

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: P848941

Luminaire Tested: **GLAN-SB5D-730-U-5WQ**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P848941
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-SB5D-730-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 70 CRI, 3000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 50226 lumens
Efficiency: N/A
Efficacy: 137.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G5

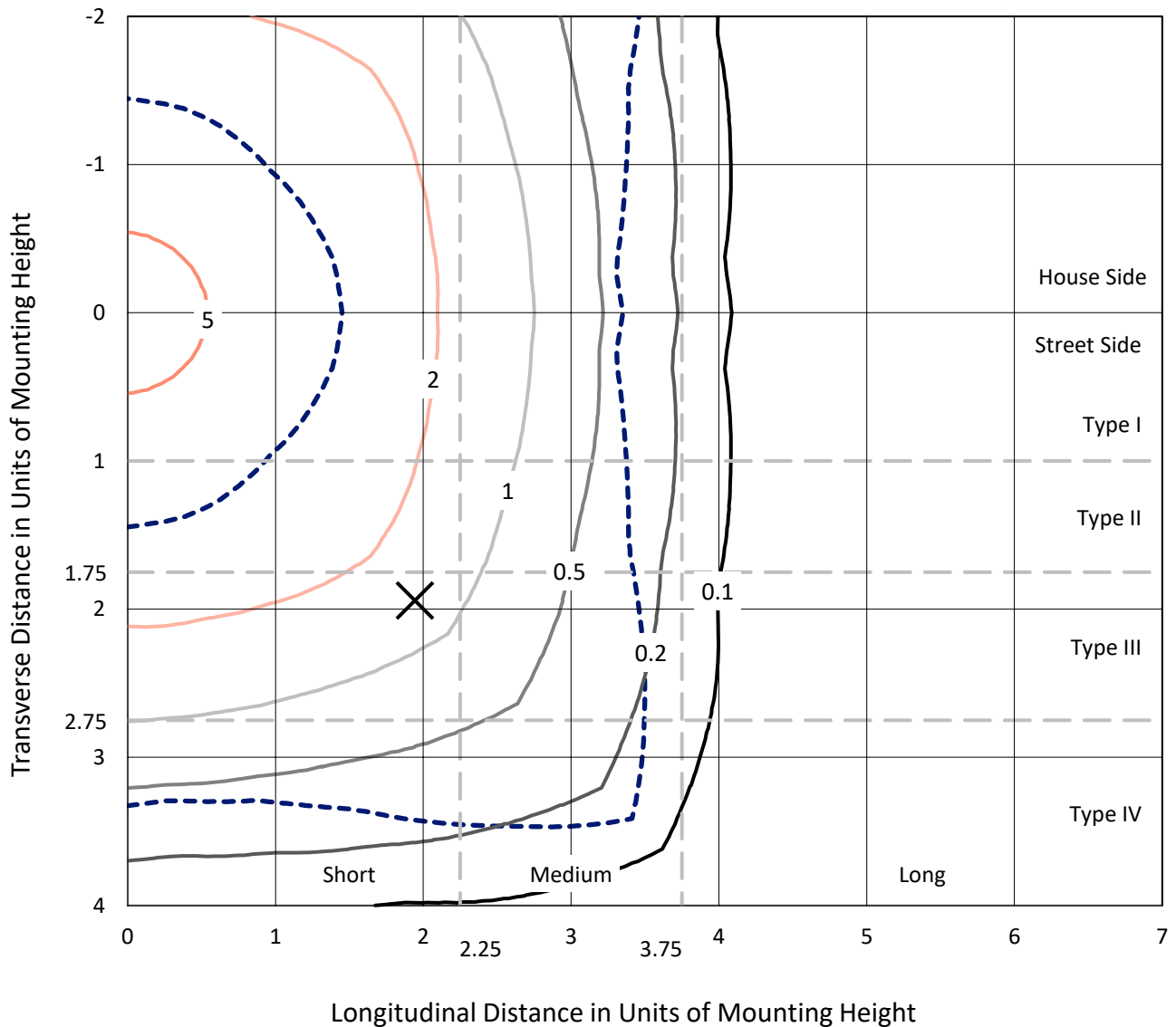
Input Watts (W): 364.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P848941
 CATALOG NUMBER: GLAN-SB5D-730-U-5WQ

Iso-Footcandle Lines of Horizontal Illumination

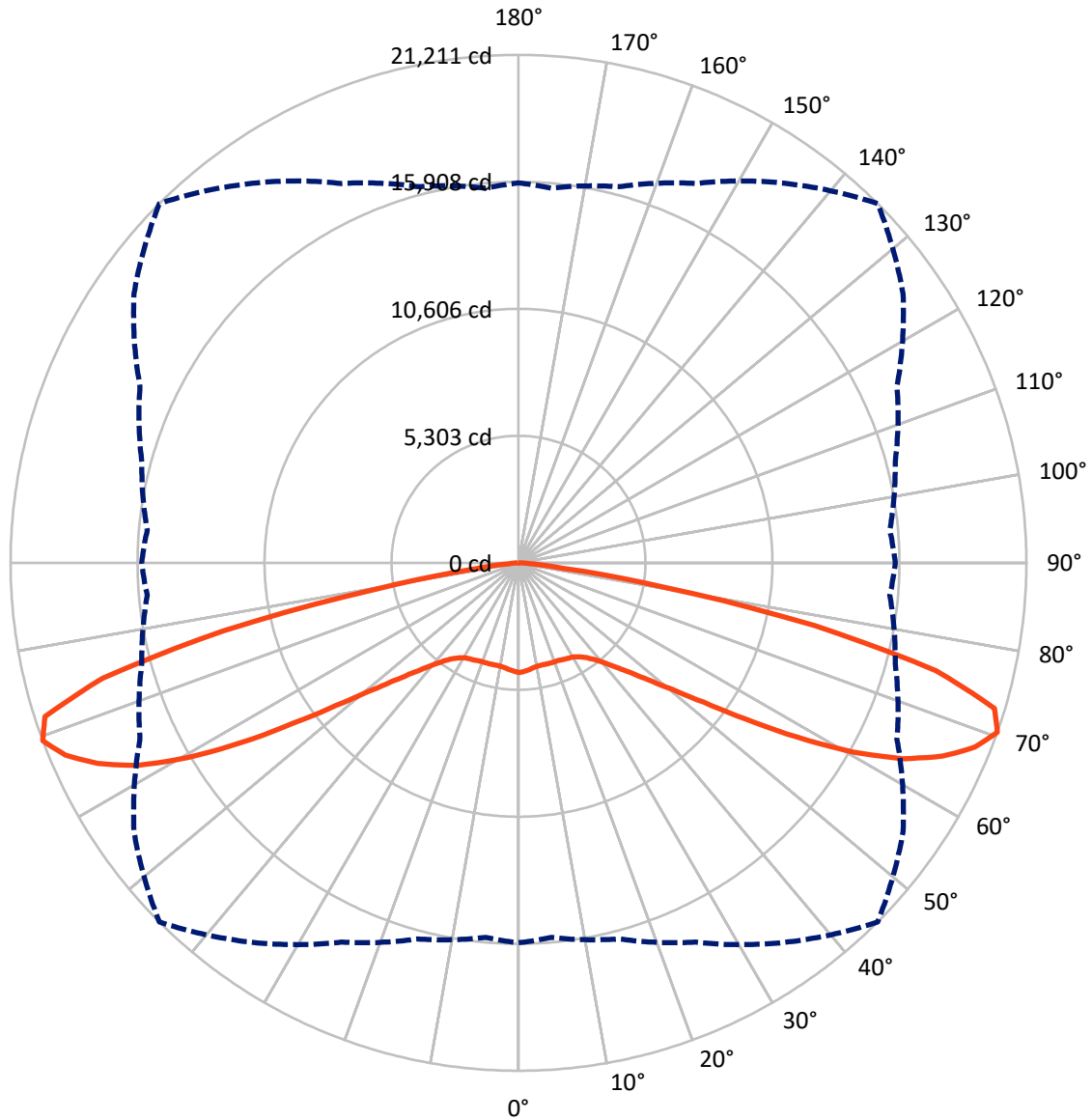
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.3 fc
 Type V - Short - N/A

REPORT NUMBER: P848941
CATALOG NUMBER: GLAN-SB5D-730-U-5WQ

Luminous Intensity Polar Plot



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

REPORT NUMBER: P848941
 CATALOG NUMBER: GLAN-SB5D-730-U-5WQ

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	25113.0	0.0	25113.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	25113.0	0.0	25113.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	50226.0	0.0	50226.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	426.2	0.8
10°-20°	1251.4	2.5
20°-30°	2082.5	4.1
30°-40°	3149.4	6.3
40°-50°	5233.6	10.4
50°-60°	9875.7	19.7
60°-70°	16675.5	33.2
70°-80°	10957.5	21.8
80°-90°	574.1	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°	50226.0	100.0
0°-180°	50226.0	100.0

Coefficient of Utilization



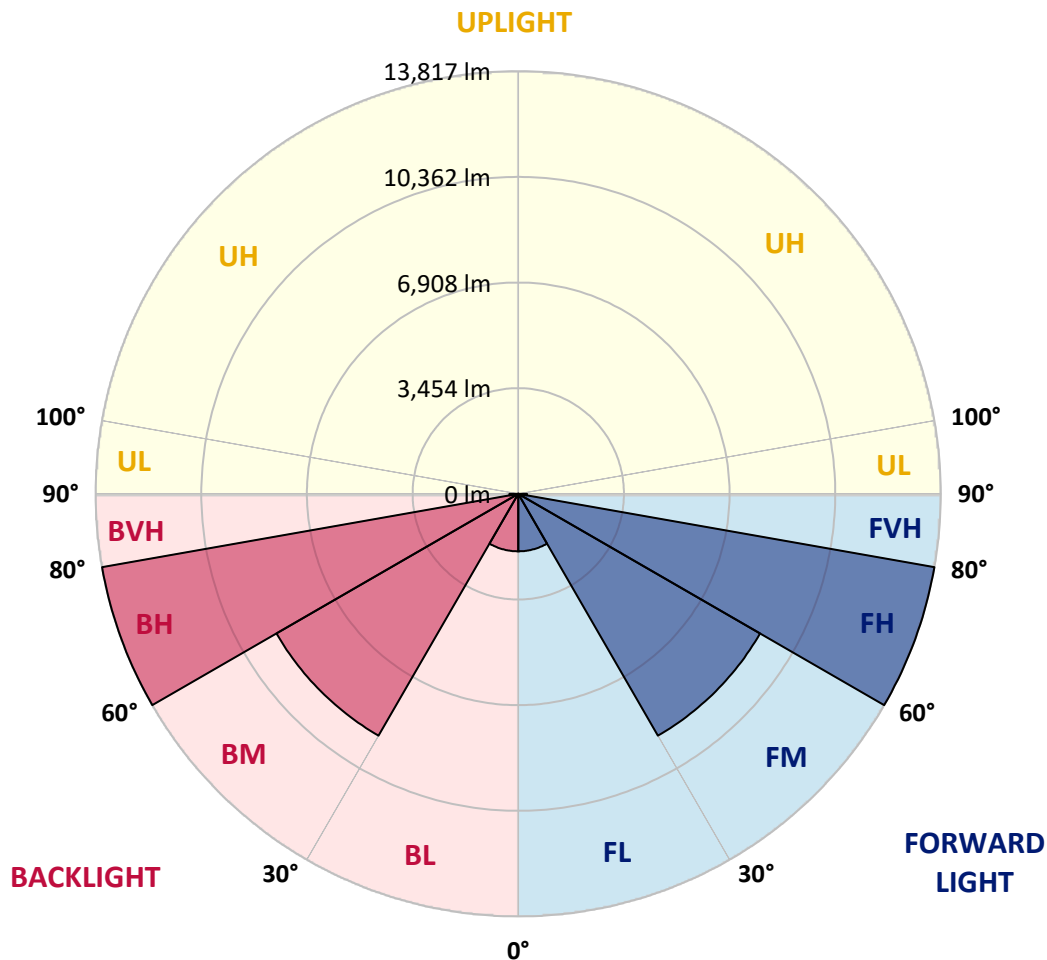
REPORT NUMBER: P848941
 CATALOG NUMBER: GLAN-SB5D-730-U-5WQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1880.1	3.7			
FM (30°-60°)	9129.4	18.2			
FH (60°-80°)	13816.5	27.5			G5
FVH (80°-90°)	287.0	0.6			G3/500
BL (0°-30°)	1880.1	3.7	B3/2500		
BM (30°-60°)	9129.4	18.2	B5		
BH (60°-80°)	13816.5	27.5	B5		G5
BVH (80°-90°)	287.0	0.6			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G5

Type V Short



REPORT NUMBER: P848941
 CATALOG NUMBER: GLAN-SB5D-730-U-5WQ

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	4581.6	4581.6	4581.6	4581.6	4581.6	4581.6	4581.6	4581.6	4581.6	4581.6
2.5°	4552.9	4566.0	4560.7	4550.3	4550.3	4542.5	4550.3	4555.5	4563.3	4568.6
5°	4492.9	4503.3	4500.7	4492.9	4495.5	4487.6	4492.9	4500.7	4505.9	4508.5
7.5°	4440.6	4451.1	4445.9	4432.8	4432.8	4425.0	4427.6	4435.4	4443.3	4445.9
10°	4427.6	4438.0	4422.4	4401.5	4393.7	4383.2	4385.8	4393.7	4409.3	4417.2
12.5°	4432.8	4440.6	4425.0	4393.7	4385.8	4375.4	4375.4	4383.2	4404.1	4414.5
15°	4448.5	4456.3	4432.8	4398.9	4391.0	4383.2	4380.6	4391.0	4414.5	4432.8
17.5°	4477.2	4485.0	4448.5	4401.5	4391.0	4393.7	4391.0	4398.9	4435.4	4469.4
20°	4503.3	4508.5	4458.9	4401.5	4391.0	4393.7	4391.0	4406.7	4453.7	4500.7
22.5°	4511.1	4516.4	4469.4	4419.8	4411.9	4414.5	4411.9	4427.6	4472.0	4519.0
25°	4513.7	4521.6	4485.0	4445.9	4458.9	4464.1	4458.9	4461.5	4495.5	4537.2
27.5°	4552.9	4563.3	4529.4	4495.5	4503.3	4500.7	4508.5	4516.4	4542.5	4584.2
30°	4633.8	4641.7	4612.9	4579.0	4573.8	4555.5	4579.0	4605.1	4633.8	4670.4
32.5°	4767.0	4782.6	4746.1	4709.5	4686.0	4675.6	4693.9	4738.3	4777.4	4816.6
35°	4988.9	4999.3	4965.4	4897.5	4855.7	4855.7	4871.4	4928.8	4991.5	5041.1
37.5°	5302.2	5315.2	5255.2	5174.2	5111.6	5111.6	5132.5	5192.5	5286.5	5357.0
40°	5683.3	5701.6	5625.9	5542.3	5482.3	5471.8	5497.9	5565.8	5654.6	5743.3
42.5°	6142.8	6163.7	6064.4	5991.4	5944.4	5944.4	5957.4	6020.1	6101.0	6210.6
45°	6730.2	6766.7	6631.0	6557.9	6513.5	6523.9	6531.7	6586.6	6659.7	6785.0
47.5°	7429.8	7466.3	7322.8	7247.1	7239.2	7288.8	7257.5	7296.7	7335.8	7479.4
50°	8223.4	8286.1	8186.9	8181.7	8197.3	8288.7	8215.6	8236.5	8192.1	8283.5
52.5°	9194.6	9285.9	9267.7	9299.0	9473.9	9661.9	9494.8	9421.7	9254.6	9283.3
55°	10372.0	10510.3	10536.4	10724.4	11121.2	11505.0	11149.9	10854.9	10499.9	10434.6
57.5°	11711.2	11820.8	11946.2	12329.9	13071.3	13752.7	13071.3	12418.7	11860.0	11726.9
60°	13152.3	13288.0	13408.1	13974.6	15076.3	16034.4	15055.4	14019.0	13280.2	13100.0
62.5°	14700.4	14875.3	14958.8	15588.0	16872.4	18015.8	16890.7	15634.9	14815.2	14622.0
65°	16185.8	16329.4	16423.4	17094.3	18321.3	19467.3	18404.8	17167.4	16324.2	16070.9
67.5°	16877.6	16955.9	17185.7	17945.3	19240.2	20548.1	19459.5	18026.3	17083.8	16640.0
70°	15864.7	15705.4	16258.9	17475.4	19349.8	21211.2	19600.5	17438.9	16285.0	15564.5
72.5°	12259.4	11985.3	12946.0	15026.7	18096.8	20788.3	18222.1	15144.2	13543.9	12081.9
75°	6670.1	6359.4	7685.6	10317.1	14431.5	18018.4	14763.0	10612.1	8557.6	6620.5
77.5°	1882.3	1764.8	2835.1	4991.5	8680.3	12651.0	9014.4	5101.1	3362.5	1994.5
80°	576.9	558.7	757.1	1503.7	3686.2	6059.2	3542.6	1522.0	963.3	608.3
82.5°	342.0	313.3	375.9	548.2	939.8	1903.1	913.7	571.7	459.5	308.1
85°	195.8	182.7	221.9	266.3	315.9	404.6	263.7	271.5	245.4	164.5
87.5°	80.9	73.1	86.2	83.5	73.1	94.0	70.5	83.5	99.2	65.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
4581.6
4566.0
4508.5
4445.9
4417.2
4417.2
4435.4
4469.4
4503.3
4519.0
4534.6
4573.8
4662.6
4800.9
5022.8
5330.9
5714.6
6202.8
6779.8
7437.6
8228.6
9186.7
10332.8
11632.9
12943.4
14465.4
15945.6
16645.3
15736.8
12444.8
7051.3
2216.4
642.2
334.2
172.3
60.0
0.0

OF REPORT)