

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: P943930

Luminaire Tested: **GLAN-SB8C-927-U-5WQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P943930
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-1)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB8C-927-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 90 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: 37286 lumens
Efficiency: N/A
Efficacy: 93.3 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): 399.8
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



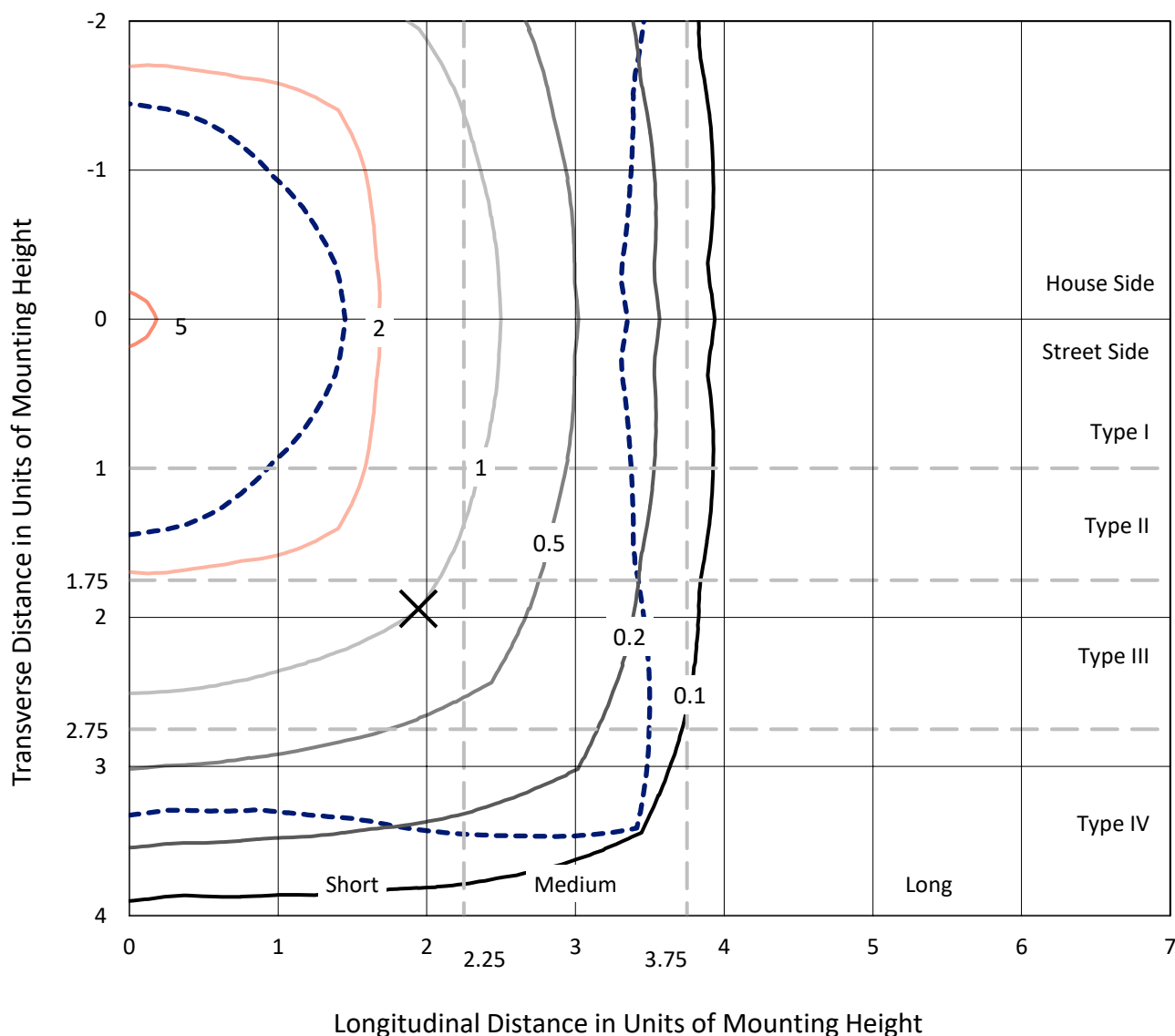
REPORT NUMBER: P943930

CATALOG NUMBER: GLAN-SB8C-927-U-5WQ

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

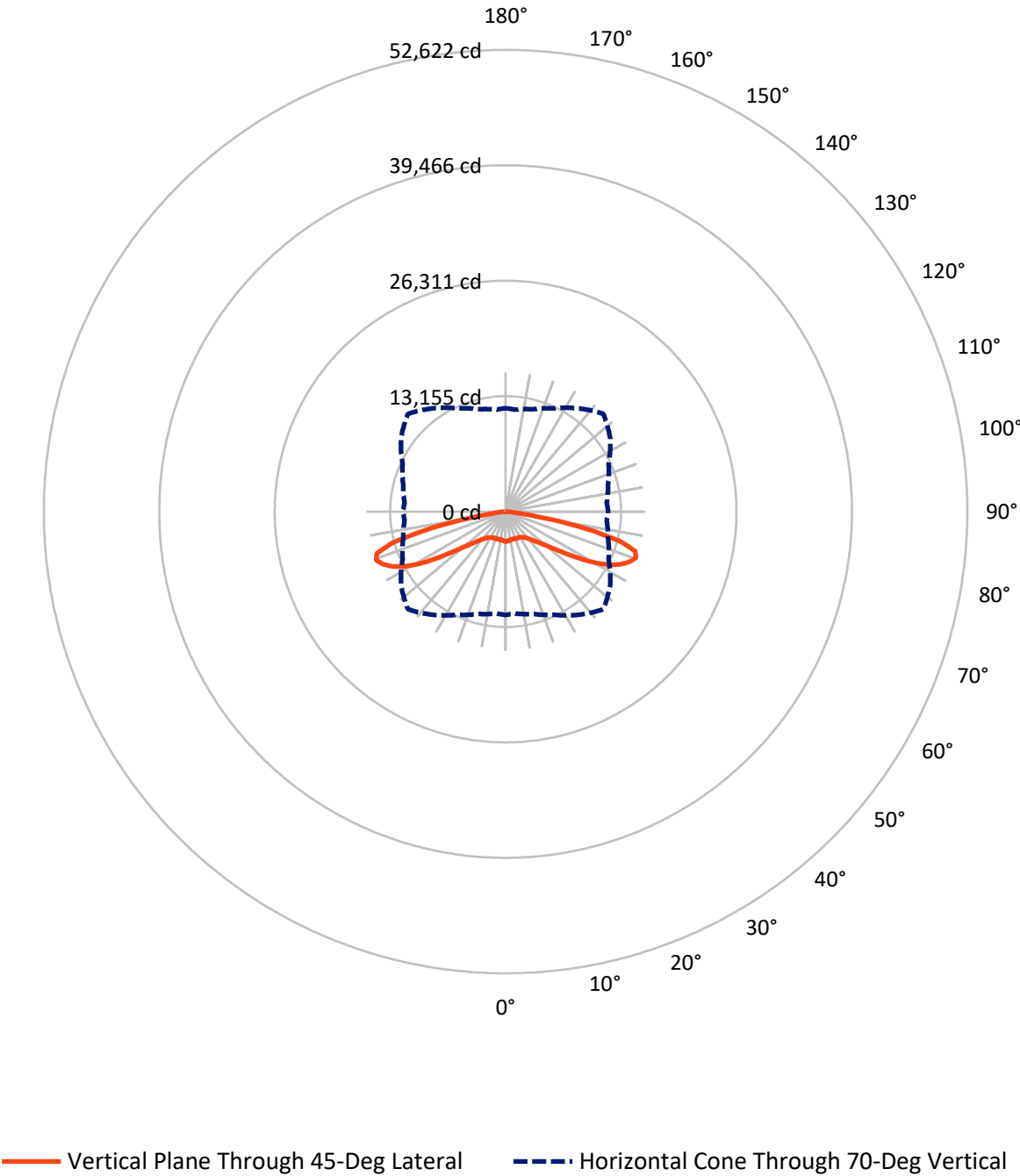


Based on 25 foot mounting height. Maximum calculated value = 5.4 fc

Type V - Short - N/A

REPORT NUMBER: P943930
CATALOG NUMBER: GLAN-SB8C-927-U-5WQ

Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	18643.0	0.0	18643.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	18643.0	0.0	18643.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	37286.0	0.0	37286.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	316.4	0.8
10°-20°	929.0	2.5
20°-30°	1546.0	4.1
30°-40°	2338.0	6.3
40°-50°	3885.3	10.4
50°-60°	7331.4	19.7
60°-70°	12379.3	33.2
70°-80°	8134.5	21.8
80°-90°	426.2	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°	37286.0	100.0
0°-180°	37286.0	100.0

Coefficient of Utilization



REPORT NUMBER: P943930

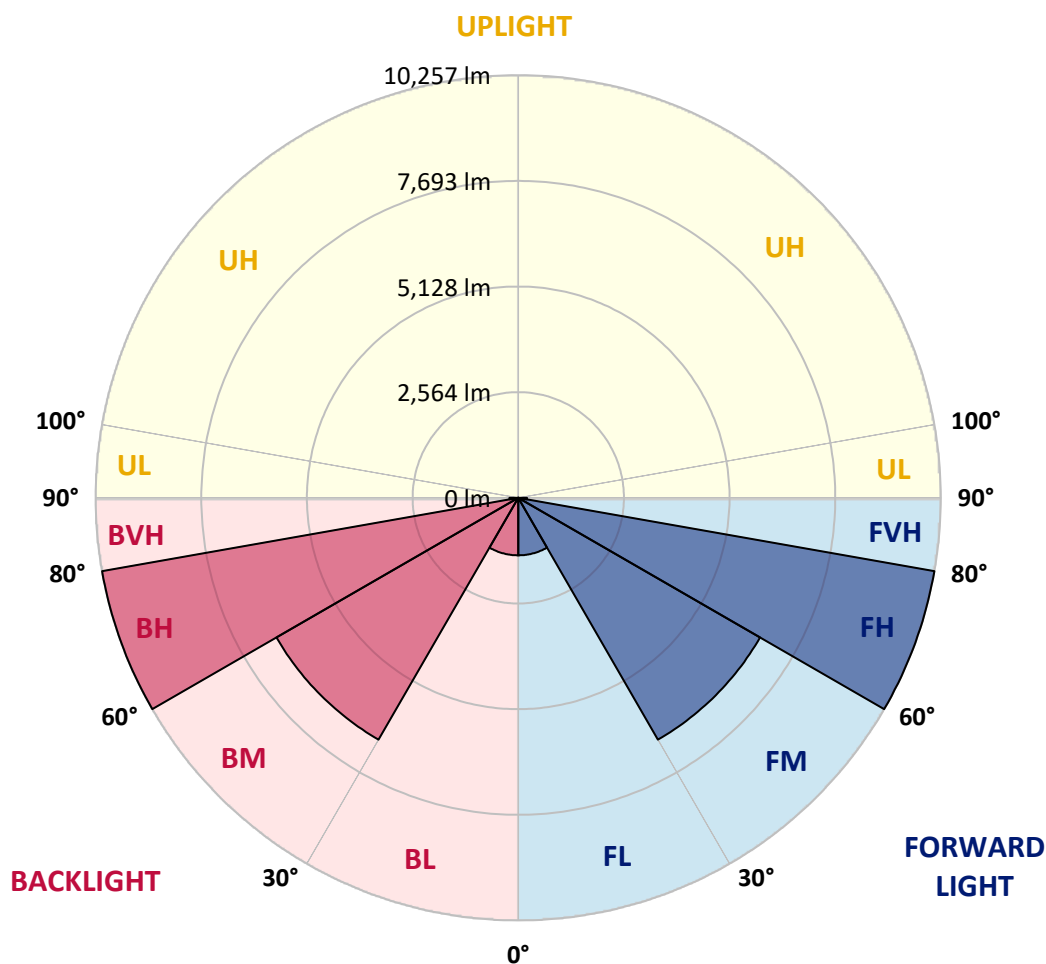
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1395.7	3.7			
FM	(30°-60°)	6777.3	18.2			
FH	(60°-80°)	10256.9	27.5			G4/12000
FVH	(80°-90°)	213.1	0.6			G2/225
BL	(0°-30°)	1395.7	3.7	B3/2500		
BM	(30°-60°)	6777.3	18.2	B4/8500		
BH	(60°-80°)	10256.9	27.5	B5		G4/12000
BVH	(80°-90°)	213.1	0.6			G2/225
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°	3401.2	3401.2	3401.2	3401.2	3401.2	3401.2	3401.2	3401.2	3401.2	3401.2
2.5°	3379.9	3389.6	3385.7	3378.0	3378.0	3372.2	3378.0	3381.9	3387.7	3391.5
5°	3335.3	3343.1	3341.2	3335.3	3337.3	3331.5	3335.3	3341.2	3345.0	3347.0
7.5°	3296.6	3304.3	3300.5	3290.8	3290.8	3285.0	3286.9	3292.7	3298.5	3300.5
10°	3286.9	3294.6	3283.0	3267.5	3261.7	3253.9	3255.9	3261.7	3273.3	3279.1
12.5°	3290.8	3296.6	3285.0	3261.7	3255.9	3248.1	3248.1	3253.9	3269.4	3277.2
15°	3302.4	3308.2	3290.8	3265.6	3259.8	3253.9	3252.0	3259.8	3277.2	3290.8
17.5°	3323.7	3329.5	3302.4	3267.5	3259.8	3261.7	3259.8	3265.6	3292.7	3317.9
20°	3343.1	3347.0	3310.1	3267.5	3259.8	3261.7	3259.8	3271.4	3306.3	3341.2
22.5°	3348.9	3352.8	3317.9	3281.1	3275.3	3277.2	3275.3	3286.9	3319.8	3354.7
25°	3350.8	3356.7	3329.5	3300.5	3310.1	3314.0	3310.1	3312.1	3337.3	3368.3
27.5°	3379.9	3387.7	3362.5	3337.3	3343.1	3341.2	3347.0	3352.8	3372.2	3403.2
30°	3440.0	3445.8	3424.5	3399.3	3395.4	3381.9	3399.3	3418.7	3440.0	3467.1
32.5°	3538.8	3550.5	3523.3	3496.2	3478.8	3471.0	3484.6	3517.5	3546.6	3575.7
35°	3703.6	3711.3	3686.1	3635.7	3604.7	3604.7	3616.4	3659.0	3705.5	3742.3
37.5°	3936.1	3945.8	3901.2	3841.2	3794.7	3794.7	3810.2	3854.7	3924.5	3976.8
40°	4219.1	4232.6	4176.4	4114.4	4069.9	4062.1	4081.5	4131.9	4197.8	4263.7
42.5°	4560.2	4575.7	4502.0	4447.8	4412.9	4412.9	4422.6	4469.1	4529.2	4610.6
45°	4996.2	5023.4	4922.6	4868.3	4835.4	4843.1	4848.9	4889.6	4943.9	5036.9
47.5°	5515.6	5542.8	5436.2	5380.0	5374.1	5411.0	5387.7	5416.8	5445.9	5552.4
50°	6104.8	6151.3	6077.6	6073.8	6085.4	6153.2	6099.0	6114.5	6081.5	6149.4
52.5°	6825.7	6893.6	6880.0	6903.2	7033.1	7172.6	7048.6	6994.3	6870.3	6891.6
55°	7699.8	7802.5	7821.9	7961.4	8256.0	8540.9	8277.3	8058.3	7794.7	7746.3
57.5°	8694.0	8775.4	8868.4	9153.3	9703.7	10209.5	9703.7	9219.2	8804.4	8705.6
60°	9763.8	9864.5	9953.7	10374.2	11192.1	11903.3	11176.6	10407.2	9858.7	9725.0
62.5°	10913.0	11042.9	11104.9	11571.9	12525.5	13374.3	12539.0	11606.8	10998.3	10854.9
65°	12015.8	12122.3	12192.1	12690.2	13601.1	14451.9	13663.1	12744.5	12118.5	11930.5
67.5°	12529.3	12587.5	12758.0	13322.0	14283.2	15254.2	14446.0	13382.1	12682.4	12353.0
70°	11777.4	11659.2	12070.0	12973.1	14364.6	15746.5	14550.7	12946.0	12089.4	11554.5
72.5°	9101.0	8897.5	9610.7	11155.3	13434.4	15432.5	13527.4	11242.5	10054.5	8969.2
75°	4951.7	4721.0	5705.5	7659.1	10713.4	13376.2	10959.5	7878.1	6352.8	4914.8
77.5°	1397.3	1310.1	2104.7	3705.5	6443.9	9391.7	6692.0	3786.9	2496.2	1480.7
80°	428.3	414.7	562.0	1116.3	2736.5	4498.2	2629.9	1129.9	715.1	451.6
82.5°	253.9	232.6	279.1	407.0	697.7	1412.8	678.3	424.4	341.1	228.7
85°	145.4	135.7	164.7	197.7	234.5	300.4	195.7	201.6	182.2	122.1
87.5°	60.1	54.3	64.0	62.0	54.3	69.8	52.3	62.0	73.6	48.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
3401.2
3389.6
3347.0
3300.5
3279.1
3279.1
3292.7
3317.9
3343.1
3354.7
3366.3
3395.4
3461.3
3564.0
3728.8
3957.4
4242.3
4604.7
5033.1
5521.4
6108.7
6819.9
7670.7
8635.8
9608.7
10738.6
11837.5
12356.8
11682.4
9238.6
5234.6
1645.4
476.8
248.1
127.9
44.6
0.0

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