

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: P848361

Luminaire Tested: **GLAN-SB4D-927-U-5WQ**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P848361
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-SB4D-927-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 90 CRI, 2700K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 26566 lumens
Efficiency: N/A
Efficacy: 90.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

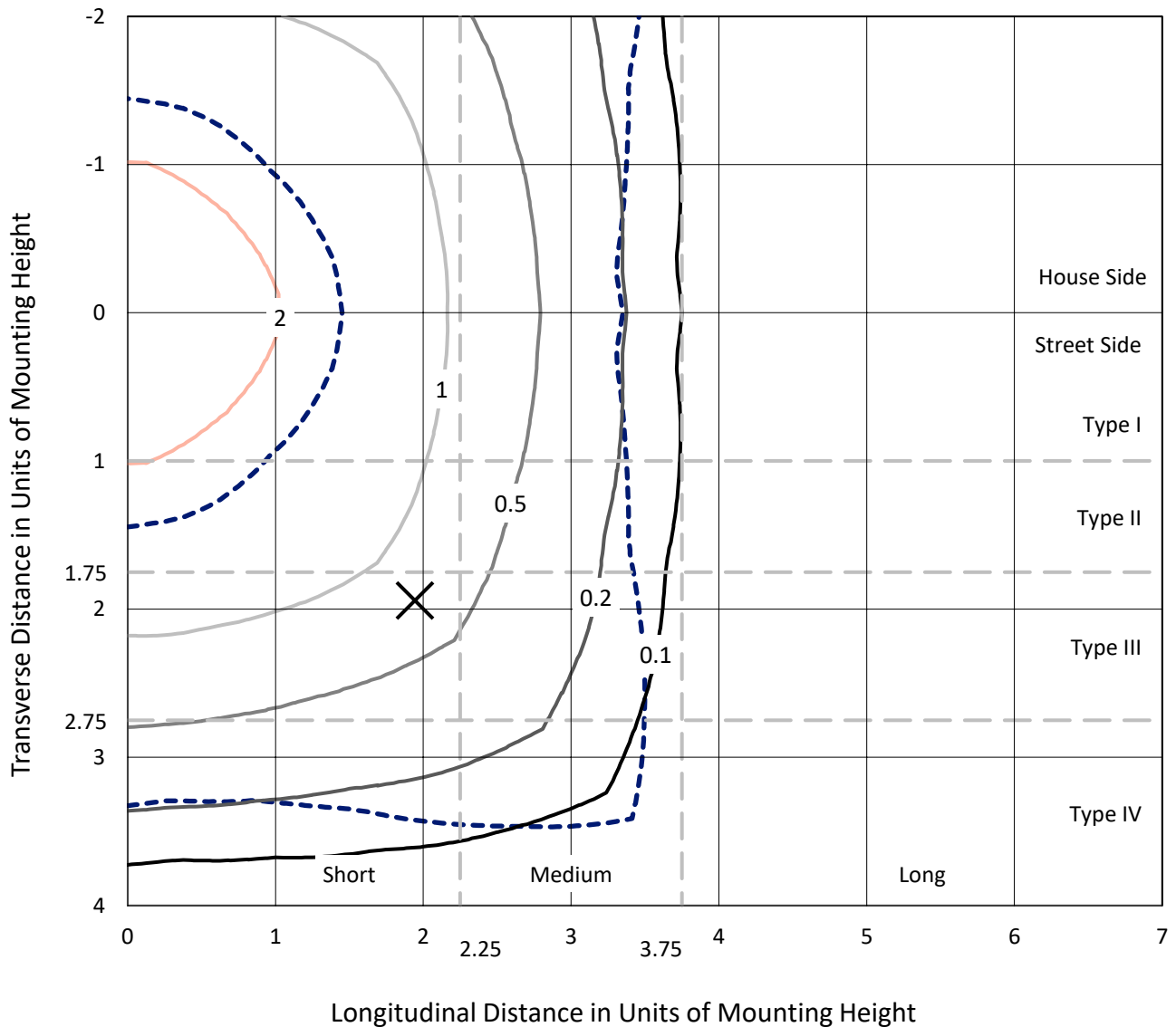
Input Watts (W): 293.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P848361
 CATALOG NUMBER: GLAN-SB4D-927-U-5WQ

Iso-Footcandle Lines of Horizontal Illumination

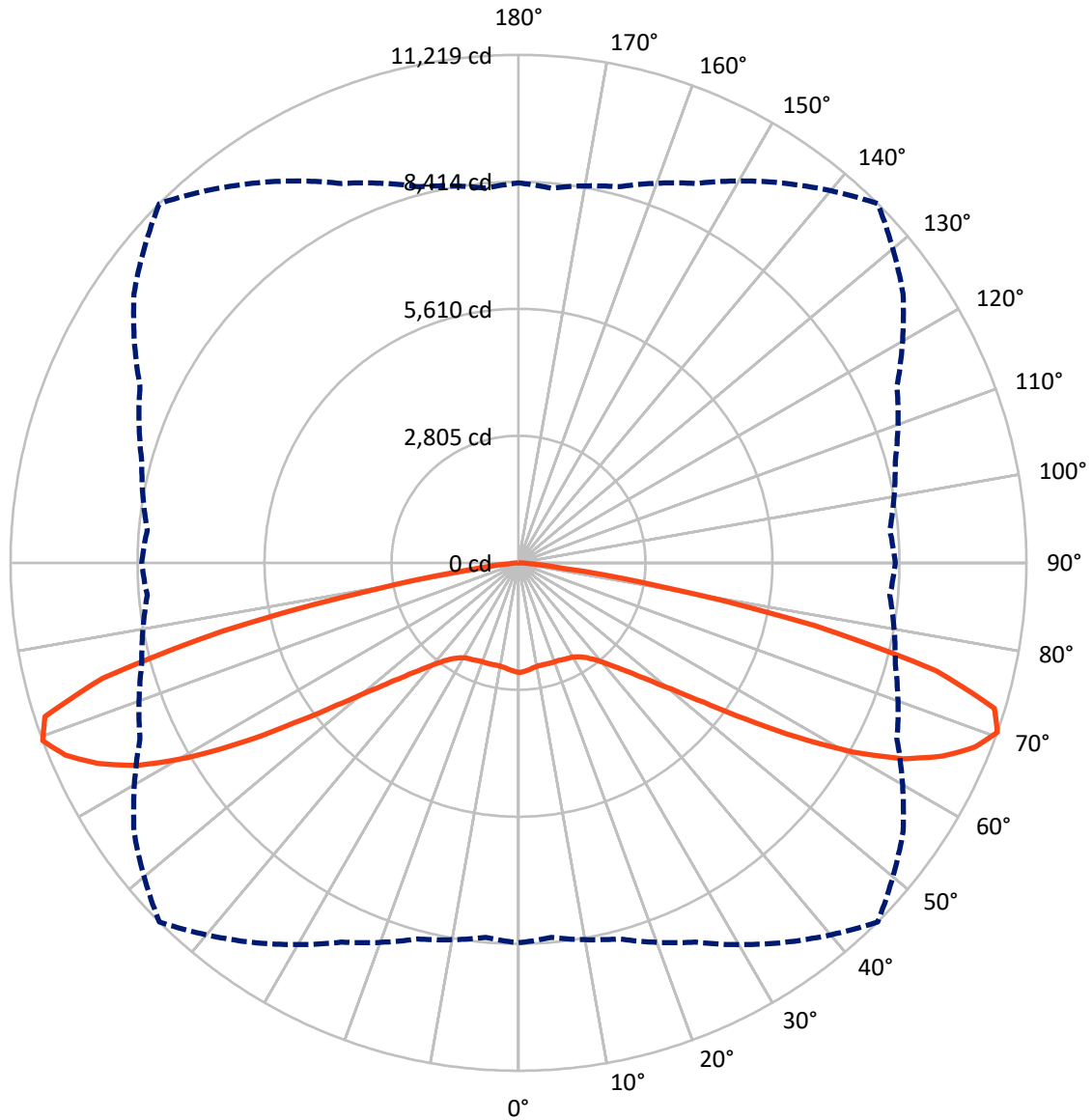
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.9 fc
 Type V - Short - N/A

REPORT NUMBER: P848361
CATALOG NUMBER: GLAN-SB4D-927-U-5WQ

Luminous Intensity Polar Plot



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

REPORT NUMBER: P848361
 CATALOG NUMBER: GLAN-SB4D-927-U-5WQ

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	13283.0	0.0	13283.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	13283.0	0.0	13283.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	26566.0	0.0	26566.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	225.4	0.8
10°-20°	661.9	2.5
20°-30°	1101.5	4.1
30°-40°	1665.8	6.3
40°-50°	2768.2	10.4
50°-60°	5223.5	19.7
60°-70°	8820.1	33.2
70°-80°	5795.8	21.8
80°-90°	303.6	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°	26566.0	100.0
0°-180°	26566.0	100.0

Coefficient of Utilization



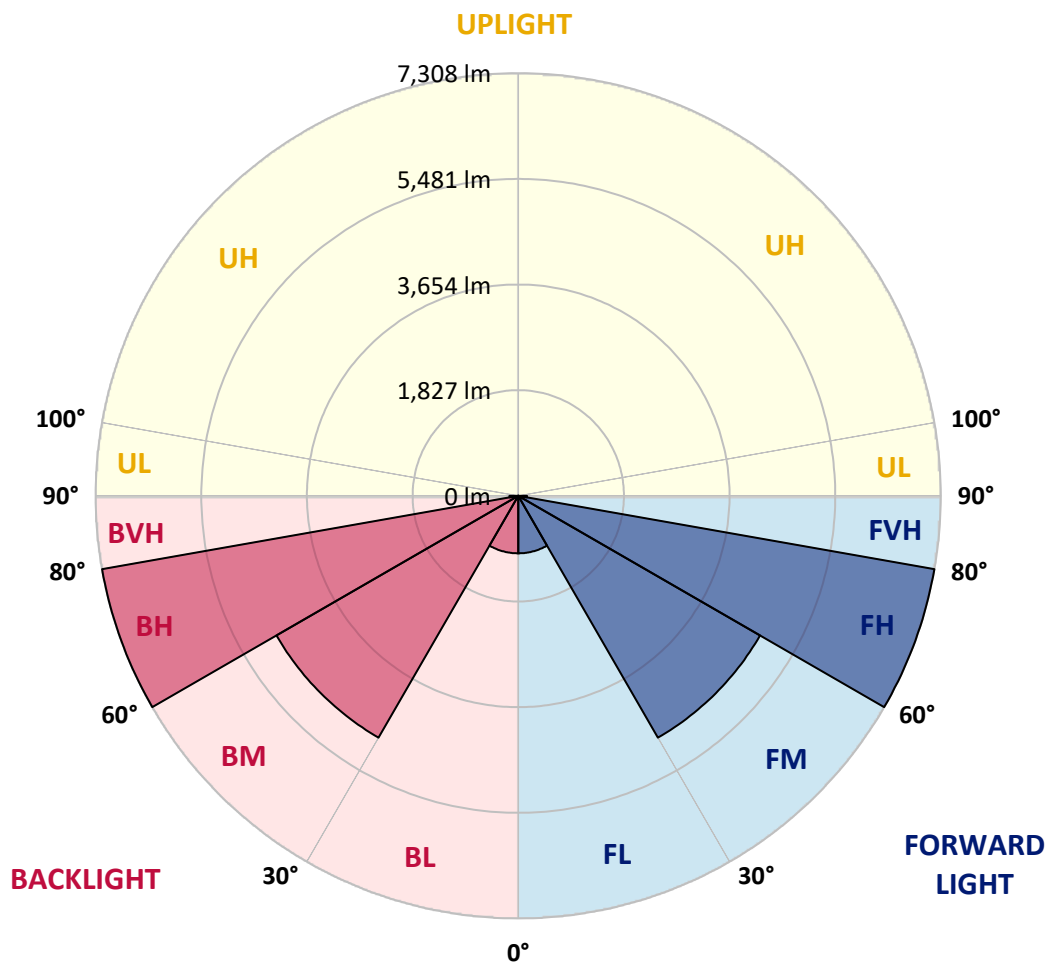
REPORT NUMBER: P848361
 CATALOG NUMBER: GLAN-SB4D-927-U-5WQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	994.4	3.7			
FM (30°-60°)	4828.8	18.2			
FH (60°-80°)	7307.9	27.5			G3/7500
FVH (80°-90°)	151.8	0.6			G2/225
BL (0°-30°)	994.4	3.7	B2/1000		
BM (30°-60°)	4828.8	18.2	B3/5000		
BH (60°-80°)	7307.9	27.5	B5		G3/7500
BVH (80°-90°)	151.8	0.6			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G3

Type V Short



REPORT NUMBER: P848361
 CATALOG NUMBER: GLAN-SB4D-927-U-5WQ

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	2423.4	2423.4	2423.4	2423.4	2423.4	2423.4	2423.4	2423.4	2423.4	2423.4
2.5°	2408.2	2415.1	2412.3	2406.8	2406.8	2402.6	2406.8	2409.5	2413.7	2416.4
5°	2376.4	2381.9	2380.5	2376.4	2377.8	2373.6	2376.4	2380.5	2383.3	2384.7
7.5°	2348.8	2354.3	2351.6	2344.6	2344.6	2340.5	2341.9	2346.0	2350.2	2351.6
10°	2341.9	2347.4	2339.1	2328.1	2323.9	2318.4	2319.8	2323.9	2332.2	2336.4
12.5°	2344.6	2348.8	2340.5	2323.9	2319.8	2314.3	2314.3	2318.4	2329.5	2335.0
15°	2352.9	2357.1	2344.6	2326.7	2322.6	2318.4	2317.0	2322.6	2335.0	2344.6
17.5°	2368.1	2372.3	2352.9	2328.1	2322.6	2323.9	2322.6	2326.7	2346.0	2364.0
20°	2381.9	2384.7	2358.5	2328.1	2322.6	2323.9	2322.6	2330.8	2355.7	2380.5
22.5°	2386.1	2388.8	2364.0	2337.7	2333.6	2335.0	2333.6	2341.9	2365.4	2390.2
25°	2387.5	2391.6	2372.3	2351.6	2358.5	2361.2	2358.5	2359.8	2377.8	2399.9
27.5°	2408.2	2413.7	2395.7	2377.8	2381.9	2380.5	2384.7	2388.8	2402.6	2424.7
30°	2451.0	2455.1	2439.9	2422.0	2419.2	2409.5	2422.0	2435.8	2451.0	2470.3
32.5°	2521.4	2529.7	2510.3	2491.0	2478.6	2473.1	2482.7	2506.2	2526.9	2547.6
35°	2638.8	2644.3	2626.3	2590.4	2568.3	2568.3	2576.6	2607.0	2640.1	2666.4
37.5°	2804.5	2811.4	2779.6	2736.8	2703.7	2703.7	2714.7	2746.5	2796.2	2833.5
40°	3006.1	3015.7	2975.7	2931.5	2899.7	2894.2	2908.0	2943.9	2990.9	3037.8
42.5°	3249.1	3260.1	3207.7	3169.0	3144.1	3144.1	3151.1	3184.2	3227.0	3285.0
45°	3559.8	3579.1	3507.3	3468.6	3445.2	3450.7	3454.8	3483.8	3522.5	3588.8
47.5°	3929.8	3949.2	3873.2	3833.2	3829.0	3855.3	3838.7	3859.4	3880.1	3956.1
50°	4349.6	4382.7	4330.3	4327.5	4335.8	4384.1	4345.5	4356.5	4333.0	4381.4
52.5°	4863.3	4911.6	4901.9	4918.5	5011.0	5110.4	5022.1	4983.4	4895.0	4910.2
55°	5486.0	5559.2	5573.0	5672.4	5882.3	6085.3	5897.5	5741.5	5553.7	5519.2
57.5°	6194.4	6252.4	6318.7	6521.7	6913.8	7274.2	6913.8	6568.6	6273.1	6202.7
60°	6956.6	7028.4	7091.9	7391.6	7974.3	8481.0	7963.2	7415.0	7024.3	6929.0
62.5°	7775.4	7868.0	7912.1	8244.9	8924.3	9529.1	8934.0	8269.8	7836.2	7734.0
65°	8561.1	8637.1	8686.8	9041.7	9690.7	10296.8	9734.8	9080.3	8634.3	8500.4
67.5°	8927.1	8968.5	9090.0	9491.8	10176.7	10868.5	10292.7	9534.6	9036.1	8801.4
70°	8391.3	8307.1	8599.8	9243.3	10234.7	11219.2	10367.3	9223.9	8613.6	8232.5
72.5°	6484.4	6339.4	6847.5	7948.0	9571.9	10995.5	9638.2	8010.2	7163.7	6390.5
75°	3528.0	3363.7	4065.2	5457.0	7633.2	9530.5	7808.6	5613.1	4526.4	3501.8
77.5°	995.6	933.4	1499.6	2640.1	4591.3	6691.5	4768.0	2698.1	1778.5	1055.0
80°	305.2	295.5	400.4	795.4	1949.7	3204.9	1873.8	805.0	509.5	321.7
82.5°	180.9	165.7	198.8	290.0	497.1	1006.6	483.3	302.4	243.0	162.9
85°	103.6	96.7	117.4	140.8	167.1	214.0	139.5	143.6	129.8	87.0
87.5°	42.8	38.7	45.6	44.2	38.7	49.7	37.3	44.2	52.5	34.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
2423.4
2415.1
2384.7
2351.6
2336.4
2336.4
2346.0
2364.0
2381.9
2390.2
2398.5
2419.2
2466.2
2539.3
2656.7
2819.7
3022.6
3280.8
3586.0
3934.0
4352.4
4859.1
5465.3
6153.0
6846.1
7651.2
8434.1
8804.2
8323.6
6582.4
3729.6
1172.3
339.7
176.7
91.1
31.8
0.0

OF REPORT)