

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: P851504

Luminaire Tested: **GLAN-SB9C-735-U-T1**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P851504
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-2)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB9C-735-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 70 CRI, 3500K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 66220 lumens
Efficiency: N/A
Efficacy: 147.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type I - Short
BUG Rating: B5 - U0 - G5

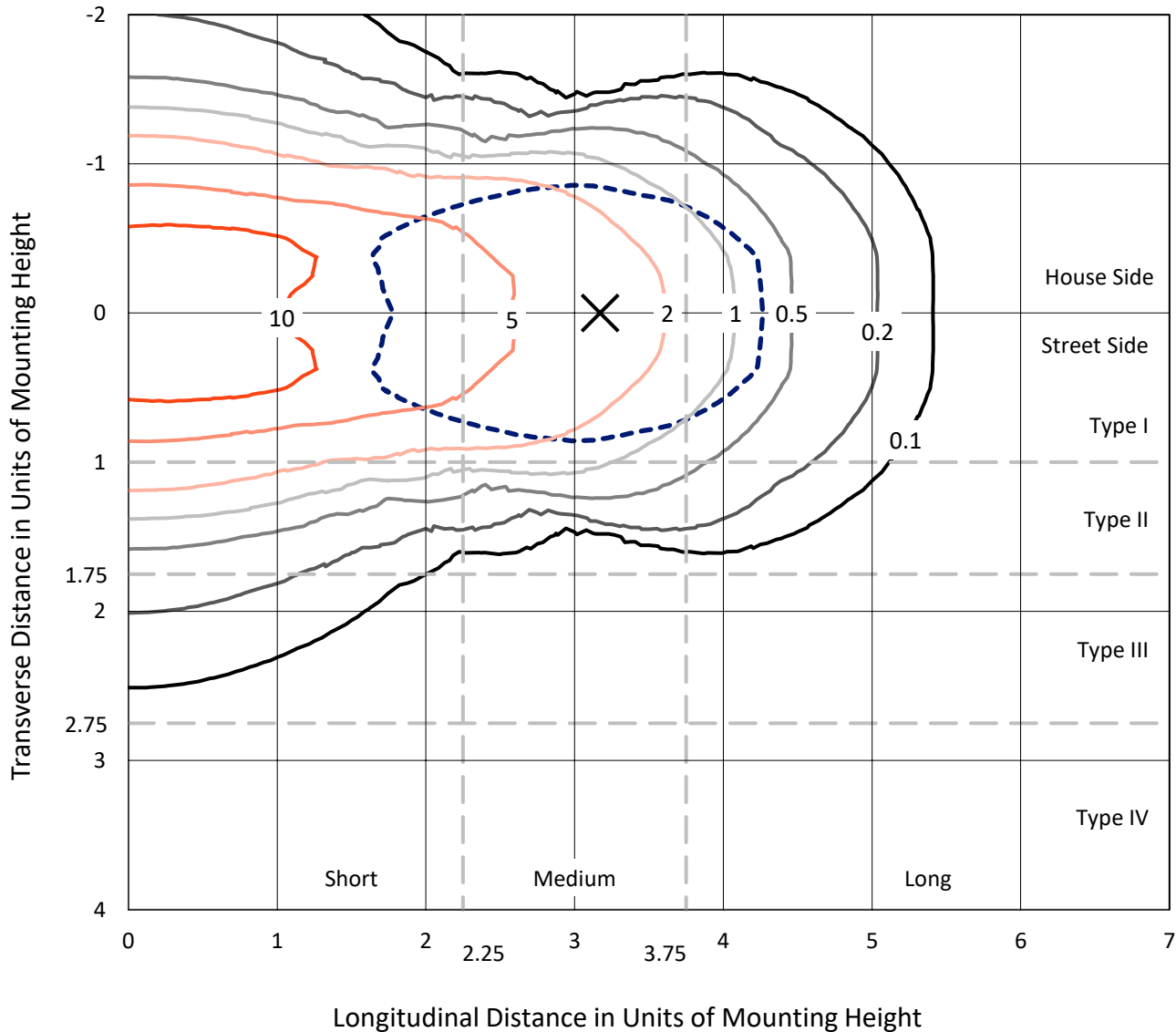
Input Watts (W): 449.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

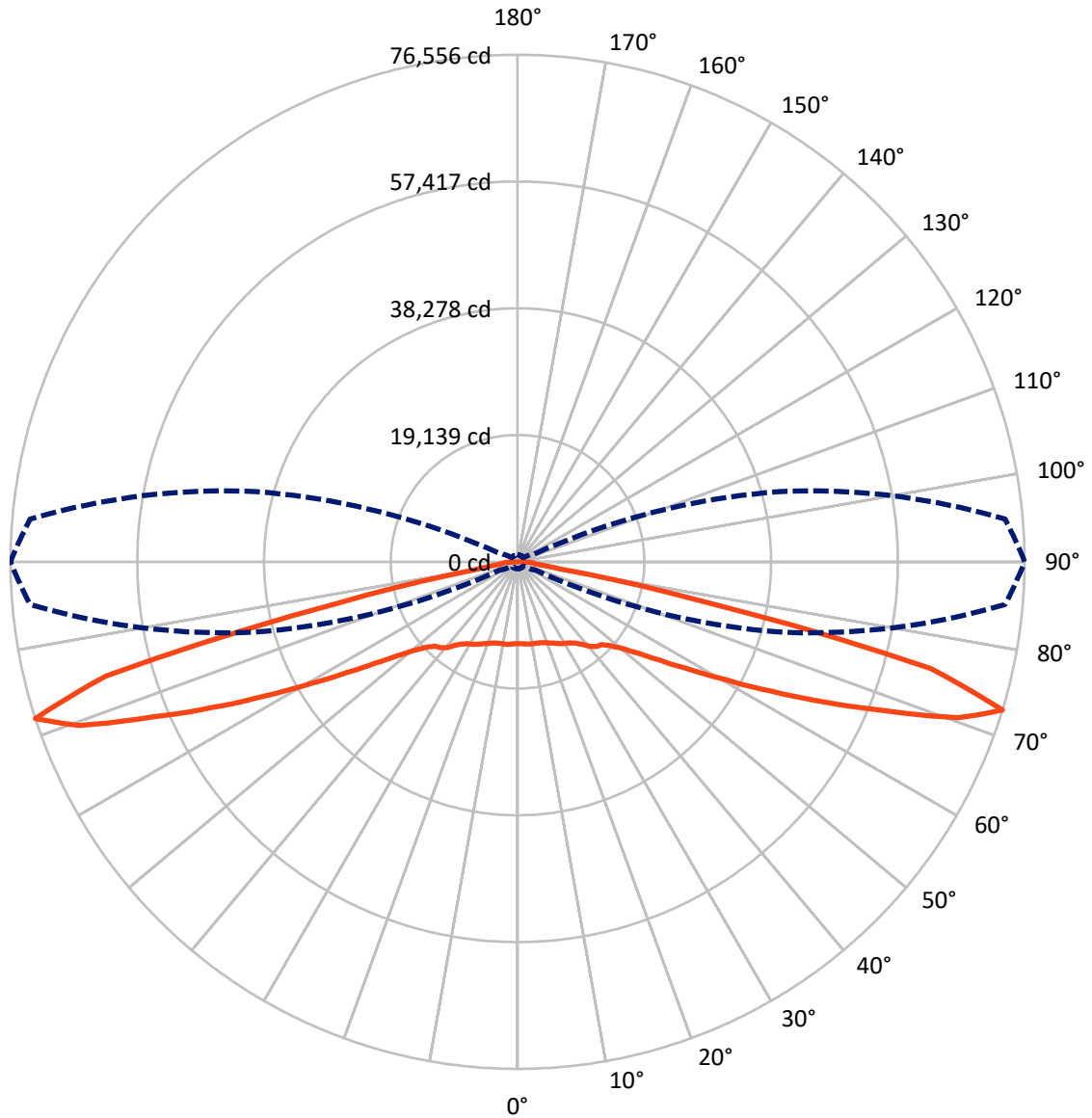
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 19.8 fc
 Type I - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 90-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	33110.0	0.0	33110.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	33110.0	0.0	33110.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	66220.0	0.0	66220.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1199.8	1.8
10°-20°	3668.5	5.5
20°-30°	6116.9	9.2
30°-40°	8412.6	12.7
40°-50°	10274.1	15.5
50°-60°	11883.1	17.9
60°-70°	14168.7	21.4
70°-80°	9888.8	14.9
80°-90°	607.4	0.9
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°	66220.0	100.0
0°-180°	66220.0	100.0

Coefficient of Utilization

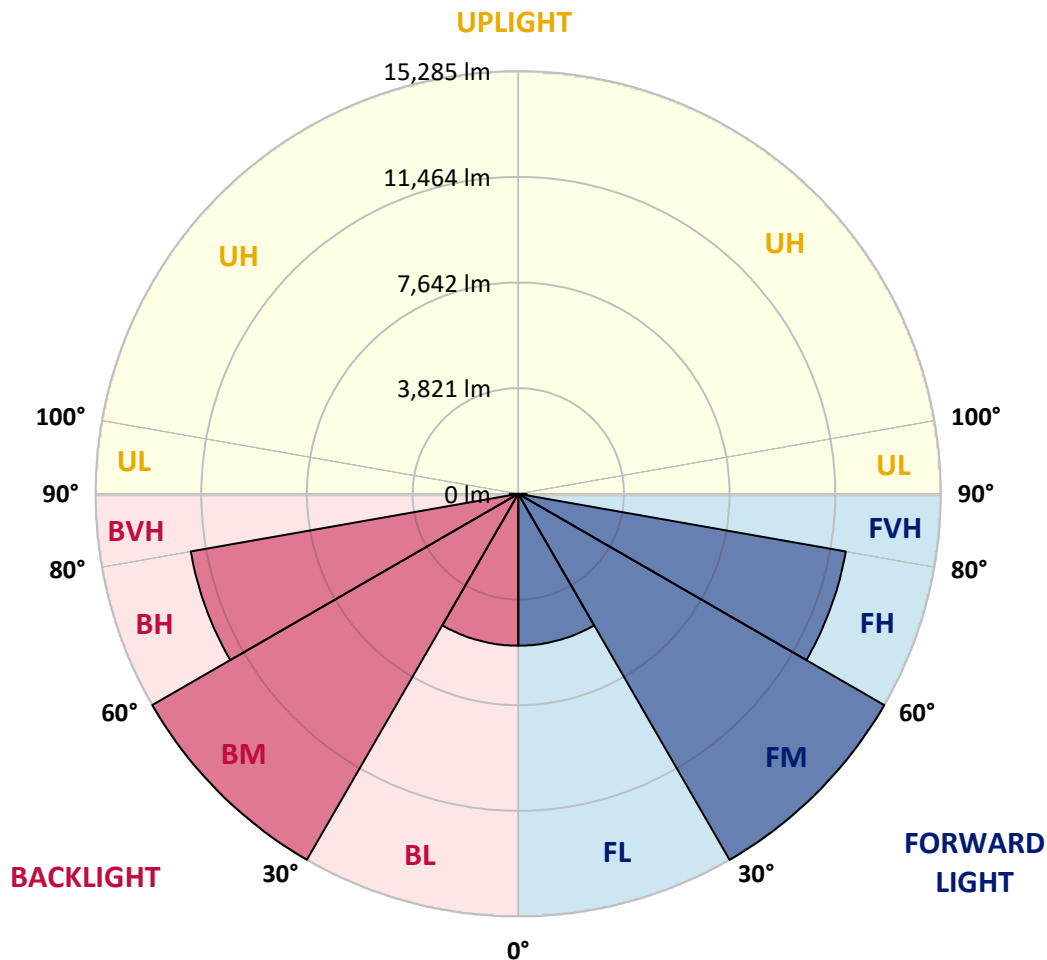


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	5492.6	8.3			
FM (30°-60°)	15285.0	23.1			
FH (60°-80°)	12028.8	18.2			G5
FVH (80°-90°)	303.7	0.5			G3/500
BL (0°-30°)	5492.6	8.3	B5		
BM (30°-60°)	15285.0	23.1	B5		
BH (60°-80°)	12028.8	18.2	B5		G5
BVH (80°-90°)	303.7	0.5			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 I Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	12373.9	12373.9	12373.9	12373.9	12373.9	12373.9	12373.9	12373.9	12373.9	12373.9
2.5°	12384.5	12398.5	12398.5	12388.0	12412.6	12391.5	12391.5	12380.9	12391.5	12380.9
5°	12447.8	12465.4	12472.4	12468.9	12500.6	12483.0	12483.0	12468.9	12472.4	12461.9
7.5°	12567.5	12592.1	12606.2	12623.8	12669.5	12648.4	12634.3	12592.1	12574.5	12546.4
10°	12606.2	12634.3	12680.1	12771.6	12877.2	12880.7	12838.5	12732.9	12651.9	12588.6
12.5°	12486.5	12525.2	12620.3	12806.8	13042.6	13137.6	13070.7	12894.8	12736.4	12623.8
15°	12335.2	12377.4	12521.7	12803.3	13151.7	13373.4	13366.4	13134.1	12880.7	12704.7
17.5°	12099.4	12141.6	12349.3	12743.4	13236.1	13602.1	13700.7	13461.4	13105.9	12870.1
20°	11673.6	11712.3	12000.9	12553.4	13264.3	13845.0	14101.9	13890.7	13447.3	13127.0
22.5°	11121.0	11180.9	11518.7	12226.1	13197.4	14098.4	14559.4	14415.1	13845.0	13401.5
25°	10529.8	10593.1	10987.3	11824.9	13025.0	14281.4	15101.4	15009.9	14295.5	13742.9
27.5°	10019.5	10086.4	10515.7	11427.2	12757.5	14351.8	15636.3	15682.1	14840.9	14119.5
30°	9618.3	9681.6	10139.1	11107.0	12412.6	14281.4	16104.4	16421.1	15397.0	14446.8
32.5°	9178.4	9259.3	9741.5	10716.3	12004.4	14112.4	16512.6	17220.0	16041.0	14798.7
35°	8622.3	8696.2	9203.0	10181.4	11469.4	13841.5	16854.0	18106.9	16963.1	15333.6
37.5°	7946.6	8017.0	8520.3	9512.7	10938.0	13461.4	17114.4	19106.4	18061.1	16104.4
40°	7267.4	7334.2	7805.8	8766.6	10301.0	12975.7	17205.9	20084.7	19321.0	17163.7
42.5°	6644.5	6704.3	7137.2	8031.1	9586.6	12356.3	17086.3	20936.4	20450.7	17902.7
45°	6070.8	6123.6	6507.2	7341.3	8844.0	11603.2	16727.3	21851.4	21795.1	18430.6
47.5°	5416.2	5469.0	5866.7	6672.6	8101.5	10719.8	16118.5	22752.4	23663.9	19627.2
50°	4617.3	4663.1	5071.3	5901.9	7330.7	9780.2	15273.8	23459.7	26021.8	21439.7
52.5°	3670.6	3719.9	4117.6	4948.2	6415.7	8770.1	14161.7	23920.8	28745.8	24086.2
55°	2731.0	2766.2	3111.1	3857.2	5282.5	7619.3	12768.1	24051.0	31835.7	27704.0
57.5°	1981.4	2002.5	2224.2	2780.3	4005.0	6179.9	11075.3	23713.1	35513.4	32342.5
60°	1604.8	1611.8	1678.7	1925.1	2783.8	4554.0	9030.6	22551.8	39504.3	38321.8
62.5°	1457.0	1457.0	1474.6	1541.5	1882.8	3005.5	6556.5	20144.6	43783.8	45877.8
65°	1354.9	1354.9	1362.0	1393.6	1485.2	1914.5	4138.7	16224.0	47391.1	54728.8
67.5°	1263.4	1267.0	1263.4	1274.0	1326.8	1414.8	2400.2	11205.5	49333.7	63900.2
70°	1168.4	1175.5	1157.9	1157.9	1200.1	1203.6	1502.7	6144.7	47721.9	71586.4
72.5°	1055.8	1066.4	1038.2	1031.2	1062.8	1048.8	1129.7	2949.2	40971.8	73880.9
75°	957.3	971.3	908.0	890.4	890.4	879.8	918.5	1513.3	26591.9	60268.2
77.5°	869.3	897.4	795.4	739.1	725.0	693.3	749.6	925.6	11631.3	28295.3
80°	717.9	756.7	654.6	587.7	563.1	527.9	591.2	647.6	3459.5	6570.6
82.5°	534.9	552.5	464.5	418.8	397.7	373.0	443.4	450.5	1126.2	2326.3
85°	341.4	348.4	285.1	246.4	235.8	225.2	281.5	246.4	429.4	1710.4
87.5°	119.7	137.3	109.1	98.5	105.6	88.0	130.2	73.9	119.7	1207.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

12373.9
12380.9
12461.9
12546.4
12578.0
12606.2
12676.6
12831.4
13067.2
13320.6
13630.3
13999.8
14274.3
14580.5
15090.8
15780.6
16818.8
17459.3
17832.4
18937.4
20573.9
23019.8
26370.2
30663.8
36206.7
43044.7
51146.2
60032.4
70569.3
76555.6
64463.3
27707.6
6292.5
2628.9
2484.6
1495.7
0.0

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