.7
30°-40°	2871.4	15.9
40°-50°	4210.2	23.3
50°-60°	5303.1	29.3
60°-70°	1994.4	11.0
70°-80°	530.3	2.9
80°-90°	90.9	0.5
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°	18095.0	100.0
0°-180°	18095.0	100.0

Coefficient of Utilization



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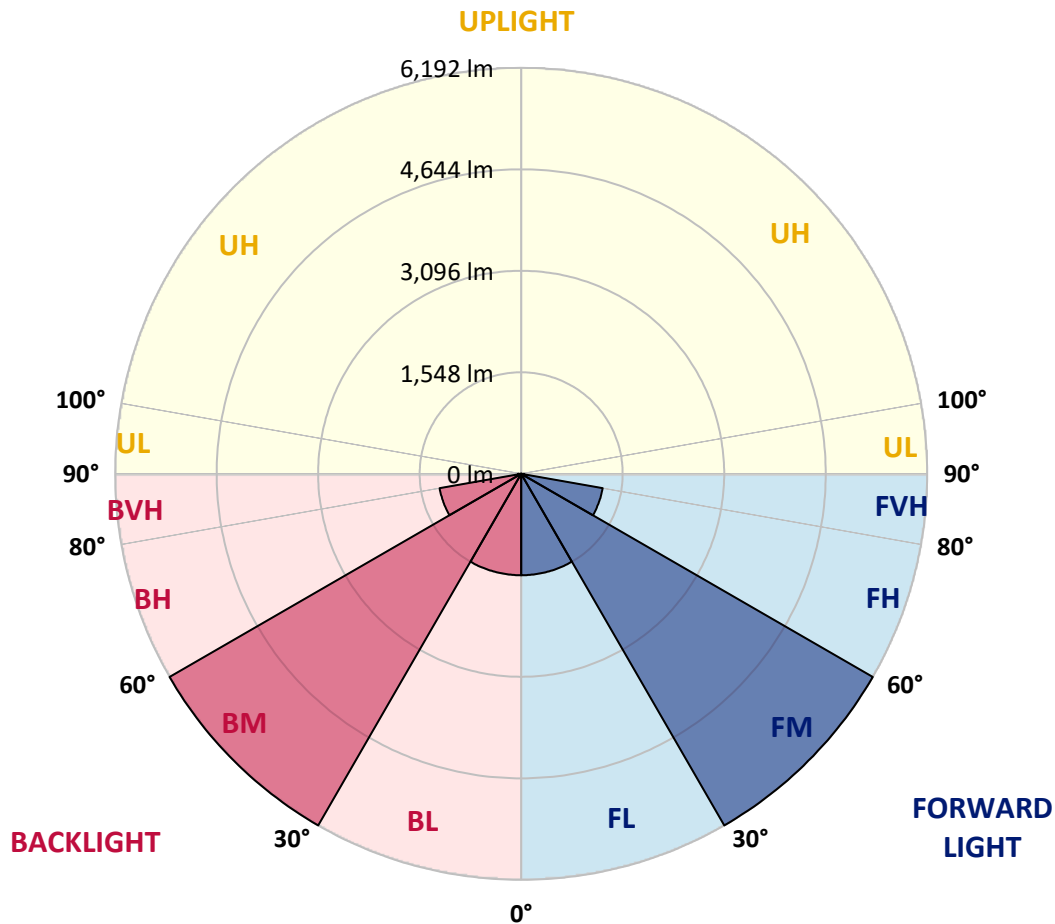
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1547.3	8.6			
FM	(30°-60°)	6192.3	34.2			
FH	(60°-80°)	1262.4	7.0			G1/1800
FVH	(80°-90°)	45.5	0.3			G1/100
BL	(0°-30°)	1547.3	8.6	B3/2500		
BM	(30°-60°)	6192.3	34.2	B4/8500		
BH	(60°-80°)	1262.4	7.0	B3/2500		G1/1800
BVH	(80°-90°)	45.5	0.3			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°	3573.6	3573.6	3573.6	3573.6	3573.6	3573.6	3573.6	3573.6	3573.6	3573.6	3573.6
2.5°	3555.8	3591.5	3575.9	3566.9	3573.6	3562.5	3544.6	3564.7	3560.3	3542.4	3535.7
5°	3546.9	3573.6	3555.8	3573.6	3555.8	3587.0	3578.1	3544.6	3584.8	3546.9	3560.3
7.5°	3540.2	3549.1	3553.6	3544.6	3538.0	3575.9	3555.8	3540.2	3517.9	3511.2	3522.4
10°	3524.6	3546.9	3513.4	3558.0	3566.9	3540.2	3540.2	3511.2	3493.4	3482.2	3520.1
12.5°	3564.7	3526.8	3522.4	3544.6	3551.3	3562.5	3531.3	3515.7	3482.2	3486.7	3480.0
15°	3517.9	3533.5	3535.7	3540.2	3546.9	3573.6	3544.6	3511.2	3497.8	3451.0	3455.5
17.5°	3535.7	3520.1	3535.7	3587.0	3578.1	3598.2	3566.9	3515.7	3484.5	3457.7	3493.4
20°	3566.9	3560.3	3566.9	3629.4	3640.5	3658.3	3631.6	3584.8	3524.6	3493.4	3511.2
22.5°	3600.4	3595.9	3600.4	3660.6	3725.2	3747.5	3720.8	3611.5	3580.3	3522.4	3502.3
25°	3660.6	3665.0	3711.8	3778.7	3821.1	3863.4	3814.4	3736.4	3636.1	3600.4	3558.0
27.5°	3794.3	3805.5	3832.2	3930.3	4003.9	4041.8	3972.7	3865.7	3803.3	3729.7	3718.5
30°	3959.3	3959.3	4006.1	4090.8	4191.2	4249.1	4164.4	4037.3	3961.5	3921.4	3896.9
32.5°	4177.8	4153.3	4171.1	4320.5	4476.5	4525.6	4411.9	4255.8	4135.4	4081.9	4064.1
35°	4365.0	4380.6	4420.8	4581.3	4755.2	4868.9	4690.5	4487.7	4365.0	4316.0	4307.1
37.5°	4608.0	4634.8	4654.9	4875.6	5085.1	5127.5	4955.8	4793.1	4643.7	4603.6	4581.3
40°	4951.4	4933.5	4940.2	5103.0	5292.4	5319.2	5149.8	5033.8	4911.2	4886.7	4886.7
42.5°	5234.5	5214.4	5236.7	5296.9	5441.8	5421.8	5328.1	5243.4	5192.1	5165.4	5192.1
45°	5406.1	5401.7	5441.8	5486.4	5589.0	5522.1	5448.5	5461.9	5412.8	5368.2	5366.0
47.5°	5593.4	5564.4	5613.5	5680.4	5602.3	5571.1	5566.7	5595.6	5580.0	5502.0	5477.5
50°	5684.8	5673.7	5751.7	5829.7	5787.4	5716.0	5731.6	5778.4	5577.8	5473.0	5412.8
52.5°	5930.0	5932.3	6081.6	6124.0	6106.2	6001.4	6034.8	5907.7	5671.4	5524.3	5531.0
55°	6315.7	6300.1	6467.3	6592.2	6612.2	6478.5	6317.9	6139.6	5843.1	5693.7	5649.1
57°	6103.9	6139.6	6324.6	6694.7	6882.0	6723.7	6373.7	6048.2	5653.6	5473.0	5392.8
57.5°	5820.8	5878.8	6199.8	6572.1	6768.3	6754.9	6304.6	5878.8	5526.5	5245.6	5252.3
60°	4264.7	4275.9	4565.7	5156.5	5769.5	5782.9	5234.5	4670.5	4278.1	3972.7	4015.0
62.5°	2249.4	2300.7	2416.6	2891.5	3422.0	3551.3	3219.2	2929.4	2590.5	2358.6	2380.9
65°	1190.5	1183.8	1239.5	1373.3	1634.1	1701.0	1656.4	1426.8	1308.6	1270.7	1273.0
67.5°	967.5	978.7	972.0	978.7	996.5	1025.5	1018.8	1027.7	1034.4	1045.6	1043.3
70°	820.4	820.4	824.9	827.1	827.1	840.5	856.1	885.0	887.3	898.4	902.9
72.5°	646.5	642.0	648.7	664.3	666.6	677.7	700.0	717.8	724.5	724.5	711.2
75°	439.2	443.6	452.6	465.9	479.3	499.4	517.2	528.4	532.8	526.1	519.4
77.5°	247.5	251.9	258.6	278.7	294.3	312.1	332.2	343.3	354.5	356.7	343.3
80°	147.1	147.1	158.3	173.9	191.7	209.6	227.4	240.8	245.2	245.2	238.5
82.5°	89.2	91.4	100.3	115.9	131.5	142.7	158.3	169.4	178.3	176.1	171.7
85°	46.8	46.8	55.7	69.1	80.3	91.4	91.4	84.7	80.3	69.1	64.7
87.5°	15.6	13.4	17.8	17.8	15.6	17.8	17.8	20.1	20.1	20.1	20.1
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)