

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: P850311

Luminaire Tested: **GLAN-SB7D-735-U-5WQ**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P850311
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-SB7D-735-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 70 CRI, 3500K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 71833 lumens
Efficiency: N/A
Efficacy: 140.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G5

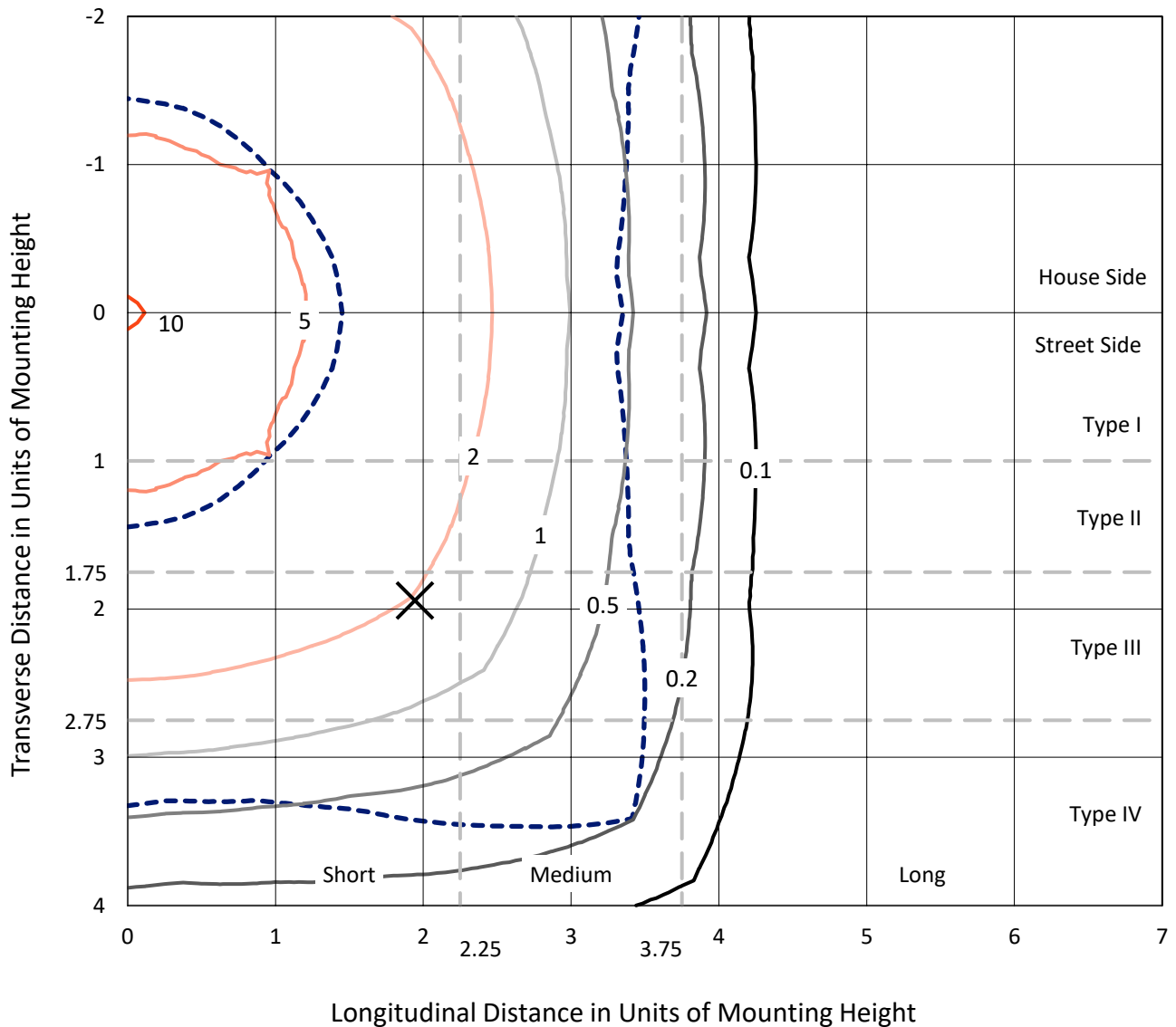
Input Watts (W): 512.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

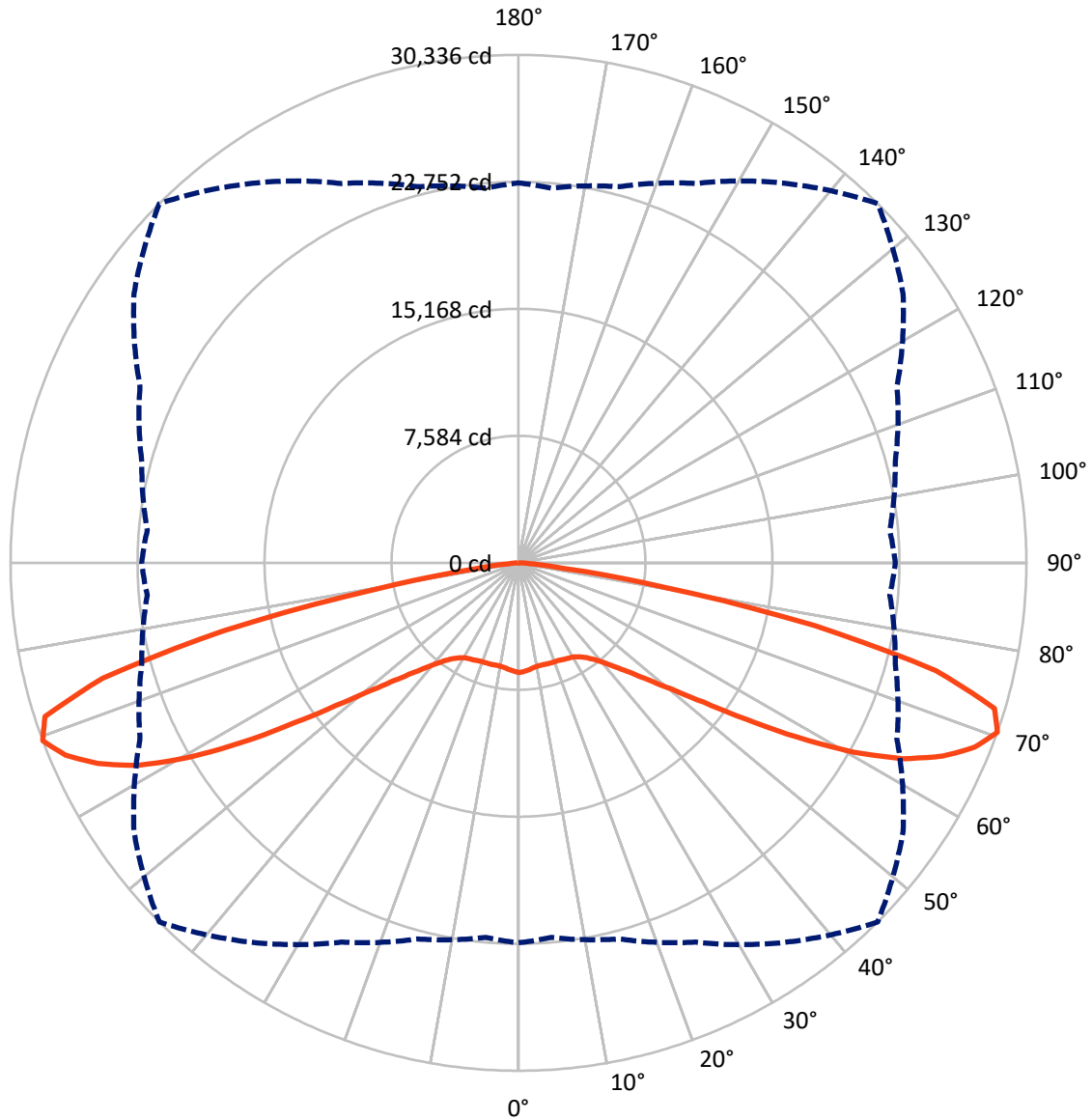
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.5 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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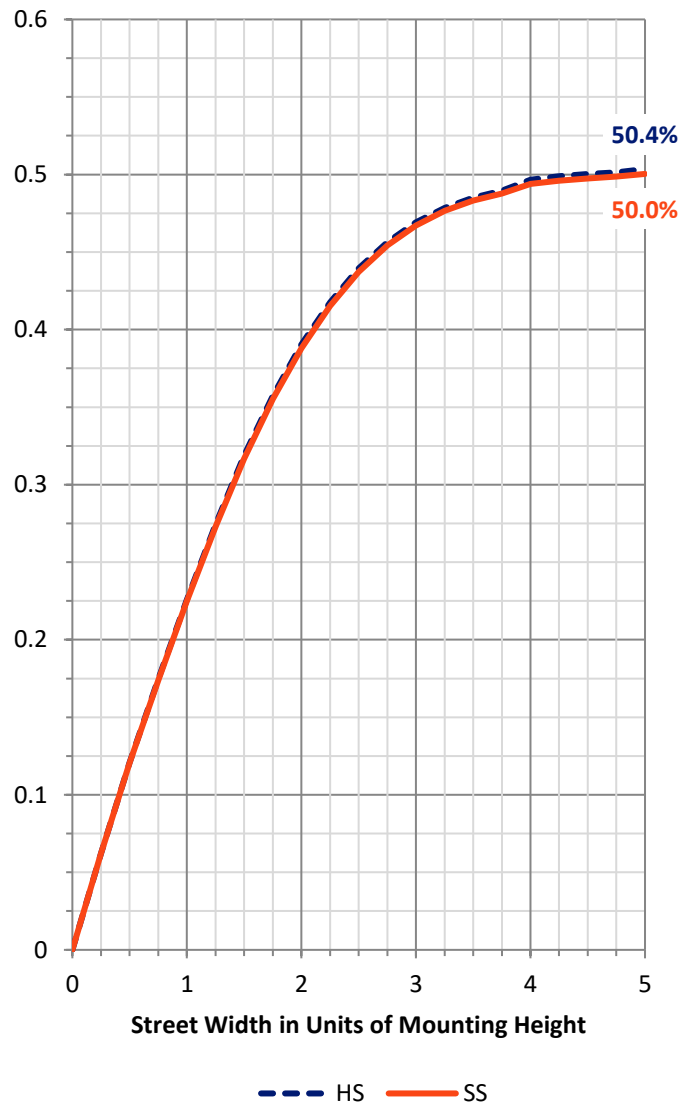
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	35916.5	0.0	35916.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	35916.5	0.0	35916.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	71833.0	0.0	71833.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	609.5	0.8
10°-20°	1789.8	2.5
20°-30°	2978.5	4.1
30°-40°	4504.3	6.3
40°-50°	7485.1	10.4
50°-60°	14124.2	19.7
60°-70°	23849.2	33.2
70°-80°	15671.4	21.8
80°-90°	821.0	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°	71833.0	100.0
0°-180°	71833.0	100.0

Coefficient of Utilization



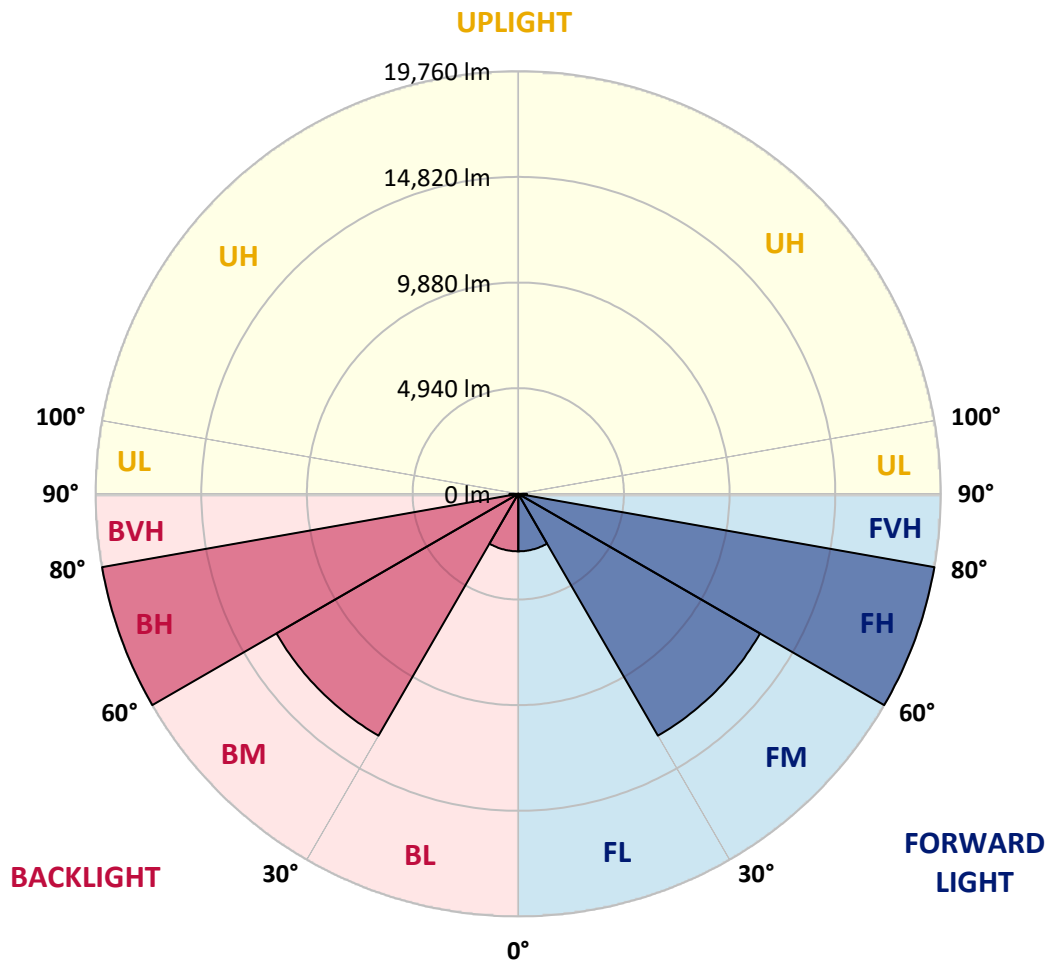
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2688.9	3.7			
FM (30°-60°)	13056.8	18.2			
FH (60°-80°)	19760.3	27.5			G5
FVH (80°-90°)	410.5	0.6			G3/500
BL (0°-30°)	2688.9	3.7	B4/5000		
BM (30°-60°)	13056.8	18.2	B5		
BH (60°-80°)	19760.3	27.5	B5		G5
BVH (80°-90°)	410.5	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-G5

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	6552.6	6552.6	6552.6	6552.6	6552.6	6552.6	6552.6	6552.6	6552.6	6552.6
2.5°	6511.5	6530.2	6522.7	6507.8	6507.8	6496.6	6507.8	6515.3	6526.5	6533.9
5°	6425.7	6440.6	6436.9	6425.7	6429.4	6418.2	6425.7	6436.9	6444.3	6448.1
7.5°	6351.0	6365.9	6358.5	6339.8	6339.8	6328.6	6332.3	6343.5	6354.7	6358.5
10°	6332.3	6347.3	6324.9	6295.0	6283.8	6268.9	6272.6	6283.8	6306.2	6317.4
12.5°	6339.8	6351.0	6328.6	6283.8	6272.6	6257.7	6257.7	6268.9	6298.7	6313.7
15°	6362.2	6373.4	6339.8	6291.3	6280.1	6268.9	6265.1	6280.1	6313.7	6339.8
17.5°	6403.3	6414.5	6362.2	6295.0	6280.1	6283.8	6280.1	6291.3	6343.5	6392.1
20°	6440.6	6448.1	6377.1	6295.0	6280.1	6283.8	6280.1	6302.5	6369.7	6436.9
22.5°	6451.8	6459.3	6392.1	6321.1	6309.9	6313.7	6309.9	6332.3	6395.8	6463.0
25°	6455.5	6466.7	6414.5	6358.5	6377.1	6384.6	6377.1	6380.9	6429.4	6489.1
27.5°	6511.5	6526.5	6477.9	6429.4	6440.6	6436.9	6448.1	6459.3	6496.6	6556.3
30°	6627.3	6638.5	6597.4	6548.9	6541.4	6515.3	6548.9	6586.2	6627.3	6679.6
32.5°	6817.7	6840.1	6787.8	6735.6	6702.0	6687.0	6713.2	6776.6	6832.6	6888.6
35°	7135.1	7150.0	7101.5	7004.4	6944.7	6944.7	6967.1	7049.2	7138.8	7209.7
37.5°	7583.1	7601.8	7515.9	7400.2	7310.6	7310.6	7340.4	7426.3	7560.7	7661.5
40°	8128.2	8154.4	8046.1	7926.6	7840.7	7825.8	7863.1	7960.2	8087.2	8214.1
42.5°	8785.4	8815.2	8673.3	8568.8	8501.6	8501.6	8520.3	8609.9	8725.6	8882.4
45°	9625.4	9677.7	9483.6	9379.0	9315.5	9330.5	9341.7	9420.1	9524.6	9703.8
47.5°	10626.1	10678.3	10473.0	10364.7	10353.5	10424.4	10379.6	10435.6	10491.7	10697.0
50°	11761.1	11850.7	11708.8	11701.4	11723.8	11854.4	11749.9	11779.8	11716.3	11847.0
52.5°	13150.0	13280.7	13254.6	13299.4	13549.5	13818.4	13579.4	13474.9	13235.9	13277.0
55°	14833.9	15031.8	15069.1	15338.0	15905.5	16454.3	15946.6	15524.7	15016.9	14923.5
57.5°	16749.3	16906.1	17085.3	17634.2	18694.6	19669.0	18694.6	17761.1	16962.1	16771.7
60°	18810.3	19004.5	19176.2	19986.4	21562.0	22932.3	21532.2	20049.9	18993.3	18735.6
62.5°	21024.4	21274.5	21394.0	22293.8	24130.8	25766.2	24156.9	22361.0	21188.7	20912.4
65°	23148.8	23354.2	23488.6	24448.2	26203.0	27842.1	26322.5	24552.7	23346.7	22984.6
67.5°	24138.3	24250.3	24578.8	25665.3	27517.3	29387.8	27830.9	25781.1	24433.2	23798.5
70°	22689.6	22461.8	23253.4	24993.3	27674.1	30336.2	28032.5	24941.0	23290.7	22260.2
72.5°	17533.4	17141.3	18515.3	21491.1	25881.9	29731.3	26061.1	21659.1	19370.4	17279.5
75°	9539.6	9095.3	10992.0	14755.5	20639.8	25769.9	21114.0	15177.4	12239.0	9468.6
77.5°	2692.0	2524.0	4054.8	7138.8	12414.5	18093.4	12892.4	7295.6	4809.0	2852.5
80°	825.1	799.0	1082.8	2150.6	5272.0	8665.9	5066.6	2176.7	1377.7	869.9
82.5°	489.1	448.0	537.7	784.1	1344.1	2721.9	1306.8	817.7	657.1	440.6
85°	280.0	261.4	317.4	380.8	451.8	578.7	377.1	388.3	351.0	235.2
87.5°	115.7	104.5	123.2	119.5	104.5	134.4	100.8	119.5	141.9	93.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
6552.6
6530.2
6448.1
6358.5
6317.4
6317.4
6343.5
6392.1
6440.6
6463.0
6485.4
6541.4
6668.4
6866.2
7183.6
7624.2
8173.0
8871.2
9696.4
10637.3
11768.6
13138.8
14777.9
16637.3
18511.6
20688.3
22805.3
23806.0
22506.6
17798.5
10084.7
3169.9
918.5
477.9
246.4
85.9
0.0

OF REPORT)