

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: P848681

Luminaire Tested: **GLAN-SB5B-840-U-5WQ**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P848681
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-SB5B-840-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 80 CRI, 4000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 25587 lumens
Efficiency: N/A
Efficacy: 140.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

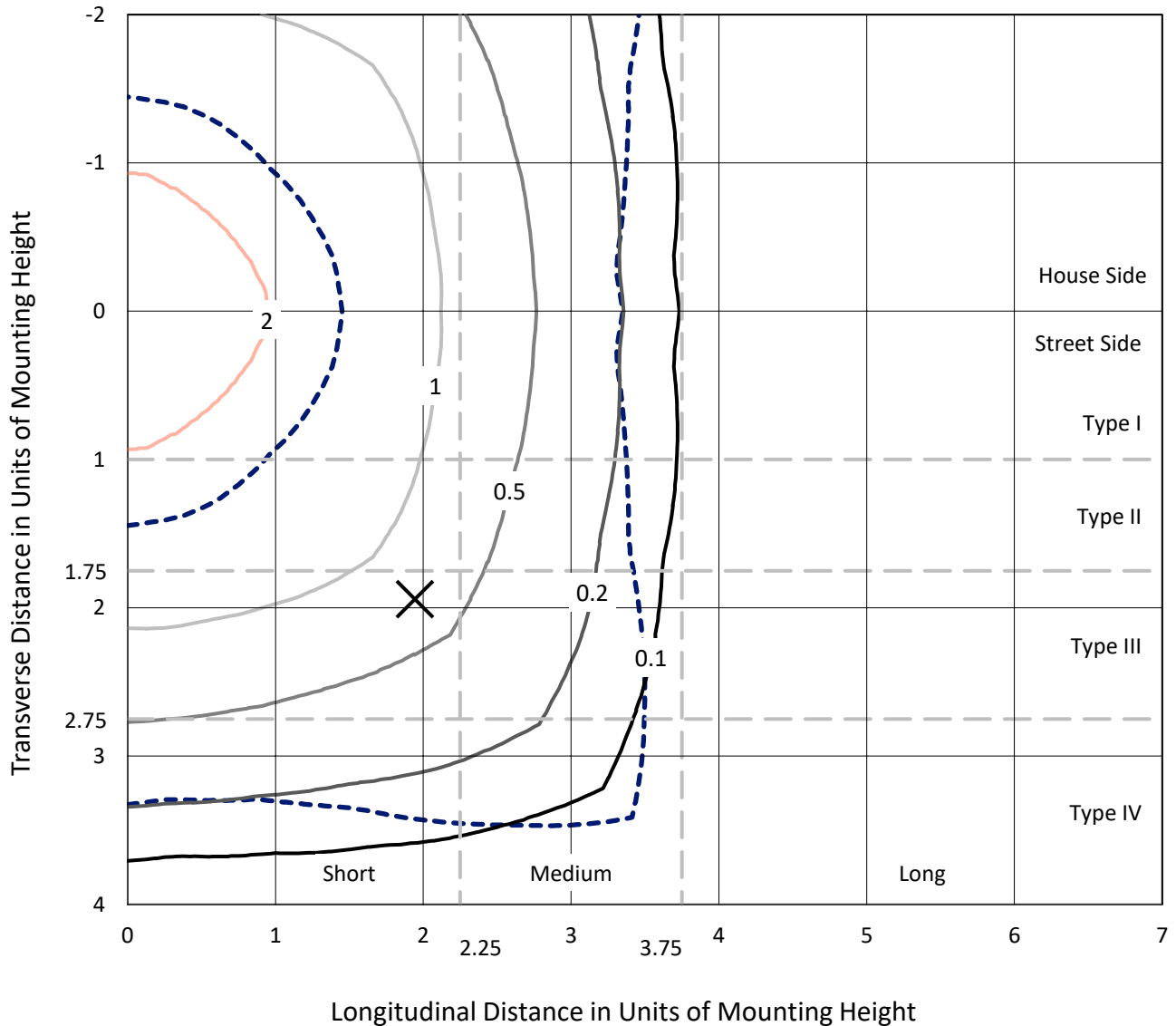
Input Watts (W): 182.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P848681
 CATALOG NUMBER: GLAN-SB5B-840-U-5WQ

Iso-Footcandle Lines of Horizontal Illumination

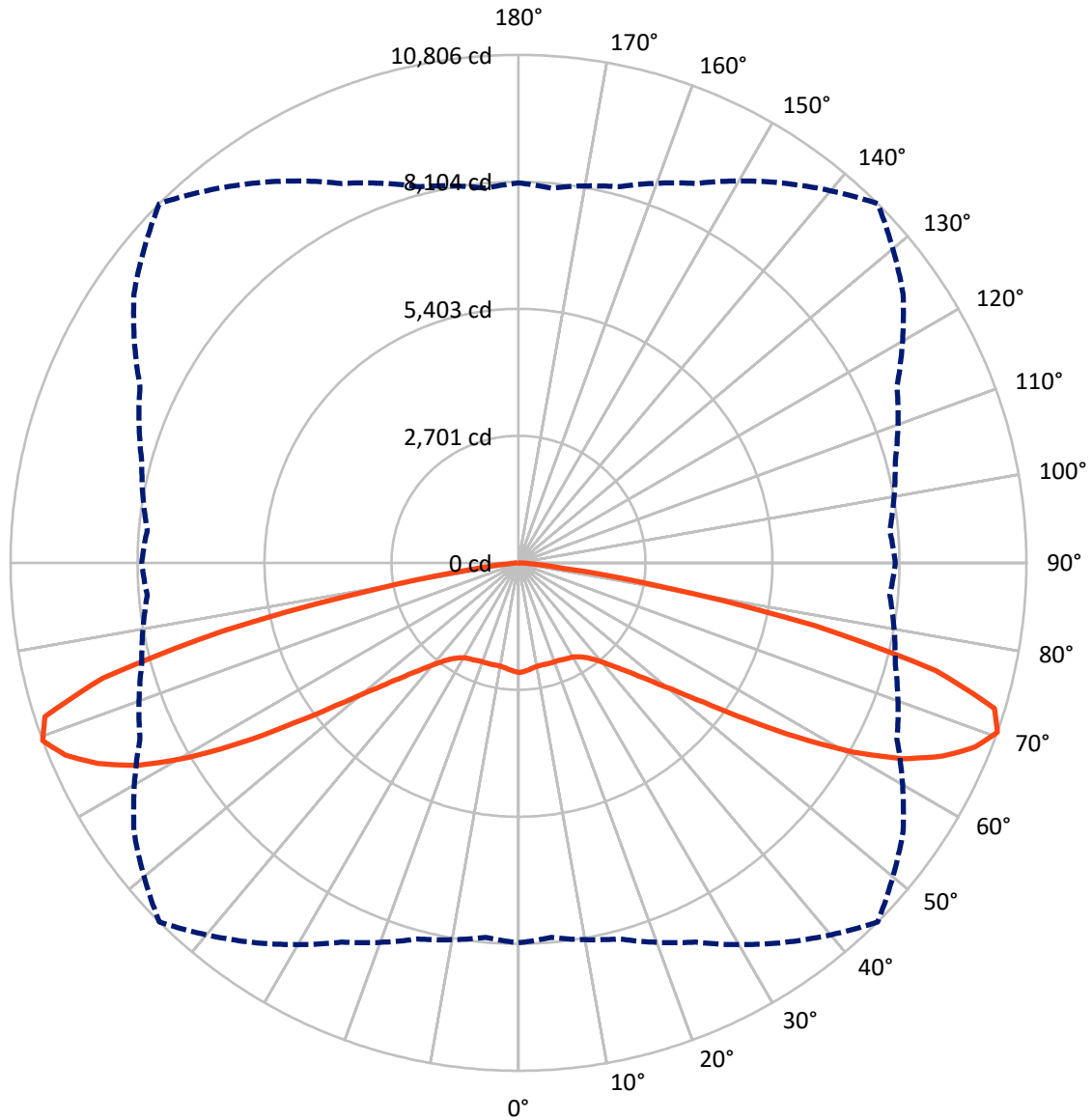
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.7 fc
 Type V - Short - N/A

REPORT NUMBER: P848681
CATALOG NUMBER: GLAN-SB5B-840-U-5WQ

Luminous Intensity Polar Plot



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

REPORT NUMBER: P848681
 CATALOG NUMBER: GLAN-SB5B-840-U-5WQ

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	12793.5	0.0	12793.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	12793.5	0.0	12793.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	25587.0	0.0	25587.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	217.1	0.8
10°-20°	637.5	2.5
20°-30°	1060.9	4.1
30°-40°	1604.4	6.3
40°-50°	2666.2	10.4
50°-60°	5031.0	19.7
60°-70°	8495.1	33.2
70°-80°	5582.2	21.8
80°-90°	292.4	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°	25587.0	100.0
0°-180°	25587.0	100.0

Coefficient of Utilization



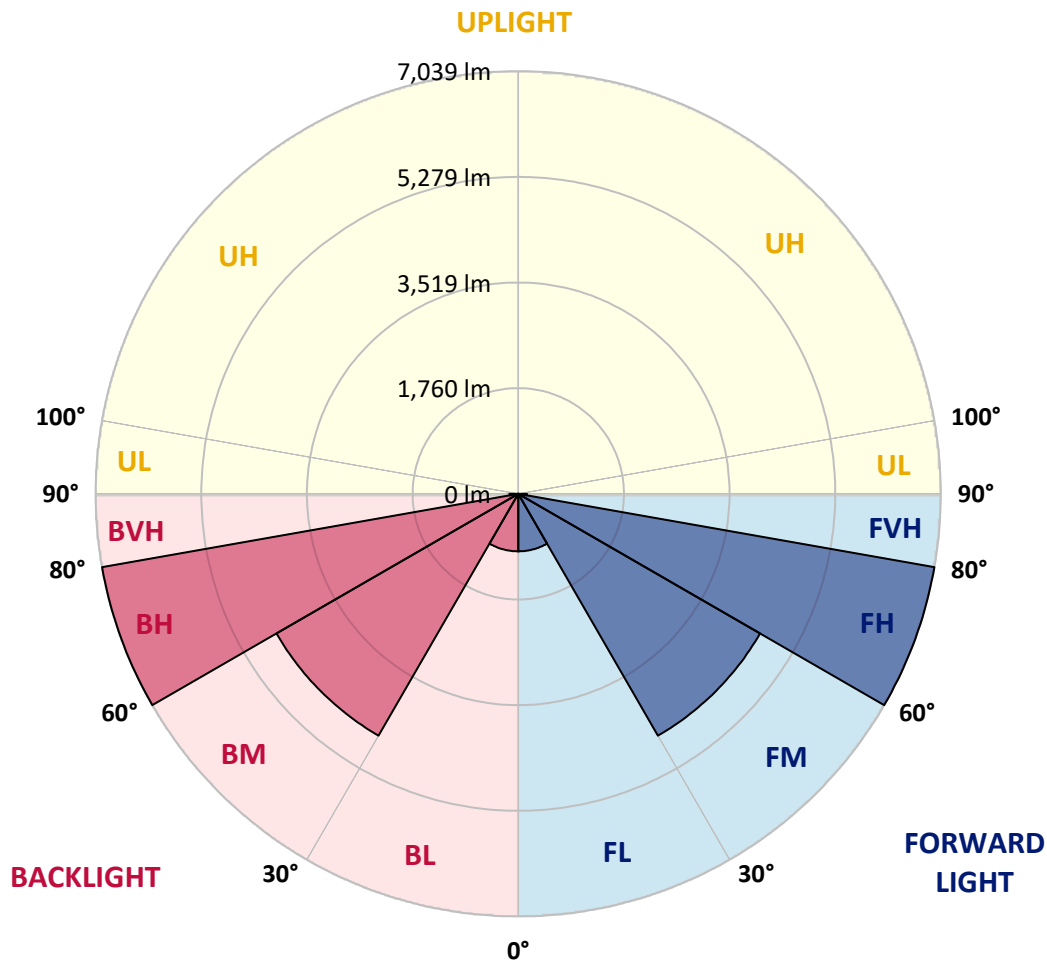
REPORT NUMBER: P848681
 CATALOG NUMBER: GLAN-SB5B-840-U-5WQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	957.8	3.7			
FM (30°-60°)	4650.8	18.2			
FH (60°-80°)	7038.6	27.5			G3/7500
FVH (80°-90°)	146.2	0.6			G2/225
BL (0°-30°)	957.8	3.7	B2/1000		
BM (30°-60°)	4650.8	18.2	B3/5000		
BH (60°-80°)	7038.6	27.5	B5		G3/7500
BVH (80°-90°)	146.2	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: P848681
 CATALOG NUMBER: GLAN-SB5B-840-U-5WQ

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	2334.0	2334.0	2334.0	2334.0	2334.0	2334.0	2334.0	2334.0	2334.0	2334.0
2.5°	2319.4	2326.1	2323.4	2318.1	2318.1	2314.1	2318.1	2320.8	2324.7	2327.4
5°	2288.8	2294.2	2292.8	2288.8	2290.2	2286.2	2288.8	2292.8	2295.5	2296.8
7.5°	2262.2	2267.6	2264.9	2258.2	2258.2	2254.3	2255.6	2259.6	2263.6	2264.9
10°	2255.6	2260.9	2252.9	2242.3	2238.3	2233.0	2234.3	2238.3	2246.3	2250.3
12.5°	2258.2	2262.2	2254.3	2238.3	2234.3	2229.0	2229.0	2233.0	2243.6	2248.9
15°	2266.2	2270.2	2258.2	2241.0	2237.0	2233.0	2231.6	2237.0	2248.9	2258.2
17.5°	2280.9	2284.8	2266.2	2242.3	2237.0	2238.3	2237.0	2241.0	2259.6	2276.9
20°	2294.2	2296.8	2271.5	2242.3	2237.0	2238.3	2237.0	2244.9	2268.9	2292.8
22.5°	2298.1	2300.8	2276.9	2251.6	2247.6	2248.9	2247.6	2255.6	2278.2	2302.1
25°	2299.5	2303.5	2284.8	2264.9	2271.5	2274.2	2271.5	2272.9	2290.2	2311.4
27.5°	2319.4	2324.7	2307.5	2290.2	2294.2	2292.8	2296.8	2300.8	2314.1	2335.4
30°	2360.6	2364.6	2350.0	2332.7	2330.1	2320.8	2332.7	2346.0	2360.6	2379.3
32.5°	2428.5	2436.5	2417.8	2399.2	2387.2	2381.9	2391.2	2413.8	2433.8	2453.7
35°	2541.5	2546.8	2529.6	2495.0	2473.7	2473.7	2481.7	2510.9	2542.9	2568.1
37.5°	2701.1	2707.8	2677.2	2635.9	2604.0	2604.0	2614.7	2645.3	2693.1	2729.0
40°	2895.3	2904.6	2866.0	2823.5	2792.9	2787.6	2800.9	2835.4	2880.7	2925.9
42.5°	3129.4	3140.0	3089.5	3052.2	3028.3	3028.3	3034.9	3066.8	3108.1	3163.9
45°	3428.6	3447.2	3378.1	3340.8	3318.2	3323.5	3327.5	3355.4	3392.7	3456.5
47.5°	3785.0	3803.6	3730.5	3691.9	3687.9	3713.2	3697.2	3717.2	3737.1	3810.3
50°	4189.3	4221.2	4170.7	4168.0	4176.0	4222.6	4185.3	4196.0	4173.4	4219.9
52.5°	4684.1	4730.6	4721.3	4737.3	4826.4	4922.1	4837.0	4799.8	4714.6	4729.3
55°	5283.9	5354.3	5367.6	5463.4	5665.6	5861.1	5680.2	5529.9	5349.0	5315.8
57.5°	5966.1	6022.0	6085.8	6281.3	6659.0	7006.1	6659.0	6326.5	6041.9	5974.1
60°	6700.3	6769.4	6830.6	7119.2	7680.4	8168.5	7669.8	7141.8	6765.4	6673.7
62.5°	7488.9	7578.0	7620.6	7941.1	8595.4	9177.9	8604.7	7965.0	7547.4	7449.0
65°	8245.6	8318.8	8366.7	8708.5	9333.5	9917.4	9376.1	8745.7	8316.1	8187.1
67.5°	8598.1	8638.0	8755.0	9142.0	9801.7	10468.0	9913.4	9183.3	8703.1	8477.1
70°	8082.1	8000.9	8282.9	8902.6	9857.5	10805.8	9985.2	8884.0	8296.2	7929.1
72.5°	6245.4	6105.8	6595.2	7655.2	9219.2	10590.3	9283.0	7715.0	6899.7	6155.0
75°	3398.0	3239.7	3915.4	5255.9	7351.9	9179.3	7520.8	5406.2	4359.6	3372.7
77.5°	958.9	899.0	1444.3	2542.9	4422.1	6444.9	4592.3	2598.7	1713.0	1016.1
80°	293.9	284.6	385.7	766.0	1877.9	3086.8	1804.7	775.4	490.7	309.9
82.5°	174.2	159.6	191.5	279.3	478.8	969.5	465.5	291.3	234.1	156.9
85°	99.7	93.1	113.0	135.7	160.9	206.1	134.3	138.3	125.0	83.8
87.5°	41.2	37.2	43.9	42.6	37.2	47.9	35.9	42.6	50.5	33.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
2334.0
2326.1
2296.8
2264.9
2250.3
2250.3
2259.6
2276.9
2294.2
2302.1
2310.1
2330.1
2375.3
2445.8
2558.8
2715.7
2911.2
3159.9
3453.9
3789.0
4192.0
4680.1
5263.9
5926.2
6593.9
7369.2
8123.3
8479.7
8016.9
6339.8
3592.2
1129.1
327.2
170.2
87.8
30.6
0.0

OF REPORT)