

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: P845781

Luminaire Tested: **GLAN-SB1A-835-U-5WQ**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P845781
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-1)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB1A-835-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 80 CRI, 3500K, 350mA LIGHTSQUARE WITH 26 LEDS AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3758 lumens
Efficiency: N/A
Efficacy: 121.6 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

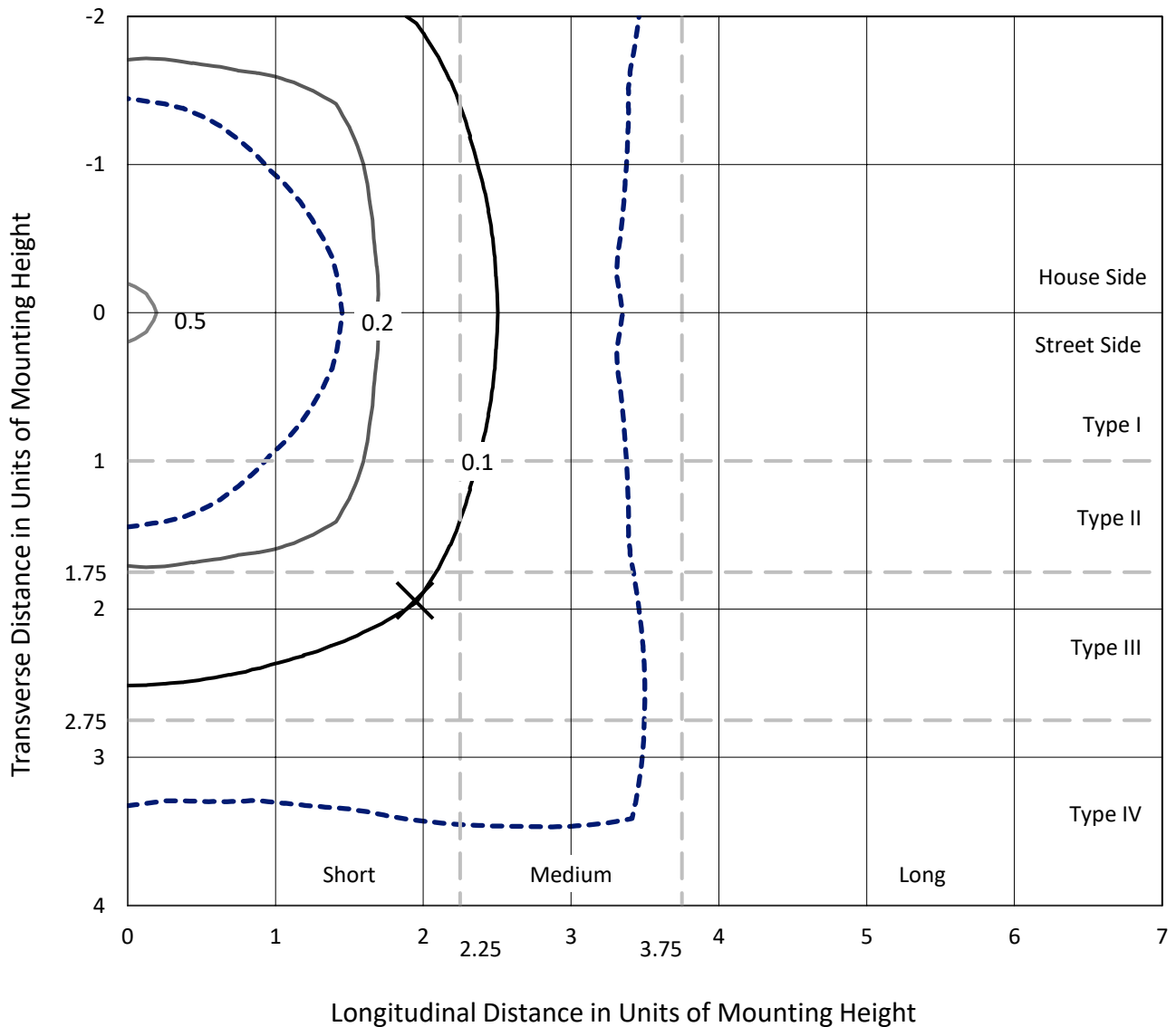
Input Watts (W): 30.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P845781
 CATALOG NUMBER: GLAN-SB1A-835-U-5WQ

Iso-Footcandle Lines of Horizontal Illumination

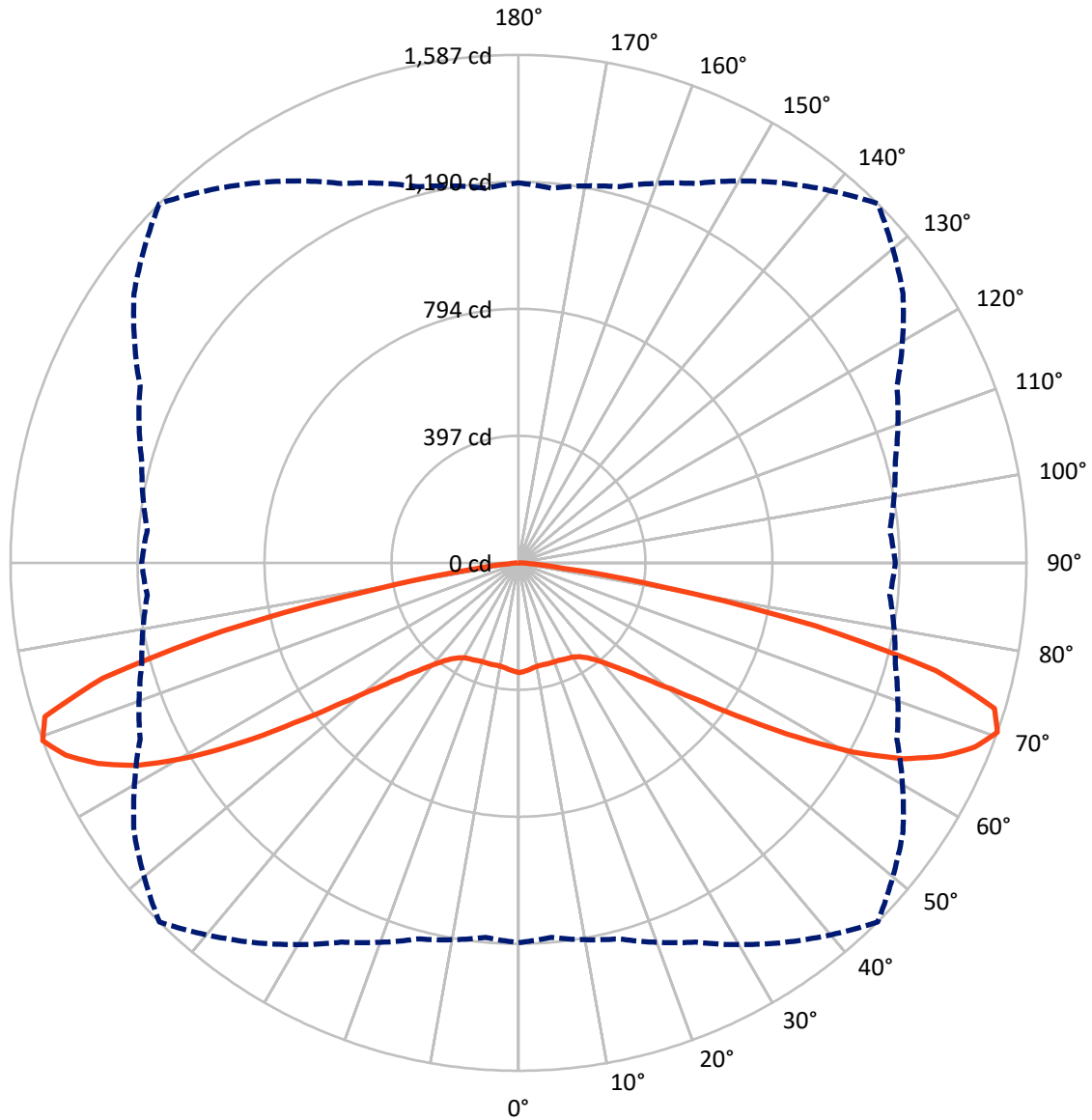
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.5 fc
 Type V - Short - N/A

REPORT NUMBER: P845781
CATALOG NUMBER: GLAN-SB1A-835-U-5WQ

Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

REPORT NUMBER: P845781
 CATALOG NUMBER: GLAN-SB1A-835-U-5WQ

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1879.0	0.0	1879.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1879.0	0.0	1879.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	3758.0	0.0	3758.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	31.9	0.8
10°-20°	93.6	2.5
20°-30°	155.8	4.1
30°-40°	235.6	6.3
40°-50°	391.6	10.4
50°-60°	738.9	19.7
60°-70°	1247.7	33.2
70°-80°	819.9	21.8
80°-90°	43.0	1.1
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°	3758.0	100.0
0°-180°	3758.0	100.0

Coefficient of Utilization



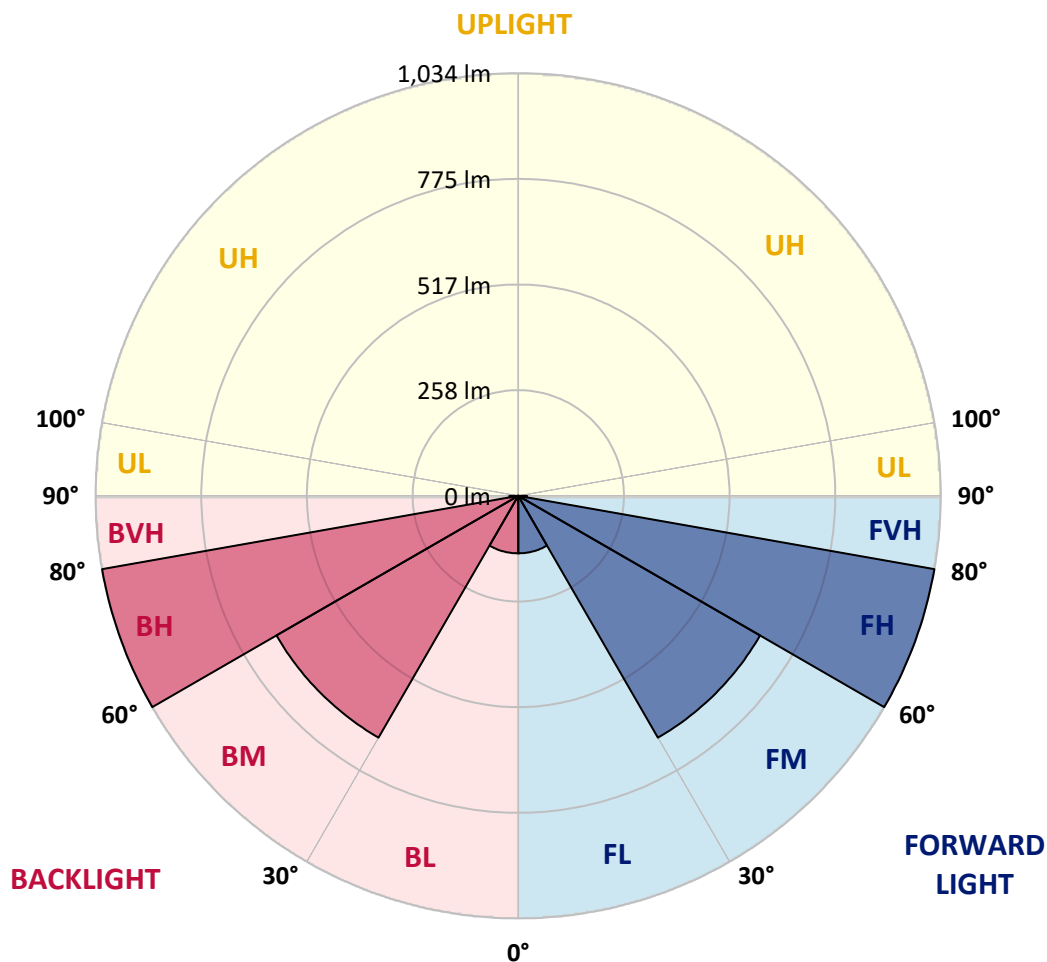
REPORT NUMBER: P845781
 CATALOG NUMBER: GLAN-SB1A-835-U-5WQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	140.7	3.7			
FM (30°-60°)	683.1	18.2			
FH (60°-80°)	1033.8	27.5			G1/1800
FVH (80°-90°)	21.5	0.6			G1/100
BL (0°-30°)	140.7	3.7	B1/500		
BM (30°-60°)	683.1	18.2	B1/1000		
BH (60°-80°)	1033.8	27.5	B3/2500		G1/1800
BVH (80°-90°)	21.5	0.6			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G1

Type V Short



REPORT NUMBER: P845781
 CATALOG NUMBER: GLAN-SB1A-835-U-5WQ

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	342.8	342.8	342.8	342.8	342.8	342.8	342.8	342.8	342.8	342.8
2.5°	340.7	341.6	341.2	340.5	340.5	339.9	340.5	340.9	341.4	341.8
5°	336.2	336.9	336.8	336.2	336.4	335.8	336.2	336.8	337.1	337.3
7.5°	332.3	333.0	332.6	331.7	331.7	331.1	331.3	331.9	332.5	332.6
10°	331.3	332.1	330.9	329.3	328.7	328.0	328.2	328.7	329.9	330.5
12.5°	331.7	332.3	331.1	328.7	328.2	327.4	327.4	328.0	329.5	330.3
15°	332.8	333.4	331.7	329.1	328.5	328.0	327.8	328.5	330.3	331.7
17.5°	335.0	335.6	332.8	329.3	328.5	328.7	328.5	329.1	331.9	334.4
20°	336.9	337.3	333.6	329.3	328.5	328.7	328.5	329.7	333.2	336.8
22.5°	337.5	337.9	334.4	330.7	330.1	330.3	330.1	331.3	334.6	338.1
25°	337.7	338.3	335.6	332.6	333.6	334.0	333.6	333.8	336.4	339.5
27.5°	340.7	341.4	338.9	336.4	336.9	336.8	337.3	337.9	339.9	343.0
30°	346.7	347.3	345.1	342.6	342.2	340.9	342.6	344.6	346.7	349.4
32.5°	356.7	357.8	355.1	352.4	350.6	349.8	351.2	354.5	357.5	360.4
35°	373.3	374.1	371.5	366.4	363.3	363.3	364.5	368.8	373.5	377.2
37.5°	396.7	397.7	393.2	387.1	382.5	382.5	384.0	388.5	395.5	400.8
40°	425.2	426.6	420.9	414.7	410.2	409.4	411.4	416.4	423.1	429.7
42.5°	459.6	461.2	453.8	448.3	444.8	444.8	445.7	450.4	456.5	464.7
45°	503.6	506.3	496.1	490.7	487.3	488.1	488.7	492.8	498.3	507.7
47.5°	555.9	558.6	547.9	542.2	541.7	545.4	543.0	545.9	548.9	559.6
50°	615.3	620.0	612.6	612.2	613.3	620.2	614.7	616.3	612.9	619.8
52.5°	688.0	694.8	693.4	695.8	708.9	722.9	710.4	704.9	692.4	694.6
55°	776.0	786.4	788.4	802.4	832.1	860.8	834.3	812.2	785.6	780.7
57.5°	876.3	884.5	893.8	922.5	978.0	1029.0	978.0	929.2	887.4	877.4
60°	984.1	994.2	1003.2	1045.6	1128.0	1199.7	1126.5	1048.9	993.6	980.2
62.5°	1099.9	1113.0	1119.2	1166.3	1262.4	1348.0	1263.8	1169.8	1108.5	1094.0
65°	1211.0	1221.8	1228.8	1279.0	1370.8	1456.6	1377.1	1284.5	1221.4	1202.5
67.5°	1262.8	1268.7	1285.9	1342.7	1439.6	1537.4	1456.0	1348.8	1278.2	1245.0
70°	1187.0	1175.1	1216.5	1307.5	1447.8	1587.1	1466.5	1304.8	1218.5	1164.6
72.5°	917.3	896.8	968.6	1124.3	1354.0	1555.4	1363.4	1133.1	1013.4	904.0
75°	499.1	475.8	575.1	771.9	1079.8	1348.2	1104.6	794.0	640.3	495.4
77.5°	140.8	132.0	212.1	373.5	649.5	946.6	674.5	381.7	251.6	149.2
80°	43.2	41.8	56.6	112.5	275.8	453.4	265.1	113.9	72.1	45.5
82.5°	25.6	23.4	28.1	41.0	70.3	142.4	68.4	42.8	34.4	23.0
85°	14.6	13.7	16.6	19.9	23.6	30.3	19.7	20.3	18.4	12.3
87.5°	6.1	5.5	6.4	6.3	5.5	7.0	5.3	6.3	7.4	4.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
342.8
341.6
337.3
332.6
330.5
330.5
331.9
334.4
336.9
338.1
339.3
342.2
348.9
359.2
375.8
398.9
427.6
464.1
507.3
556.5
615.7
687.4
773.1
870.4
968.4
1082.3
1193.1
1245.4
1177.5
931.1
527.6
165.8
48.1
25.0
12.9
4.5
0.0

OF REPORT)