

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: P650450

Luminaire Tested: **GLAN-SA6B-835-U-5WQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P650450
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-2)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA6B-835-U-5WQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 80 CRI, 3500K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 22414.1 lumens
Efficiency: N/A
Efficacy: 92.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

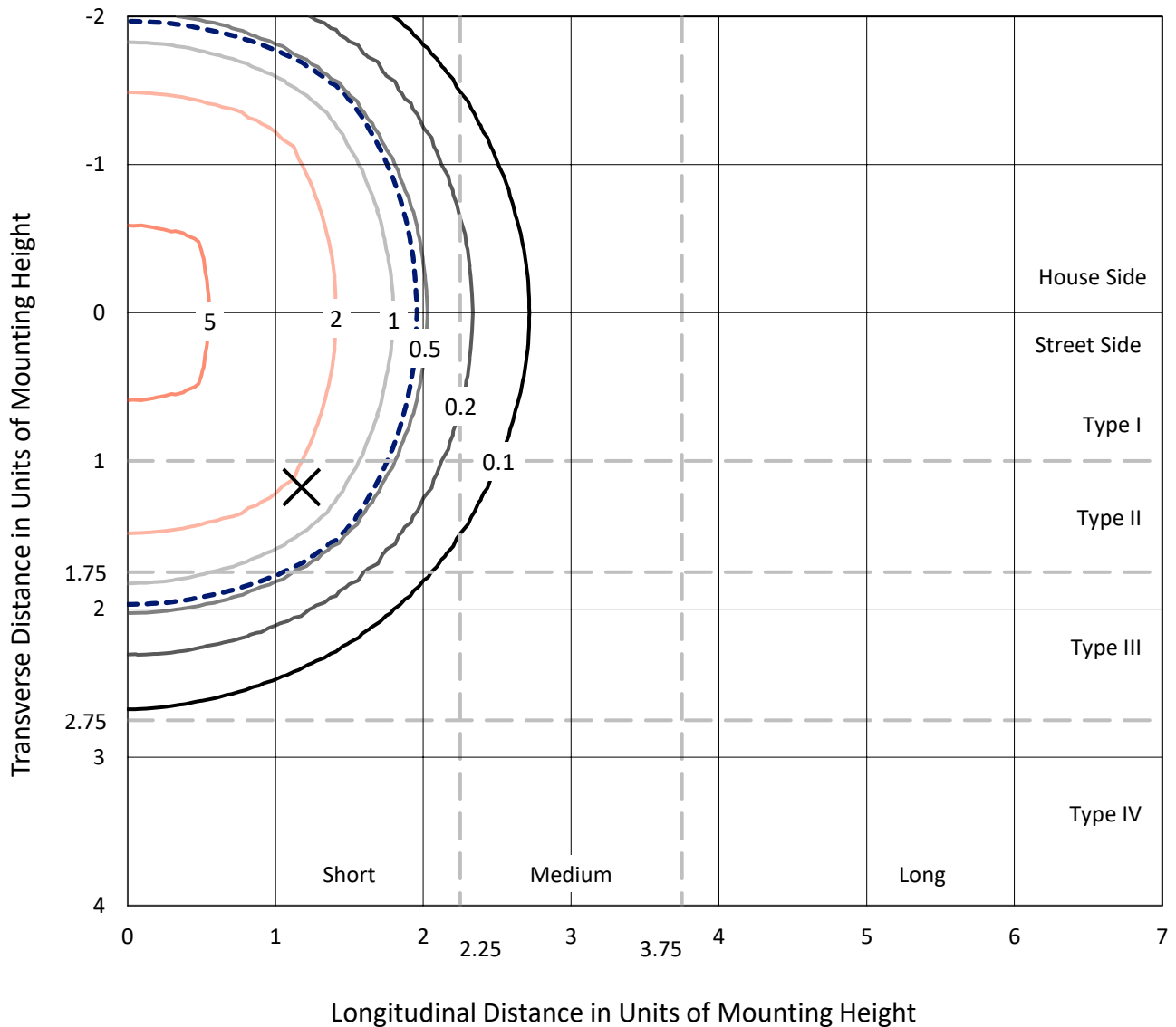
Input Watts (W): 243
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

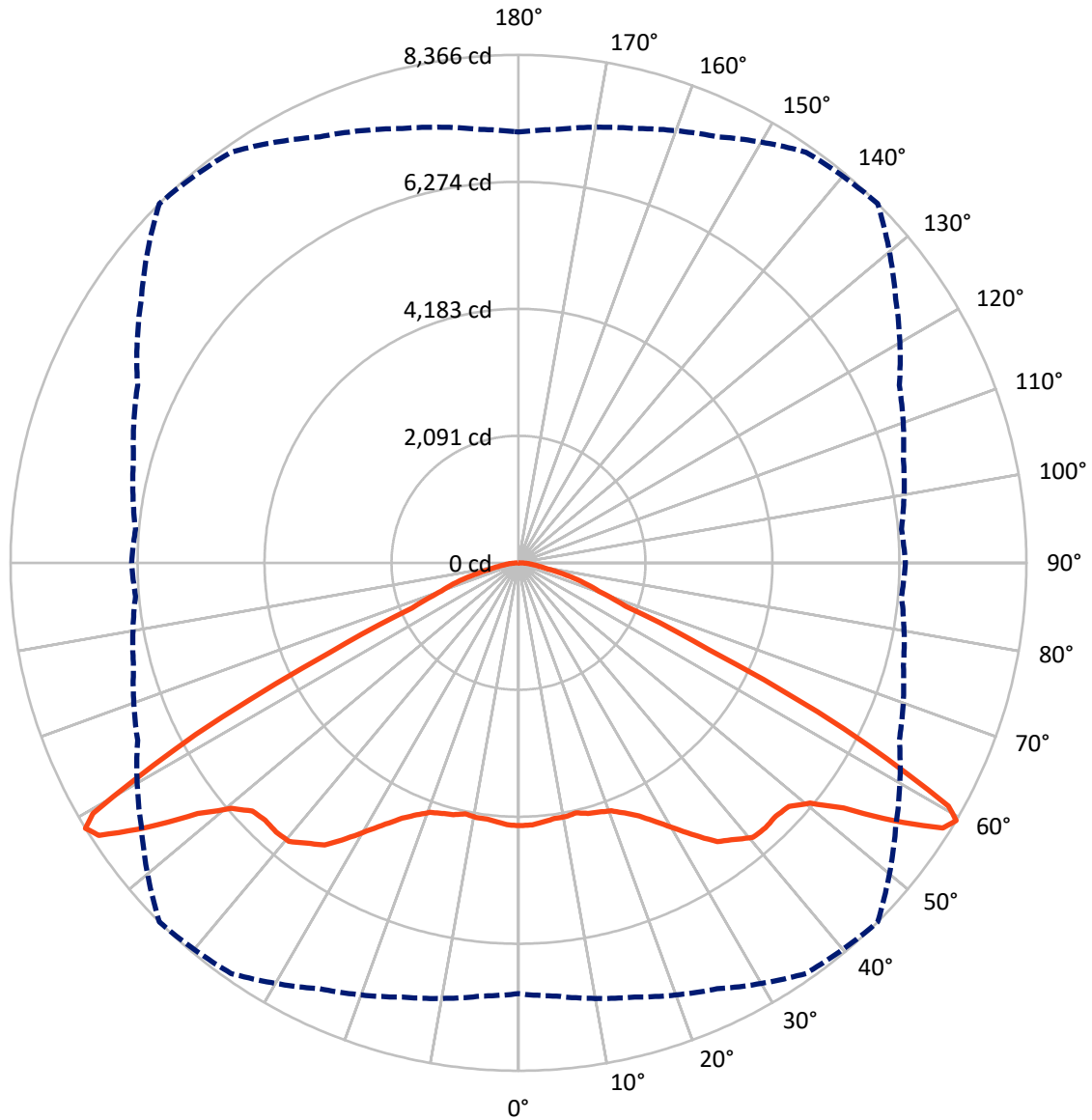
✕ Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 59-Deg Vertical

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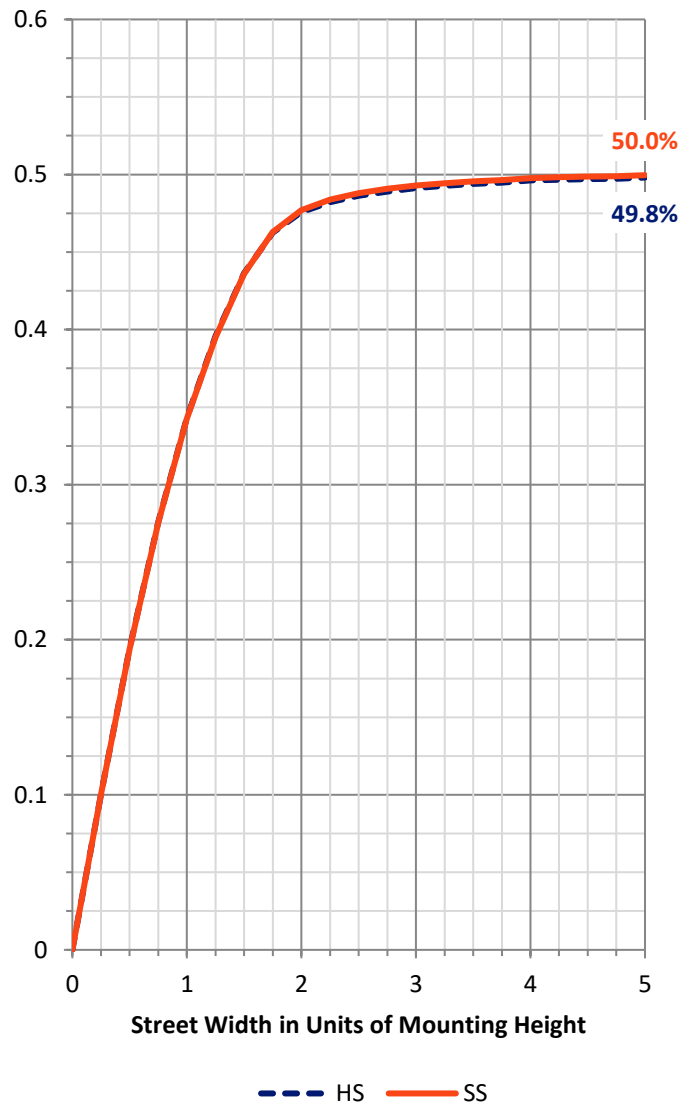
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	11207.1	0.0	11207.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	11207.1	0.0	11207.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	22414.1	0.0	22414.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	408.1	1.8
10°-20°	1213.7	5.4
20°-30°	2119.2	9.5
30°-40°	3384.7	15.1
40°-50°	4610.6	20.6
50°-60°	6234.8	27.8
60°-70°	3419.2	15.3
70°-80°	874.7	3.9
80°-90°	149.2	0.7
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°	22414.1	100.0
0°-180°	22414.1	100.0

Coefficient of Utilization

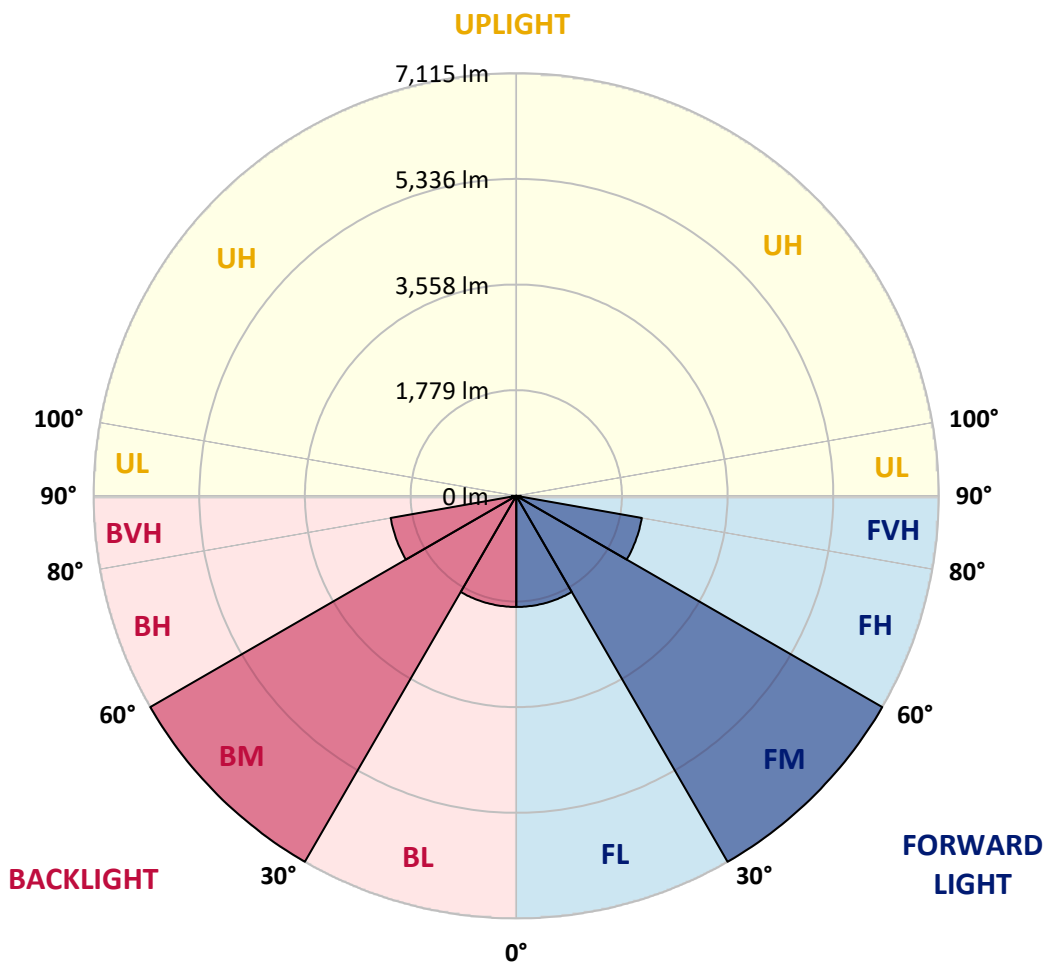


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1870.5	8.3			
FM (30°-60°)	7115.0	31.7			
FH (60°-80°)	2146.9	9.6			G2/5000
FVH (80°-90°)	74.6	0.3			G1/100
BL (0°-30°)	1870.5	8.3	B3/2500		
BM (30°-60°)	7115.0	31.7	B4/8500		
BH (60°-80°)	2146.9	9.6	B3/2500		G2/5000
BVH (80°-90°)	74.6	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-G2
 Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4329.4	4329.4	4329.4	4329.4	4329.4	4329.4	4329.4	4329.4	4329.4	4329.4	4329.4
2.5°	4303.5	4335.1	4312.1	4332.2	4329.4	4320.8	4306.3	4297.7	4286.2	4303.5	4274.8
5°	4286.2	4312.1	4338.0	4303.5	4303.5	4286.2	4277.6	4260.4	4260.4	4257.5	4254.7
7.5°	4315.0	4289.1	4277.6	4283.4	4289.1	4251.8	4277.6	4243.2	4214.4	4234.5	4257.5
10°	4289.1	4300.6	4257.5	4277.6	4246.1	4251.8	4234.5	4257.5	4225.9	4225.9	4225.9
12.5°	4315.0	4283.4	4297.7	4283.4	4274.8	4225.9	4248.9	4223.0	4220.2	4248.9	4223.0
15°	4366.7	4315.0	4303.5	4274.8	4283.4	4283.4	4260.4	4263.3	4231.6	4248.9	4254.7
17.5°	4349.5	4320.8	4312.1	4277.6	4306.3	4315.0	4271.9	4243.2	4263.3	4260.4	4257.5
20°	4363.8	4375.3	4366.7	4372.4	4383.9	4360.9	4320.8	4280.5	4254.7	4292.0	4289.1
22.5°	4455.7	4444.2	4438.5	4432.8	4452.8	4475.9	4421.3	4358.1	4358.1	4383.9	4395.4
25°	4530.4	4527.5	4524.7	4550.6	4619.5	4619.5	4550.6	4470.1	4450.0	4467.2	4452.8
27.5°	4639.6	4671.2	4659.7	4705.7	4806.2	4829.2	4737.3	4642.5	4587.9	4567.8	4593.6
30°	4889.5	4852.2	4860.8	4909.6	4998.7	5073.4	4932.7	4832.0	4757.4	4754.5	4766.0
32.5°	5056.1	5084.9	5110.7	5156.7	5297.5	5354.9	5185.4	5021.7	4975.7	4949.9	4958.5
35°	5389.4	5363.6	5357.8	5403.8	5544.6	5639.3	5426.7	5283.1	5222.8	5280.2	5280.2
37.5°	5705.4	5633.6	5579.0	5639.3	5768.6	5780.1	5599.2	5521.6	5489.9	5556.0	5553.2
40°	5854.8	5849.1	5722.6	5757.2	5929.5	5946.7	5777.2	5685.3	5679.6	5765.8	5851.9
42.5°	6009.9	5955.3	5829.0	5851.9	5958.2	5964.0	5803.1	5777.2	5840.5	5923.8	5929.5
45°	6035.8	5989.9	5909.4	5851.9	5929.5	5946.7	5851.9	5869.2	5874.9	5975.5	5975.5
47.5°	6087.5	6081.8	6035.8	5992.7	6007.1	5992.7	5932.4	5958.2	6044.4	6093.2	6070.3
50°	6231.1	6170.8	6216.8	6179.4	6182.3	6222.5	6167.9	6193.8	6176.5	6133.5	6104.7
52.5°	6547.1	6518.4	6558.6	6584.5	6613.2	6705.1	6642.0	6504.1	6374.8	6259.9	6257.0
55°	7009.7	7029.8	7107.4	7239.5	7351.6	7498.1	7193.6	6863.2	6656.4	6475.3	6486.8
57.5°	7446.3	7432.0	7538.3	7839.9	8167.5	8242.1	7644.6	7173.5	6837.3	6722.4	6673.6
59°	7095.9	7164.8	7406.2	7742.2	8256.5	8365.7	7584.2	6920.6	6564.4	6331.7	6371.9
60°	6544.3	6570.2	6785.6	7253.9	7949.1	8135.8	7179.2	6529.9	6055.9	5920.9	5981.2
62.5°	4625.3	4605.1	4760.2	5142.4	5765.8	6018.5	5337.7	4880.9	4582.1	4432.8	4467.2
65°	2459.2	2551.1	2614.3	2852.7	3183.1	3450.3	3168.7	2970.5	2803.8	2680.4	2677.5
67.5°	1660.5	1649.0	1663.3	1718.0	1829.9	1904.6	1898.9	1798.4	1784.0	1761.0	1786.9
70°	1399.1	1393.3	1367.4	1367.4	1390.5	1407.7	1427.8	1439.3	1462.3	1491.0	1488.1
72.5°	1134.8	1120.4	1103.2	1094.6	1123.3	1131.9	1157.7	1169.3	1189.4	1186.5	1212.3
75°	749.8	749.8	769.9	792.9	801.5	818.8	821.6	856.1	856.1	861.8	838.8
77.5°	419.5	407.9	422.3	445.3	465.4	497.0	528.6	554.4	568.8	563.1	563.1
80°	244.2	244.2	258.5	284.4	310.3	339.0	362.0	382.1	396.4	390.7	379.2
82.5°	152.3	152.3	166.6	192.5	212.6	229.8	261.4	287.3	304.5	298.8	284.4
85°	77.6	77.6	94.8	112.0	137.9	149.4	146.5	135.0	132.2	117.8	117.8
87.5°	20.1	20.1	28.7	31.6	25.8	28.7	28.7	28.7	28.7	28.7	31.6
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)