

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: P533118

Luminaire Tested: **GLAN-SA8C-735-U-RW-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P533118
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-8)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA8C-735-U-RW-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 70 CRI, 3500K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR
WIDE OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 46339 lumens
Efficiency: N/A
Efficacy: 108.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G2

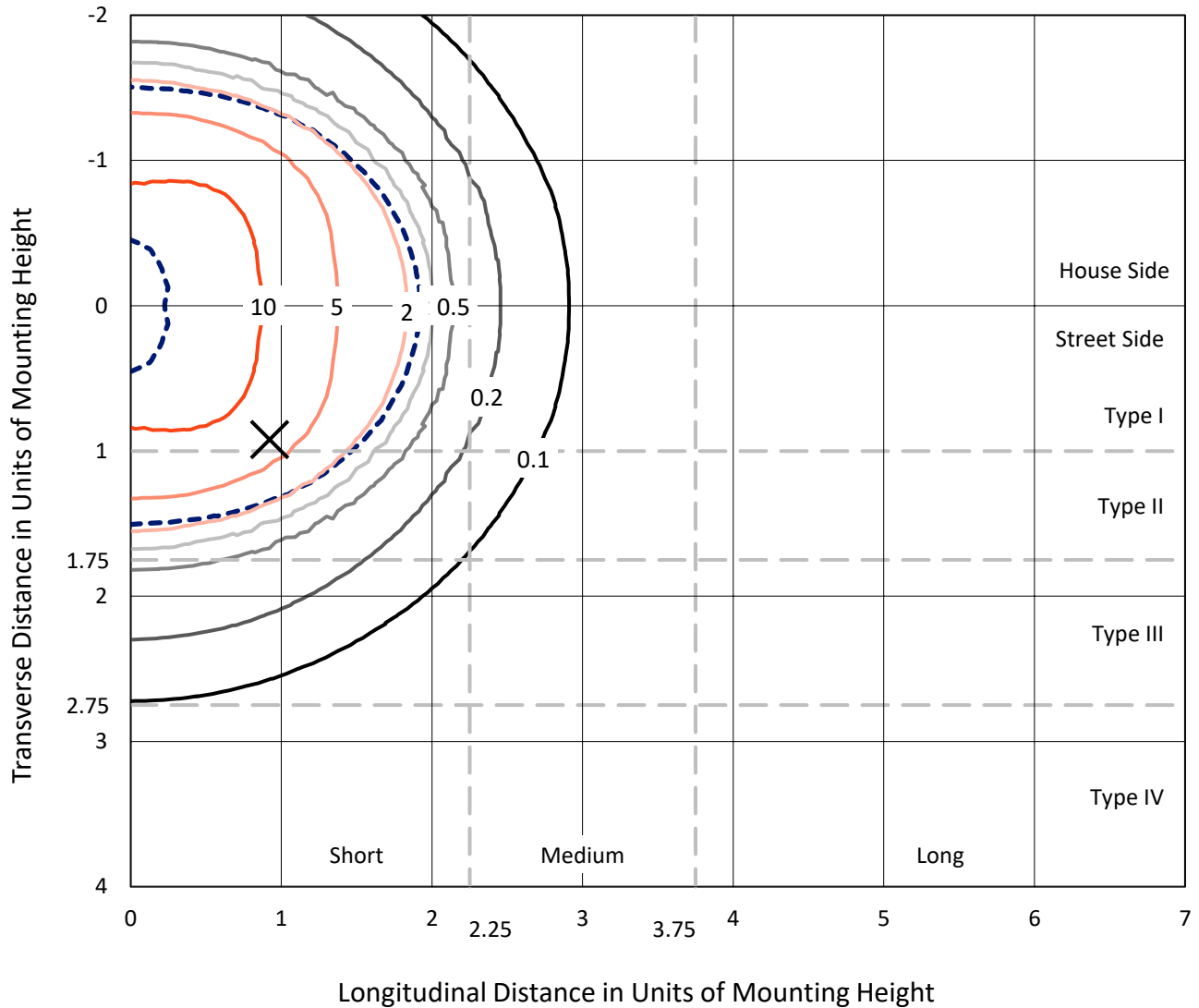
Input Watts (W): 429
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

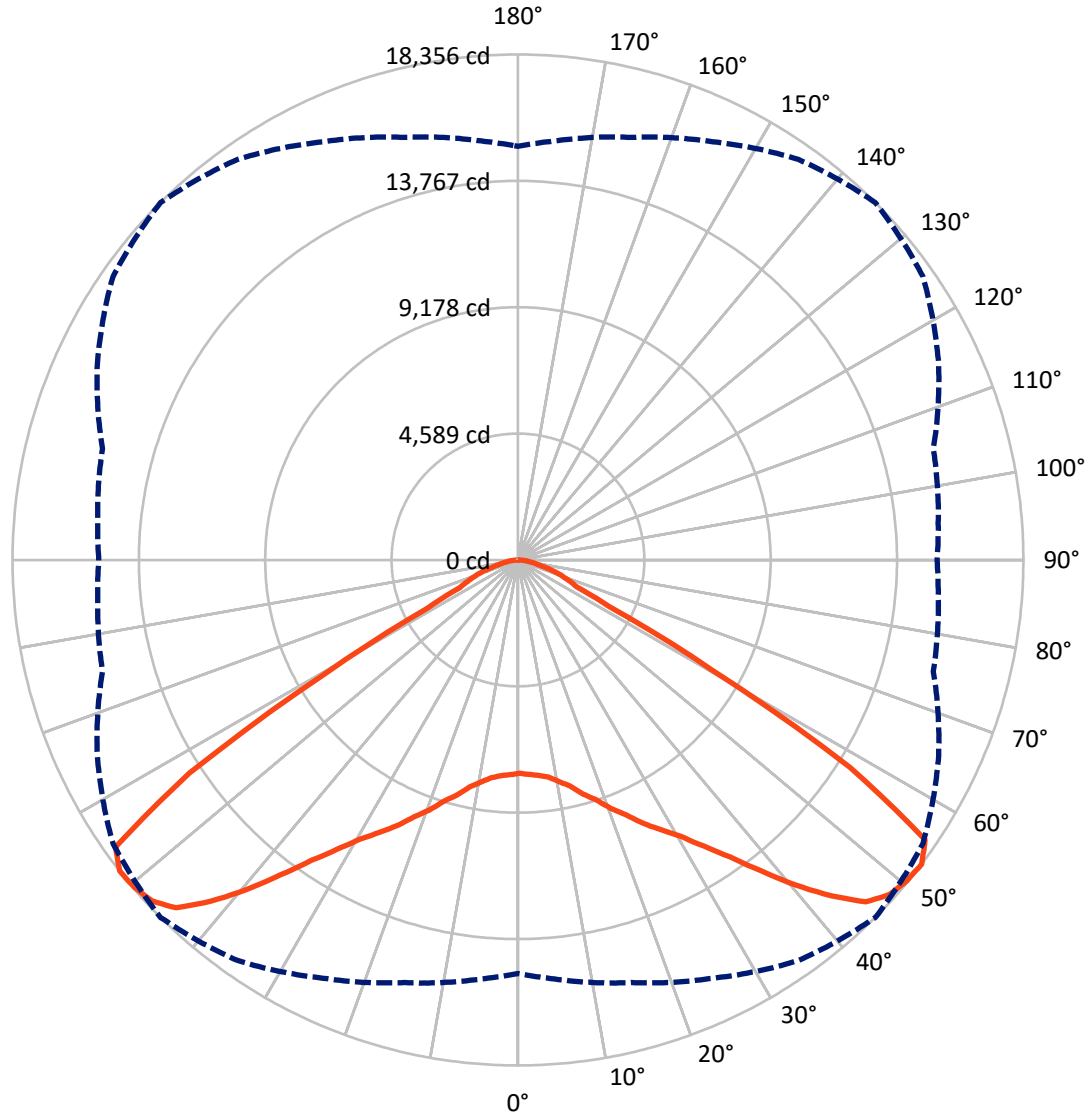
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 13.7 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 52.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	23169.5	0.0	23169.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	23169.5	0.0	23169.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	46339.0	0.0	46339.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	761.0	1.6
10°-20°	2500.7	5.4
20°-30°	4761.0	10.3
30°-40°	8175.0	17.6
40°-50°	12565.2	27.1
50°-60°	12759.7	27.5
60°-70°	3556.0	7.7
70°-80°	1049.0	2.3
80°-90°	211.3	0.5
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°	46339.0	100.0
0°-180°	46339.0	100.0

Coefficient of Utilization



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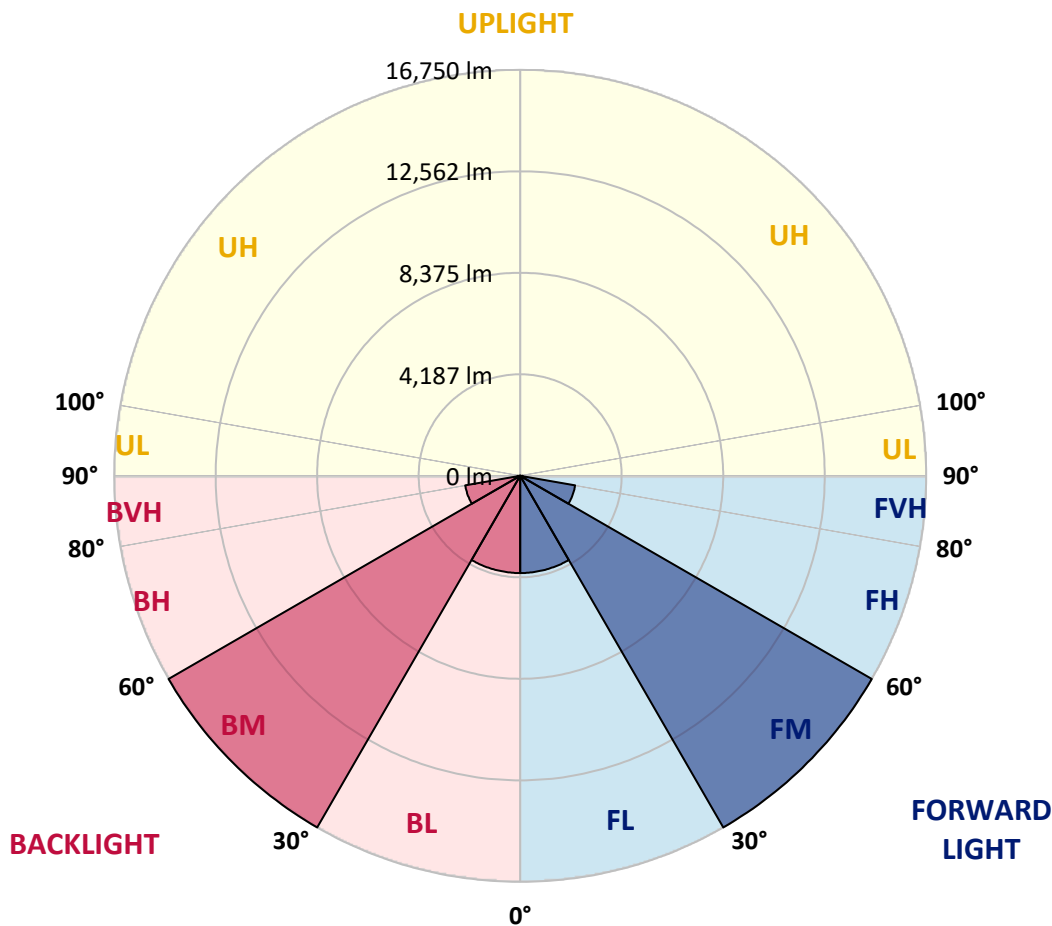
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4011.4	8.7			
FM (30°-60°)	16750.0	36.1			
FH (60°-80°)	2302.5	5.0			G2/5000
FVH (80°-90°)	105.6	0.2			G2/225
BL (0°-30°)	4011.4	8.7	B4/5000		
BM (30°-60°)	16750.0	36.1	B5		
BH (60°-80°)	2302.5	5.0	B3/2500		G2/5000
BVH (80°-90°)	105.6	0.2			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	7746.2	7746.2	7746.2	7746.2	7746.2	7746.2	7746.2	7746.2	7746.2	7746.2	7746.2
2.5°	7763.4	7682.9	7711.7	7728.9	7803.7	7797.9	7780.7	7803.7	7826.7	7832.4	7820.9
5°	7757.7	7700.2	7723.2	7740.4	7815.2	7855.4	7843.9	7941.7	8010.7	7993.5	8079.7
7.5°	7711.7	7746.2	7717.4	7803.7	7866.9	7964.7	8068.2	8160.2	8246.5	8344.2	8361.5
10°	7815.2	7815.2	7866.9	7935.9	8102.7	8177.5	8327.0	8459.3	8626.0	8741.0	8695.0
12.5°	7924.4	7941.7	7941.7	8120.0	8258.0	8424.8	8562.8	8741.0	8976.8	9114.8	9183.8
15°	8033.7	8045.2	8102.7	8344.2	8551.3	8815.8	8942.3	9103.3	9235.6	9494.4	9500.1
17.5°	8131.5	8194.7	8367.2	8637.5	8896.3	9149.3	9350.6	9517.4	9632.4	9735.9	9712.9
20°	8499.5	8545.5	8723.8	8994.1	9379.4	9626.6	9695.7	9724.4	9799.2	10006.2	9942.9
22.5°	8856.1	8873.3	9040.1	9454.1	9724.4	10052.2	10127.0	10109.7	10138.5	10190.2	10282.2
25°	9224.1	9252.9	9482.9	9833.7	10213.2	10604.3	10667.5	10535.3	10495.0	10552.5	10558.3
27.5°	9695.7	9701.4	9994.7	10299.5	10730.8	11098.8	11196.6	11093.1	10903.3	10949.3	11024.1
30°	10293.7	10253.5	10546.8	10983.8	11438.1	11645.1	11811.9	11760.2	11553.1	11512.9	11449.6
32.5°	10983.8	10995.3	11259.8	11737.2	12036.2	12381.2	12559.5	12473.2	12341.0	12272.0	12312.2
35°	11955.7	12007.4	12185.7	12582.5	13065.6	13238.1	13519.9	13335.8	12990.8	13077.1	13151.8
37.5°	12755.0	12904.5	13238.1	13709.6	13997.2	14313.5	14417.0	14169.7	13916.7	13813.1	14060.4
40°	13979.9	13933.9	14302.0	14773.5	15199.1	15515.4	15383.1	15135.8	14509.0	14514.7	14583.7
42.5°	15032.3	15055.3	15337.1	15900.6	16481.5	16677.0	16257.2	15653.4	14957.5	14882.8	15032.3
45°	15917.9	16009.9	16170.9	16924.3	17493.6	17706.4	16930.0	16216.9	15285.3	14974.8	15222.1
47.5°	16234.2	16383.7	16734.5	17424.6	17988.1	18160.7	17539.6	16516.0	15590.1	15084.1	15216.3
50°	16280.2	16228.4	16803.5	17436.1	17930.6	18304.4	17758.1	16734.5	15515.4	15250.8	15210.6
52.5°	15020.8	15273.8	15889.1	16757.5	17758.1	18356.2	17953.6	16855.3	15618.9	15319.8	15222.1
55°	12157.0	11857.9	12979.3	14440.0	16280.2	17942.1	17884.6	16918.5	15682.1	15434.8	15302.6
57.5°	6785.8	6872.1	7504.6	9091.8	11466.9	14227.2	15900.6	16251.4	15653.4	15509.6	15578.6
60°	3139.9	3168.6	3438.9	4180.7	5652.9	8068.2	10270.7	12507.7	13537.1	13744.1	13744.1
62.5°	2340.5	2329.0	2398.0	2530.3	2840.8	3709.2	4951.3	6728.3	8143.0	9132.1	9390.9
65°	2116.3	2110.5	2145.0	2191.0	2214.0	2334.8	2610.8	3157.1	3617.2	3881.7	3835.7
67.5°	1851.7	1846.0	1857.5	1886.2	1926.5	1989.7	2058.7	2173.8	2334.8	2323.3	2294.5
70°	1495.2	1495.2	1512.4	1535.4	1581.4	1656.2	1736.7	1817.2	1955.2	1984.0	1978.2
72.5°	1104.1	1086.9	1121.4	1167.4	1213.4	1305.4	1391.7	1466.4	1564.2	1592.9	1581.4
75°	701.6	713.1	736.1	787.8	868.4	931.6	1023.6	1086.9	1150.1	1173.1	1178.9
77.5°	391.0	402.5	442.8	506.1	586.6	655.6	736.1	787.8	828.1	833.8	839.6
80°	235.8	241.5	281.8	339.3	408.3	483.1	546.3	598.1	632.6	615.3	609.6
82.5°	143.8	149.5	184.0	235.8	293.3	350.8	419.8	465.8	500.3	477.3	454.3
85°	74.8	80.5	109.3	143.8	189.8	218.5	218.5	195.5	189.8	178.3	172.5
87.5°	23.0	23.0	28.8	34.5	28.8	34.5	40.3	46.0	46.0	51.8	46.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)