

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: P847661

Luminaire Tested: **GLAN-SB3D-840-U-5WQ**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P847661
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-SB3D-840-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 80 CRI, 4000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 27465 lumens
Efficiency: N/A
Efficacy: 125.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

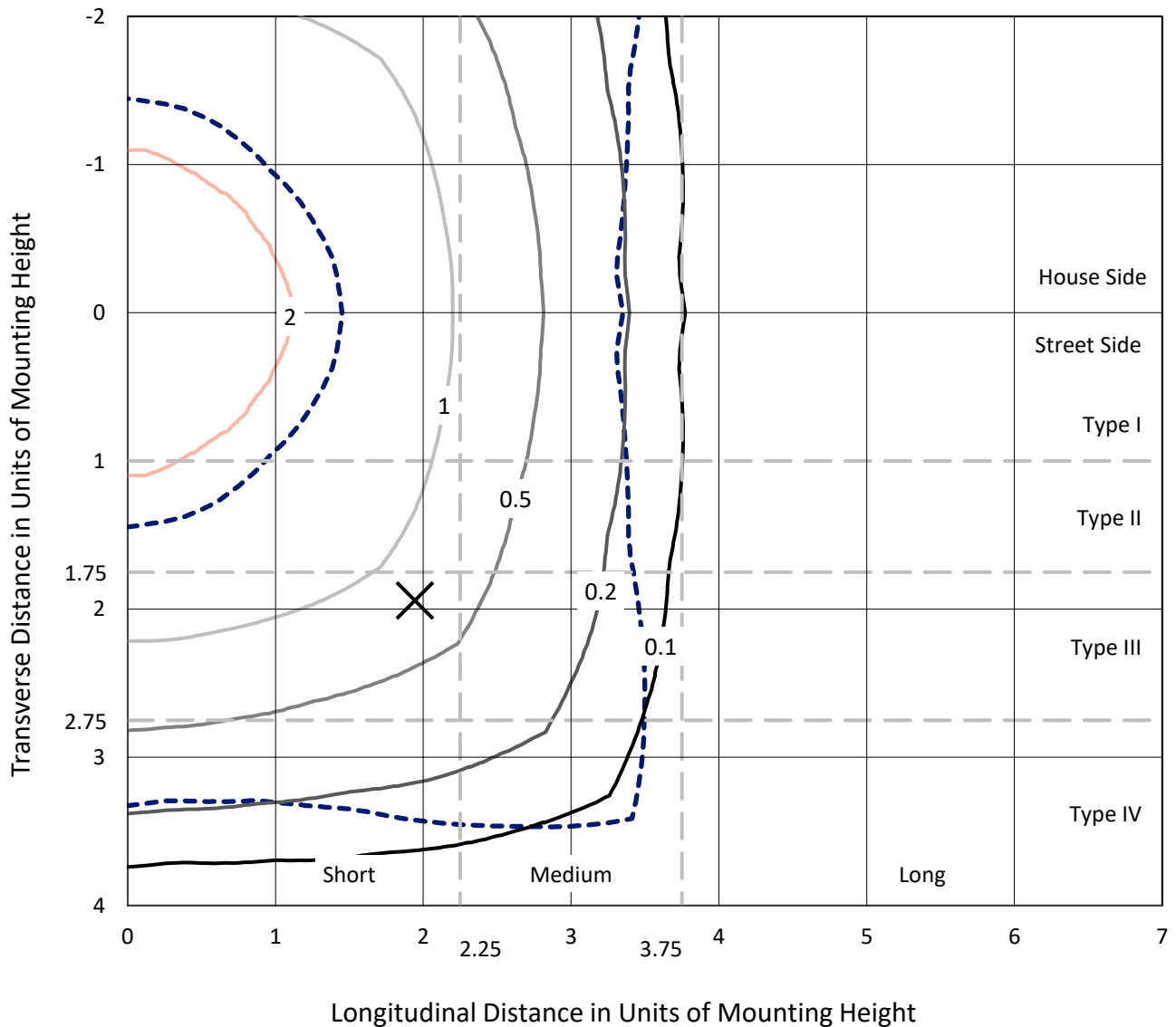
Input Watts (W): 218.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P847661
 CATALOG NUMBER: GLAN-SB3D-840-U-5WQ

Iso-Footcandle Lines of Horizontal Illumination

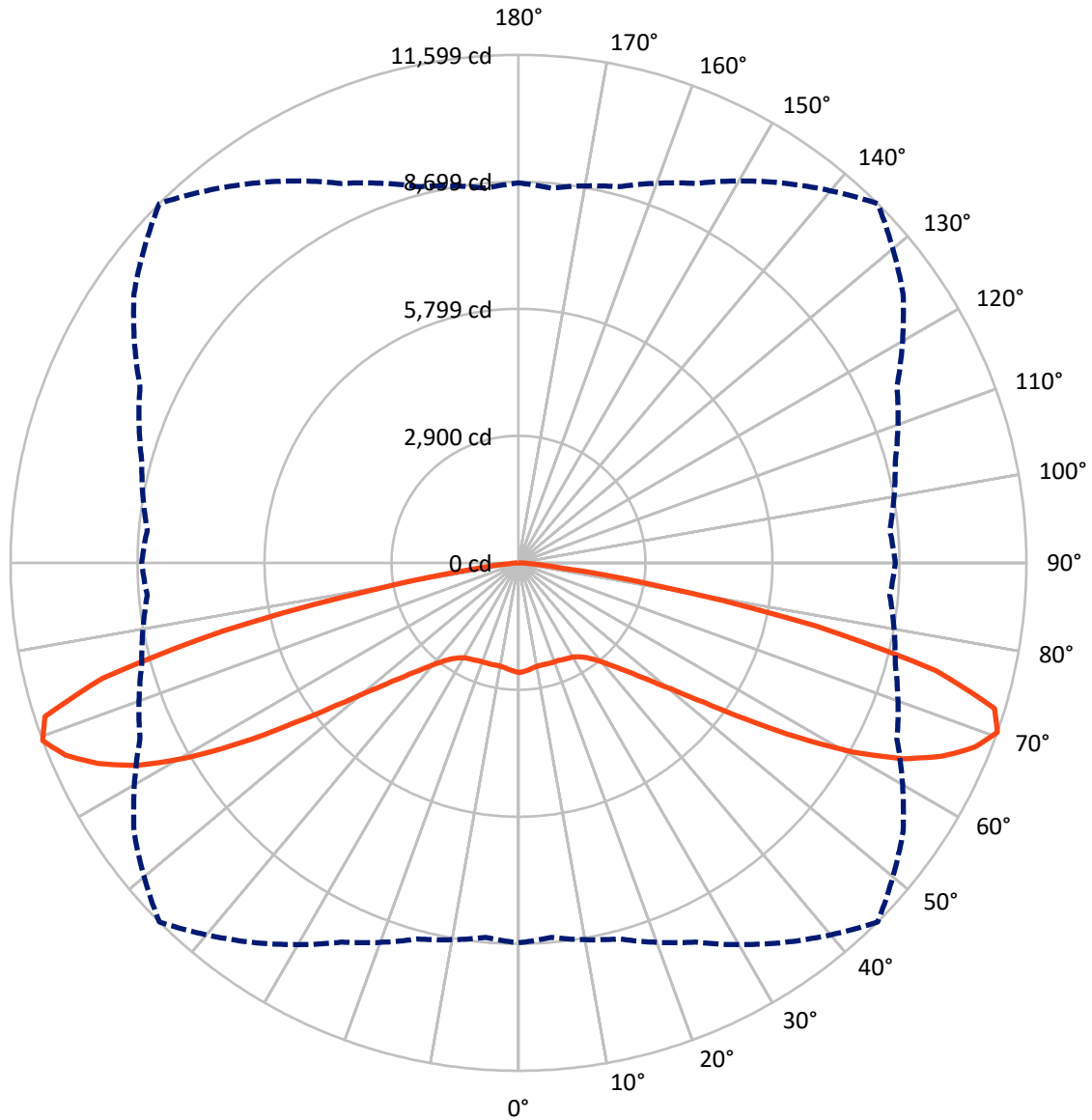
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4 fc
 Type V - Short - N/A

REPORT NUMBER: P847661
CATALOG NUMBER: GLAN-SB3D-840-U-5WQ

Luminous Intensity Polar Plot



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

REPORT NUMBER: P847661
 CATALOG NUMBER: GLAN-SB3D-840-U-5WQ

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	13732.5	0.0	13732.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	13732.5	0.0	13732.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	27465.0	0.0	27465.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	233.1	0.8
10°-20°	684.3	2.5
20°-30°	1138.8	4.1
30°-40°	1722.2	6.3
40°-50°	2861.9	10.4
50°-60°	5400.3	19.7
60°-70°	9118.6	33.2
70°-80°	5991.9	21.8
80°-90°	313.9	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°	27465.0	100.0
0°-180°	27465.0	100.0

Coefficient of Utilization



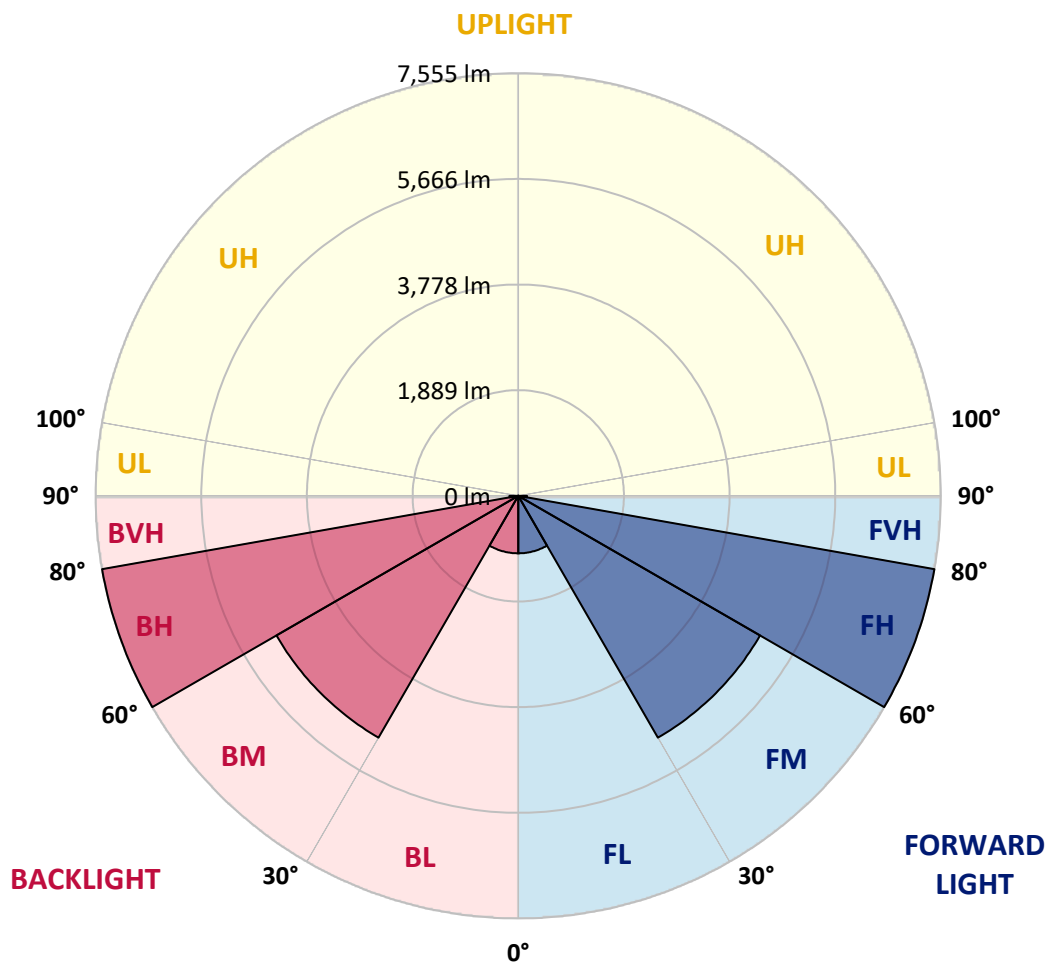
REPORT NUMBER: P847661
 CATALOG NUMBER: GLAN-SB3D-840-U-5WQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1028.1	3.7			
FM (30°-60°)	4992.2	18.2			
FH (60°-80°)	7555.3	27.5			G4/12000
FVH (80°-90°)	157.0	0.6			G2/225
BL (0°-30°)	1028.1	3.7	B3/2500		
BM (30°-60°)	4992.2	18.2	B3/5000		
BH (60°-80°)	7555.3	27.5	B5		G4/12000
BVH (80°-90°)	157.0	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-G4

Type V Short



REPORT NUMBER: P847661
 CATALOG NUMBER: GLAN-SB3D-840-U-5WQ

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	2505.4	2505.4	2505.4	2505.4	2505.4	2505.4	2505.4	2505.4	2505.4	2505.4
2.5°	2489.7	2496.8	2493.9	2488.2	2488.2	2483.9	2488.2	2491.1	2495.4	2498.2
5°	2456.8	2462.5	2461.1	2456.8	2458.3	2454.0	2456.8	2461.1	2464.0	2465.4
7.5°	2428.3	2434.0	2431.1	2424.0	2424.0	2419.7	2421.1	2425.4	2429.7	2431.1
10°	2421.1	2426.8	2418.3	2406.9	2402.6	2396.9	2398.3	2402.6	2411.1	2415.4
12.5°	2424.0	2428.3	2419.7	2402.6	2398.3	2392.6	2392.6	2396.9	2408.3	2414.0
15°	2432.6	2436.8	2424.0	2405.4	2401.1	2396.9	2395.4	2401.1	2414.0	2424.0
17.5°	2448.3	2452.5	2432.6	2406.9	2401.1	2402.6	2401.1	2405.4	2425.4	2444.0
20°	2462.5	2465.4	2438.3	2406.9	2401.1	2402.6	2401.1	2409.7	2435.4	2461.1
22.5°	2466.8	2469.7	2444.0	2416.9	2412.6	2414.0	2412.6	2421.1	2445.4	2471.1
25°	2468.2	2472.5	2452.5	2431.1	2438.3	2441.1	2438.3	2439.7	2458.3	2481.1
27.5°	2489.7	2495.4	2476.8	2458.3	2462.5	2461.1	2465.4	2469.7	2483.9	2506.8
30°	2533.9	2538.2	2522.5	2503.9	2501.1	2491.1	2503.9	2518.2	2533.9	2553.9
32.5°	2606.7	2615.3	2595.3	2575.3	2562.5	2556.8	2566.7	2591.0	2612.4	2633.8
35°	2728.1	2733.8	2715.2	2678.1	2655.3	2655.3	2663.8	2695.2	2729.5	2756.6
37.5°	2899.4	2906.5	2873.7	2829.4	2795.2	2795.2	2806.6	2839.4	2890.8	2929.3
40°	3107.8	3117.8	3076.4	3030.7	2997.9	2992.2	3006.4	3043.5	3092.1	3140.6
42.5°	3359.0	3370.5	3316.2	3276.2	3250.5	3250.5	3257.7	3291.9	3336.2	3396.2
45°	3680.2	3700.2	3626.0	3586.0	3561.8	3567.5	3571.7	3601.7	3641.7	3710.2
47.5°	4062.8	4082.8	4004.3	3962.9	3958.6	3985.7	3968.6	3990.0	4011.4	4089.9
50°	4496.8	4531.1	4476.8	4474.0	4482.5	4532.5	4492.5	4503.9	4479.7	4529.6
52.5°	5027.9	5077.8	5067.8	5085.0	5180.6	5283.4	5192.0	5152.1	5060.7	5076.4
55°	5671.7	5747.3	5761.6	5864.4	6081.4	6291.2	6097.1	5935.8	5741.6	5705.9
57.5°	6404.0	6464.0	6532.5	6742.3	7147.8	7520.4	7147.8	6790.9	6485.4	6412.6
60°	7192.0	7266.3	7331.9	7641.7	8244.1	8768.0	8232.7	7666.0	7262.0	7163.5
62.5°	8038.6	8134.2	8179.9	8523.9	9226.3	9851.6	9236.3	8549.6	8101.4	7995.7
65°	8850.8	8929.4	8980.8	9347.6	10018.6	10645.3	10064.3	9387.6	8926.5	8788.0
67.5°	9229.2	9272.0	9397.6	9813.0	10521.1	11236.3	10641.0	9857.3	9341.9	9099.2
70°	8675.3	8588.2	8890.8	9556.1	10581.0	11598.9	10718.1	9536.1	8905.1	8511.1
72.5°	6703.8	6553.9	7079.3	8217.0	9895.8	11367.6	9964.3	8281.3	7406.2	6606.7
75°	3647.4	3477.5	4202.7	5641.7	7891.5	9853.0	8072.8	5803.0	4679.5	3620.3
77.5°	1029.3	965.0	1550.3	2729.5	4746.6	6917.9	4929.4	2789.4	1838.7	1090.7
80°	315.5	305.5	414.0	822.3	2015.7	3313.4	1937.2	832.3	526.8	332.6
82.5°	187.0	171.3	205.6	299.8	513.9	1040.7	499.6	312.6	251.2	168.5
85°	107.1	99.9	121.3	145.6	172.7	221.3	144.2	148.5	134.2	89.9
87.5°	44.3	40.0	47.1	45.7	40.0	51.4	38.5	45.7	54.2	35.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
2505.4
2496.8
2465.4
2431.1
2415.4
2415.4
2425.4
2444.0
2462.5
2471.1
2479.7
2501.1
2549.6
2625.3
2746.6
2915.1
3124.9
3391.9
3707.4
4067.1
4499.7
5023.6
5650.3
6361.2
7077.8
7910.1
8719.5
9102.1
8605.3
6805.2
3855.8
1212.0
351.2
182.7
94.2
32.8
0.0

OF REPORT)