

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: P850181

Luminaire Tested: **GLAN-SB7C-827-U-5WQ**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P850181
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-SB7C-827-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 80 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 42953 lumens
Efficiency: N/A
Efficacy: 122.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

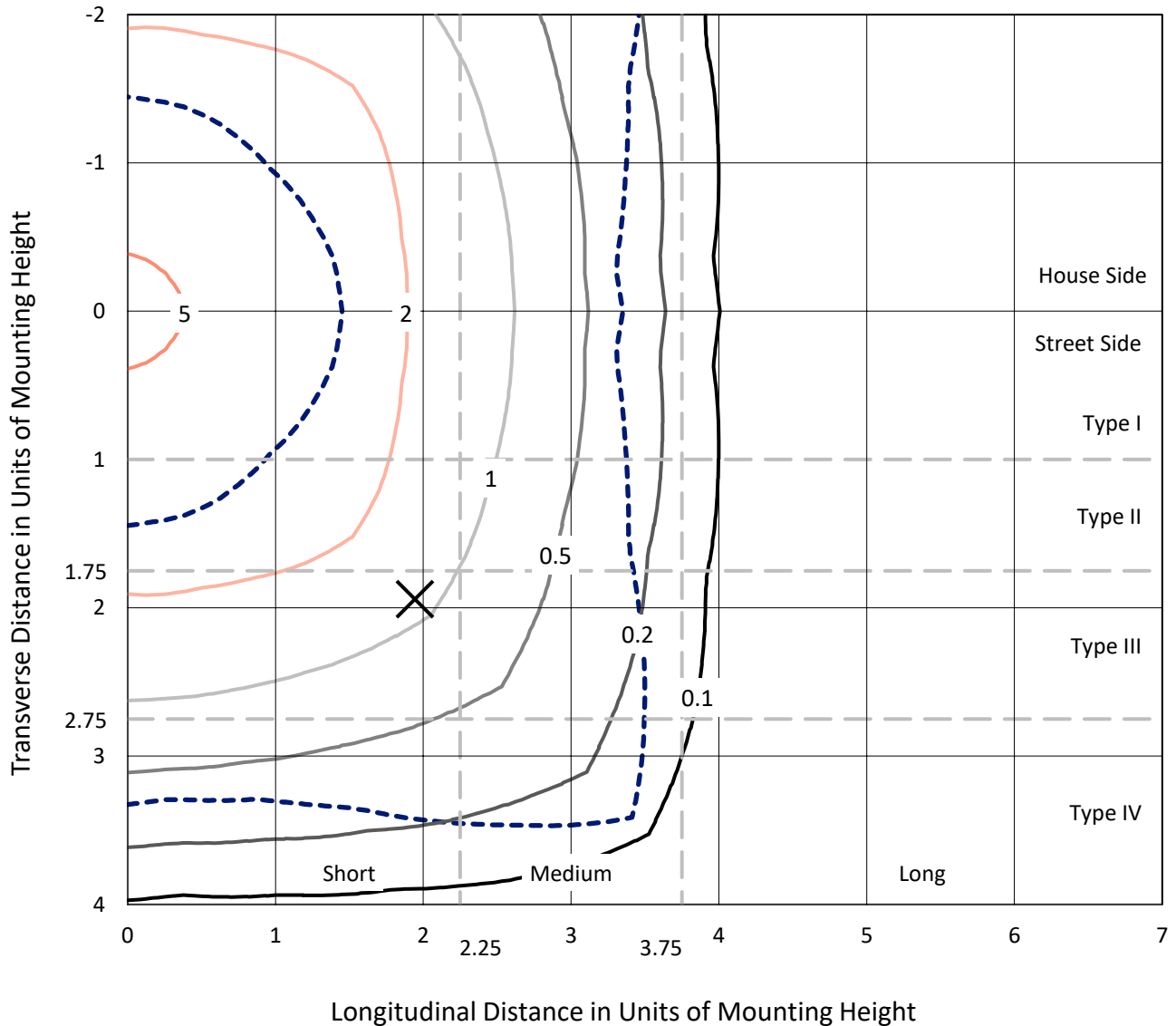
Input Watts (W): 350.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

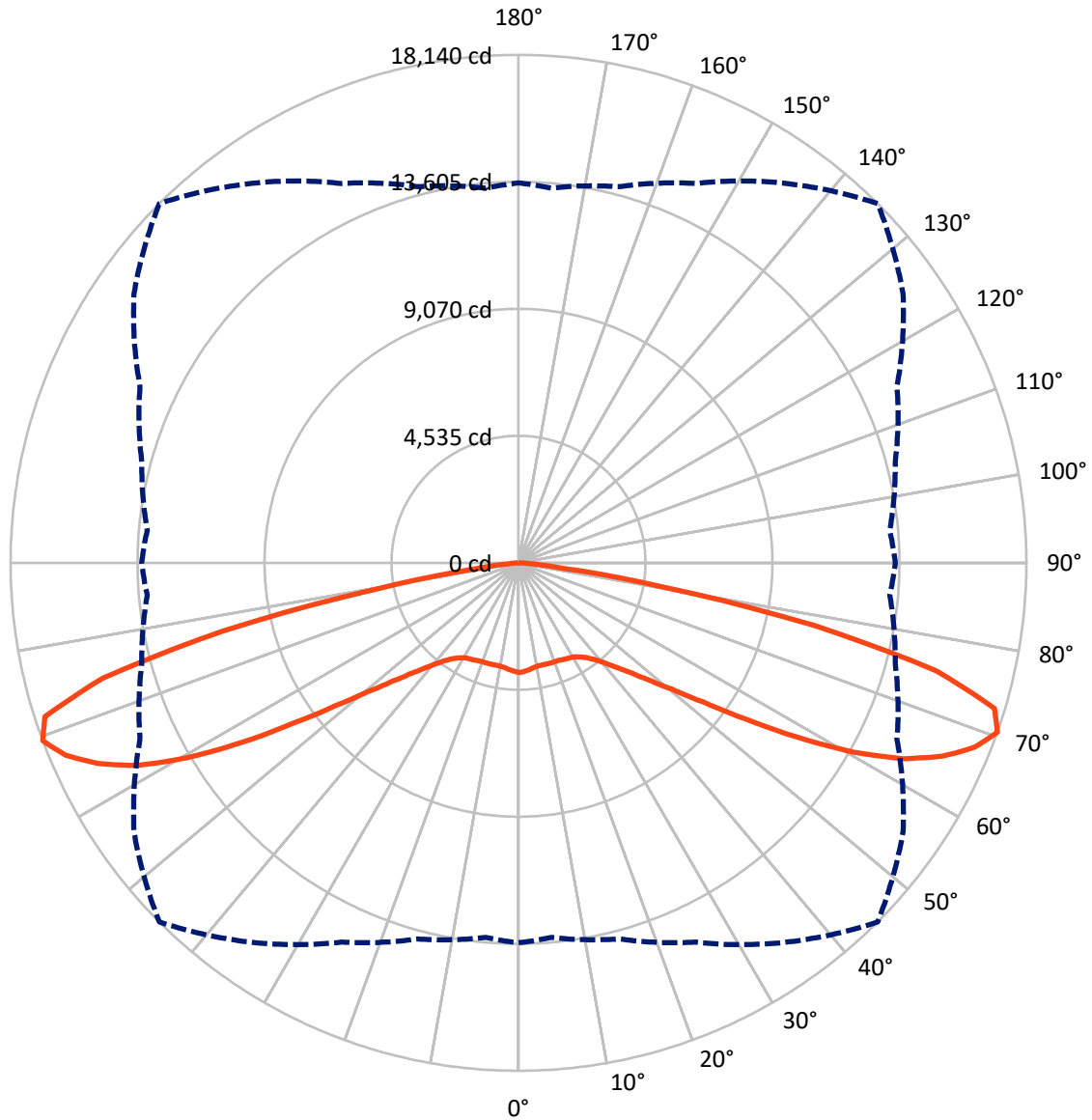
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.3 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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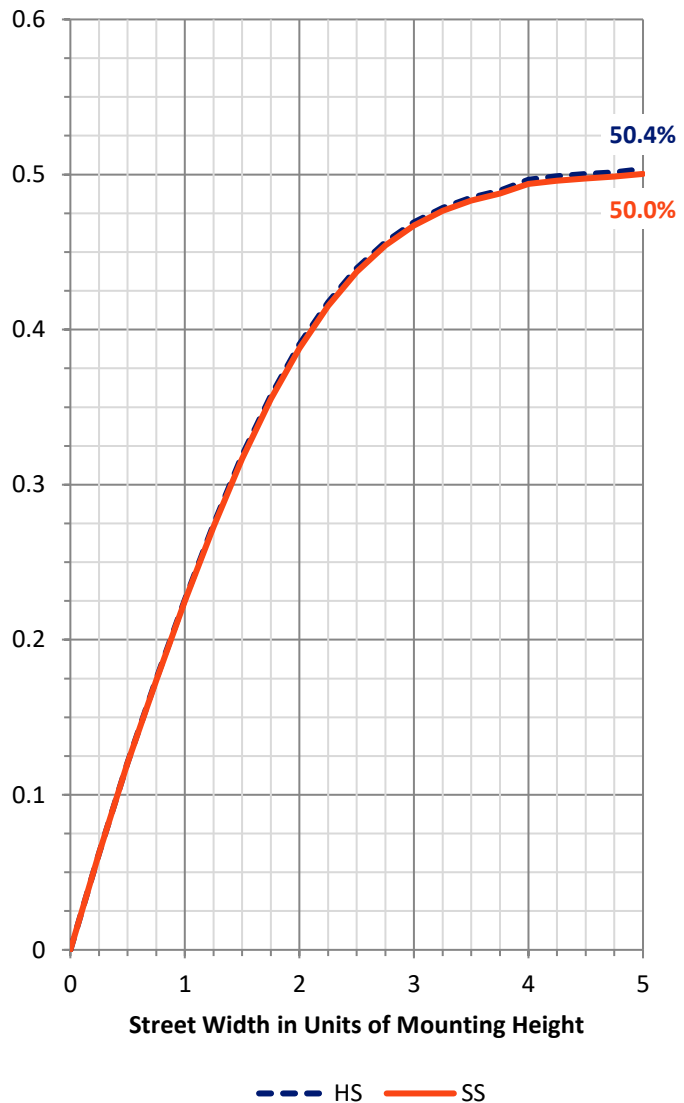
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	21476.5	0.0	21476.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	21476.5	0.0	21476.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	42953.0	0.0	42953.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	364.5	0.8
10°-20°	1070.2	2.5
20°-30°	1781.0	4.1
30°-40°	2693.4	6.3
40°-50°	4475.8	10.4
50°-60°	8445.6	19.7
60°-70°	14260.8	33.2
70°-80°	9370.8	21.8
80°-90°	490.9	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°	42953.0	100.0
0°-180°	42953.0	100.0

Coefficient of Utilization



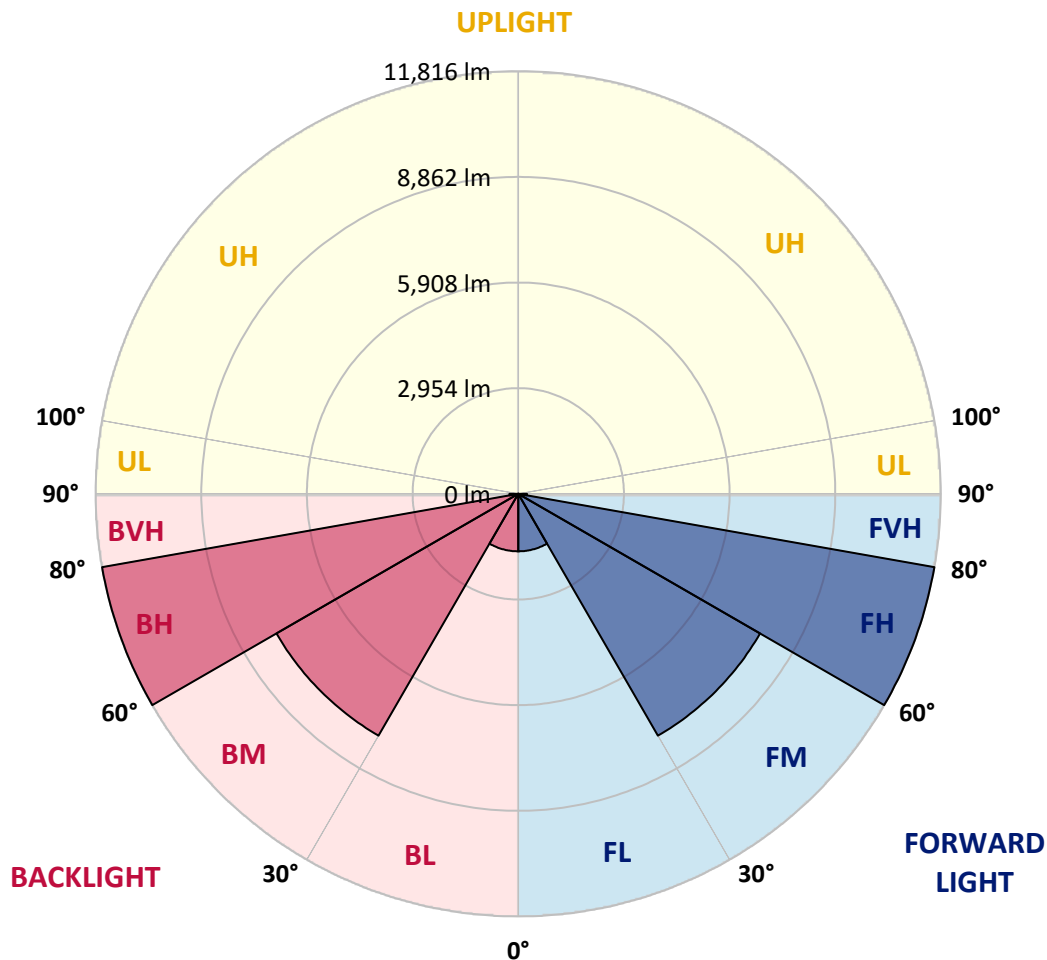
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1607.8	3.7			
FM (30°-60°)	7807.4	18.2			
FH (60°-80°)	11815.8	27.5			G4/12000
FVH (80°-90°)	245.5	0.6			G3/500
BL (0°-30°)	1607.8	3.7	B3/2500		
BM (30°-60°)	7807.4	18.2	B4/8500		
BH (60°-80°)	11815.8	27.5	B5		G4/12000
BVH (80°-90°)	245.5	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°	3918.2	3918.2	3918.2	3918.2	3918.2	3918.2	3918.2	3918.2	3918.2	3918.2
2.5°	3893.6	3904.8	3900.3	3891.4	3891.4	3884.7	3891.4	3895.9	3902.6	3907.0
5°	3842.3	3851.2	3849.0	3842.3	3844.5	3837.8	3842.3	3849.0	3853.4	3855.7
7.5°	3797.6	3806.5	3802.1	3790.9	3790.9	3784.2	3786.5	3793.2	3799.9	3802.1
10°	3786.5	3795.4	3782.0	3764.1	3757.4	3748.5	3750.7	3757.4	3770.8	3777.5
12.5°	3790.9	3797.6	3784.2	3757.4	3750.7	3741.8	3741.8	3748.5	3766.4	3775.3
15°	3804.3	3811.0	3790.9	3761.9	3755.2	3748.5	3746.3	3755.2	3775.3	3790.9
17.5°	3828.9	3835.6	3804.3	3764.1	3755.2	3757.4	3755.2	3761.9	3793.2	3822.2
20°	3851.2	3855.7	3813.2	3764.1	3755.2	3757.4	3755.2	3768.6	3808.8	3849.0
22.5°	3857.9	3862.4	3822.2	3779.8	3773.1	3775.3	3773.1	3786.5	3824.4	3864.6
25°	3860.1	3866.8	3835.6	3802.1	3813.2	3817.7	3813.2	3815.5	3844.5	3880.2
27.5°	3893.6	3902.6	3873.5	3844.5	3851.2	3849.0	3855.7	3862.4	3884.7	3920.4
30°	3962.8	3969.5	3945.0	3915.9	3911.5	3895.9	3915.9	3938.3	3962.8	3994.1
32.5°	4076.7	4090.1	4058.8	4027.6	4007.5	3998.6	4014.2	4052.1	4085.6	4119.1
35°	4266.5	4275.4	4246.4	4188.3	4152.6	4152.6	4166.0	4215.1	4268.7	4311.1
37.5°	4534.4	4545.5	4494.2	4425.0	4371.4	4371.4	4389.3	4440.6	4521.0	4581.3
40°	4860.3	4876.0	4811.2	4739.8	4688.4	4679.5	4701.8	4759.9	4835.8	4911.7
42.5°	5253.3	5271.1	5186.3	5123.8	5083.6	5083.6	5094.7	5148.3	5217.5	5311.3
45°	5755.6	5786.8	5670.8	5608.2	5570.3	5579.2	5585.9	5632.8	5695.3	5802.5
47.5°	6353.9	6385.2	6262.4	6197.6	6190.9	6233.4	6206.6	6240.1	6273.6	6396.3
50°	7032.6	7086.2	7001.4	6996.9	7010.3	7088.4	7025.9	7043.8	7005.8	7084.0
52.5°	7863.1	7941.3	7925.7	7952.5	8102.0	8262.8	8119.9	8057.4	7914.5	7939.1
55°	8870.0	8988.4	9010.7	9171.4	9510.8	9839.0	9535.4	9283.1	8979.4	8923.6
57.5°	10015.4	10109.1	10216.3	10544.5	11178.5	11761.2	11178.5	10620.4	10142.6	10028.8
60°	11247.7	11363.8	11466.5	11951.0	12893.2	13712.5	12875.3	11989.0	11357.1	11203.1
62.5°	12571.7	12721.2	12792.7	13330.7	14429.2	15407.0	14444.8	13370.9	12669.9	12504.7
65°	13842.0	13964.8	14045.2	14618.9	15668.2	16648.4	15739.7	14681.4	13960.3	13743.8
67.5°	14433.6	14500.6	14697.1	15346.8	16454.1	17572.6	16641.7	15416.0	14610.0	14230.5
70°	13567.4	13431.2	13904.5	14944.9	16547.9	18139.7	16762.2	14913.6	13926.8	13310.6
72.5°	10484.2	10249.8	11071.4	12850.7	15476.2	17778.0	15583.4	12951.2	11582.6	10332.4
75°	5704.2	5438.6	6572.7	8823.2	12341.7	15409.3	12625.2	9075.4	7318.4	5661.8
77.5°	1609.7	1509.2	2424.6	4268.7	7423.3	10819.1	7709.1	4362.5	2875.6	1705.7
80°	493.4	477.8	647.4	1286.0	3152.4	5181.8	3029.6	1301.6	823.8	520.2
82.5°	292.5	267.9	321.5	468.8	803.7	1627.6	781.4	488.9	392.9	263.4
85°	167.4	156.3	189.8	227.7	270.1	346.0	225.5	232.2	209.9	140.7
87.5°	69.2	62.5	73.7	71.4	62.5	80.4	60.3	71.4	84.8	55.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
3918.2
3904.8
3855.7
3802.1
3777.5
3777.5
3793.2
3822.2
3851.2
3864.6
3878.0
3911.5
3987.4
4105.7
4295.5
4558.9
4887.1
5304.6
5798.0
6360.6
7037.1
7856.5
8836.6
9948.4
11069.1
12370.7
13636.6
14234.9
13458.0
10642.7
6030.2
1895.5
549.2
285.8
147.4
51.3
0.0

OF REPORT)