

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: P851031

Luminaire Tested: **GLAN-SB8D-827-U-5WQ**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P851031
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-SB8D-827-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 80 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: 66362 lumens
Efficiency: N/A
Efficacy: 113.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G5

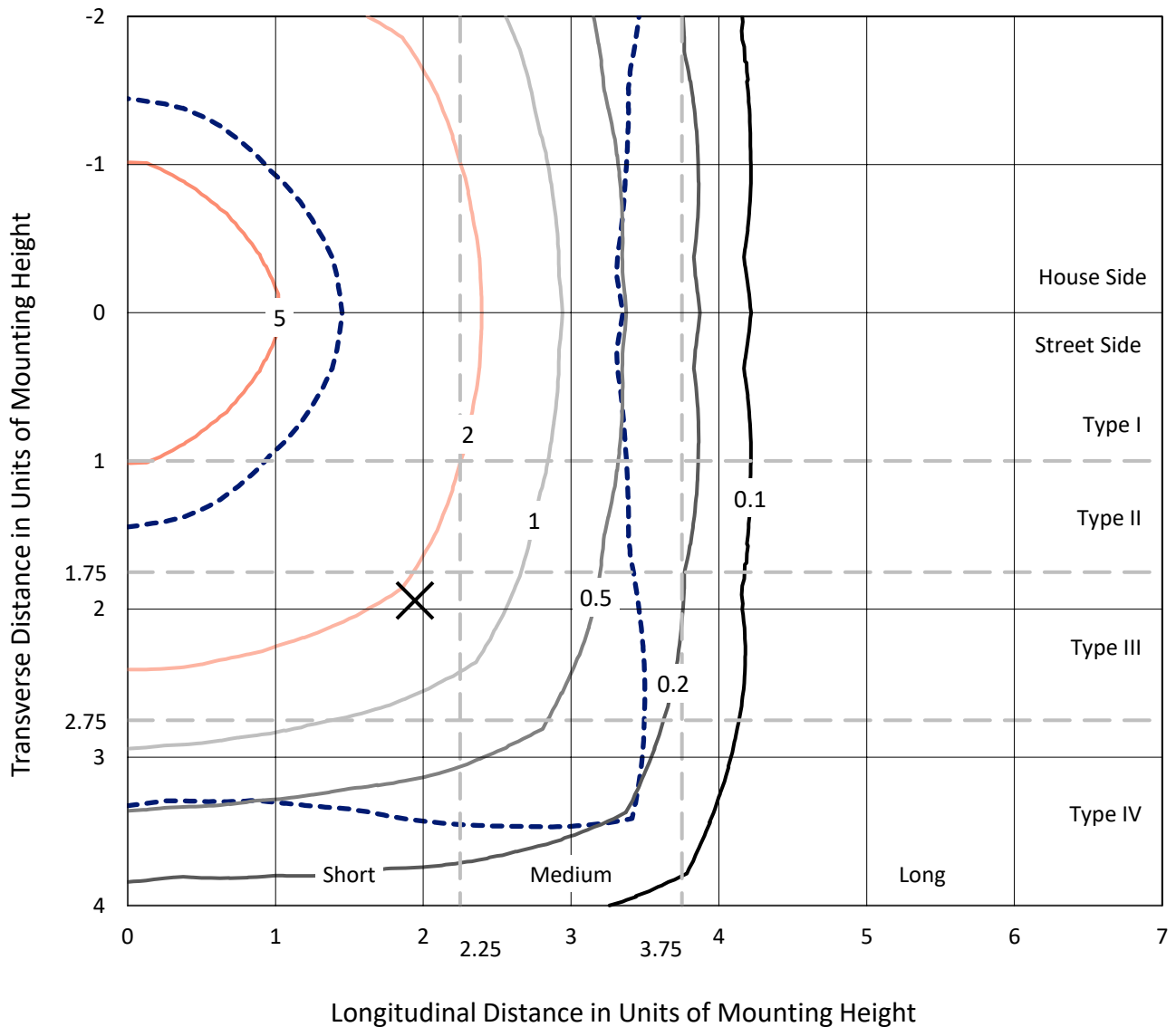
Input Watts (W): 584.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

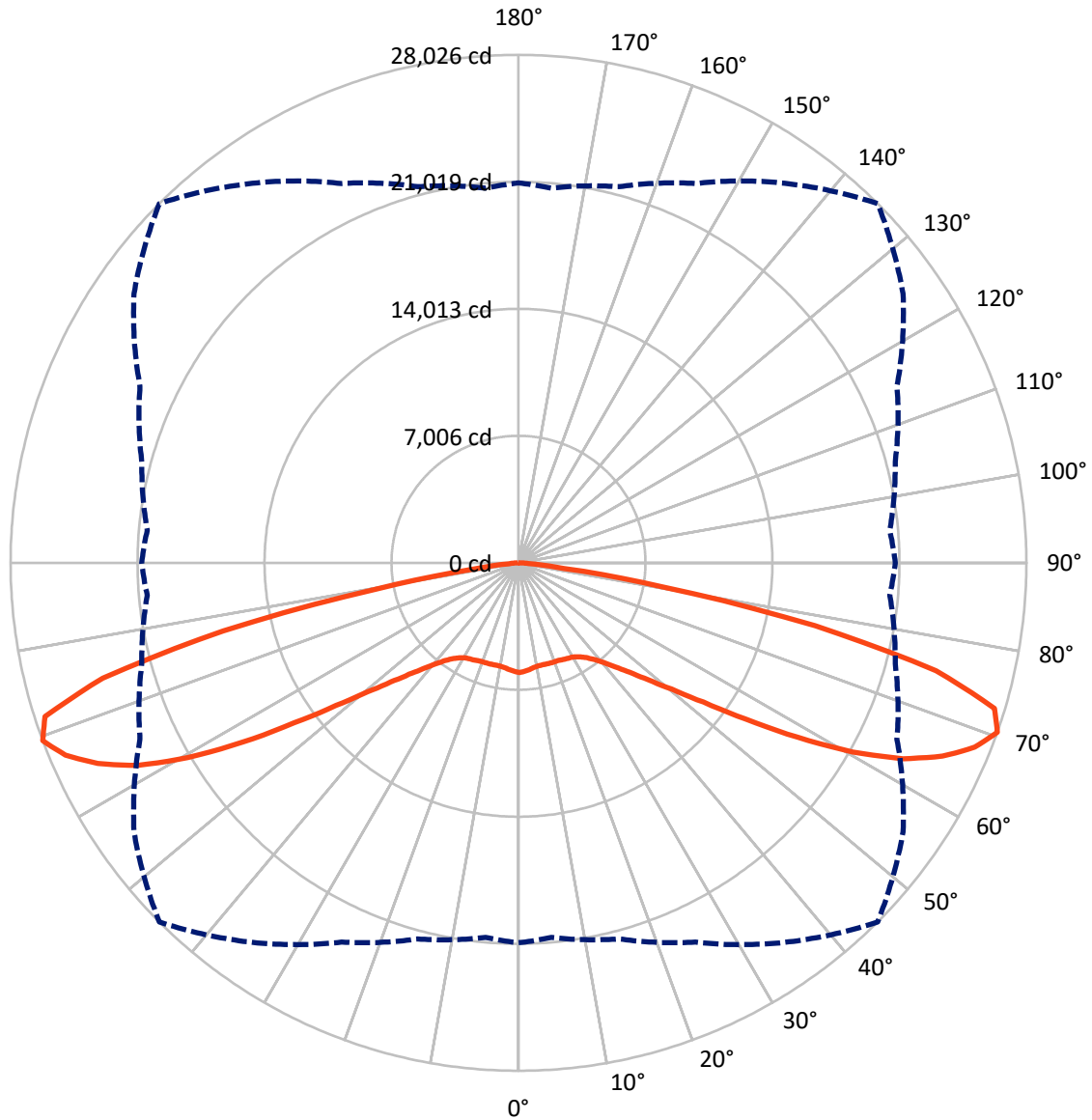
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.7 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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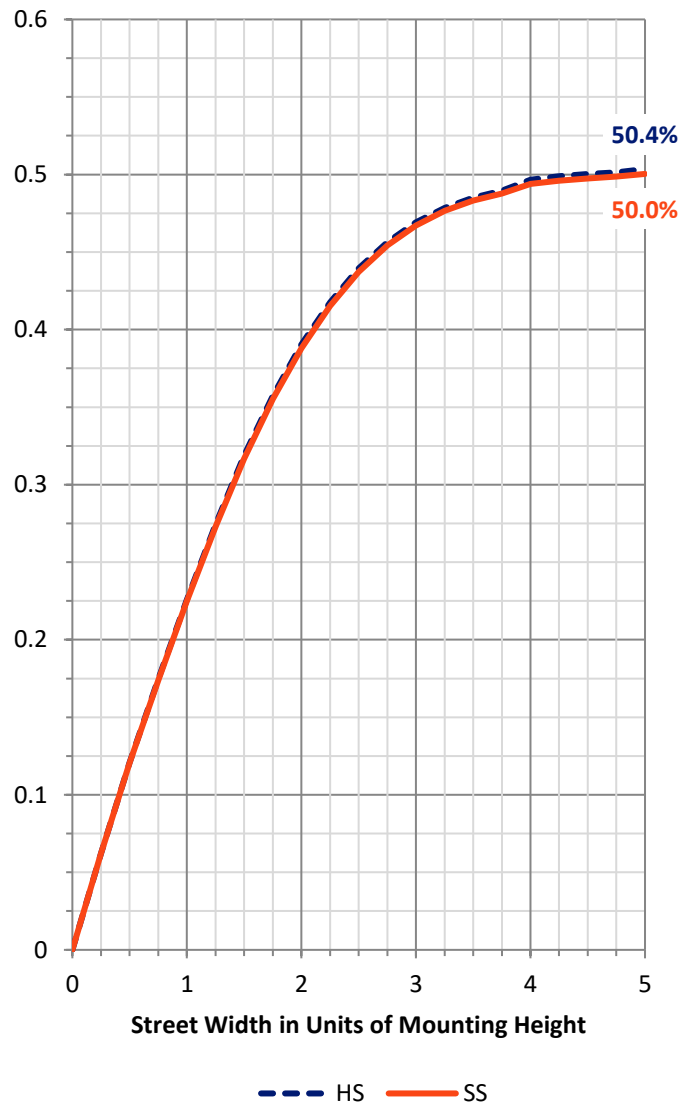
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	33181.0	0.0	33181.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	33181.0	0.0	33181.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	66362.0	0.0	66362.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	563.1	0.8
10°-20°	1653.5	2.5
20°-30°	2751.6	4.1
30°-40°	4161.3	6.3
40°-50°	6915.0	10.4
50°-60°	13048.4	19.7
60°-70°	22032.8	33.2
70°-80°	14477.8	21.8
80°-90°	758.5	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°	66362.0	100.0
0°-180°	66362.0	100.0

Coefficient of Utilization



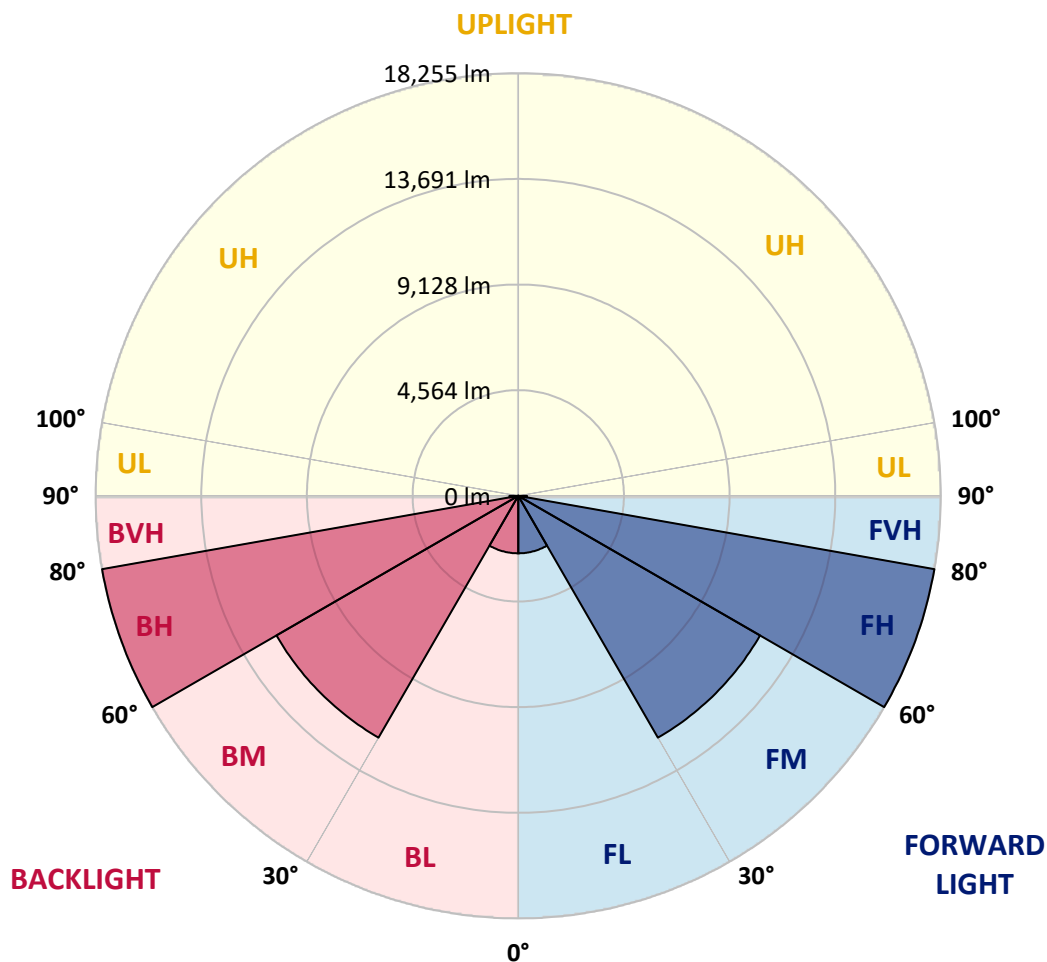
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2484.1	3.7			
FM (30°-60°)	12062.4	18.2			
FH (60°-80°)	18255.3	27.5			G5
FVH (80°-90°)	379.2	0.6			G3/500
BL (0°-30°)	2484.1	3.7	B3/2500		
BM (30°-60°)	12062.4	18.2	B5		
BH (60°-80°)	18255.3	27.5	B5		G5
BVH (80°-90°)	379.2	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-G5

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	6053.6	6053.6	6053.6	6053.6	6053.6	6053.6	6053.6	6053.6	6053.6	6053.6
2.5°	6015.6	6032.9	6026.0	6012.2	6012.2	6001.8	6012.2	6019.1	6029.4	6036.3
5°	5936.3	5950.1	5946.6	5936.3	5939.7	5929.4	5936.3	5946.6	5953.5	5957.0
7.5°	5867.3	5881.1	5874.2	5856.9	5856.9	5846.6	5850.0	5860.4	5870.7	5874.2
10°	5850.0	5863.8	5843.1	5815.5	5805.2	5791.4	5794.9	5805.2	5825.9	5836.2
12.5°	5856.9	5867.3	5846.6	5805.2	5794.9	5781.1	5781.1	5791.4	5819.0	5832.8
15°	5877.6	5888.0	5856.9	5812.1	5801.8	5791.4	5788.0	5801.8	5832.8	5856.9
17.5°	5915.6	5925.9	5877.6	5815.5	5801.8	5805.2	5801.8	5812.1	5860.4	5905.2
20°	5950.1	5957.0	5891.4	5815.5	5801.8	5805.2	5801.8	5822.4	5884.5	5946.6
22.5°	5960.4	5967.3	5905.2	5839.7	5829.3	5832.8	5829.3	5850.0	5908.7	5970.8
25°	5963.9	5974.2	5925.9	5874.2	5891.4	5898.3	5891.4	5894.9	5939.7	5994.9
27.5°	6015.6	6029.4	5984.6	5939.7	5950.1	5946.6	5957.0	5967.3	6001.8	6057.0
30°	6122.5	6132.9	6094.9	6050.1	6043.2	6019.1	6050.1	6084.6	6122.5	6170.8
32.5°	6298.5	6319.1	6270.9	6222.6	6191.5	6177.7	6201.9	6260.5	6312.2	6364.0
35°	6591.6	6605.4	6560.6	6470.9	6415.7	6415.7	6436.4	6512.3	6595.1	6660.6
37.5°	7005.6	7022.8	6943.5	6836.5	6753.8	6753.8	6781.4	6860.7	6984.9	7078.0
40°	7509.2	7533.3	7433.3	7322.9	7243.6	7229.8	7264.3	7353.9	7471.2	7588.5
42.5°	8116.2	8143.8	8012.8	7916.2	7854.1	7854.1	7871.3	7954.1	8061.1	8205.9
45°	8892.3	8940.6	8761.3	8664.7	8606.0	8619.8	8630.2	8702.6	8799.2	8964.8
47.5°	9816.8	9865.0	9675.3	9575.3	9565.0	9630.5	9589.1	9640.8	9692.6	9882.3
50°	10865.3	10948.1	10817.1	10810.2	10830.9	10951.6	10855.0	10882.6	10824.0	10944.7
52.5°	12148.5	12269.2	12245.1	12286.5	12517.6	12765.9	12545.2	12448.6	12227.8	12265.8
55°	13704.1	13886.9	13921.4	14169.8	14694.1	15201.1	14732.0	14342.3	13873.2	13786.9
57.5°	15473.6	15618.5	15784.1	16291.1	17270.7	18171.0	17270.7	16408.4	15670.2	15494.3
60°	17377.7	17557.0	17715.7	18464.2	19919.8	21185.7	19892.2	18522.8	17546.7	17308.7
62.5°	19423.1	19654.2	19764.6	20595.9	22292.9	23803.7	22317.1	20658.0	19574.9	19319.6
65°	21385.8	21575.5	21699.7	22586.1	24207.3	25721.6	24317.7	22682.7	21568.6	21234.0
67.5°	22299.8	22403.3	22706.9	23710.6	25421.5	27149.6	25711.2	23817.5	22572.3	21985.9
70°	20961.5	20751.1	21482.3	23089.7	25566.3	28025.7	25897.5	23041.4	21516.8	20564.8
72.5°	16198.0	15835.8	17105.2	19854.3	23910.7	27466.9	24076.2	20009.5	17895.1	15963.4
75°	8813.0	8402.5	10154.8	13631.7	19067.8	23807.2	19505.9	14021.5	11306.9	8747.5
77.5°	2487.0	2331.7	3746.0	6595.1	11469.0	16715.4	11910.5	6740.0	4442.7	2635.3
80°	762.3	738.2	1000.3	1986.8	4870.4	8005.9	4680.7	2011.0	1272.8	803.7
82.5°	451.9	413.9	496.7	724.4	1241.8	2514.6	1207.3	755.4	607.1	407.0
85°	258.7	241.5	293.2	351.8	417.4	534.6	348.4	358.7	324.2	217.3
87.5°	106.9	96.6	113.8	110.4	96.6	124.2	93.1	110.4	131.1	86.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
6053.6
6032.9
5957.0
5874.2
5836.2
5836.2
5860.4
5905.2
5950.1
5970.8
5991.5
6043.2
6160.5
6343.3
6636.5
7043.5
7550.6
8195.6
8957.9
9827.1
10872.2
12138.1
13652.4
15370.2
17101.7
19112.7
21068.4
21992.8
20792.5
16442.9
9316.6
2928.5
848.5
441.5
227.7
79.3
0.0

OF REPORT)