

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: P849184

Luminaire Tested: **GLAN-SB6A-835-U-T1**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P849184
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-SB6A-835-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 80 CRI, 3500K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 22281 lumens
Efficiency: N/A
Efficacy: 130.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B4 - U0 - G4

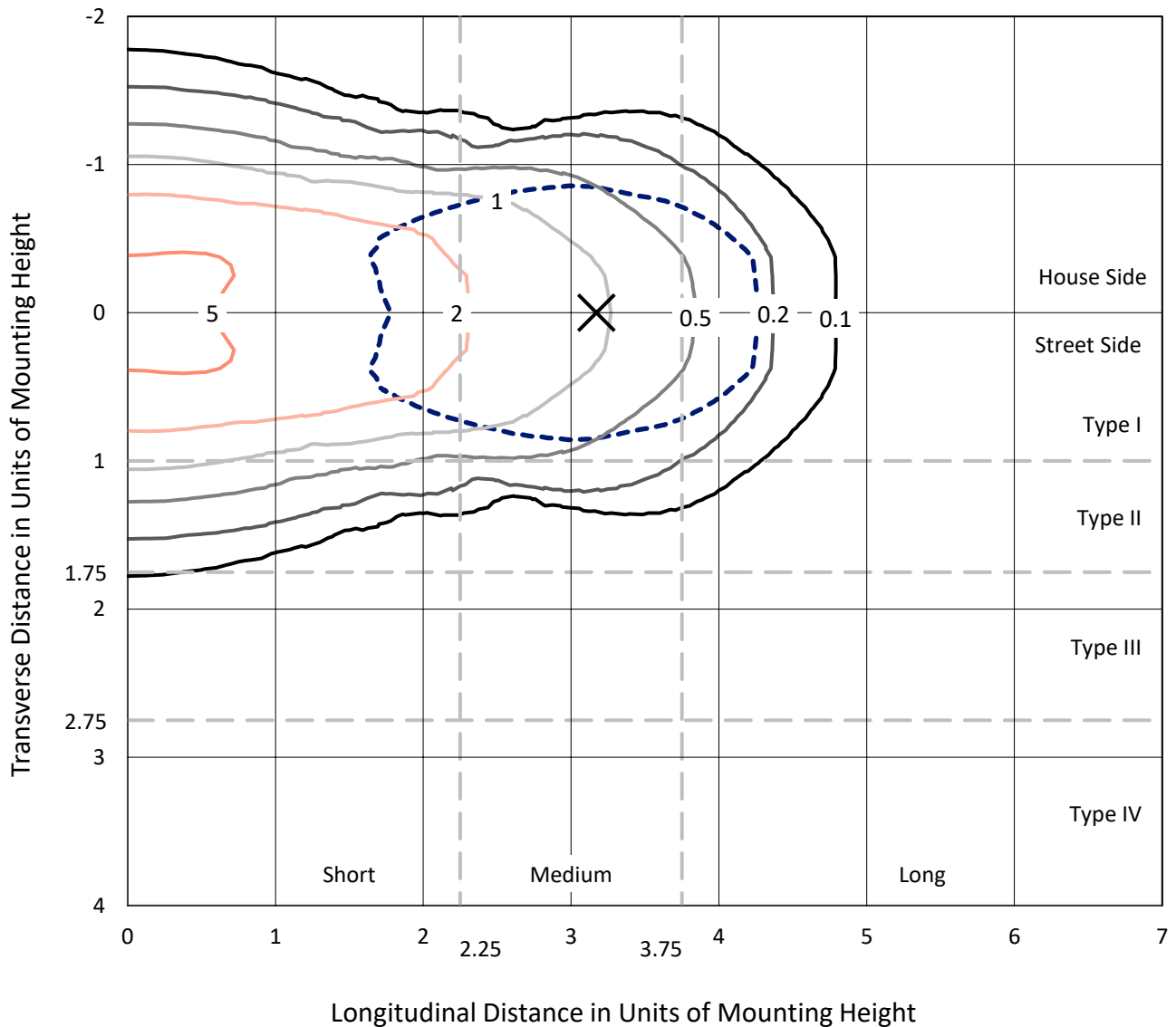
Input Watts (W): 170.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

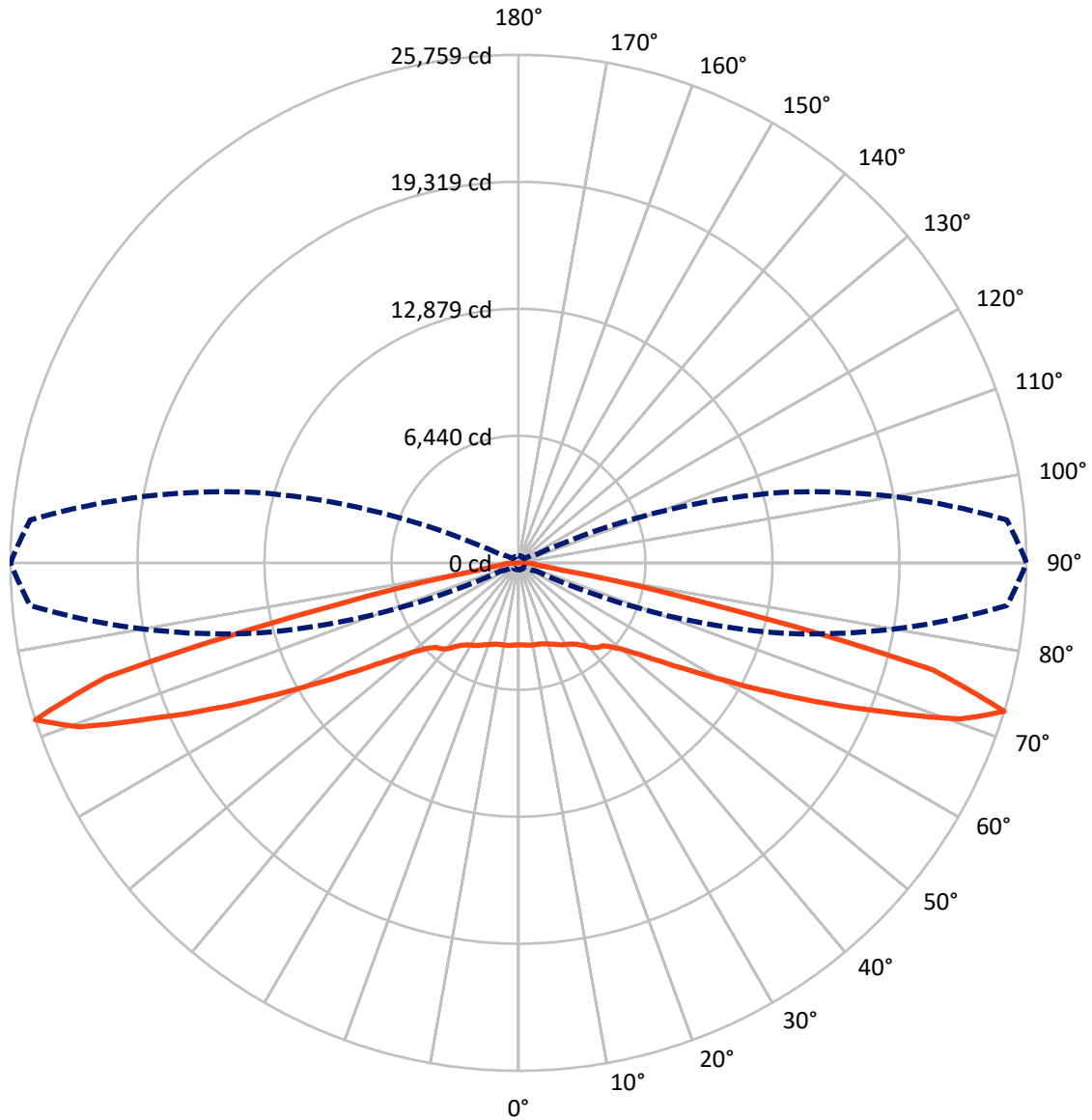
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.7 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	11140.5	0.0	11140.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	11140.5	0.0	11140.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	22281.0	0.0	22281.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	403.7	1.8
10°-20°	1234.3	5.5
20°-30°	2058.1	9.2
30°-40°	2830.6	12.7
40°-50°	3456.9	15.5
50°-60°	3998.3	17.9
60°-70°	4767.3	21.4
70°-80°	3327.3	14.9
80°-90°	204.4	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°	22281.0	100.0
0°-180°	22281.0	100.0

Coefficient of Utilization

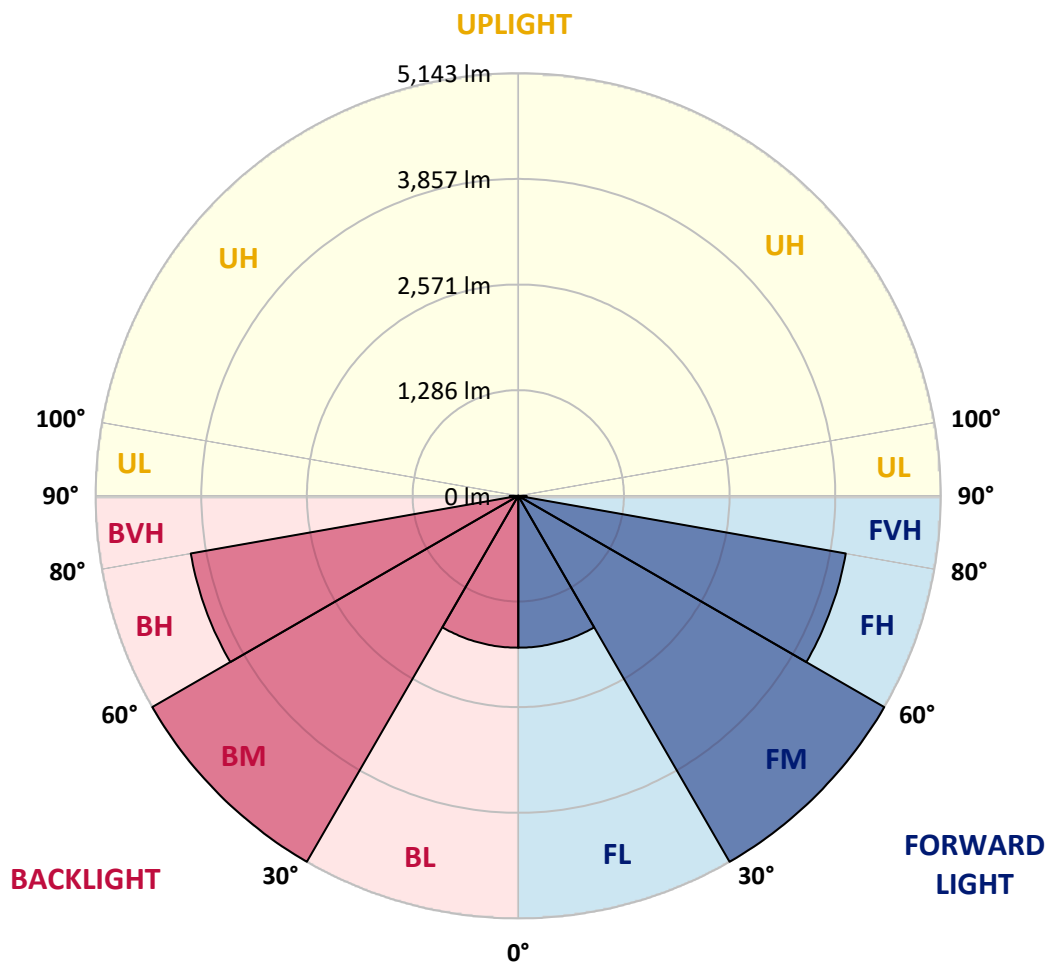


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1848.1	8.3			
FM (30°-60°)	5142.9	23.1			
FH (60°-80°)	4047.3	18.2			G2/5000
FVH (80°-90°)	102.2	0.5			G2/225
BL (0°-30°)	1848.1	8.3	B3/2500		
BM (30°-60°)	5142.9	23.1	B4/8500		
BH (60°-80°)	4047.3	18.2	B4/5000		G4/5000
BVH (80°-90°)	102.2	0.5			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G4
 Type I Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	4163.4	4163.4	4163.4	4163.4	4163.4	4163.4	4163.4	4163.4	4163.4	4163.4
2.5°	4167.0	4171.7	4171.7	4168.2	4176.5	4169.4	4169.4	4165.8	4169.4	4165.8
5°	4188.3	4194.2	4196.6	4195.4	4206.1	4200.1	4200.1	4195.4	4196.6	4193.0
7.5°	4228.6	4236.9	4241.6	4247.5	4262.9	4255.8	4251.1	4236.9	4230.9	4221.5
10°	4241.6	4251.1	4266.5	4297.2	4332.8	4334.0	4319.7	4284.2	4257.0	4235.7
12.5°	4201.3	4214.4	4246.3	4309.1	4388.4	4420.4	4397.9	4338.7	4285.4	4247.5
15°	4150.4	4164.6	4213.2	4307.9	4425.1	4499.7	4497.4	4419.2	4334.0	4274.7
17.5°	4071.1	4085.3	4155.2	4287.8	4453.6	4576.7	4609.9	4529.3	4409.7	4330.4
20°	3927.8	3940.8	4037.9	4223.8	4463.0	4658.4	4744.9	4673.8	4524.6	4416.8
22.5°	3741.9	3762.0	3875.7	4113.7	4440.5	4743.7	4898.8	4850.2	4658.4	4509.2
25°	3543.0	3564.3	3696.9	3978.7	4382.5	4805.2	5081.1	5050.4	4810.0	4624.1
27.5°	3371.2	3393.7	3538.2	3844.9	4292.5	4828.9	5261.1	5276.5	4993.5	4750.8
30°	3236.3	3257.6	3411.5	3737.1	4176.5	4805.2	5418.6	5525.2	5180.6	4860.9
32.5°	3088.2	3115.5	3277.7	3605.7	4039.1	4748.4	5556.0	5794.0	5397.3	4979.3
35°	2901.1	2926.0	3096.5	3425.7	3859.1	4657.2	5670.9	6092.4	5707.6	5159.3
37.5°	2673.8	2697.5	2866.8	3200.7	3680.3	4529.3	5758.5	6428.7	6077.0	5418.6
40°	2445.3	2467.8	2626.4	2949.7	3466.0	4365.9	5789.3	6757.9	6500.9	5775.1
42.5°	2235.7	2255.8	2401.4	2702.2	3225.6	4157.5	5749.0	7044.5	6881.0	6023.7
45°	2042.6	2060.4	2189.5	2470.1	2975.7	3904.1	5628.2	7352.3	7333.4	6201.3
47.5°	1822.4	1840.2	1974.0	2245.1	2725.9	3606.9	5423.4	7655.5	7962.2	6604.0
50°	1553.6	1569.0	1706.3	1985.8	2466.6	3290.7	5139.2	7893.5	8755.5	7213.8
52.5°	1235.1	1251.6	1385.4	1664.9	2158.7	2950.9	4765.0	8048.6	9672.1	8104.3
55°	918.9	930.7	1046.8	1297.8	1777.4	2563.7	4296.1	8092.4	10711.7	9321.6
57.5°	666.7	673.8	748.4	935.5	1347.6	2079.4	3726.5	7978.7	11949.2	10882.3
60°	540.0	542.3	564.8	647.7	936.7	1532.3	3038.5	7588.0	13292.0	12894.1
62.5°	490.2	490.2	496.2	518.7	633.5	1011.3	2206.1	6778.0	14731.9	15436.5
65°	455.9	455.9	458.3	468.9	499.7	644.2	1392.5	5458.9	15945.6	18414.6
67.5°	425.1	426.3	425.1	428.7	446.4	476.0	807.6	3770.3	16599.3	21500.4
70°	393.1	395.5	389.6	389.6	403.8	405.0	505.6	2067.5	16057.0	24086.6
72.5°	355.2	358.8	349.3	347.0	357.6	352.9	380.1	992.3	13785.8	24858.7
75°	322.1	326.8	305.5	299.6	299.6	296.0	309.1	509.2	8947.4	20278.4
77.5°	292.5	302.0	267.6	248.7	243.9	233.3	252.2	311.4	3913.6	9520.5
80°	241.6	254.6	220.3	197.8	189.5	177.6	198.9	217.9	1164.0	2210.8
82.5°	180.0	185.9	156.3	140.9	133.8	125.5	149.2	151.6	378.9	782.7
85°	114.9	117.2	95.9	82.9	79.3	75.8	94.7	82.9	144.5	575.5
87.5°	40.3	46.2	36.7	33.2	35.5	29.6	43.8	24.9	40.3	406.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

4163.4
4165.8
4193.0
4221.5
4232.1
4241.6
4265.3
4317.4
4396.7
4482.0
4586.2
4710.5
4802.9
4905.9
5077.6
5309.7
5659.0
5874.5
6000.0
6371.9
6922.5
7745.5
8872.8
10317.4
12182.4
14483.2
17209.1
20199.1
23744.4
25758.6
21689.9
9322.7
2117.2
884.6
836.0
503.3
0.0

OF REPORT)