

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: P649673

Luminaire Tested: **GLAN-SA1A-835-U-5MQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P649673
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-3)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA1A-835-U-5MQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 3500K, 615mA LIGHTSQUARE WITH 16 LEDS AND TYPE V MEDIUM OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2174.4 lumens
Efficiency: N/A
Efficacy: 65.9 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B1 - U0 - G0

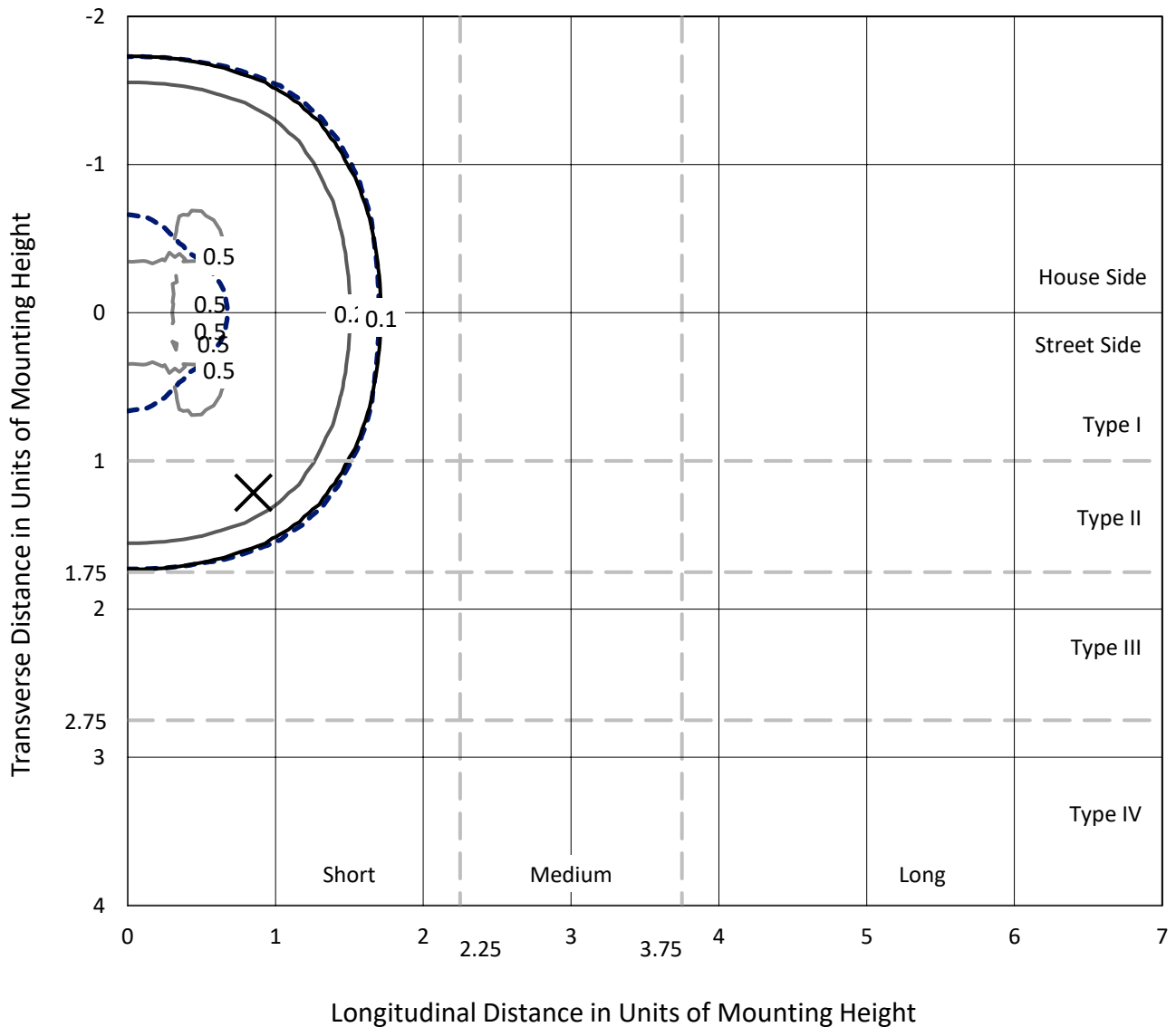
Input Watts (W): 33
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

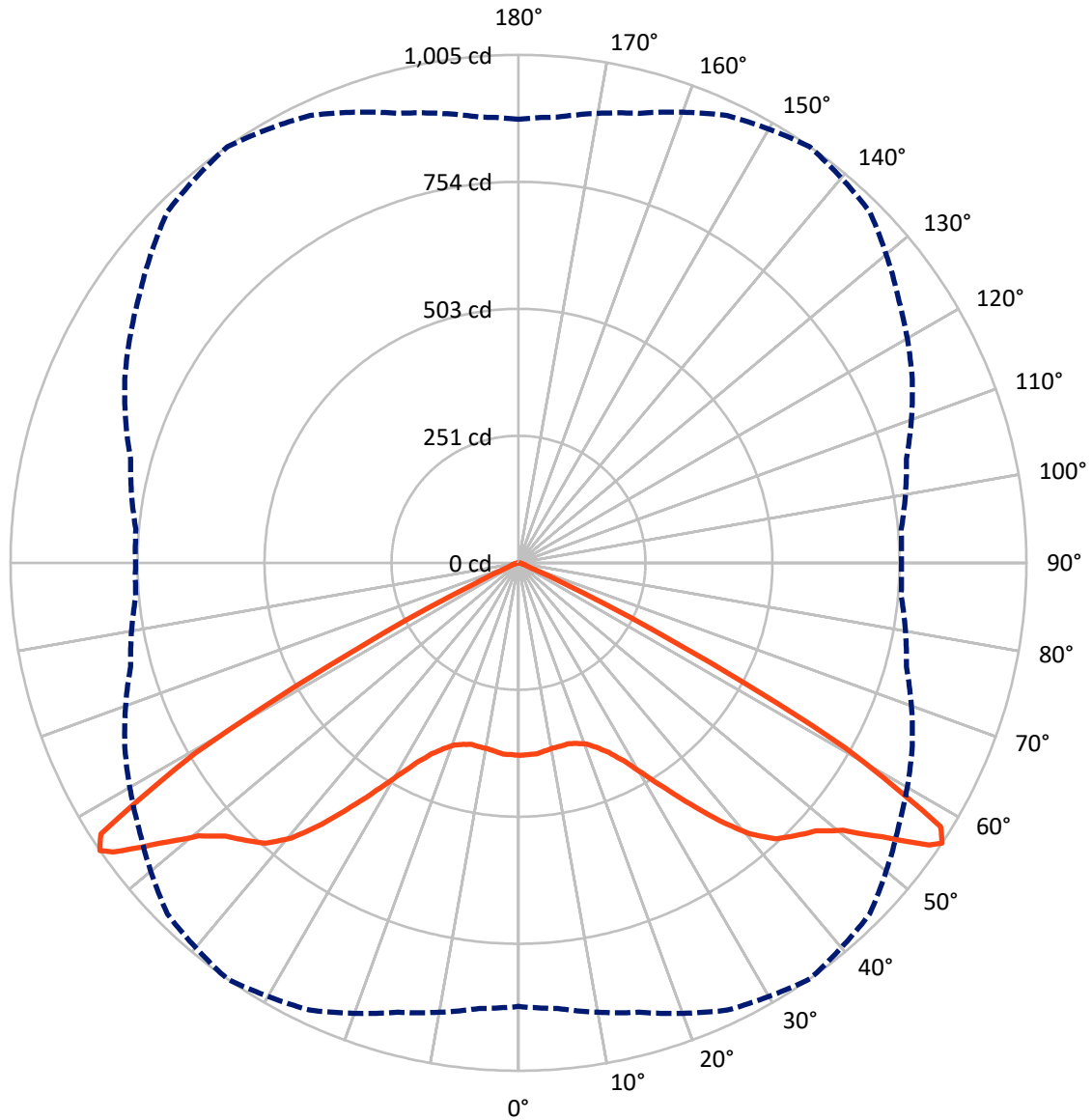
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.6 fc
 Type V - Short - N/A

REPORT NUMBER: P649673
CATALOG NUMBER: GLAN-SA1A-835-U-5MQ-GRSBK

Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 56-Deg Vertical

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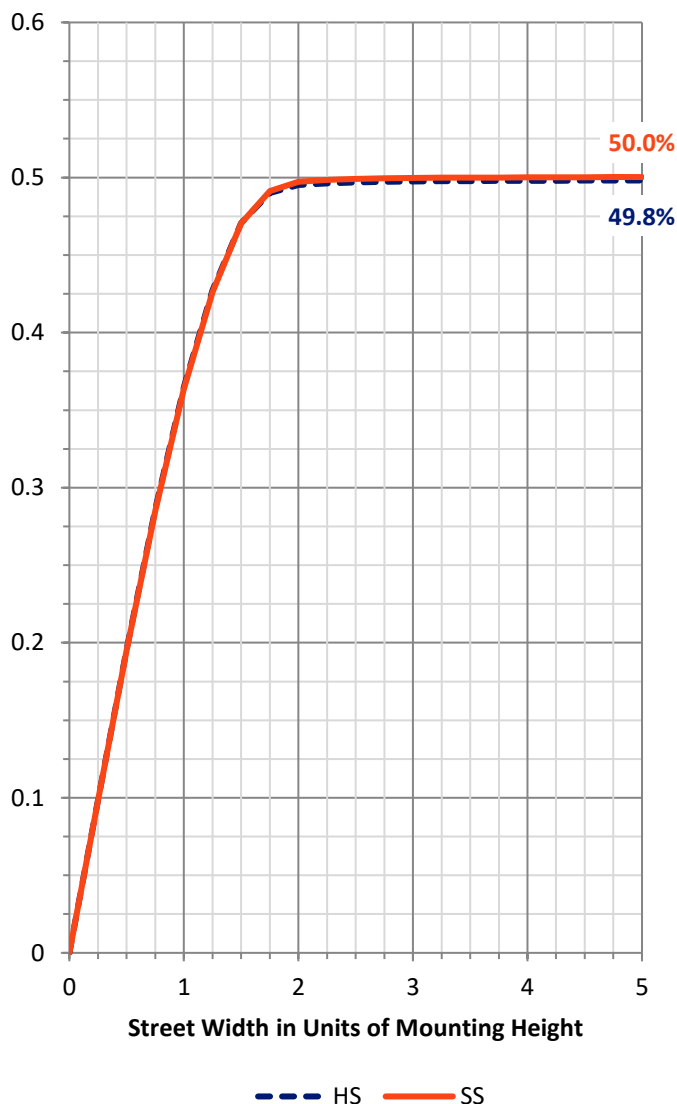
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1087.2	0.0	1087.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1087.2	0.0	1087.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	2174.4	0.0	2174.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	35.8	1.6
10°-20°	104.5	4.8
20°-30°	189.3	8.7
30°-40°	351.1	16.1
40°-50°	576.2	26.5
50°-60°	742.3	34.1
60°-70°	163.6	7.5
70°-80°	9.5	0.4
80°-90°	2.0	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°	2174.4	100.0
0°-180°	2174.4	100.0

Coefficient of Utilization



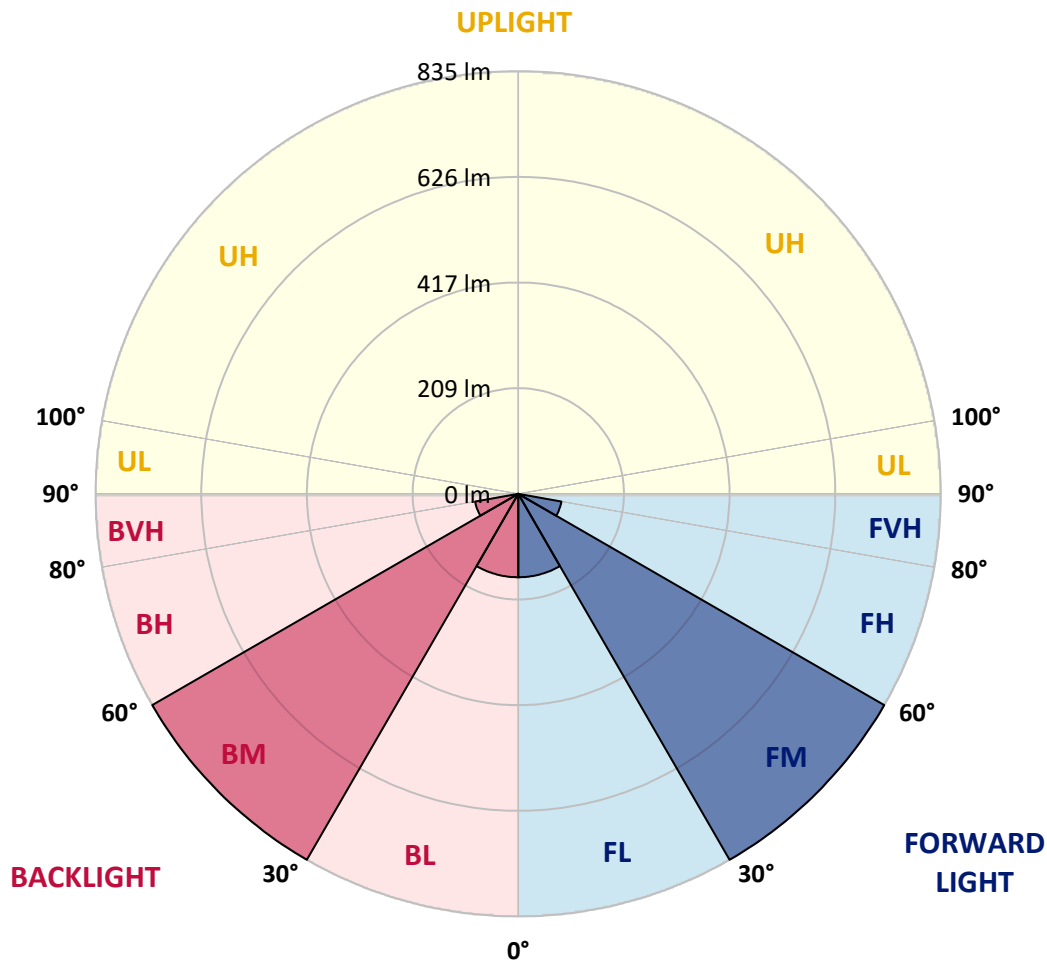
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	164.8	7.6			
FM (30°-60°)	834.8	38.4			
FH (60°-80°)	86.5	4.0			G0/660
FVH (80°-90°)	1.0	0.0			G0/10
BL (0°-30°)	164.8	7.6	B1/500		
BM (30°-60°)	834.8	38.4	B1/1000		
BH (60°-80°)	86.5	4.0	B0/110		G0/660
BVH (80°-90°)	1.0	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G0

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	381.0	381.0	381.0	381.0	381.0	381.0	381.0	381.0	381.0	381.0	381.0
2.5°	381.8	381.8	382.2	382.6	379.8	378.7	379.1	378.3	377.9	379.1	379.1
5°	380.6	380.6	379.4	379.8	379.8	376.3	376.3	377.1	377.1	374.7	373.9
7.5°	377.5	376.7	375.1	377.1	375.8	373.1	371.1	370.4	371.9	371.9	370.4
10°	370.8	371.1	372.7	373.5	372.7	375.1	370.4	367.6	364.9	363.6	363.6
12.5°	367.6	370.0	367.6	369.6	372.3	370.4	367.6	365.7	361.7	360.1	360.1
15°	367.2	368.8	369.6	372.3	371.1	371.9	366.4	364.1	358.1	355.4	354.2
17.5°	366.8	368.8	370.0	375.1	375.8	376.3	371.9	364.9	359.7	357.0	354.2
20°	371.1	371.9	374.3	379.4	382.6	388.1	380.2	372.7	361.7	358.5	357.4
22.5°	376.7	380.6	383.0	388.5	396.7	401.5	391.3	381.8	370.4	366.4	361.7
25°	394.4	393.6	397.5	409.0	415.7	419.2	410.9	397.1	382.2	377.5	378.3
27.5°	416.5	417.3	420.8	433.4	443.3	448.7	438.9	420.8	406.2	398.3	397.5
30°	445.2	444.4	448.3	465.3	483.0	491.3	473.9	452.7	438.6	428.3	430.6
32.5°	475.6	476.0	486.9	502.4	531.1	547.2	519.3	493.3	472.0	464.9	461.3
35°	520.5	522.4	531.1	554.8	586.7	607.5	576.8	545.7	521.2	508.2	509.8
37.5°	576.1	574.1	588.7	614.3	647.8	663.1	637.1	601.7	576.8	568.1	573.7
40°	635.2	637.1	644.6	667.8	705.2	715.5	676.9	657.6	636.0	631.6	638.3
42.5°	694.2	693.0	698.6	719.4	746.7	739.5	716.7	705.2	689.9	681.2	690.3
45°	737.6	735.6	745.8	760.1	769.8	756.5	746.3	742.3	734.5	725.0	733.2
47.5°	779.7	778.1	788.0	791.9	792.7	775.0	777.0	784.1	764.4	744.6	754.1
50°	815.6	812.8	825.0	833.7	831.7	803.4	810.5	803.4	772.7	749.4	745.8
52.5°	875.5	876.6	889.6	905.4	900.7	877.0	866.8	834.5	795.1	774.2	762.0
55°	913.3	907.4	929.8	979.8	985.4	961.0	915.6	868.0	808.9	783.3	780.1
56°	877.8	885.3	920.8	976.7	1005.1	982.7	916.8	859.7	794.7	760.1	757.6
57.5°	787.6	783.7	831.7	908.2	985.4	975.9	884.6	800.6	725.0	686.0	681.2
60°	490.2	501.6	543.7	638.3	741.5	746.3	655.6	583.5	495.2	460.6	468.9
62.5°	191.9	182.0	208.4	279.0	349.8	365.7	331.4	275.4	226.1	191.9	189.5
65°	44.6	43.4	48.9	67.3	94.2	109.2	103.6	74.5	54.7	52.0	48.1
67.5°	25.2	25.2	24.0	24.0	26.4	28.0	26.8	26.4	27.6	28.7	28.3
70°	17.7	17.3	16.5	16.9	16.1	16.1	17.3	19.3	20.9	20.9	21.3
72.5°	10.6	10.6	10.6	11.8	11.8	11.8	13.0	14.6	15.0	14.6	14.2
75°	4.7	4.7	5.5	6.7	7.5	7.9	9.1	9.9	10.6	9.9	9.1
77.5°	1.2	1.2	2.0	2.7	3.5	4.3	5.9	7.1	7.5	7.1	5.9
80°	0.4	0.4	0.8	2.0	3.5	4.3	5.9	6.3	6.7	5.9	4.7
82.5°	0.4	0.4	0.8	2.0	2.7	3.5	4.7	5.5	5.9	5.1	4.7
85°	0.0	0.4	0.8	1.6	2.3	3.1	3.1	2.3	2.0	1.2	1.6
87.5°	0.0	0.0	0.4	0.4	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)