

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: P649686

Luminaire Tested: **GLAN-SA1A-835-U-RW-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P649686
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-7)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA1A-835-U-RW-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 3500K, 615mA LIGHTSQUARE WITH 16 LEDS AND RECTANGULAR WIDE OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2341.2 lumens
Efficiency: N/A
Efficacy: 70.9 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

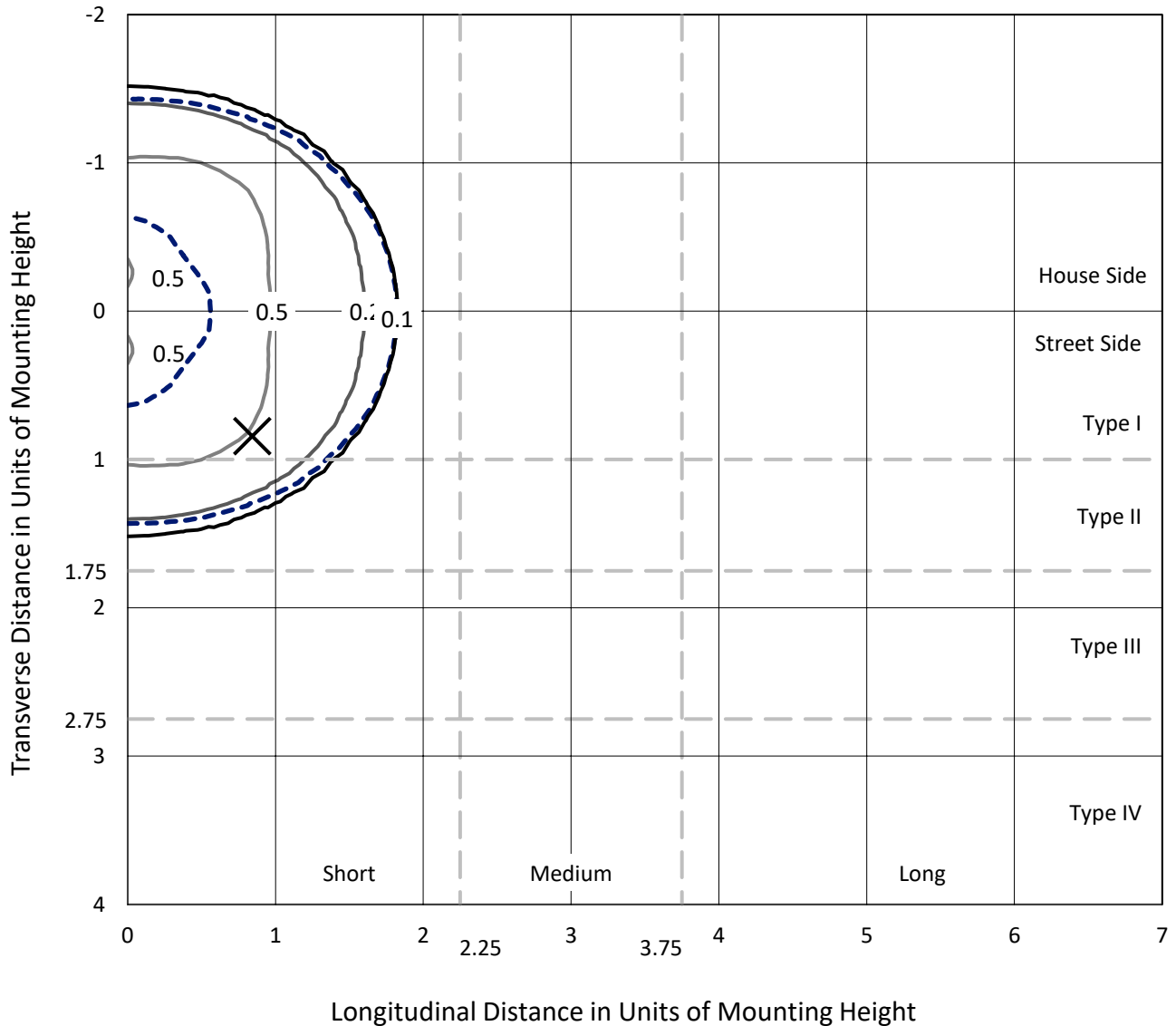
Input Watts (W): 33
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

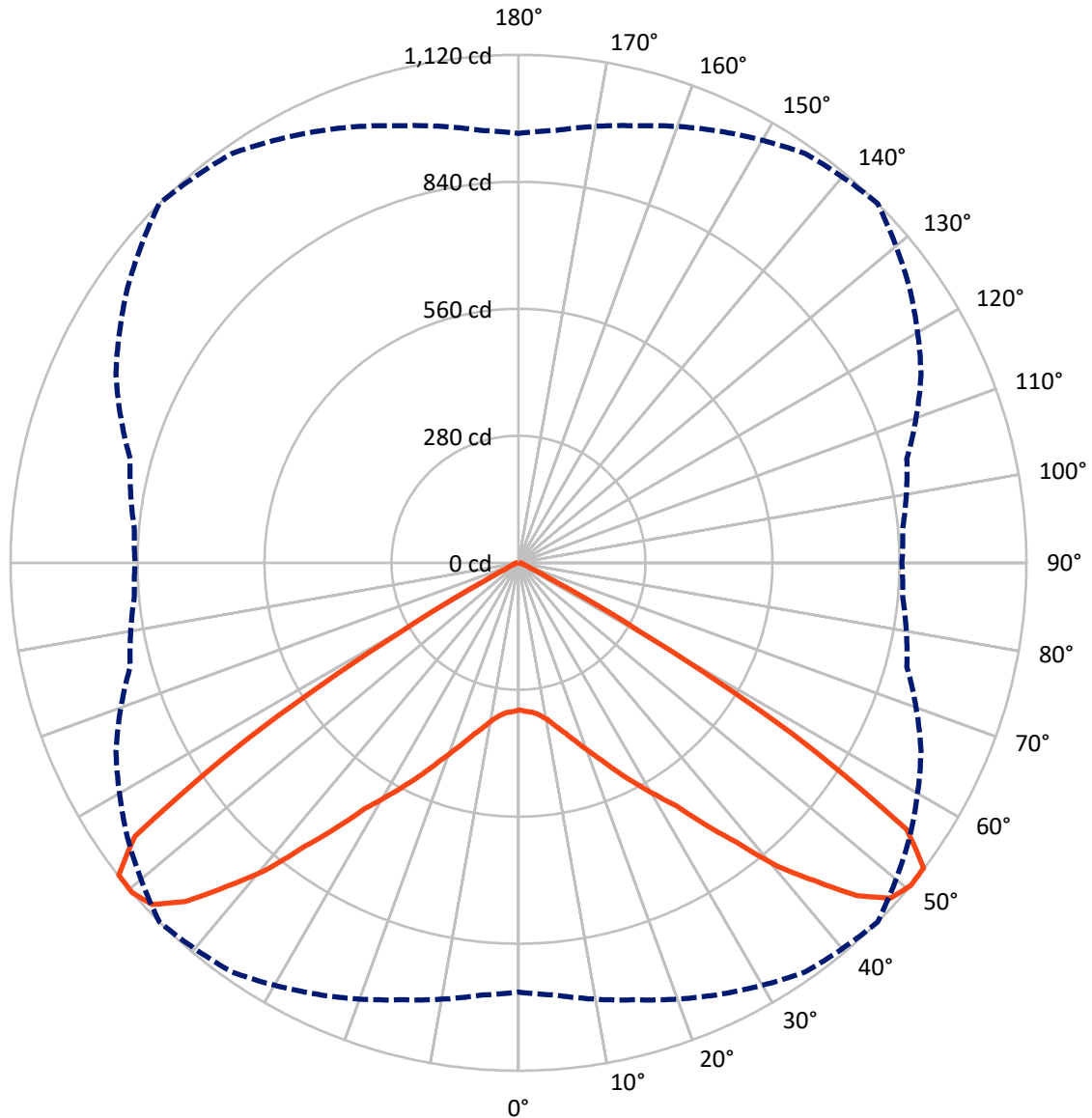
× Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 50-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1170.6	0.0	1170.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1170.6	0.0	1170.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	2341.2	0.0	2341.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	32.3	1.4
10°-20°	111.3	4.8
20°-30°	227.3	9.7
30°-40°	433.5	18.5
40°-50°	730.5	31.2
50°-60°	696.6	29.8
60°-70°	97.2	4.2
70°-80°	9.3	0.4
80°-90°	3.2	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°	2341.2	100.0
0°-180°	2341.2	100.0

Coefficient of Utilization



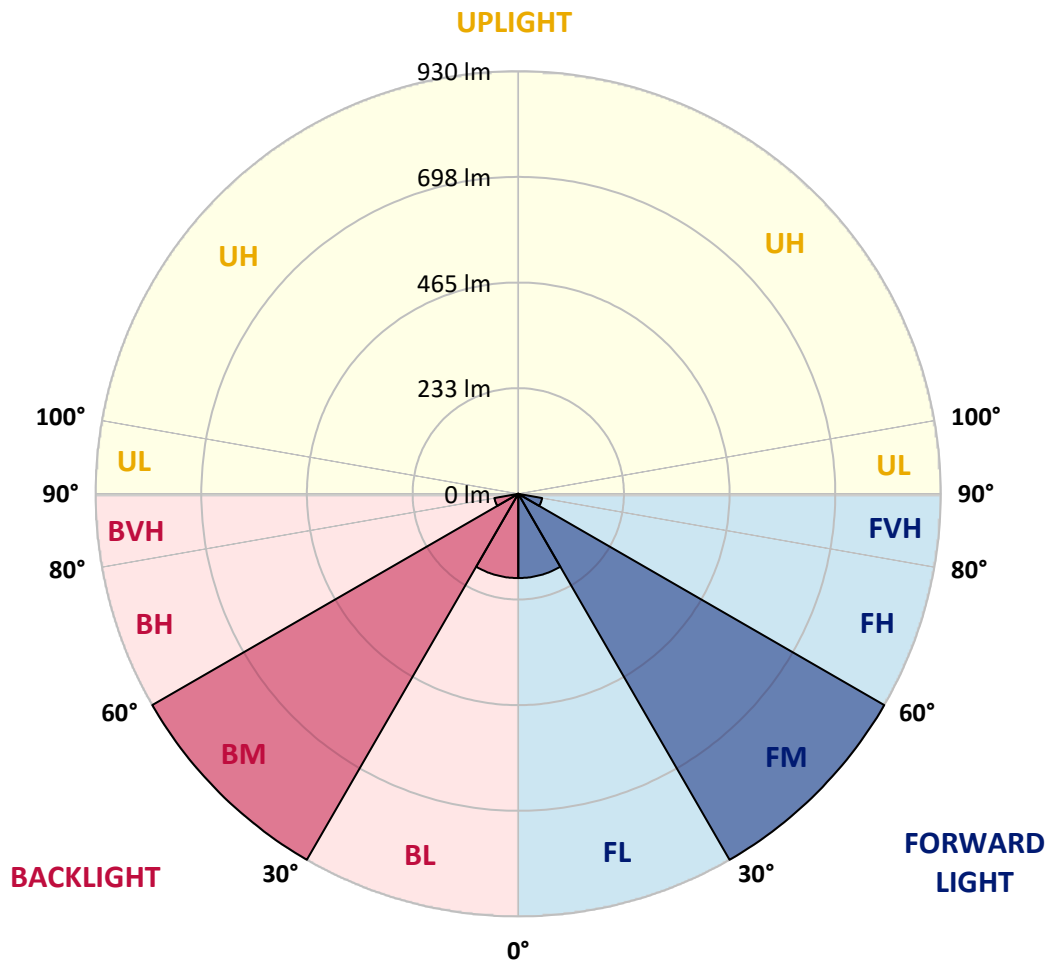
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	185.4	7.9			
FM (30°-60°)	930.3	39.7			
FH (60°-80°)	53.3	2.3			G0/660
FVH (80°-90°)	1.6	0.1			G0/10
BL (0°-30°)	185.4	7.9	B1/500		
BM (30°-60°)	930.3	39.7	B1/1000		
BH (60°-80°)	53.3	2.3	B0/110		G0/660
BVH (80°-90°)	1.6	0.1			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°	324.6	324.6	324.6	324.6	324.6	324.6	324.6	324.6	324.6	324.6	324.6
2.5°	323.4	323.4	323.0	326.1	324.6	328.2	327.8	328.9	330.1	329.7	332.9
5°	320.6	320.2	320.2	323.8	327.4	331.3	334.8	337.2	341.2	341.2	345.1
7.5°	323.4	321.4	324.2	325.7	332.5	339.1	345.1	349.8	358.8	362.0	360.8
10°	324.2	326.5	328.5	333.2	341.5	351.7	356.9	368.7	379.0	386.0	387.6
12.5°	329.3	332.9	338.3	349.8	357.3	370.7	377.7	389.2	403.3	411.2	416.7
15°	339.1	340.4	347.4	362.0	378.1	390.3	401.4	409.7	423.4	432.5	432.9
17.5°	351.7	356.9	366.8	380.5	397.5	415.5	424.2	433.3	438.4	450.6	453.4
20°	376.9	377.7	387.2	405.4	426.6	443.2	449.4	454.1	452.2	464.8	467.1
22.5°	400.6	401.4	413.2	437.6	460.5	474.7	477.4	474.7	468.8	477.8	478.6
25°	424.6	431.7	440.4	464.8	493.1	512.1	512.5	505.0	492.7	494.4	498.3
27.5°	462.0	467.1	476.2	498.7	529.8	551.1	547.6	538.5	522.7	523.9	522.7
30°	505.7	510.5	518.0	546.8	569.6	592.8	598.0	589.3	565.6	560.5	566.4
32.5°	558.6	565.2	579.0	605.4	624.8	638.9	642.5	639.3	617.2	615.3	619.2
35°	622.8	631.8	644.4	667.7	683.4	709.0	709.0	698.4	678.3	680.7	680.3
37.5°	690.5	703.9	723.6	747.2	768.5	782.3	778.0	768.9	748.8	743.7	748.8
40°	775.6	782.3	807.1	837.8	863.8	879.6	861.1	841.4	793.3	800.8	814.6
42.5°	853.2	863.8	882.8	916.6	946.2	959.2	937.1	898.1	840.2	834.3	844.5
45°	919.4	930.8	955.7	1004.0	1035.2	1046.6	997.8	934.7	868.6	853.6	857.9
47.5°	963.5	969.4	1004.0	1050.2	1078.5	1104.5	1034.4	960.0	882.0	853.6	852.0
50°	946.6	956.8	997.4	1049.8	1101.4	1119.8	1052.9	979.2	886.3	850.0	845.3
52.5°	840.6	858.3	903.6	974.1	1052.1	1118.3	1078.5	973.0	884.7	853.6	860.7
55°	585.0	585.4	640.5	744.5	882.4	1038.3	1041.1	980.0	895.0	875.6	876.0
57.5°	235.1	247.0	289.2	393.5	520.8	713.0	847.7	909.1	896.1	891.4	903.6
60°	59.5	59.9	72.9	111.1	183.1	305.7	444.0	600.7	691.7	722.8	727.2
62.5°	30.3	30.7	33.9	39.4	50.0	81.9	145.7	231.2	328.9	378.6	391.6
65°	24.8	24.8	26.8	29.5	29.9	31.5	37.8	53.9	78.4	89.0	90.2
67.5°	18.9	18.9	20.5	22.1	22.9	22.5	21.7	22.5	27.2	26.0	25.2
70°	11.8	12.2	13.0	14.6	15.3	15.7	16.1	16.9	19.3	20.1	19.3
72.5°	7.1	7.1	7.5	8.7	9.9	10.6	11.8	12.6	13.8	15.7	15.3
75°	3.1	3.1	3.9	5.1	6.3	7.5	8.7	9.9	10.6	11.8	12.2
77.5°	0.8	1.2	2.0	3.5	4.7	6.3	7.9	9.1	9.9	9.9	9.5
80°	0.4	0.4	1.6	2.7	5.1	6.7	8.7	9.5	10.6	9.9	8.7
82.5°	0.4	0.4	1.6	2.7	4.7	6.7	9.1	10.3	11.0	9.9	8.3
85°	0.0	0.4	1.2	2.3	3.9	4.7	3.9	2.7	1.6	1.6	1.2
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)