

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: P848261

Luminaire Tested: **GLAN-SB4D-730-U-5WQ**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P848261
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-730-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 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: 39849 lumens
Efficiency: N/A
Efficacy: 135.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

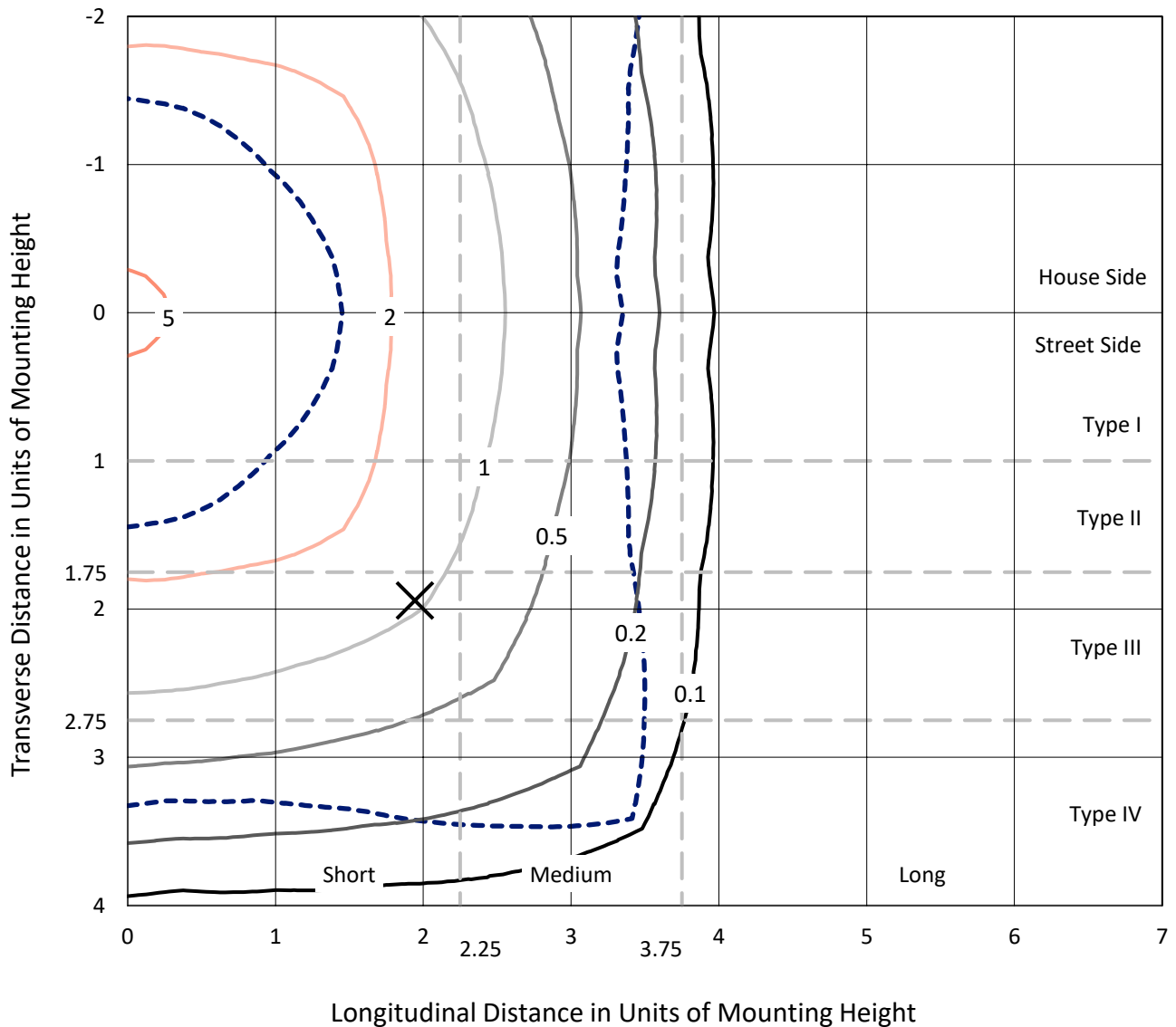
Input Watts (W): 293.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

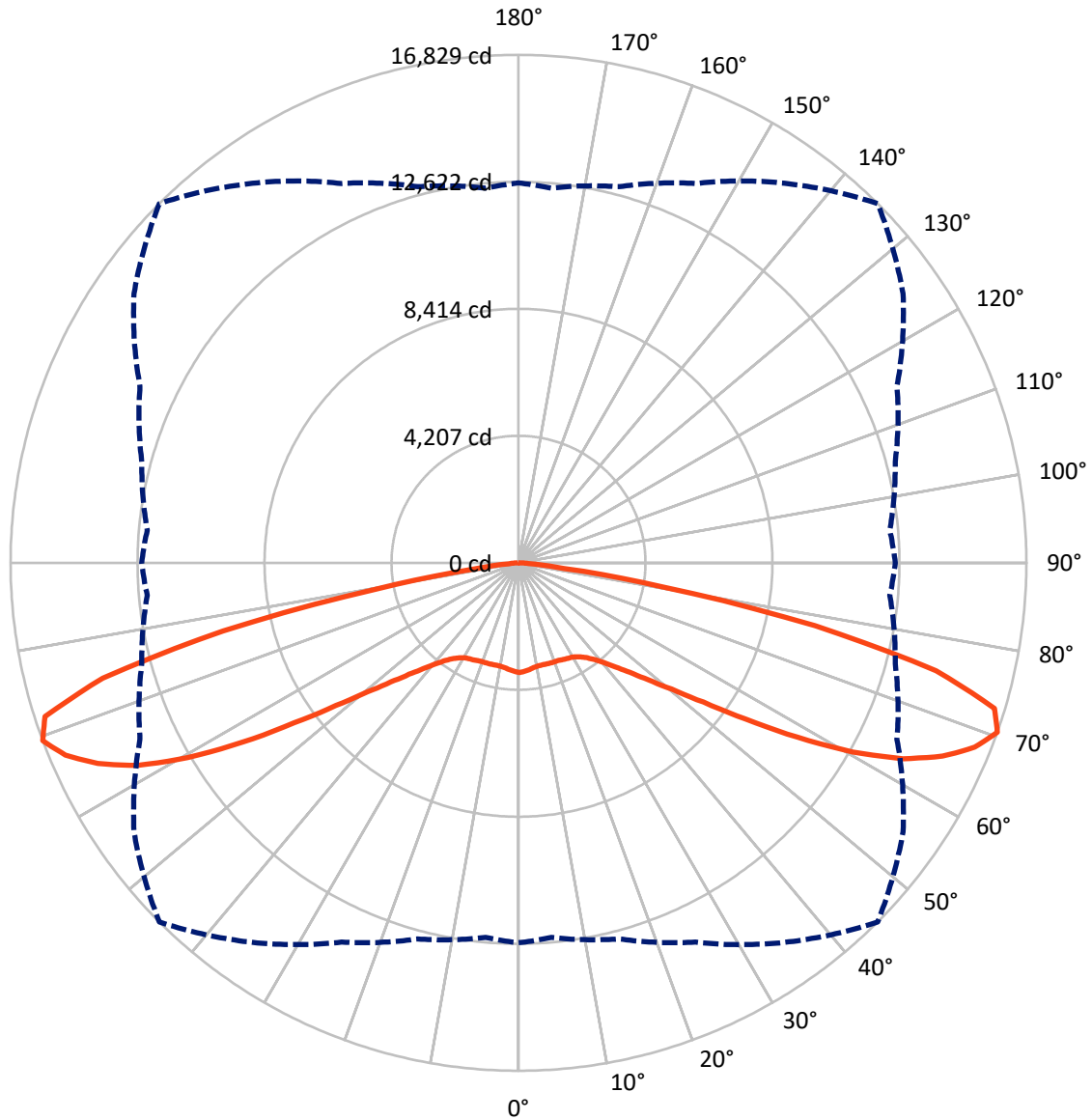
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.8 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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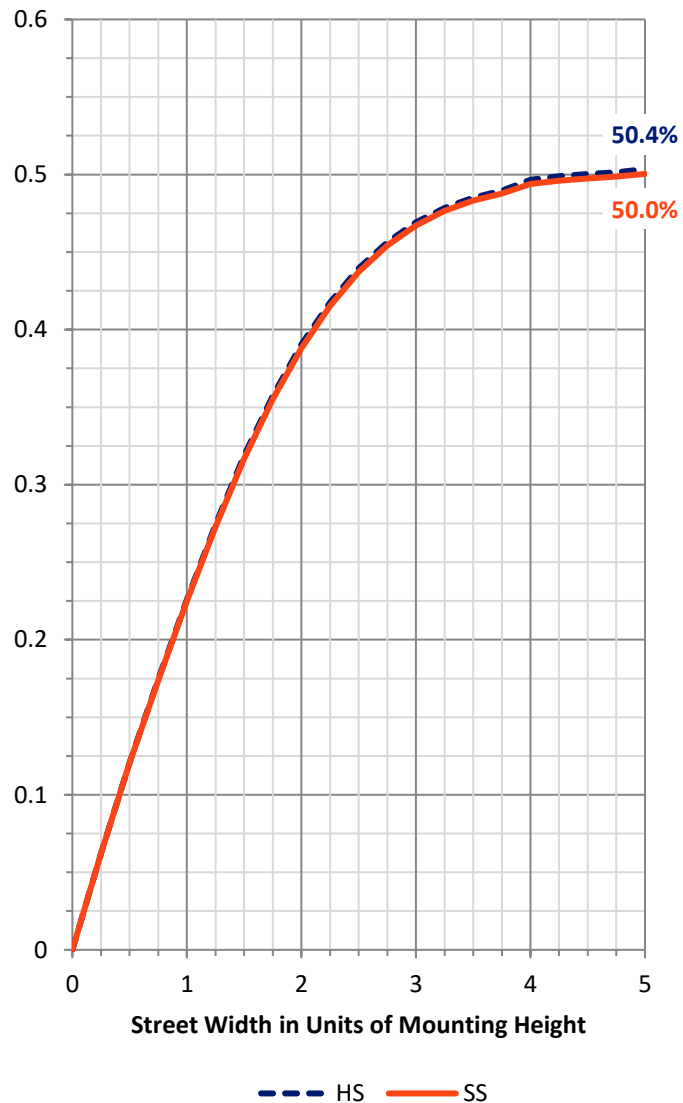
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	19924.5	0.0	19924.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	19924.5	0.0	19924.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	39849.0	0.0	39849.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	338.1	0.8
10°-20°	992.9	2.5
20°-30°	1652.3	4.1
30°-40°	2498.8	6.3
40°-50°	4152.3	10.4
50°-60°	7835.3	19.7
60°-70°	13230.2	33.2
70°-80°	8693.6	21.8
80°-90°	455.5	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°	39849.0	100.0
0°-180°	39849.0	100.0

Coefficient of Utilization



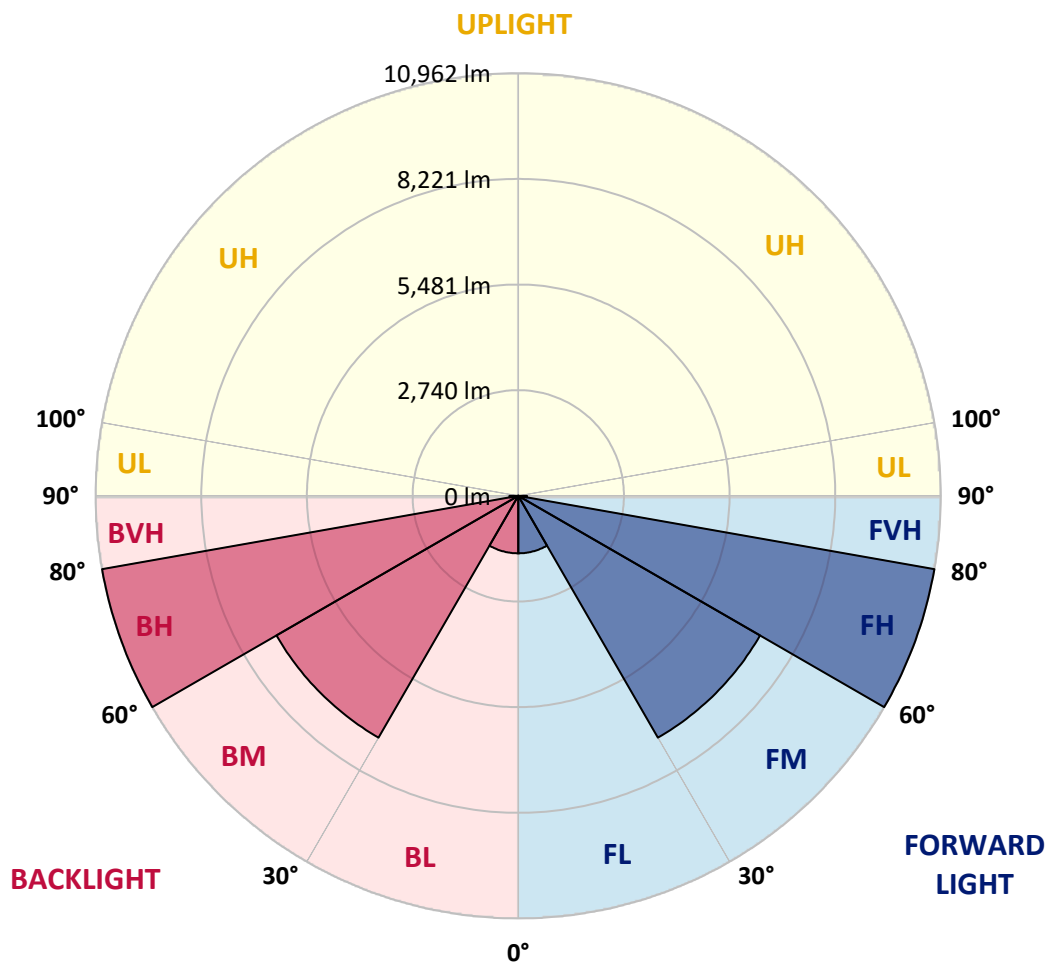
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1491.6	3.7			
FM (30°-60°)	7243.2	18.2			
FH (60°-80°)	10961.9	27.5			G4/12000
FVH (80°-90°)	227.7	0.6			G3/500
BL (0°-30°)	1491.6	3.7	B3/2500		
BM (30°-60°)	7243.2	18.2	B4/8500		
BH (60°-80°)	10961.9	27.5	B5		G4/12000
BVH (80°-90°)	227.7	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-G4

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	3635.0	3635.0	3635.0	3635.0	3635.0	3635.0	3635.0	3635.0	3635.0	3635.0
2.5°	3612.2	3622.6	3618.5	3610.2	3610.2	3604.0	3610.2	3614.3	3620.5	3624.7
5°	3564.6	3572.9	3570.8	3564.6	3566.7	3560.5	3564.6	3570.8	3575.0	3577.0
7.5°	3523.2	3531.5	3527.3	3517.0	3517.0	3510.8	3512.8	3519.0	3525.3	3527.3
10°	3512.8	3521.1	3508.7	3492.1	3485.9	3477.6	3479.7	3485.9	3498.3	3504.5
12.5°	3517.0	3523.2	3510.8	3485.9	3479.7	3471.4	3471.4	3477.6	3494.2	3502.5
15°	3529.4	3535.6	3517.0	3490.0	3483.8	3477.6	3475.5	3483.8	3502.5	3517.0
17.5°	3552.2	3558.4	3529.4	3492.1	3483.8	3485.9	3483.8	3490.0	3519.0	3546.0
20°	3572.9	3577.0	3537.7	3492.1	3483.8	3485.9	3483.8	3496.3	3533.5	3570.8
22.5°	3579.1	3583.3	3546.0	3506.6	3500.4	3502.5	3500.4	3512.8	3548.0	3585.3
25°	3581.2	3587.4	3558.4	3527.3	3537.7	3541.8	3537.7	3539.8	3566.7	3599.8
27.5°	3612.2	3620.5	3593.6	3566.7	3572.9	3570.8	3577.0	3583.3	3604.0	3637.1
30°	3676.5	3682.7	3659.9	3633.0	3628.8	3614.3	3633.0	3653.7	3676.5	3705.5
32.5°	3782.1	3794.5	3765.5	3736.5	3717.9	3709.6	3724.1	3759.3	3790.4	3821.4
35°	3958.1	3966.4	3939.5	3885.7	3852.5	3852.5	3864.9	3910.5	3960.2	3999.6
37.5°	4206.7	4217.1	4169.4	4105.2	4055.5	4055.5	4072.1	4119.7	4194.3	4250.2
40°	4509.1	4523.6	4463.5	4397.2	4349.6	4341.3	4362.0	4415.9	4486.3	4556.7
42.5°	4873.6	4890.2	4811.5	4753.5	4716.2	4716.2	4726.6	4776.3	4840.5	4927.5
45°	5339.7	5368.7	5261.0	5203.0	5167.8	5176.0	5182.2	5225.7	5283.7	5383.2
47.5°	5894.8	5923.8	5809.8	5749.8	5743.6	5782.9	5758.1	5789.1	5820.2	5934.1
50°	6524.4	6574.1	6495.4	6491.3	6503.7	6576.2	6518.2	6534.8	6499.6	6572.1
52.5°	7294.9	7367.4	7352.9	7377.8	7516.5	7665.7	7533.1	7475.1	7342.6	7365.3
55°	8229.0	8338.8	8359.5	8508.7	8823.5	9128.0	8846.3	8612.2	8330.5	8278.8
57.5°	9291.6	9378.6	9478.0	9782.5	10370.7	10911.3	10370.7	9852.9	9409.7	9304.0
60°	10434.9	10542.6	10637.9	11087.4	11961.4	12721.6	11944.9	11122.6	10536.4	10393.5
62.5°	11663.2	11801.9	11868.2	12367.4	13386.4	14293.6	13400.9	12404.7	11754.3	11601.0
65°	12841.7	12955.6	13030.2	13562.5	14536.0	15445.3	14602.3	13620.5	12951.5	12750.6
67.5°	13390.6	13452.7	13635.0	14237.7	15265.1	16302.8	15439.0	14301.9	13554.2	13202.1
70°	12586.9	12460.6	12899.7	13864.9	15352.1	16828.8	15550.9	13835.9	12920.4	12348.7
72.5°	9726.6	9509.1	10271.3	11922.1	14357.9	16493.3	14457.3	12015.3	10745.6	9585.7
75°	5292.0	5045.5	6097.7	8185.6	11449.8	14295.7	11712.9	8419.6	6789.5	5252.7
77.5°	1493.4	1400.2	2249.4	3960.2	6886.9	10037.2	7152.0	4047.2	2667.8	1582.4
80°	457.7	443.2	600.7	1193.0	2924.6	4807.4	2810.7	1207.5	764.3	482.6
82.5°	271.3	248.5	298.3	435.0	745.6	1509.9	724.9	453.6	364.5	244.4
85°	155.3	145.0	176.1	211.3	250.6	321.0	209.2	215.4	194.7	130.5
87.5°	64.2	58.0	68.4	66.3	58.0	74.6	55.9	66.3	78.7	51.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
3635.0
3622.6
3577.0
3527.3
3504.5
3504.5
3519.0
3546.0
3572.9
3585.3
3597.7
3628.8
3699.2
3809.0
3985.1
4229.5
4534.0
4921.3
5379.0
5901.0
6528.6
7288.7
8198.0
9229.5
10269.2
11476.8
12651.2
13206.2
12485.5
9873.6
5594.4
1758.5
509.5
265.1
136.7
47.6
0.0

OF REPORT)