

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: P949851

Luminaire Tested: **GLAN-SB4C-727-U-AFL-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P949851
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-15)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB4C-727-U-AFL-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 70 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND AUTOMOTIVE
FRONTLINE OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 23737 lumens
Efficiency: N/A
Efficacy: 118.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G2

Input Watts (W): 200.7
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

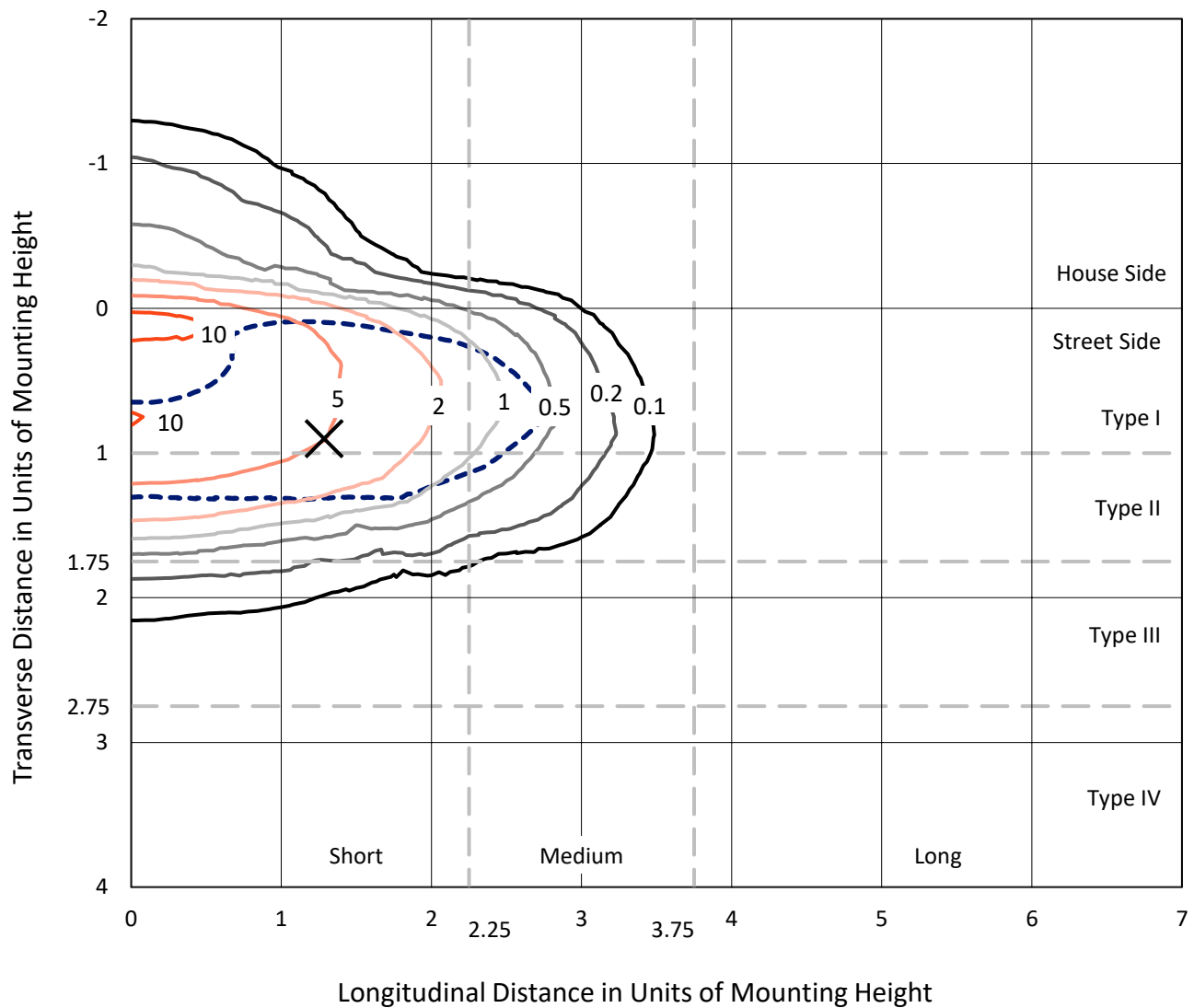


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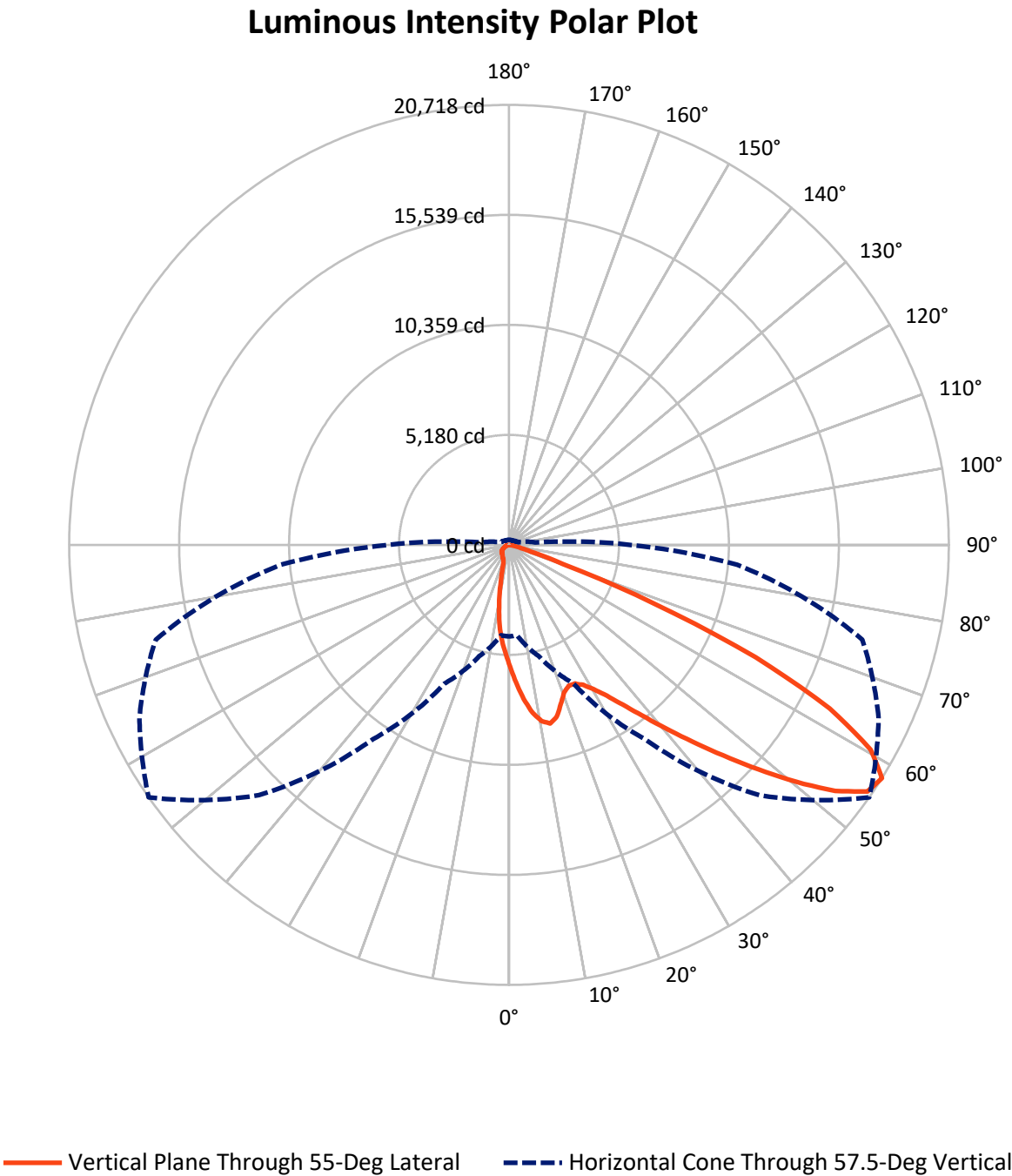
Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 13.1 fc
 Type II - Short - N/A

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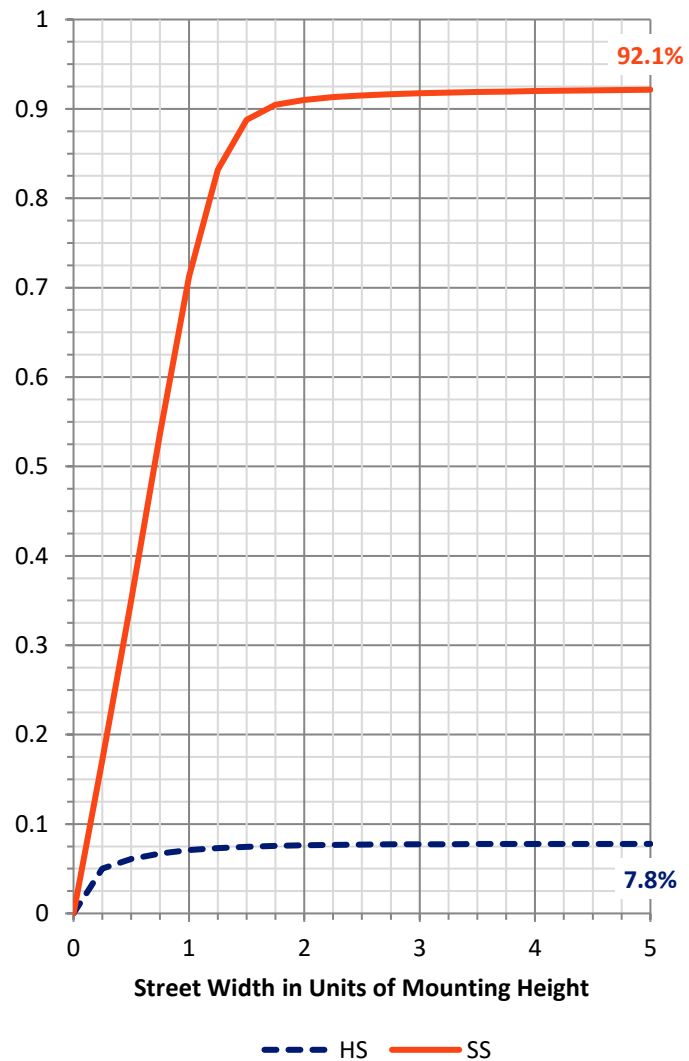
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1853.8	0.0	1853.8
	% Fixture	7.8	0.0	7.8
Street Side	Lumens	21883.2	0.0	21883.2
	% Fixture	92.2	0.0	92.2
Total	Lumens	23737.0	0.0	23737.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	532.2	2.2
10°-20°	1285.6	5.4
20°-30°	2056.9	8.7
30°-40°	3481.4	14.7
40°-50°	5715.8	24.1
50°-60°	6282.0	26.5
60°-70°	3603.4	15.2
70°-80°	736.3	3.1
80°-90°	43.4	0.2
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°	23737.0	100.0
0°-180°	23737.0	100.0

Coefficient of Utilization



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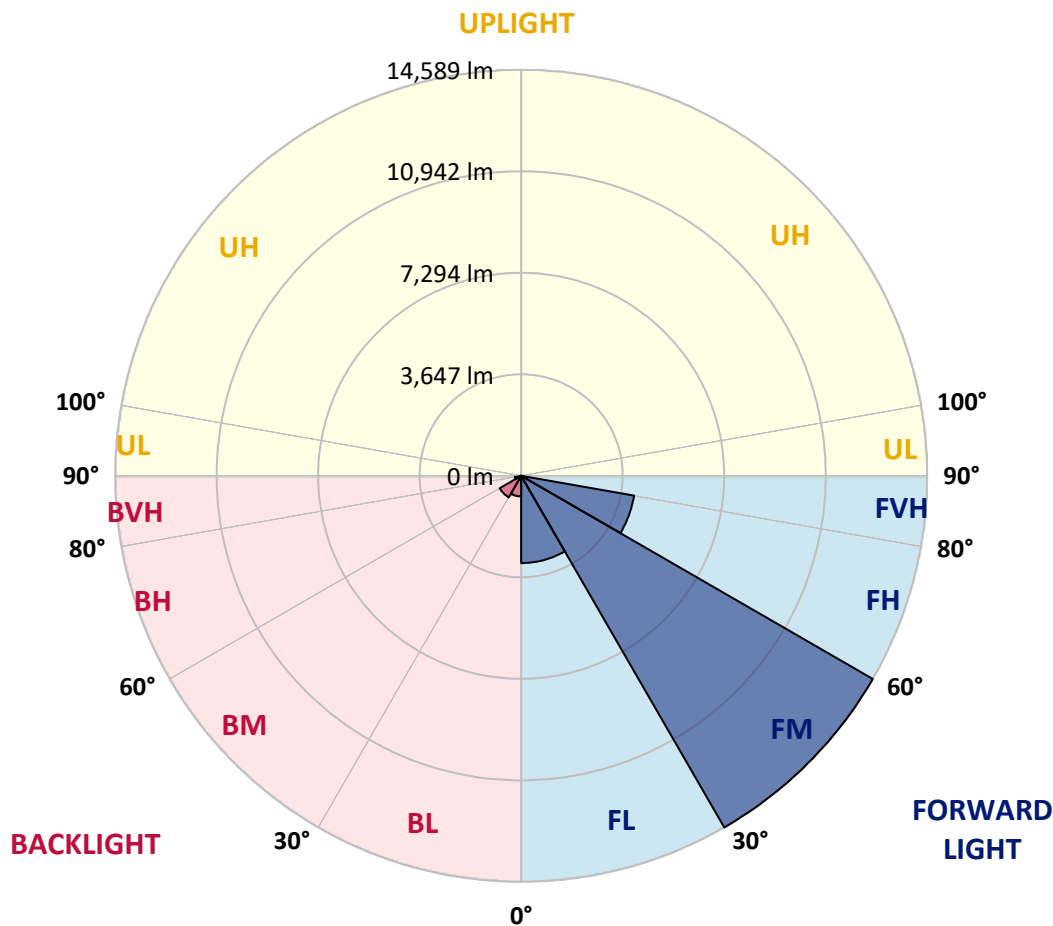
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3134.6	13.2			
FM	(30°-60°)	14588.9	61.5			
FH	(60°-80°)	4119.2	17.4			G2/5000
FVH	(80°-90°)	40.5	0.2			G1/100
BL	(0°-30°)	740.1	3.1	B2/1000		
BM	(30°-60°)	890.3	3.8	B1/1000		
BH	(60°-80°)	220.5	0.9	B1/500		G1/500
BVH	(80°-90°)	2.9	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	5720.0	5720.0	5720.0	5720.0	5720.0	5720.0	5720.0	5720.0	5720.0	5720.0
2.5°	7097.3	7008.1	6994.9	6977.3	6807.5	6680.2	6495.8	6293.8	6066.9	5835.7
5°	8199.5	8129.2	8116.1	8034.1	7840.9	7624.3	7296.4	6882.2	6459.2	5961.5
7.5°	8413.2	8400.0	8460.0	8457.1	8430.8	8259.5	7982.9	7489.6	6854.4	6116.7
10°	7460.3	7494.0	7672.6	7829.2	8252.2	8498.1	8438.1	8031.2	7261.3	6293.8
12.5°	6592.4	6552.9	6680.2	6857.3	7349.1	8080.9	8626.9	8483.4	7726.7	6494.3
15°	6047.9	6031.8	6103.5	6185.5	6560.2	7297.9	8407.3	8850.8	8174.6	6731.4
17.5°	5873.7	5860.5	5882.5	5903.0	6146.0	6716.8	7884.8	9076.2	8603.5	7002.2
20°	6015.7	5998.1	5995.2	5979.1	6080.1	6469.4	7412.0	9092.3	8988.4	7248.1
22.5°	6429.9	6409.4	6337.7	6273.3	6282.1	6503.1	7201.3	8931.3	9278.2	7477.9
25°	7180.8	7147.1	6997.8	6781.2	6643.6	6737.3	7233.5	8719.1	9554.9	7657.9
27.5°	8120.5	8076.5	7884.8	7562.8	7248.1	7133.9	7466.2	8572.7	9784.7	7795.5
30°	9041.1	8984.0	8795.2	8544.9	8085.3	7725.3	7886.3	8637.1	10058.4	7939.0
32.5°	10034.9	9980.8	9730.5	9420.2	9039.6	8555.2	8461.5	8951.8	10393.5	8139.5
35°	11292.2	11207.3	10851.7	10428.7	10024.7	9534.4	9240.2	9494.8	10840.0	8445.4
37.5°	12723.7	12609.5	12226.1	11642.1	11115.1	10566.3	10188.6	10241.3	11494.2	8855.2
40°	14073.2	13969.3	13615.1	13064.7	12403.2	11737.2	11334.7	11217.6	12397.3	9354.3
42.5°	14882.6	14788.9	14639.7	14406.9	13849.3	13170.1	12662.2	12409.0	13465.8	9951.5
45°	14928.0	14846.0	15046.6	15317.3	15207.6	147				

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CANDELA DISTRIBUTION (continued):

90°		95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
5720.0	0°	5720.0	5720.0	5720.0	5720.0	5720.0	5720.0	5720.0	5720.0	5720.0	5720.0
5733.2	2.5°	5627.8	5420.0	5218.0	5052.6	4956.0	4792.1	4683.8	4666.2	4620.8	4660.3
5747.8	5°	5519.5	5147.7	4771.6	4434.9	4158.3	3801.2	3534.8	3422.1	3324.0	3357.7
5785.9	7.5°	5468.3	4881.3	4295.9	3720.7	3129.3	2558.5	2134.0	1956.9	1822.3	1841.3
5828.3	10°	5399.5	4604.7	3687.0	2808.8	2016.9	1453.4	1160.7	1052.4	992.4	993.8
5891.3	12.5°	5346.8	4273.9	2980.0	1904.2	1228.0	928.0	837.2	810.9	793.3	794.8
5986.4	15°	5320.4	3884.6	2281.9	1269.0	878.2	786.0	764.0	752.3	740.6	739.2
6091.8	17.5°	5276.5	3451.3	1670.1	926.5	768.4	736.2	717.2	704.0	689.4	686.5
6182.6	20°	5210.7	2959.5	1220.7	783.1	720.1	695.2	668.9	651.3	633.8	630.8
6239.6	22.5°	5089.2	2439.9	938.2	724.5	685.0	657.2	625.0	604.5	586.9	584.0
6211.8	25°	4863.8	1952.5	790.4	687.9	654.3	620.6	585.5	557.7	541.6	538.6
6151.8	27.5°	4578.4	1533.9	717.2	654.3	614.7	584.0	544.5	518.1	503.5	500.6
6072.8	30°	4241.7	1181.2	674.8	616.2	567.9	541.6	506.4	484.5	475.7	475.7
6017.2	32.5°	3878.7	944.1	657.2	578.2	526.9	497.6	469.8	461.1	458.1	456.7
6047.9	35°	3537.7	819.7	648.4	547.4	490.3	462.5	450.8	452.3	458.1	458.1
6143.0	37.5°	3234.7	780.1	644.0	525.5	458.1	433.2	440.6	453.7	447.9	447.9
6309.9	40°	2961.0	784.5	641.1	509.4	431.8	417.1	431.8	421.5	406.9	405.4
6513.3	42.5°	2751.7	821.1	635.2	496.2	415.7	405.4	399.6	383.5	382.0	384.9
6724.1	45°	2599.5	853.3	633.8	490.3	398.1	379				

