

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: P532312

Luminaire Tested: **GLAN-SA7C-830-U-RW-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P532312
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-SA7C-830-U-RW-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 80 CRI, 3000K, 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: 34096 lumens
Efficiency: N/A
Efficacy: 90.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

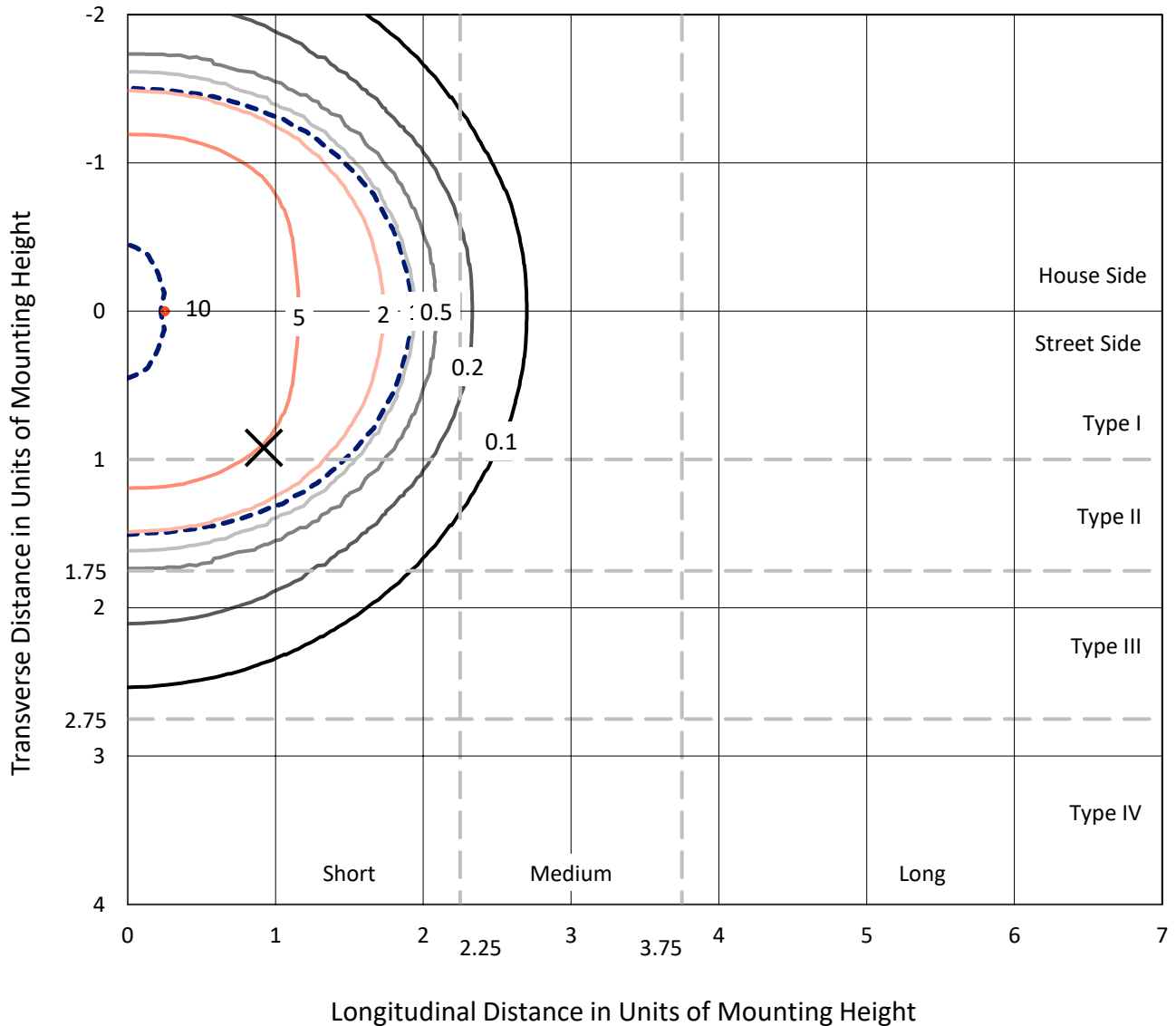
Input Watts (W): 377
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

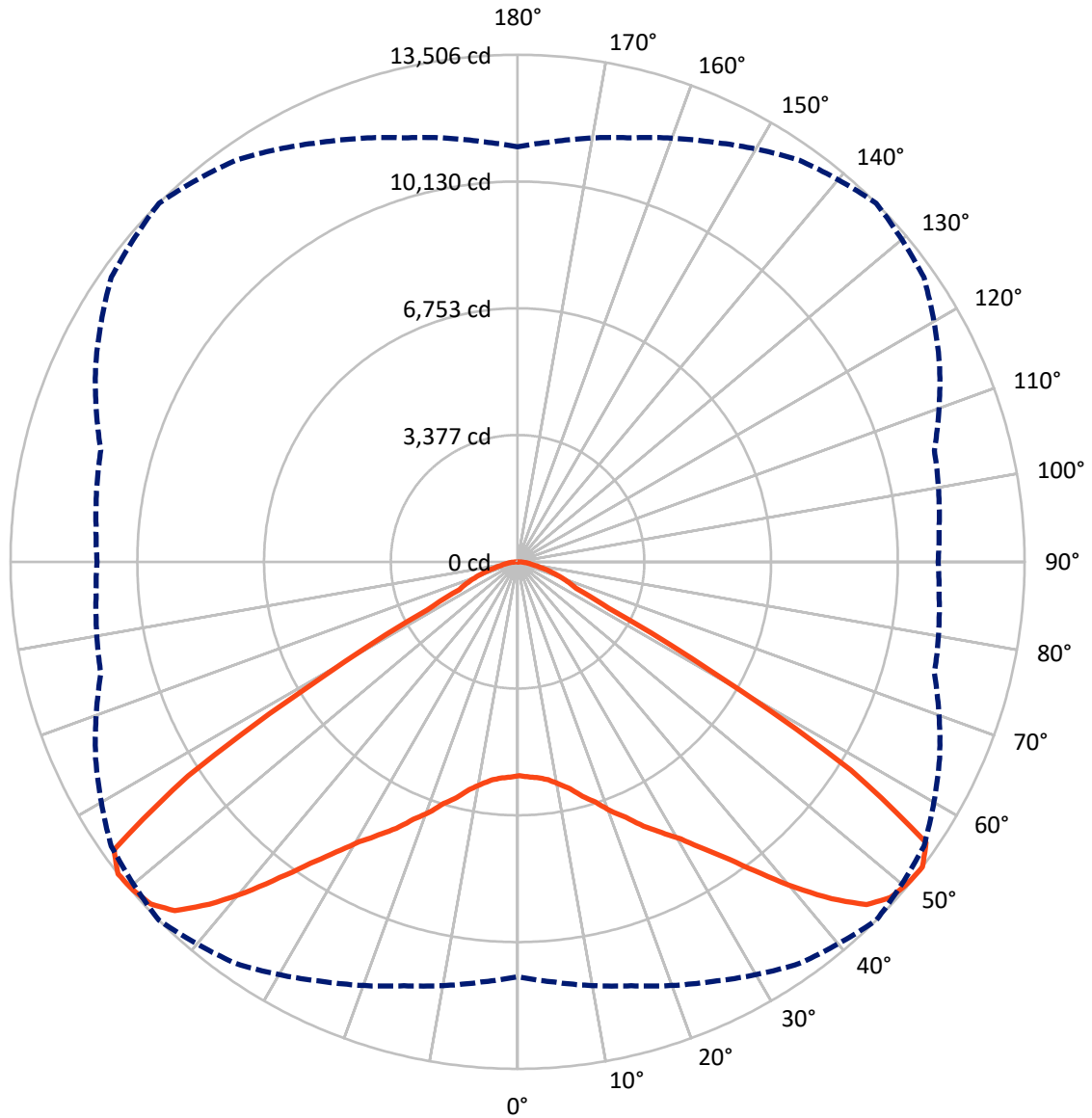
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.1 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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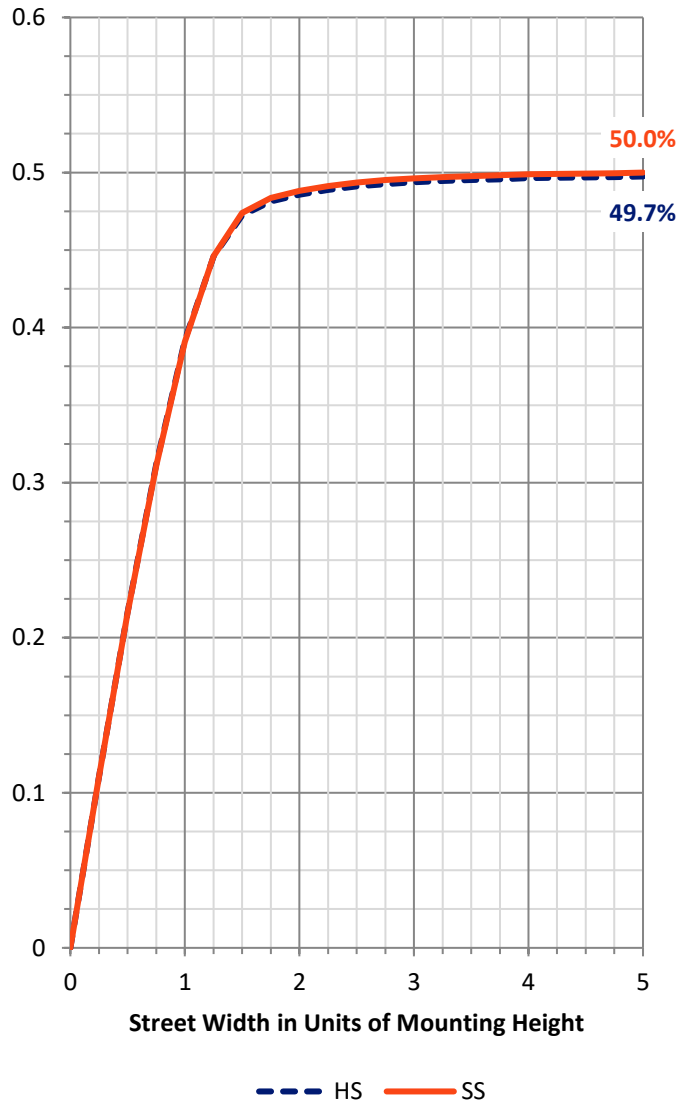
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	17048.0	0.0	17048.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	17048.0	0.0	17048.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	34096.0	0.0	34096.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	560.0	1.6
10°-20°	1840.0	5.4
20°-30°	3503.1	10.3
30°-40°	6015.1	17.6
40°-50°	9245.4	27.1
50°-60°	9388.6	27.5
60°-70°	2616.5	7.7
70°-80°	771.8	2.3
80°-90°	155.5	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°	34096.0	100.0
0°-180°	34096.0	100.0

Coefficient of Utilization



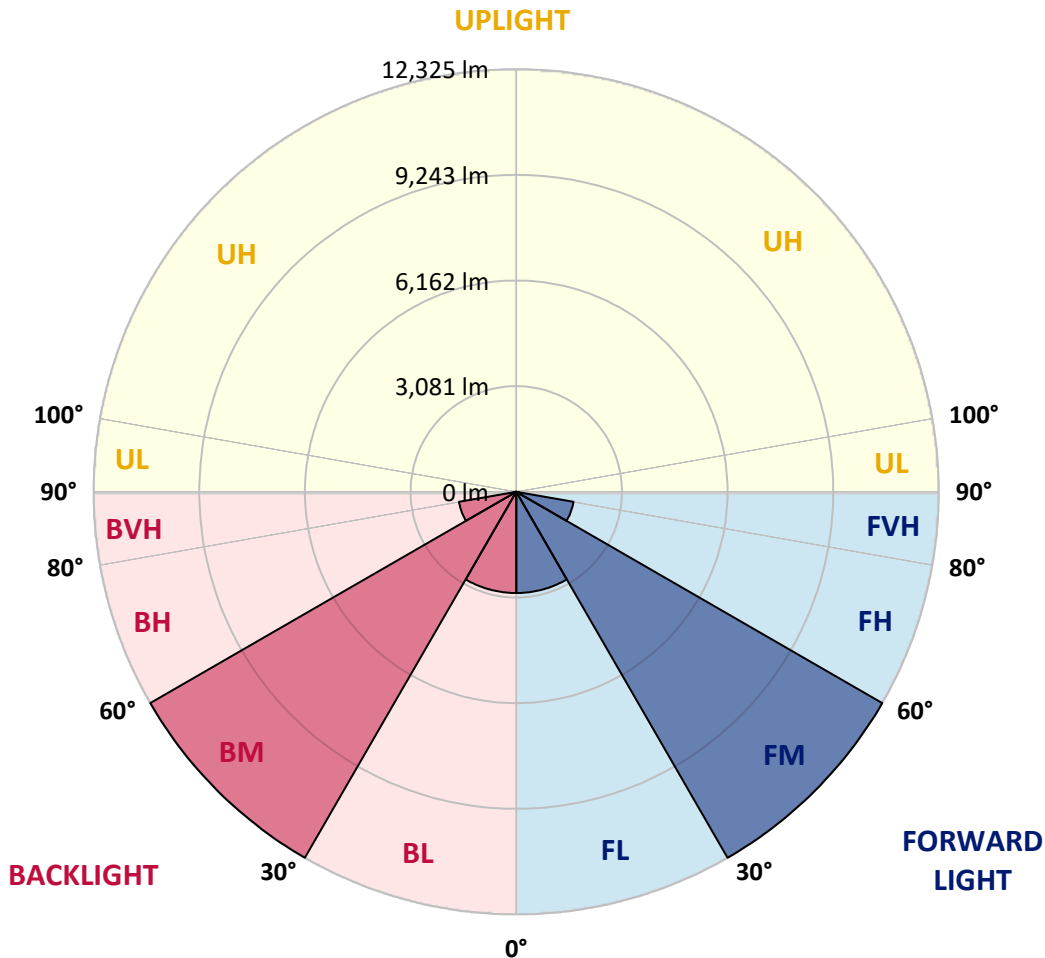
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2951.6	8.7			
FM (30°-60°)	12324.6	36.1			
FH (60°-80°)	1694.1	5.0			G1/1800
FVH (80°-90°)	77.7	0.2			G1/100
BL (0°-30°)	2951.6	8.7	B4/5000		
BM (30°-60°)	12324.6	36.1	B5		
BH (60°-80°)	1694.1	5.0	B3/2500		G1/1800
BVH (80°-90°)	77.7	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	5699.6	5699.6	5699.6	5699.6	5699.6	5699.6	5699.6	5699.6	5699.6	5699.6	5699.6
2.5°	5712.3	5653.1	5674.2	5686.9	5741.9	5737.7	5725.0	5741.9	5758.8	5763.1	5754.6
5°	5708.1	5665.7	5682.7	5695.4	5750.4	5780.0	5771.5	5843.5	5894.2	5881.5	5945.0
7.5°	5674.2	5699.6	5678.4	5741.9	5788.5	5860.4	5936.5	6004.3	6067.7	6139.7	6152.3
10°	5750.4	5750.4	5788.5	5839.2	5961.9	6016.9	6127.0	6224.3	6347.0	6431.6	6397.8
12.5°	5830.8	5843.5	5843.5	5974.6	6076.2	6198.9	6300.4	6431.6	6605.1	6706.7	6757.4
15°	5911.2	5919.6	5961.9	6139.7	6292.0	6486.6	6579.7	6698.2	6795.5	6985.9	6990.2
17.5°	5983.1	6029.6	6156.6	6355.5	6545.9	6732.0	6880.1	7002.8	7087.5	7163.6	7146.7
20°	6253.9	6287.7	6418.9	6617.8	6901.3	7083.2	7134.0	7155.2	7210.2	7362.5	7316.0
22.5°	6516.2	6528.9	6651.6	6956.3	7155.2	7396.4	7451.4	7438.7	7459.8	7497.9	7565.6
25°	6787.0	6808.2	6977.5	7235.6	7514.8	7802.6	7849.1	7751.8	7722.2	7764.5	7768.7
27.5°	7134.0	7138.2	7354.0	7578.3	7895.7	8166.5	8238.4	8162.2	8022.6	8056.4	8111.5
30°	7574.1	7544.5	7760.3	8081.8	8416.1	8568.4	8691.1	8653.1	8500.7	8471.1	8424.6
32.5°	8081.8	8090.3	8284.9	8636.1	8856.2	9110.0	9241.2	9177.7	9080.4	9029.6	9059.3
35°	8796.9	8835.0	8966.2	9258.1	9613.6	9740.5	9947.8	9812.4	9558.6	9622.0	9677.0
37.5°	9385.1	9495.1	9740.5	10087.5	10299.0	10531.8	10607.9	10426.0	10239.8	10163.6	10345.6
40°	10286.4	10252.5	10523.3	10870.3	11183.4	11416.1	11318.8	11136.8	10675.6	10679.9	10730.6
42.5°	11060.7	11077.6	11284.9	11699.6	12127.0	12270.8	11962.0	11517.7	11005.7	10950.7	11060.7
45°	11712.3	11780.0	11898.5	12452.8	12871.7	13028.3	12457.0	11932.3	11246.9	11018.4	11200.3
47.5°	11945.0	12055.0	12313.2	12820.9	13235.6	13362.5	12905.5	12152.4	11471.1	11098.8	11196.1
50°	11978.9	11940.8	12363.9	12829.4	13193.3	13468.3	13066.3	12313.2	11416.1	11221.5	11191.9
52.5°	11052.2	11238.4	11691.2	12330.1	13066.3	13506.4	13210.2	12402.0	11492.3	11272.3	11200.3
55°	8945.0	8725.0	9550.1	10624.9	11978.9	13201.7	13159.4	12448.6	11538.8	11356.9	11259.6
57.5°	4993.0	5056.4	5521.9	6689.7	8437.3	10468.3	11699.6	11957.7	11517.7	11411.9	11462.7
60°	2310.3	2331.5	2530.3	3076.2	4159.4	5936.5	7557.1	9203.1	9960.5	10112.9	10112.9
62.5°	1722.1	1713.7	1764.5	1861.8	2090.3	2729.2	3643.2	4950.7	5991.6	6719.3	6909.8
65°	1557.1	1552.9	1578.3	1612.1	1629.1	1717.9	1921.0	2323.0	2661.5	2856.1	2822.3
67.5°	1362.5	1358.3	1366.7	1387.9	1417.5	1464.0	1514.8	1599.4	1717.9	1709.5	1688.3
70°	1100.1	1100.1	1112.8	1129.8	1163.6	1218.6	1277.9	1337.1	1438.7	1459.8	1455.6
72.5°	812.4	799.7	825.1	859.0	892.8	960.5	1024.0	1079.0	1150.9	1172.1	1163.6
75°	516.2	524.7	541.6	579.7	638.9	685.5	753.2	799.7	846.3	863.2	867.4
77.5°	287.7	296.2	325.8	372.4	431.6	482.4	541.6	579.7	609.3	613.5	617.8
80°	173.5	177.7	207.3	249.6	300.4	355.4	402.0	440.1	465.4	452.8	448.5
82.5°	105.8	110.0	135.4	173.5	215.8	258.1	308.9	342.7	368.1	351.2	334.3
85°	55.0	59.2	80.4	105.8	139.6	160.8	160.8	143.9	139.6	131.2	126.9
87.5°	16.9	16.9	21.2	25.4	21.2	25.4	29.6	33.9	33.9	38.1	33.9
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)