

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: P955246

Luminaire Tested: **GLAN-SB8B-735-U-5MQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P955246
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-20)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB8B-735-U-5MQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 70 CRI, 3500K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 47685 lumens
Efficiency: N/A
Efficacy: 162.9 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): 292.8
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



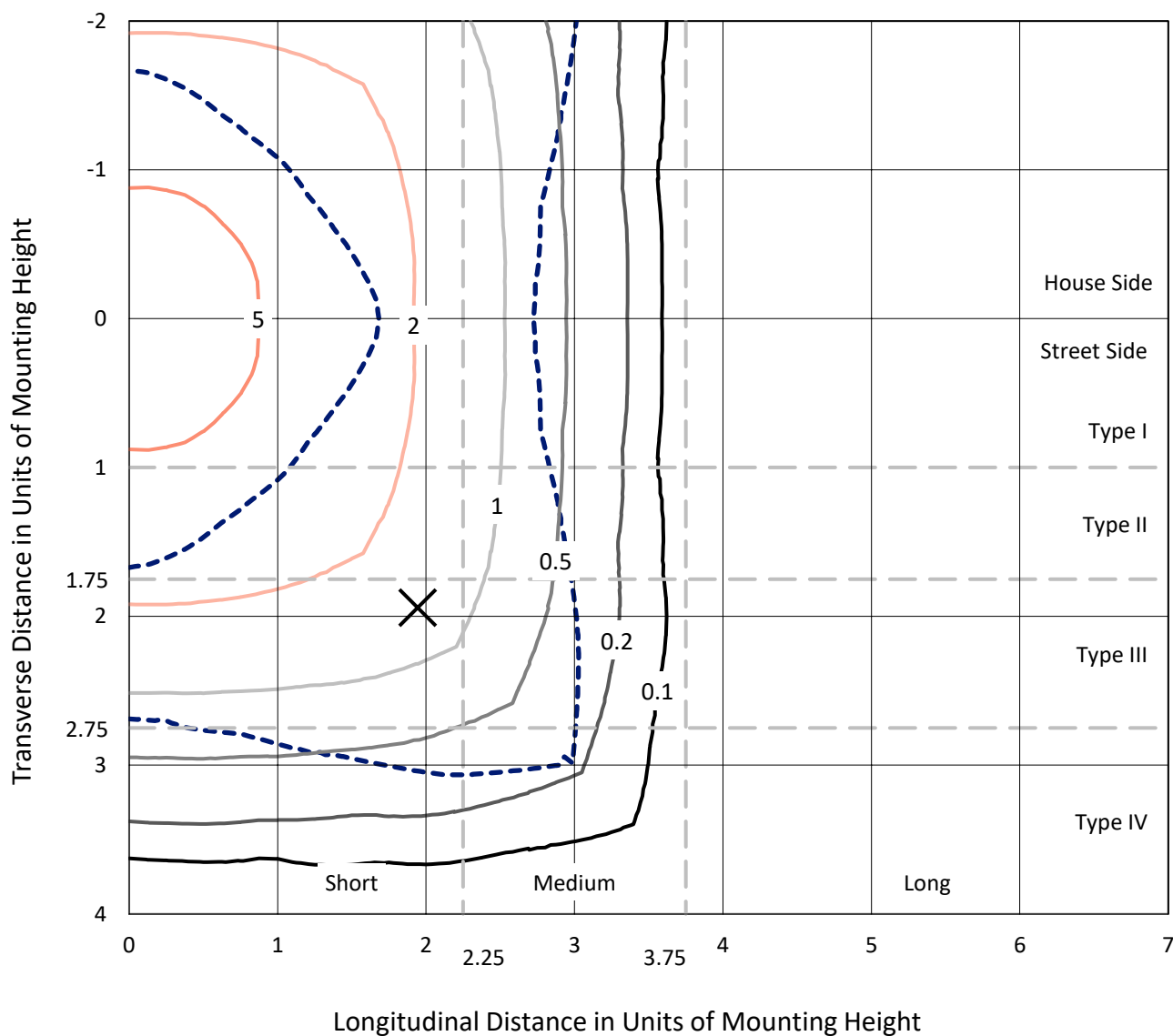
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

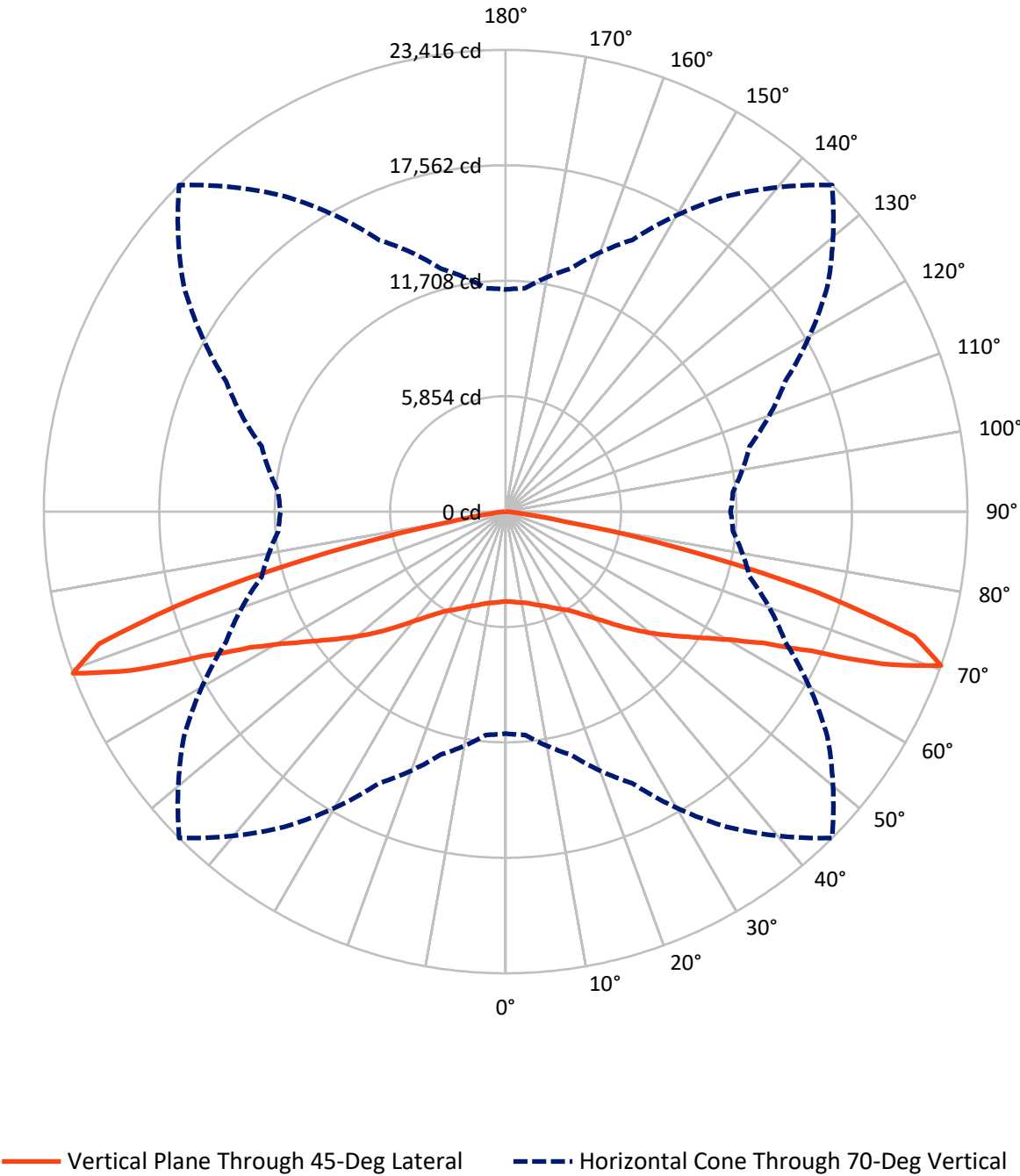


Based on 25 foot mounting height. Maximum calculated value = 7.3 fc

Type V - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	23842.5	0.0	23842.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	23842.5	0.0	23842.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	47685.0	0.0	47685.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	443.8	0.9
10°-20°	1376.0	2.9
20°-30°	2459.1	5.2
30°-40°	3986.2	8.4
40°-50°	6492.9	13.6
50°-60°	9899.5	20.8
60°-70°	14727.3	30.9
70°-80°	8026.9	16.8
80°-90°	273.3	0.6
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°	47685.0	100.0
0°-180°	47685.0	100.0

Coefficient of Utilization



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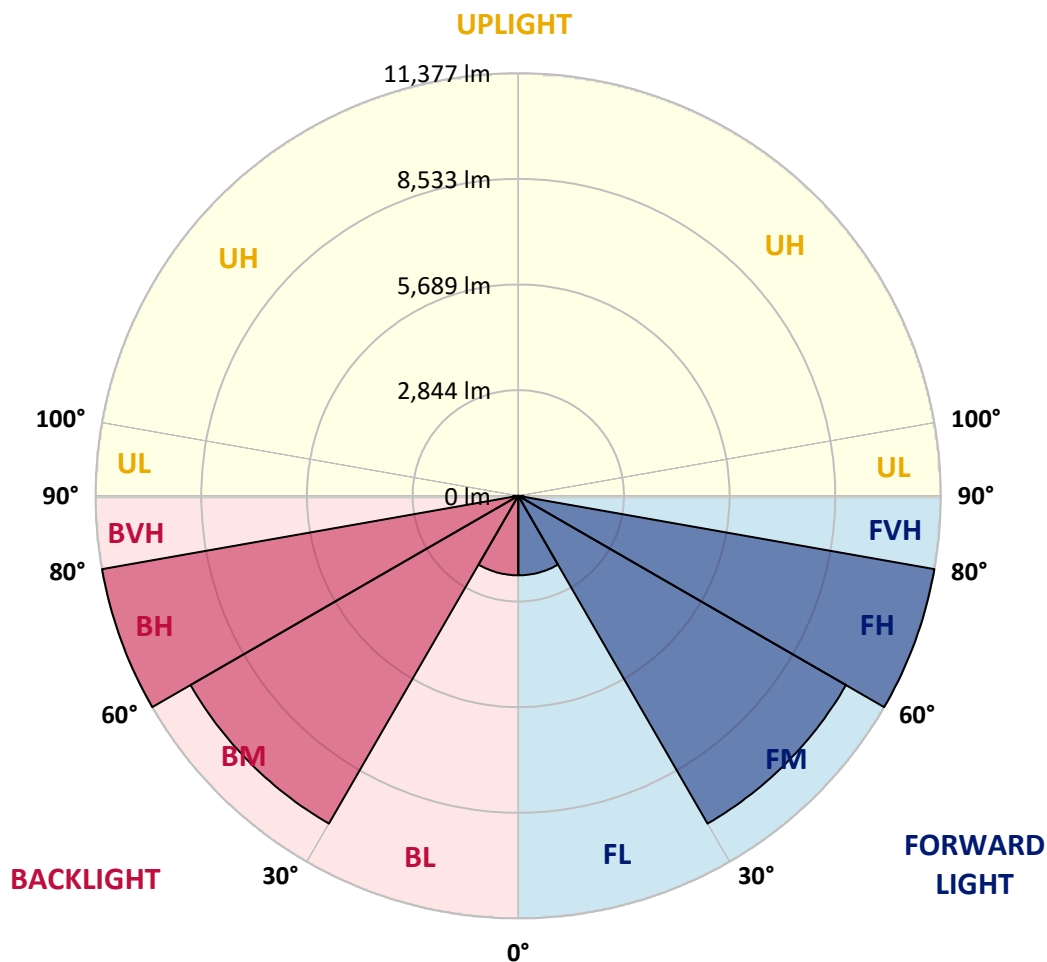
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2139.5	4.5			
FM	(30°-60°)	10189.3	21.4			
FH	(60°-80°)	11377.1	23.9			G4/12000
FVH	(80°-90°)	136.7	0.3			G2/225
BL	(0°-30°)	2139.5	4.5	B3/2500		
BM	(30°-60°)	10189.3	21.4	B5		
BH	(60°-80°)	11377.1	23.9	B5		G4/12000
BVH	(80°-90°)	136.7	0.3			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°	4567.7	4567.7	4567.7	4567.7	4567.7	4567.7	4567.7	4567.7	4567.7	4567.7
2.5°	4589.3	4594.1	4584.5	4579.7	4574.9	4567.7	4570.1	4582.1	4591.7	4589.3
5°	4627.6	4632.4	4625.2	4622.8	4613.2	4610.8	4610.8	4622.8	4630.0	4625.2
7.5°	4670.7	4677.9	4665.9	4663.5	4658.7	4653.9	4651.5	4663.5	4670.7	4670.7
10°	4711.4	4718.6	4709.0	4701.8	4697.0	4697.0	4692.2	4701.8	4713.8	4711.4
12.5°	4754.5	4759.2	4749.7	4744.9	4744.9	4752.1	4744.9	4749.7	4759.2	4754.5
15°	4807.1	4809.5	4807.1	4814.3	4826.3	4850.2	4828.7	4823.9	4828.7	4816.7
17.5°	4878.9	4883.7	4893.3	4910.1	4926.8	4969.9	4931.6	4919.6	4919.6	4895.7
20°	4967.5	4974.7	4989.1	5017.8	5039.3	5080.0	5041.7	5025.0	5017.8	4986.7
22.5°	5060.9	5072.9	5094.4	5132.7	5171.0	5209.3	5171.0	5142.3	5120.7	5080.0
25°	5168.6	5183.0	5216.5	5278.7	5331.4	5386.5	5341.0	5283.5	5240.4	5183.0
27.5°	5321.8	5338.6	5379.3	5455.9	5522.9	5570.8	5527.7	5453.5	5393.7	5324.2
30°	5537.3	5554.1	5601.9	5683.3	5728.8	5759.9	5731.2	5673.8	5601.9	5522.9
32.5°	5815.0	5836.5	5889.2	5965.8	5975.4	5980.2	5970.6	5941.9	5889.2	5793.5
35°	6166.9	6190.9	6250.7	6312.9	6303.4	6312.9	6298.6	6289.0	6250.7	6140.6
37.5°	6597.8	6626.6	6688.8	6736.7	6712.7	6700.8	6703.2	6705.6	6684.0	6561.9
40°	7098.2	7136.5	7182.0	7232.2	7191.5	7155.6	7179.6	7198.7	7179.6	7055.1
42.5°	7612.9	7667.9	7715.8	7787.6	7754.1	7708.6	7742.2	7763.7	7723.0	7588.9
45°	8185.0	8237.7	8300.0	8407.7	8383.7	8335.9	8383.7	8388.5	8319.1	8161.1
47.5°	8776.4	8831.4	8924.8	9068.4	9058.9	9006.2	9068.4	9034.9	8946.3	8757.2
50°	9336.6	9413.2	9556.8	9757.9	9777.0	9712.4	9796.2	9731.6	9583.1	9346.1
52.5°	9863.2	9944.6	10172.1	10445.0	10514.4	10430.6	10543.1	10430.6	10208.0	9903.9
55°	10416.2	10507.2	10777.7	11134.4	11273.3	11211.0	11316.4	11146.4	10830.4	10461.7
57.5°	11067.4	11122.5	11445.7	11869.4	12104.0	12118.4	12166.2	11879.0	11495.9	11077.0
60°	11773.6	11850.2	12202.2	12709.7	13080.8	13200.5	13150.2	12724.0	12278.8	11797.6
62.5°	12678.6	12762.4	13183.7	13791.8	14378.3	14675.1	14478.8	13861.2	13310.6	12733.6
65°	13427.9	13521.2	14282.5	15367.0	16434.7	17030.8	16537.7	15400.5	14409.4	13595.5
67.5°	12884.4	12999.4	14194.0	16185.8	18840.7	20619.4	18931.7	16429.9	14488.4	13384.8
70°	11261.3	11369.0	12762.4	15197.0	19518.2	23415.6	19925.2	15644.7	12807.8	11572.5
72.5°	7476.4	7823.6	9233.6	12154.3	17428.2	21668.0	17600.6	11907.7	8565.7	7459.7
75°	2480.2	2757.9	3720.3	6301.0	11673.1	16204.9	11112.9	5575.6	2947.0	2121.1
77.5°	624.8	720.6	993.5	1802.7	4656.3	9226.4	4191.9	1472.3	802.0	560.2
80°	304.0	335.2	478.8	600.9	1165.9	2932.6	1094.1	565.0	378.3	292.1
82.5°	167.6	170.0	270.5	339.9	433.3	758.9	450.1	330.4	217.9	177.2
85°	102.9	100.5	143.6	181.9	181.9	270.5	215.5	181.9	124.5	110.1
87.5°	40.7	40.7	52.7	57.5	50.3	69.4	55.1	59.8	47.9	45.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
4567.7
4591.7
4627.6
4670.7
4711.4
4752.1
4816.7
4895.7
4986.7
5077.6
5180.6
5321.8
5522.9
5795.8
6140.6
6561.9
7055.1
7598.5
8177.9
8745.2
9341.3
9875.2
10411.5
11019.5
11721.0
12633.1
13461.4
13219.6
11407.4
7217.9
2006.2
500.3
268.1
177.2
114.9
47.9
0.0