

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: P849354

Luminaire Tested: **GLAN-SB6B-835-U-T1**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P849354
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-2)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB6B-835-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 80 CRI, 3500K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 27969 lumens
Efficiency: N/A
Efficacy: 126.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B5 - U0 - G5

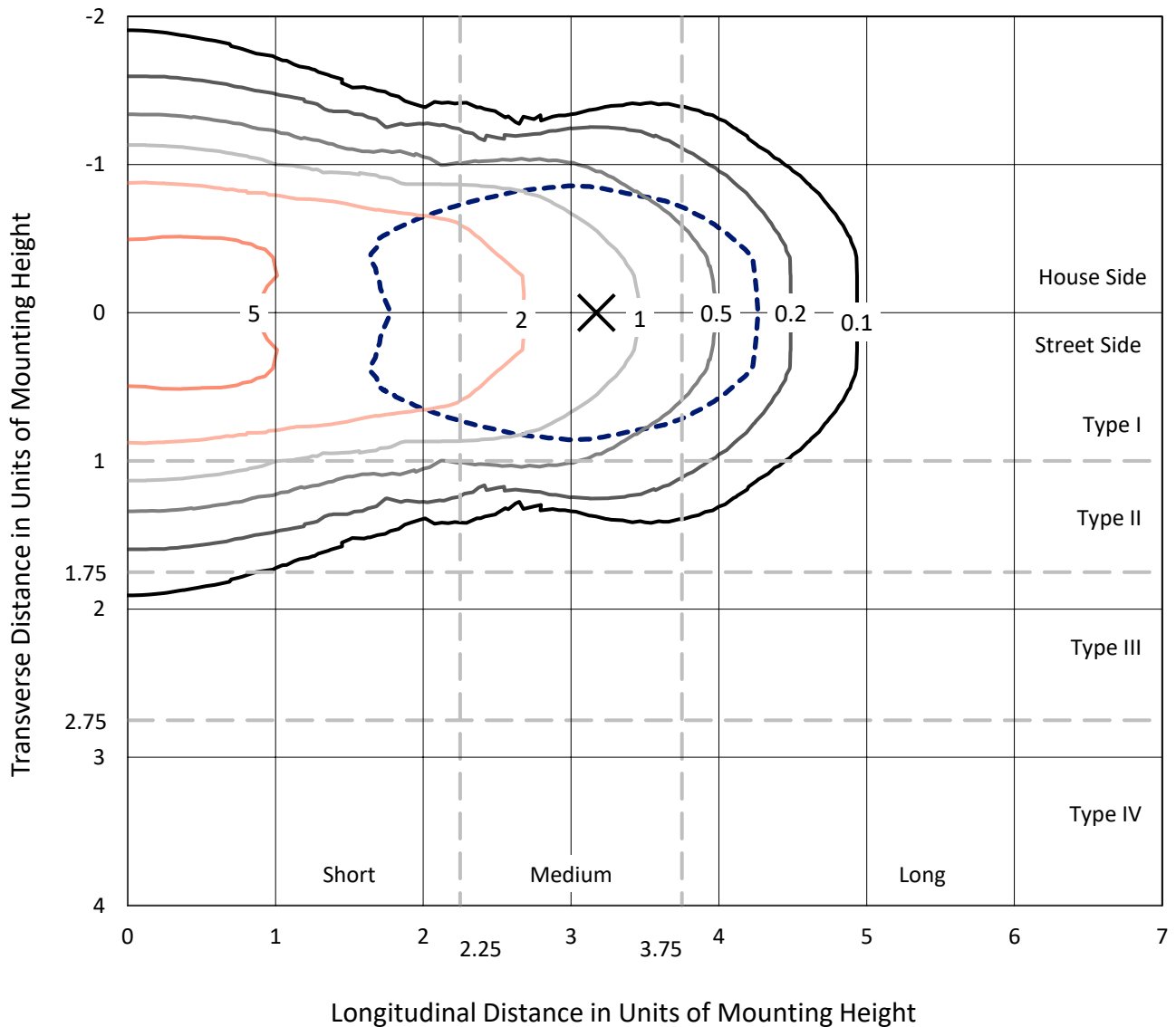
Input Watts (W): 220.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

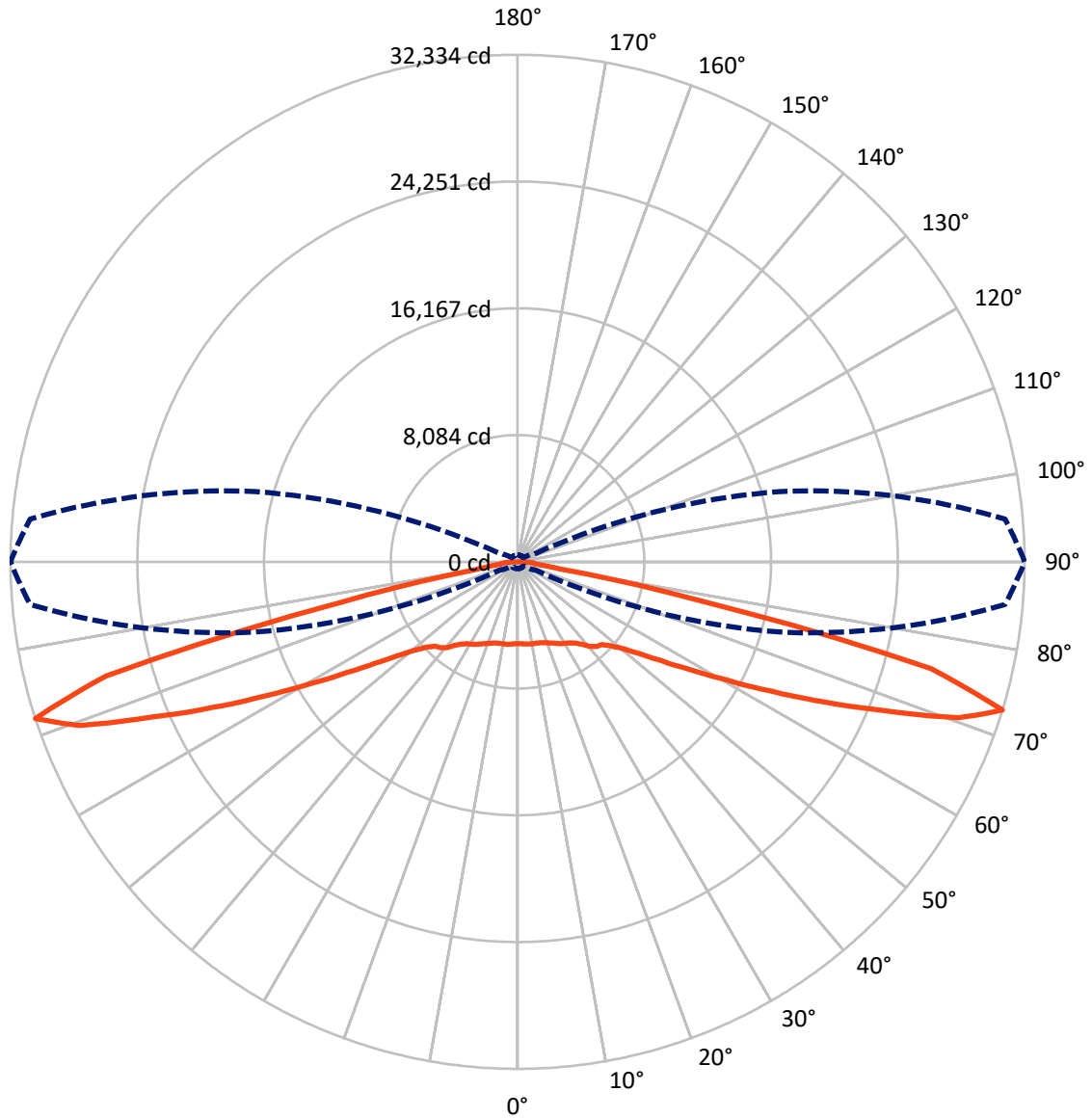
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.4 fc
 Type I - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 90-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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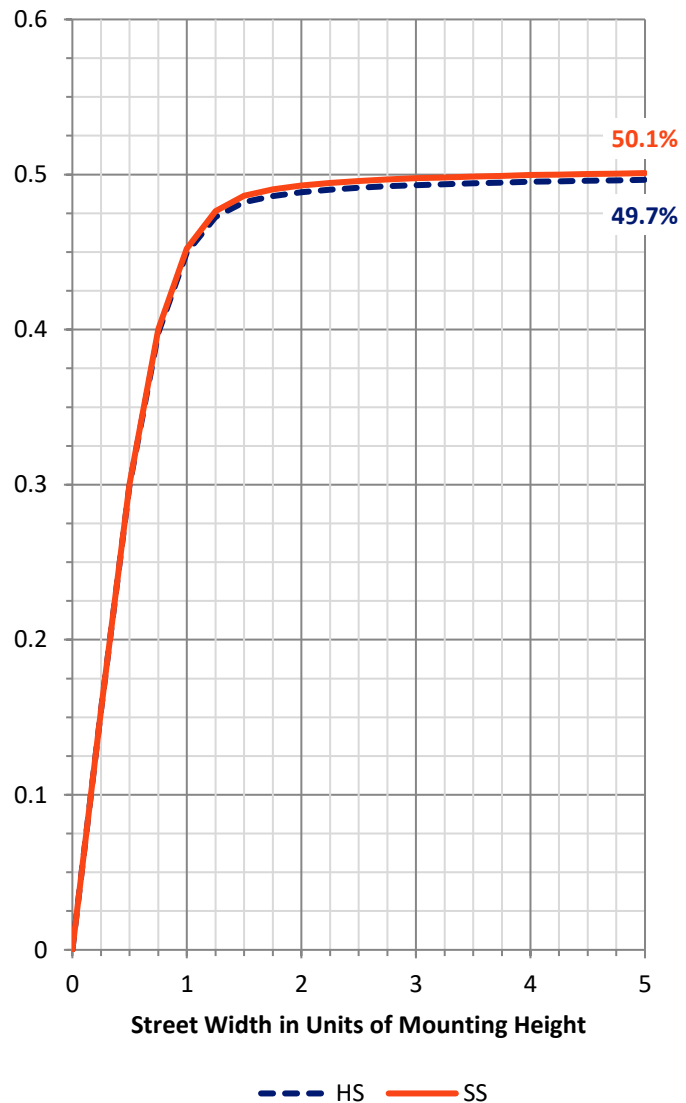
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	13984.5	0.0	13984.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	13984.5	0.0	13984.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	27969.0	0.0	27969.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	506.8	1.8
10°-20°	1549.4	5.5
20°-30°	2583.6	9.2
30°-40°	3553.2	12.7
40°-50°	4339.4	15.5
50°-60°	5019.0	17.9
60°-70°	5984.3	21.4
70°-80°	4176.7	14.9
80°-90°	256.5	0.9
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°	27969.0	100.0
0°-180°	27969.0	100.0

Coefficient of Utilization

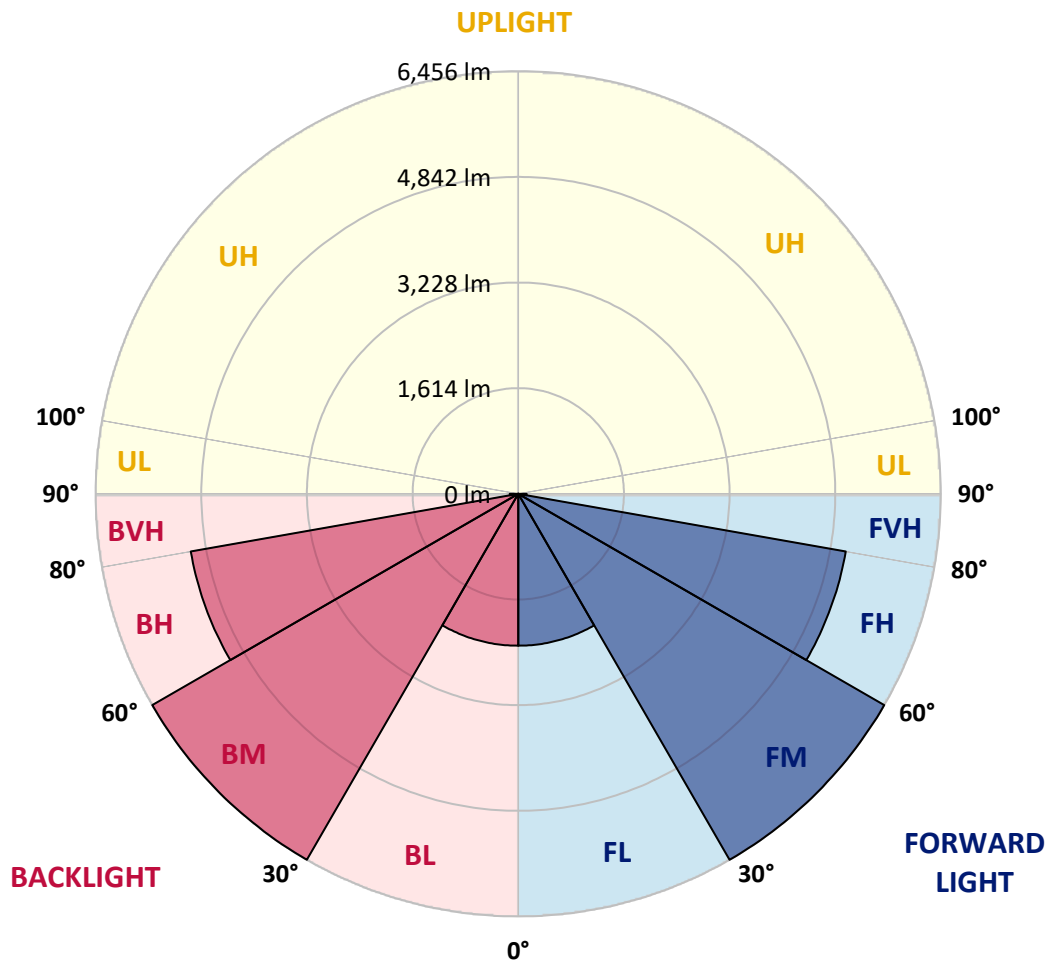


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2319.9	8.3			
FM (30°-60°)	6455.8	23.1			
FH (60°-80°)	5080.5	18.2			G3/7500
FVH (80°-90°)	128.3	0.5			G2/225
BL (0°-30°)	2319.9	8.3	B3/2500		
BM (30°-60°)	6455.8	23.1	B4/8500		
BH (60°-80°)	5080.5	18.2	B5		G5
BVH (80°-90°)	128.3	0.5			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G5
 Type I Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	5226.3	5226.3	5226.3	5226.3	5226.3	5226.3	5226.3	5226.3	5226.3	5226.3
2.5°	5230.8	5236.7	5236.7	5232.2	5242.7	5233.7	5233.7	5229.3	5233.7	5229.3
5°	5257.5	5265.0	5267.9	5266.4	5279.8	5272.4	5272.4	5266.4	5267.9	5263.5
7.5°	5308.1	5318.5	5324.4	5331.8	5351.2	5342.2	5336.3	5318.5	5311.0	5299.1
10°	5324.4	5336.3	5355.6	5394.3	5438.9	5440.3	5422.5	5377.9	5343.7	5317.0
12.5°	5273.9	5290.2	5330.4	5409.1	5508.7	5548.9	5520.6	5446.3	5379.4	5331.8
15°	5210.0	5227.8	5288.7	5407.6	5554.8	5648.5	5645.5	5547.4	5440.3	5366.0
17.5°	5110.4	5128.2	5215.9	5382.4	5590.5	5745.1	5786.7	5685.6	5535.5	5435.9
20°	4930.5	4946.9	5068.7	5302.1	5602.4	5847.6	5956.1	5867.0	5679.7	5544.4
22.5°	4697.1	4722.4	4865.1	5163.9	5574.1	5954.7	6149.4	6088.4	5847.6	5660.3
25°	4447.4	4474.2	4640.6	4994.4	5501.3	6032.0	6378.3	6339.6	6037.9	5804.5
27.5°	4231.9	4260.1	4441.5	4826.5	5388.3	6061.7	6604.2	6623.6	6268.3	5963.6
30°	4062.4	4089.2	4282.4	4691.2	5242.7	6032.0	6801.9	6935.7	6503.1	6101.8
32.5°	3876.6	3910.8	4114.5	4526.2	5070.2	5960.6	6974.3	7273.1	6775.2	6250.5
35°	3641.8	3673.0	3887.0	4300.3	4844.3	5846.1	7118.5	7647.7	7164.6	6476.4
37.5°	3356.4	3386.1	3598.7	4017.8	4619.8	5685.6	7228.5	8069.9	7628.4	6801.9
40°	3069.5	3097.7	3296.9	3702.7	4350.8	5480.5	7267.2	8483.1	8160.5	7249.3
42.5°	2806.4	2831.7	3014.5	3392.0	4049.0	5218.9	7216.6	8842.8	8637.7	7561.5
45°	2564.1	2586.4	2748.4	3100.7	3735.4	4900.8	7065.0	9229.3	9205.5	7784.5
47.5°	2287.6	2309.9	2477.9	2818.3	3421.8	4527.7	6807.9	9609.8	9994.8	8289.8
50°	1950.2	1969.5	2142.0	2492.8	3096.2	4130.8	6451.1	9908.6	10990.7	9055.4
52.5°	1550.4	1571.2	1739.1	2089.9	2709.8	3704.2	5981.4	10103.3	12141.2	10173.2
55°	1153.5	1168.3	1314.0	1629.1	2231.1	3218.1	5392.8	10158.3	13446.3	11701.2
57.5°	836.9	845.8	939.4	1174.3	1691.6	2610.2	4677.8	10015.6	14999.6	13660.3
60°	677.8	680.8	709.0	813.1	1175.8	1923.4	3814.2	9525.1	16685.2	16185.8
62.5°	615.4	615.4	622.8	651.1	795.2	1269.4	2769.2	8508.3	18492.7	19377.2
65°	572.3	572.3	575.3	588.6	627.3	808.6	1748.0	6852.5	20016.3	23115.5
67.5°	533.6	535.1	533.6	538.1	560.4	597.5	1013.7	4732.8	20836.8	26989.2
70°	493.5	496.5	489.0	489.0	506.9	508.4	634.7	2595.3	20156.0	30235.6
72.5°	445.9	450.4	438.5	435.5	448.9	443.0	477.1	1245.6	17305.1	31204.7
75°	404.3	410.3	383.5	376.1	376.1	371.6	388.0	639.2	11231.5	25455.2
77.5°	367.1	379.0	335.9	312.2	306.2	292.8	316.6	390.9	4912.7	11950.9
80°	303.2	319.6	276.5	248.2	237.8	223.0	249.7	273.5	1461.2	2775.2
82.5°	225.9	233.4	196.2	176.9	168.0	157.6	187.3	190.3	475.7	982.5
85°	144.2	147.2	120.4	104.1	99.6	95.1	118.9	104.1	181.3	722.4
87.5°	50.5	58.0	46.1	41.6	44.6	37.2	55.0	31.2	50.5	509.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

5226.3
5229.3
5263.5
5299.1
5312.5
5324.4
5354.1
5419.5
5519.1
5626.2
5757.0
5913.0
6029.0
6158.3
6373.8
6665.2
7103.7
7374.2
7531.8
7998.5
8689.7
9722.8
11137.9
12951.3
15292.4
18180.6
21602.3
25355.6
29806.0
32334.4
27227.0
11702.7
2657.7
1110.4
1049.4
631.7
0.0

OF REPORT)