

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: P848341

Luminaire Tested: **GLAN-SB4D-840-U-5WQ**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P848341
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-840-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 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: 36686 lumens
Efficiency: N/A
Efficacy: 125.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

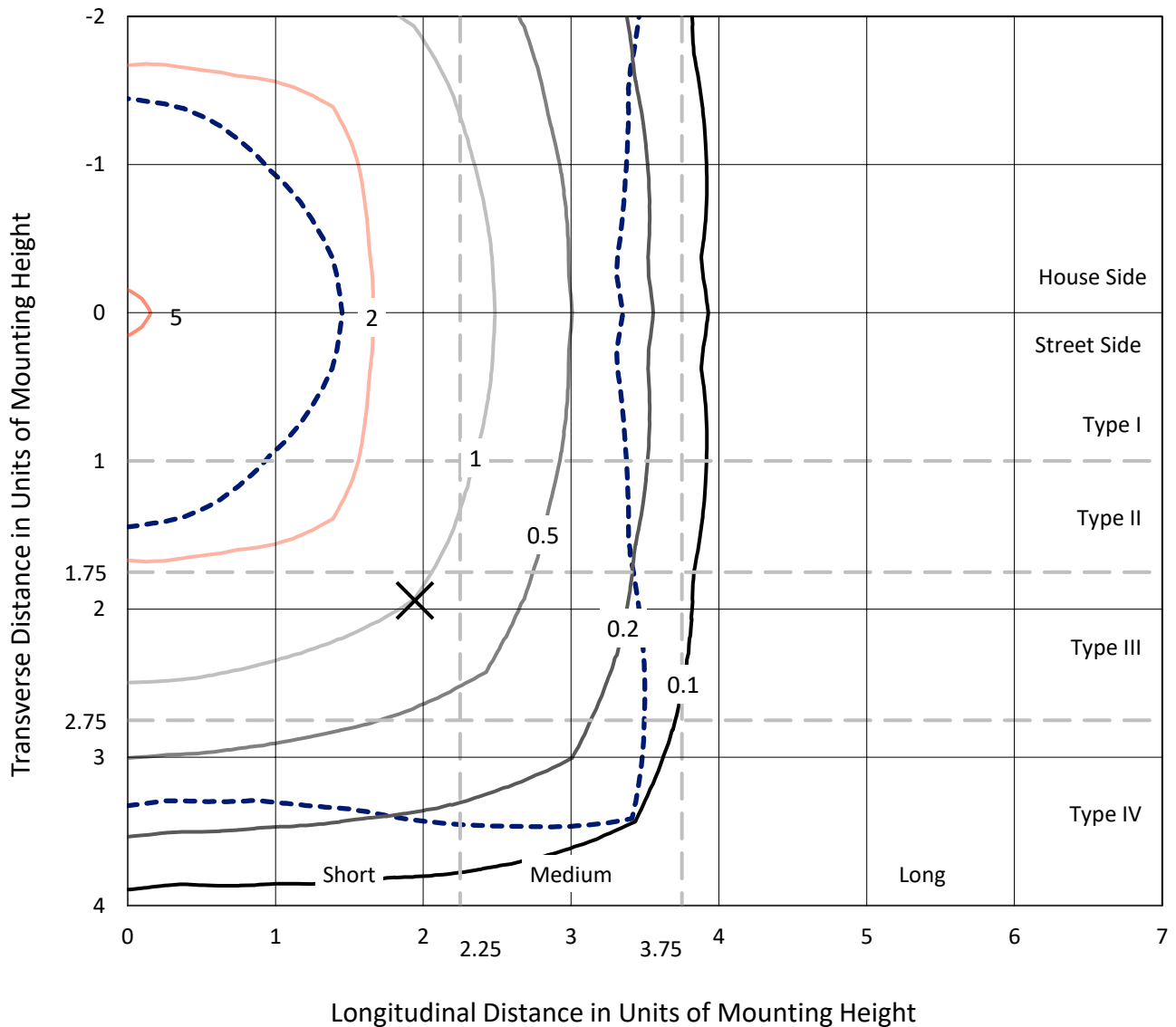
Input Watts (W): 293.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

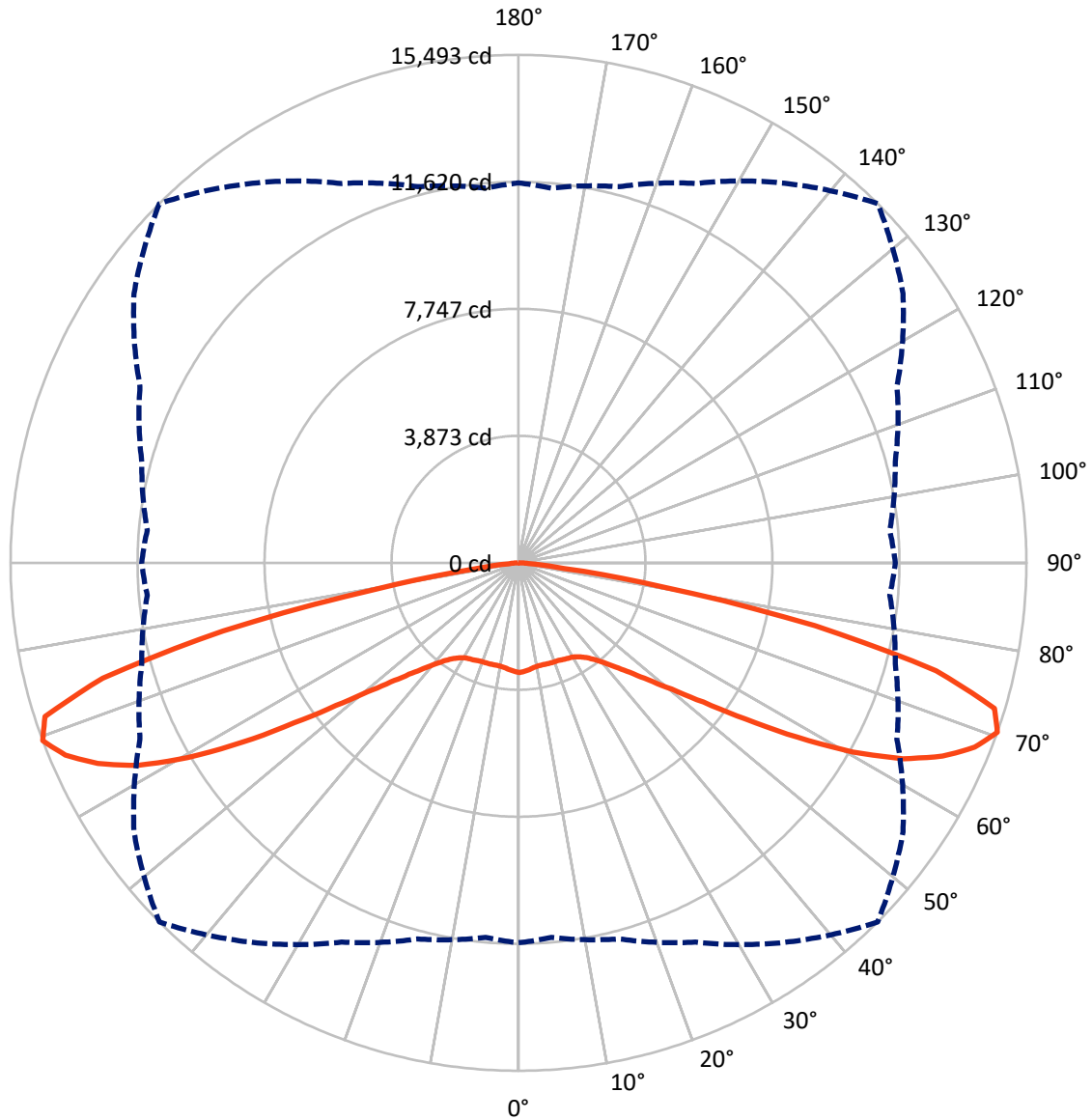
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.4 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	18343.0	0.0	18343.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	18343.0	0.0	18343.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	36686.0	0.0	36686.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	311.3	0.8
10°-20°	914.1	2.5
20°-30°	1521.1	4.1
30°-40°	2300.4	6.3
40°-50°	3822.7	10.4
50°-60°	7213.4	19.7
60°-70°	12180.1	33.2
70°-80°	8003.6	21.8
80°-90°	419.3	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°	36686.0	100.0
0°-180°	36686.0	100.0

Coefficient of Utilization

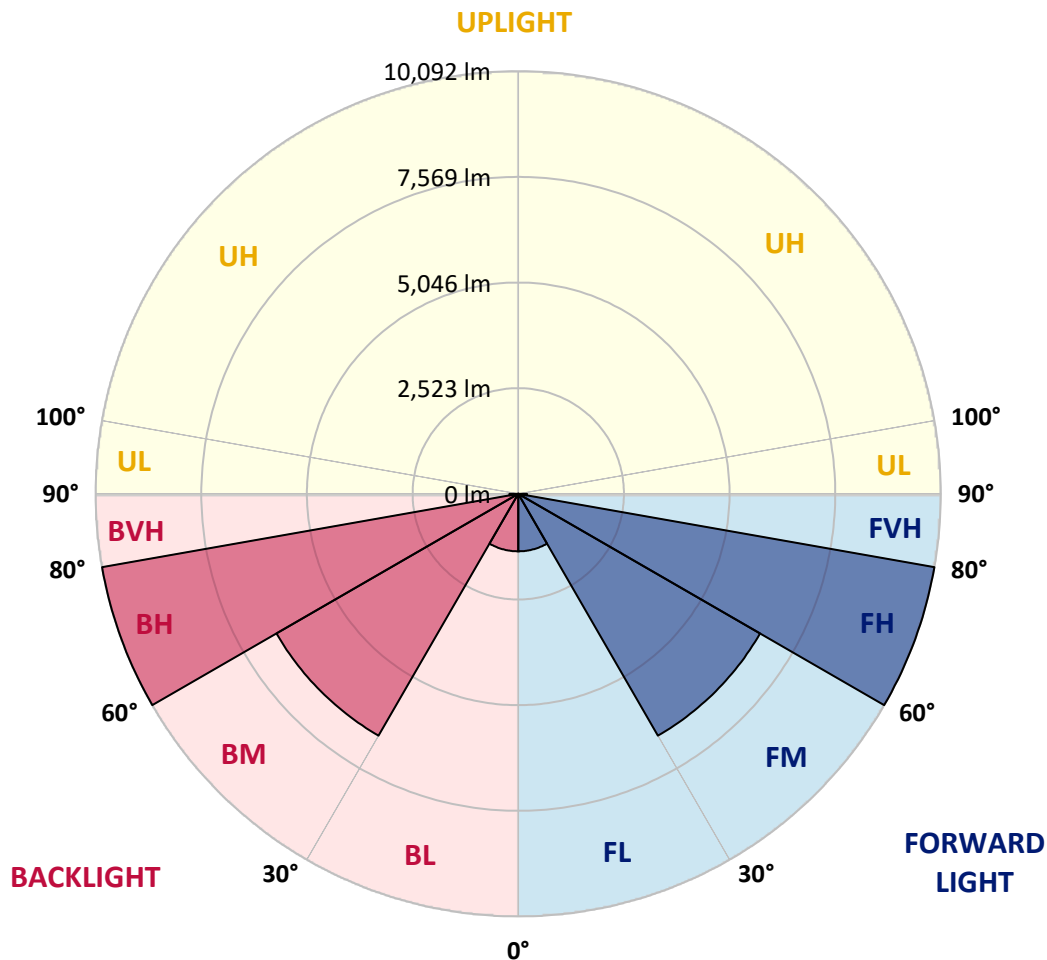


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1373.3	3.7			
FM (30°-60°)	6668.3	18.2			
FH (60°-80°)	10091.8	27.5			G4/12000
FVH (80°-90°)	209.7	0.6			G2/225
BL (0°-30°)	1373.3	3.7	B3/2500		
BM (30°-60°)	6668.3	18.2	B4/8500		
BH (60°-80°)	10091.8	27.5	B5		G4/12000
BVH (80°-90°)	209.7	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



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	3346.5	3346.5	3346.5	3346.5	3346.5	3346.5	3346.5	3346.5	3346.5	3346.5
2.5°	3325.5	3335.1	3331.2	3323.6	3323.6	3317.9	3323.6	3327.4	3333.2	3337.0
5°	3281.7	3289.3	3287.4	3281.7	3283.6	3277.9	3281.7	3287.4	3291.2	3293.1
7.5°	3243.5	3251.2	3247.3	3237.8	3237.8	3232.1	3234.0	3239.7	3245.4	3247.3
10°	3234.0	3241.6	3230.2	3214.9	3209.2	3201.6	3203.5	3209.2	3220.7	3226.4
12.5°	3237.8	3243.5	3232.1	3209.2	3203.5	3195.9	3195.9	3201.6	3216.8	3224.5
15°	3249.3	3255.0	3237.8	3213.0	3207.3	3201.6	3199.7	3207.3	3224.5	3237.8
17.5°	3270.2	3275.9	3249.3	3214.9	3207.3	3209.2	3207.3	3213.0	3239.7	3264.5
20°	3289.3	3293.1	3256.9	3214.9	3207.3	3209.2	3207.3	3218.7	3253.1	3287.4
22.5°	3295.0	3298.8	3264.5	3228.3	3222.6	3224.5	3222.6	3234.0	3266.4	3300.7
25°	3296.9	3302.6	3275.9	3247.3	3256.9	3260.7	3256.9	3258.8	3283.6	3314.1
27.5°	3325.5	3333.2	3308.4	3283.6	3289.3	3287.4	3293.1	3298.8	3317.9	3348.4
30°	3384.6	3390.4	3369.4	3344.6	3340.8	3327.4	3344.6	3363.7	3384.6	3411.3
32.5°	3481.9	3493.3	3466.6	3439.9	3422.8	3415.1	3428.5	3460.9	3489.5	3518.1
35°	3644.0	3651.6	3626.8	3577.2	3546.7	3546.7	3558.2	3600.1	3645.9	3682.1
37.5°	3872.8	3882.3	3838.5	3779.4	3733.6	3733.6	3748.8	3792.7	3861.3	3912.8
40°	4151.2	4164.5	4109.2	4048.2	4004.4	3996.7	4015.8	4065.4	4130.2	4195.0
42.5°	4486.8	4502.0	4429.6	4376.2	4341.9	4341.9	4351.4	4397.2	4456.3	4536.4
45°	4915.8	4942.5	4843.4	4790.0	4757.6	4765.2	4770.9	4811.0	4864.3	4955.9
47.5°	5426.9	5453.6	5348.7	5293.4	5287.7	5323.9	5301.0	5329.6	5358.2	5463.1
50°	6006.5	6052.3	5979.8	5976.0	5987.5	6054.2	6000.8	6016.1	5983.7	6050.4
52.5°	6715.9	6782.6	6769.3	6792.2	6919.9	7057.2	6935.2	6881.8	6759.7	6780.7
55°	7575.9	7676.9	7696.0	7833.3	8123.1	8403.4	8144.1	7928.6	7669.3	7621.6
57.5°	8554.1	8634.2	8725.7	9006.0	9547.5	10045.2	9547.5	9070.8	8662.8	8565.5
60°	9606.7	9705.8	9793.5	10207.3	11012.0	11711.8	10996.7	10239.7	9700.1	9568.5
62.5°	10737.4	10865.2	10926.2	11385.7	12323.9	13159.1	12337.2	11420.1	10821.3	10680.2
65°	11822.4	11927.3	11995.9	12486.0	13382.2	14219.3	13443.2	12539.4	11923.5	11738.5
67.5°	12327.7	12384.9	12552.7	13107.6	14053.4	15008.7	14213.6	13166.7	12478.4	12154.2
70°	11587.9	11471.5	11875.8	12764.4	14133.5	15493.1	14316.5	12737.7	11894.9	11368.6
72.5°	8954.5	8754.3	9456.0	10975.8	13218.2	15184.2	13309.7	11061.6	9892.7	8824.8
75°	4872.0	4645.1	5613.7	7535.8	10541.0	13161.0	10783.2	7751.3	6250.6	4835.7
77.5°	1374.8	1289.0	2070.8	3645.9	6340.2	9240.5	6584.3	3726.0	2456.0	1456.8
80°	421.4	408.1	553.0	1098.3	2692.5	4425.8	2587.6	1111.7	703.6	444.3
82.5°	249.8	228.8	274.6	400.4	686.5	1390.1	667.4	417.6	335.6	225.0
85°	143.0	133.5	162.1	194.5	230.7	295.6	192.6	198.3	179.2	120.1
87.5°	59.1	53.4	62.9	61.0	53.4	68.6	51.5	61.0	72.5	47.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
3346.5
3335.1
3293.1
3247.3
3226.4
3226.4
3239.7
3264.5
3289.3
3300.7
3312.2
3340.8
3405.6
3506.7
3668.8
3893.8
4174.1
4530.6
4952.1
5432.6
6010.4
6710.2
7547.3
8496.9
9454.1
10565.8
11647.0
12158.0
11494.4
9089.9
5150.4
1618.9
469.1
244.1
125.9
43.9
0.0

OF REPORT)