

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: P650444

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

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P650444
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-SA6B-835-U-5MQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 80 CRI, 3500K, 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: 23320.1 lumens
Efficiency: N/A
Efficacy: 96.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

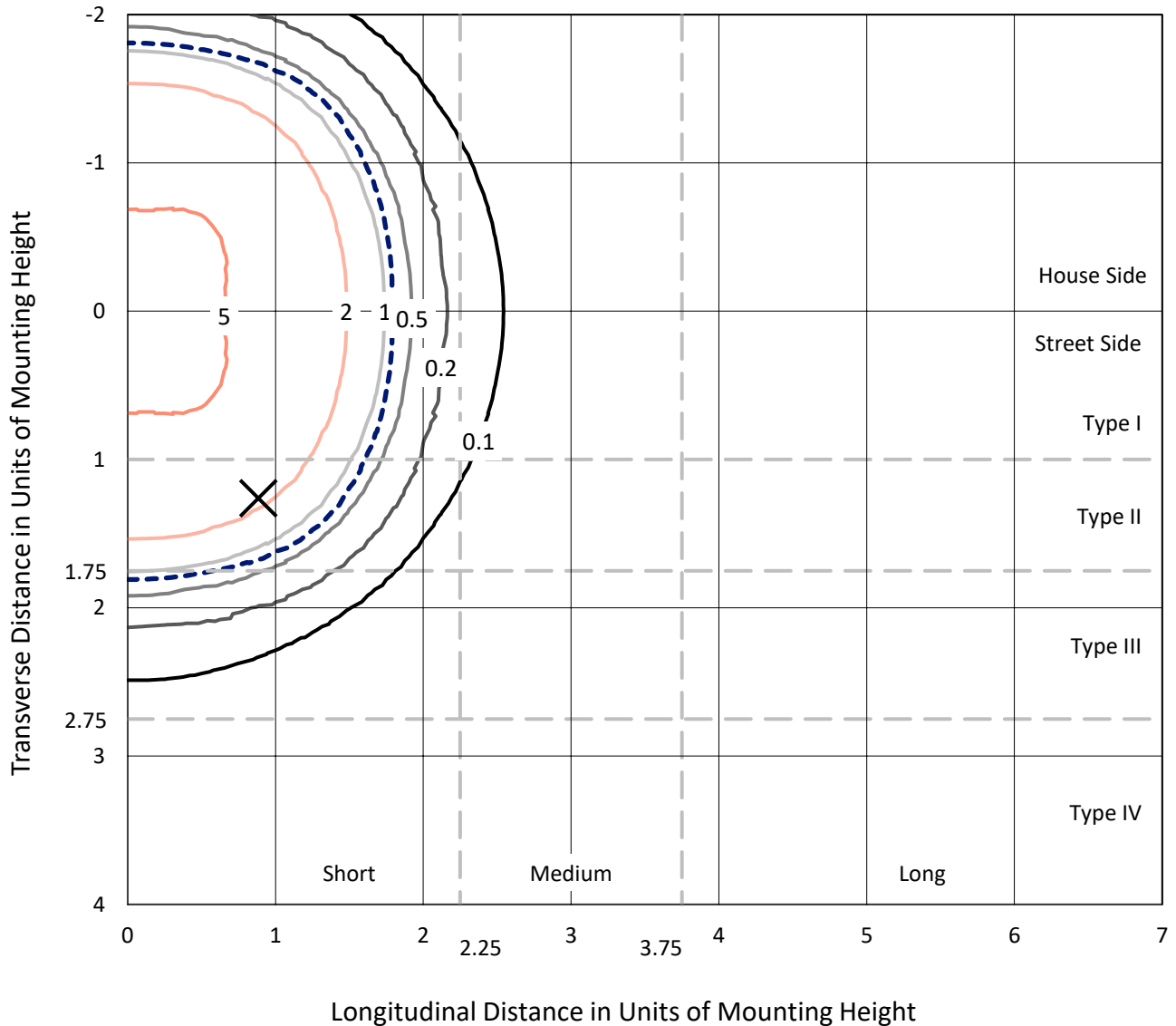
Input Watts (W): 243
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

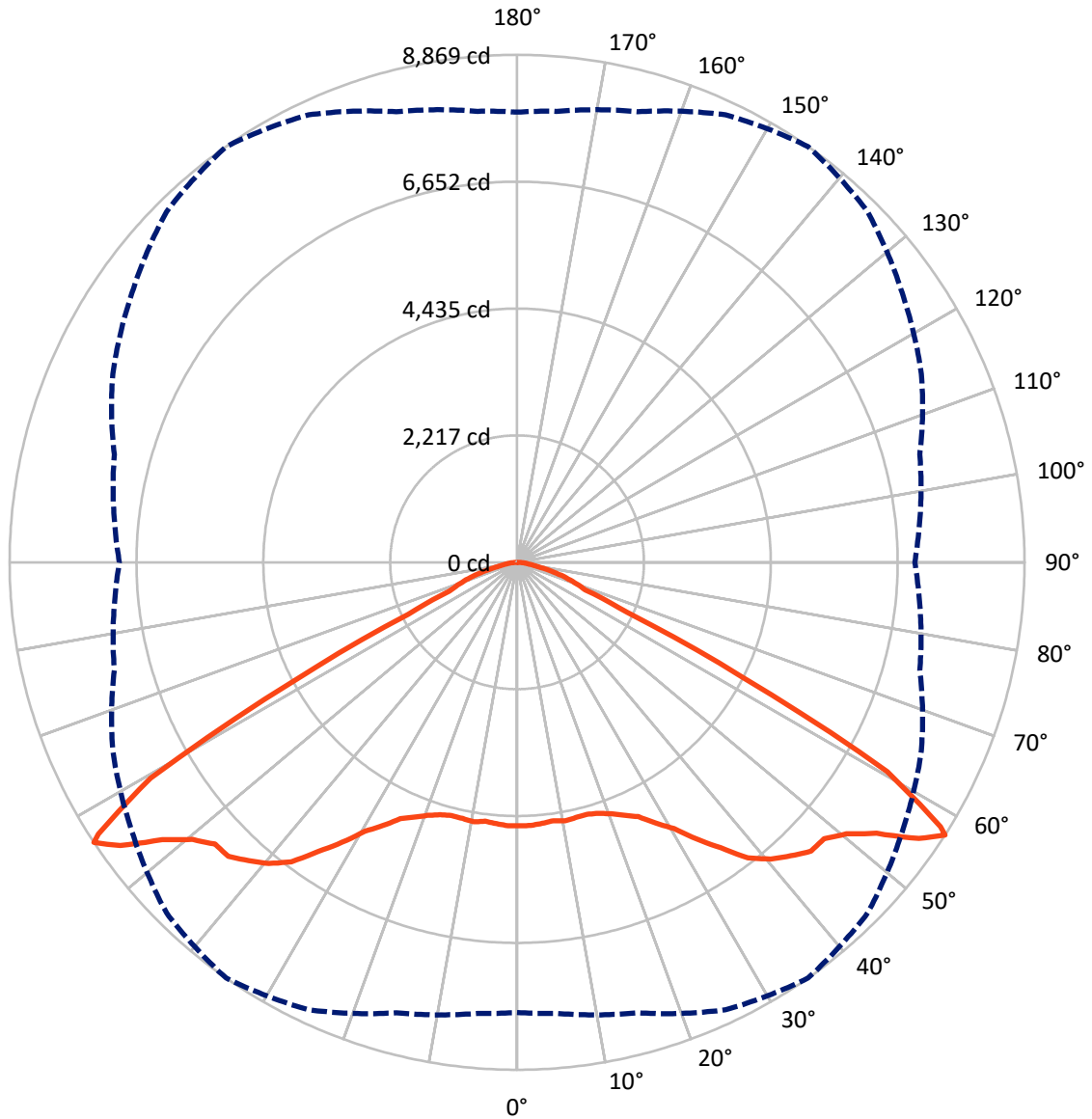
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.4 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 57-Deg Vertical

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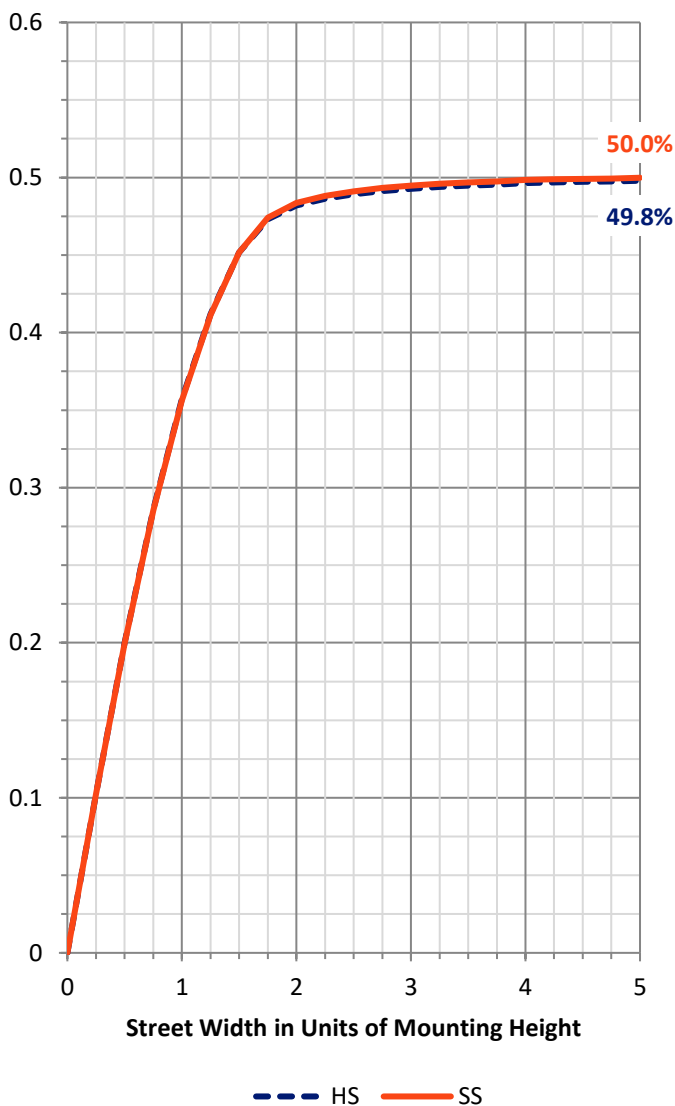
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	11660.0	0.0	11660.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	11660.0	0.0	11660.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	23320.1	0.0	23320.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	436.6	1.9
10°-20°	1293.2	5.5
20°-30°	2258.5	9.7
30°-40°	3700.6	15.9
40°-50°	5425.9	23.3
50°-60°	6834.4	29.3
60°-70°	2570.3	11.0
70°-80°	683.4	2.9
80°-90°	117.2	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°	23320.1	100.0
0°-180°	23320.1	100.0

Coefficient of Utilization



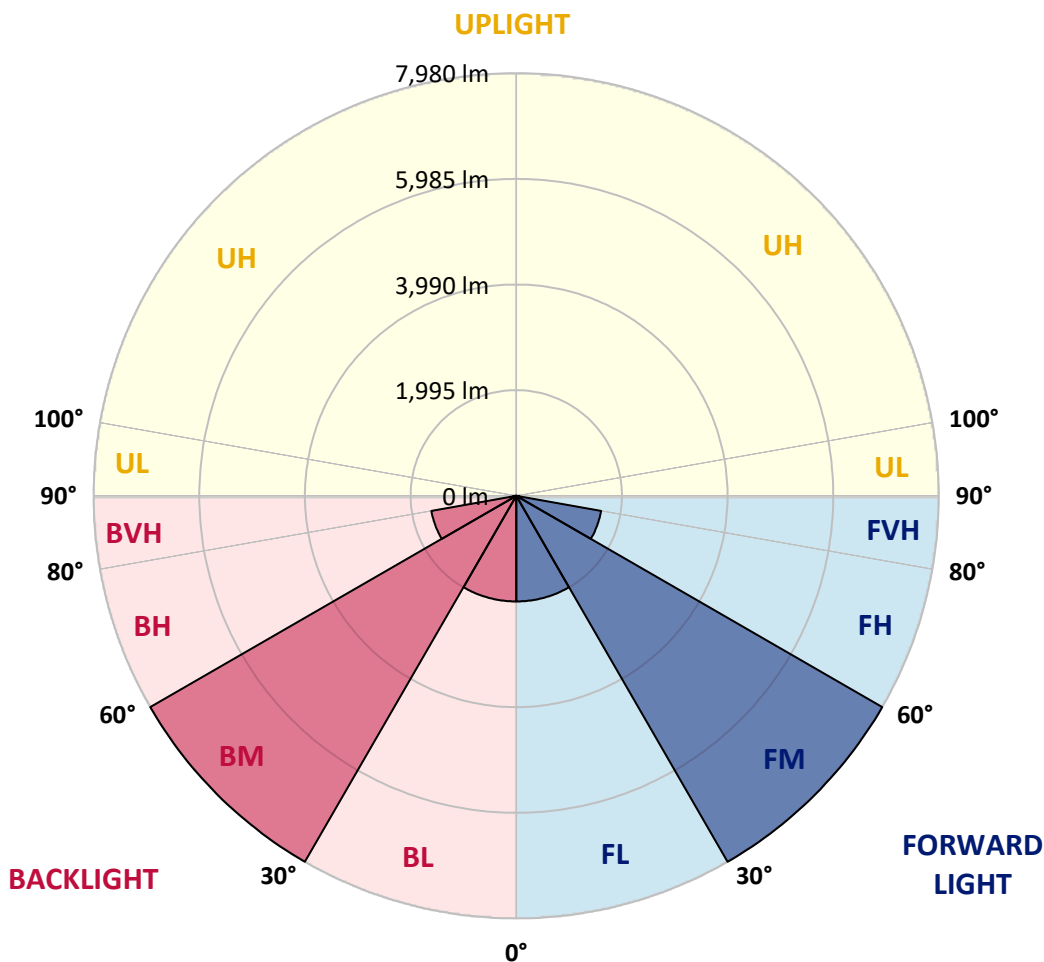
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1994.1	8.6			
FM (30°-60°)	7980.4	34.2			
FH (60°-80°)	1626.9	7.0			G1/1800
FVH (80°-90°)	58.6	0.3			G1/100
BL (0°-30°)	1994.1	8.6	B3/2500		
BM (30°-60°)	7980.4	34.2	B4/8500		
BH (60°-80°)	1626.9	7.0	B3/2500		G1/1800
BVH (80°-90°)	58.6	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-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4605.5	4605.5	4605.5	4605.5	4605.5	4605.5	4605.5	4605.5	4605.5	4605.5	4605.5
2.5°	4582.6	4628.5	4608.4	4596.9	4605.5	4591.2	4568.2	4594.0	4588.3	4565.4	4556.7
5°	4571.1	4605.5	4582.6	4605.5	4582.6	4622.8	4611.3	4568.2	4619.9	4571.1	4588.3
7.5°	4562.5	4574.0	4579.7	4568.2	4559.6	4608.4	4582.6	4562.5	4533.7	4525.1	4539.4
10°	4542.3	4571.1	4528.0	4585.4	4596.9	4562.5	4562.5	4525.1	4502.1	4487.8	4536.6
12.5°	4594.0	4545.2	4539.4	4568.2	4576.8	4591.2	4551.0	4530.8	4487.8	4493.5	4484.9
15°	4533.7	4553.8	4556.7	4562.5	4571.1	4605.5	4568.2	4525.1	4507.9	4447.5	4453.2
17.5°	4556.7	4536.6	4556.7	4622.8	4611.3	4637.2	4596.9	4530.8	4490.7	4456.1	4502.1
20°	4596.9	4588.3	4596.9	4677.4	4691.7	4714.8	4680.2	4619.9	4542.3	4502.1	4525.1
22.5°	4640.1	4634.3	4640.1	4717.6	4800.9	4829.6	4795.2	4654.4	4614.1	4539.4	4513.6
25°	4717.6	4723.4	4783.7	4869.9	4924.4	4979.0	4915.8	4815.3	4686.0	4640.1	4585.4
27.5°	4890.0	4904.3	4938.9	5065.2	5160.0	5208.9	5119.8	4981.9	4901.5	4806.7	4792.3
30°	5102.6	5102.6	5162.9	5272.1	5401.4	5476.1	5366.9	5203.1	5105.5	5053.7	5022.2
32.5°	5384.1	5352.5	5375.5	5568.0	5769.1	5832.3	5685.8	5484.7	5329.6	5260.6	5237.6
35°	5625.5	5645.6	5697.3	5904.2	6128.3	6274.8	6045.0	5783.5	5625.5	5562.3	5550.8
37.5°	5938.7	5973.1	5999.0	6283.4	6553.5	6608.1	6386.9	6177.1	5984.6	5932.9	5904.2
40°	6381.1	6358.1	6366.7	6576.5	6820.7	6855.2	6636.8	6487.4	6329.4	6297.8	6297.8
42.5°	6746.0	6720.1	6748.8	6826.4	7013.2	6987.3	6866.7	6757.4	6691.4	6656.9	6691.4
45°	6967.2	6961.5	7013.2	7070.6	7202.8	7116.6	7021.8	7039.0	6975.8	6918.4	6915.5
47.5°	7208.5	7171.2	7234.5	7320.6	7220.0	7179.8	7174.1	7211.4	7191.3	7090.8	7059.1
50°	7326.4	7312.0	7412.6	7513.1	7458.5	7366.5	7386.7	7447.0	7188.4	7053.4	6975.8
52.5°	7642.4	7645.3	7837.8	7892.3	7869.4	7734.3	7777.5	7613.7	7309.1	7119.5	7128.1
55°	8139.4	8119.3	8334.8	8495.7	8521.5	8349.1	8142.3	7912.4	7530.3	7337.8	7280.4
57°	7866.5	7912.4	8151.0	8627.9	8869.2	8665.2	8214.1	7794.7	7286.1	7053.4	6950.0
57.5°	7501.6	7576.3	7990.0	8469.9	8722.7	8705.4	8125.0	7576.3	7122.3	6760.3	6769.0
60°	5496.2	5510.6	5884.1	6645.4	7435.5	7452.8	6746.0	6019.1	5513.4	5119.8	5174.4
62.5°	2898.9	2965.0	3114.4	3726.4	4410.2	4576.8	4148.7	3775.2	3338.6	3039.7	3068.4
65°	1534.2	1525.6	1597.4	1769.8	2106.0	2192.2	2134.7	1838.8	1686.5	1637.6	1640.5
67.5°	1246.9	1261.3	1252.6	1261.3	1284.3	1321.6	1313.0	1324.5	1333.1	1347.5	1344.6
70°	1057.3	1057.3	1063.0	1065.9	1065.9	1083.1	1103.2	1140.6	1143.5	1157.8	1163.6
72.5°	833.2	827.5	836.1	856.2	859.0	873.4	902.2	925.1	933.7	933.7	916.5
75°	566.0	571.7	583.3	600.5	617.7	643.5	666.6	680.9	686.7	678.1	669.5
77.5°	318.9	324.6	333.2	359.2	379.3	402.2	428.1	442.5	456.8	459.7	442.5
80°	189.6	189.6	204.0	224.1	247.1	270.1	293.1	310.3	316.0	316.0	307.4
82.5°	114.9	117.8	129.3	149.4	169.5	183.8	204.0	218.4	229.8	227.0	221.2
85°	60.4	60.4	71.8	89.0	103.4	117.8	117.8	109.2	103.4	89.0	83.3
87.5°	20.1	17.2	23.0	23.0	20.1	23.0	23.0	25.8	25.8	25.8	25.8
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)