

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: P532594

Luminaire Tested: **GLAN-SA8A-727-U-5WQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P532594
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-2)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA8A-727-U-5WQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 70 CRI, 2700K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 26201 lumens
Efficiency: N/A
Efficacy: 107.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

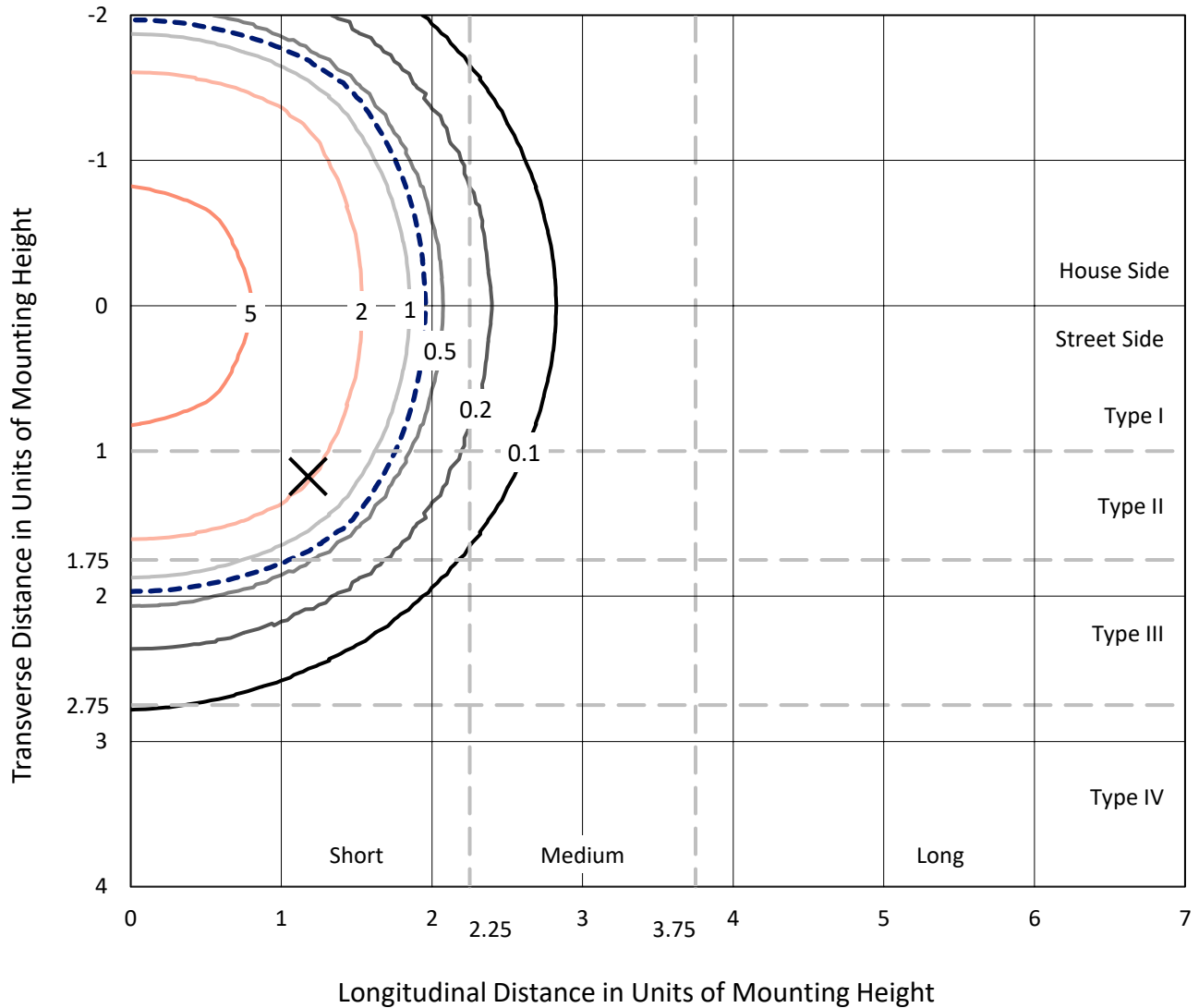
Input Watts (W): 244
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

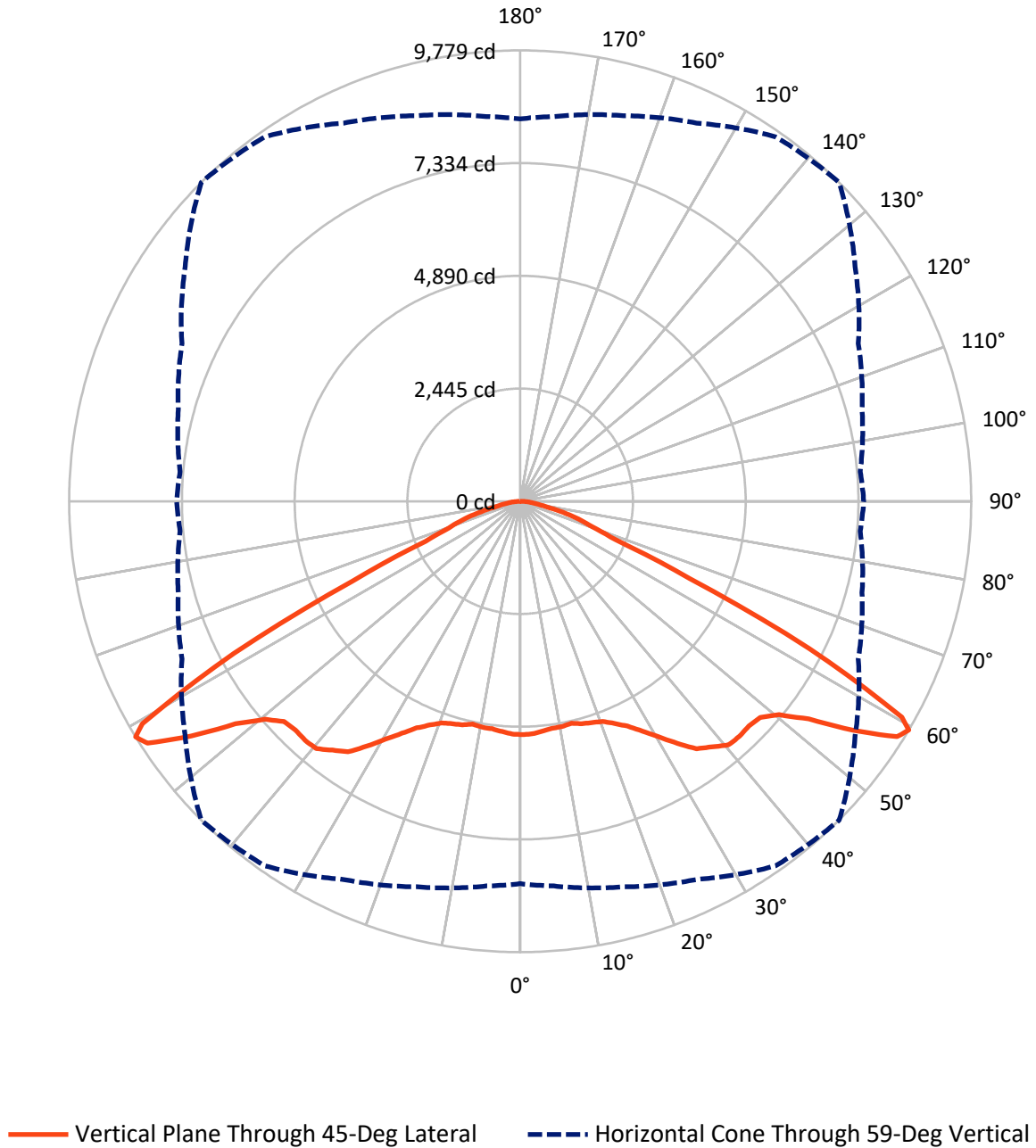
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.1 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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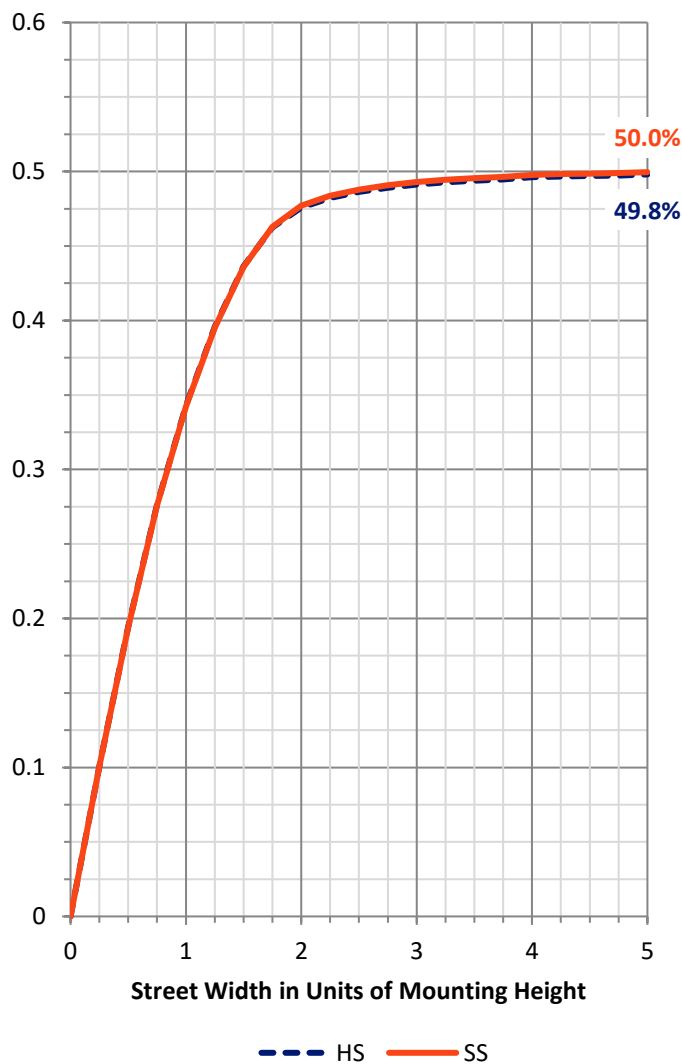
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	13100.5	0.0	13100.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	13100.5	0.0	13100.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	26201.0	0.0	26201.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	477.1	1.8
10°-20°	1418.7	5.4
20°-30°	2477.2	9.5
30°-40°	3956.5	15.1
40°-50°	5389.6	20.6
50°-60°	7288.1	27.8
60°-70°	3996.8	15.3
70°-80°	1022.5	3.9
80°-90°	174.4	0.7
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°	26201.0	100.0
0°-180°	26201.0	100.0

Coefficient of Utilization



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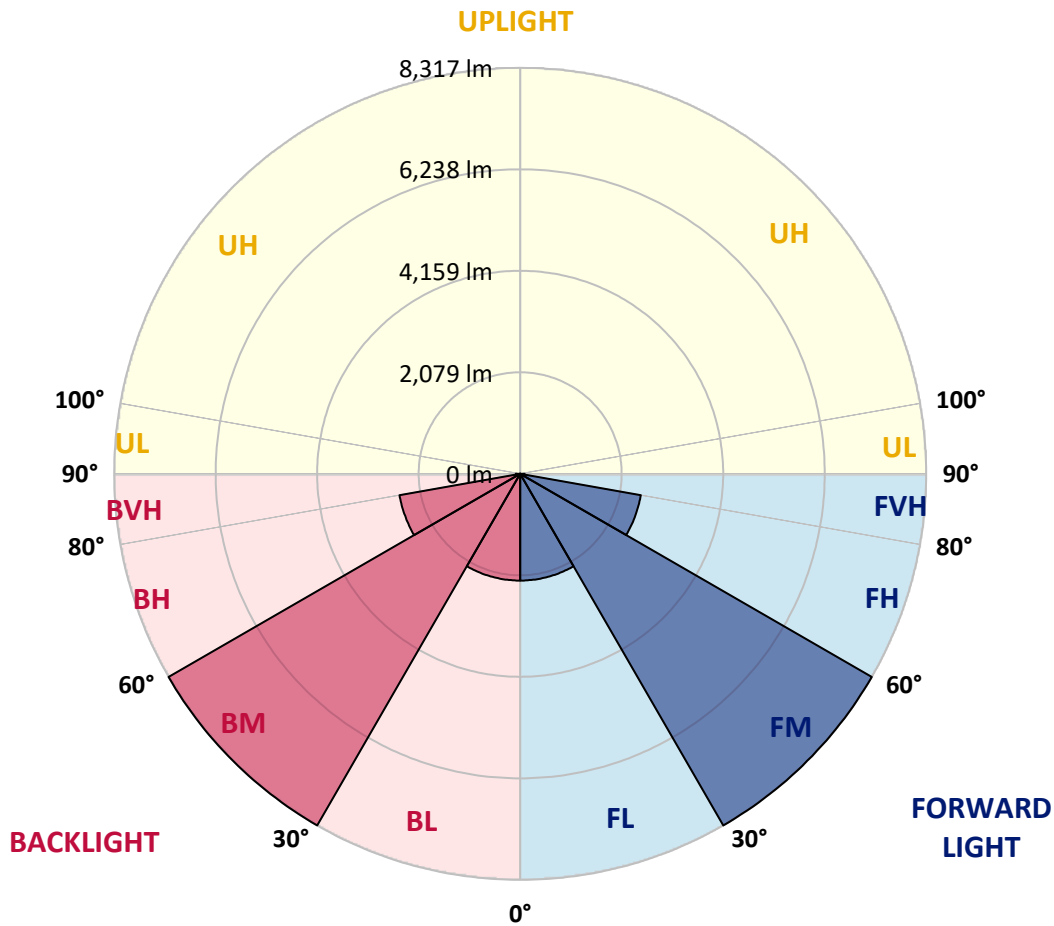
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2186.5	8.3			
FM (30°-60°)	8317.1	31.7			
FH (60°-80°)	2509.7	9.6			G2/5000
FVH (80°-90°)	87.2	0.3			G1/100
BL (0°-30°)	2186.5	8.3	B3/2500		
BM (30°-60°)	8317.1	31.7	B4/8500		
BH (60°-80°)	2509.7	9.6	B4/5000		G2/5000
BVH (80°-90°)	87.2	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	5060.8	5060.8	5060.8	5060.8	5060.8	5060.8	5060.8	5060.8	5060.8	5060.8	5060.8
2.5°	5030.6	5067.5	5040.6	5064.1	5060.8	5050.7	5033.9	5023.8	5010.4	5030.6	4997.0
5°	5010.4	5040.6	5070.9	5030.6	5030.6	5010.4	5000.3	4980.2	4980.2	4976.8	4973.5
7.5°	5044.0	5013.8	5000.3	5007.0	5013.8	4970.1	5000.3	4960.0	4926.5	4950.0	4976.8
10°	5013.8	5027.2	4976.8	5000.3	4963.4	4970.1	4950.0	4976.8	4939.9	4939.9	4939.9
12.5°	5044.0	5007.0	5023.8	5007.0	4997.0	4939.9	4966.8	4936.5	4933.2	4966.8	4936.5
15°	5104.4	5044.0	5030.6	4997.0	5007.0	5007.0	4980.2	4983.5	4946.6	4966.8	4973.5
17.5°	5084.3	5050.7	5040.6	5000.3	5033.9	5044.0	4993.6	4960.0	4983.5	4980.2	4976.8
20°	5101.1	5114.5	5104.4	5111.2	5124.6	5097.7	5050.7	5003.7	4973.5	5017.1	5013.8
22.5°	5208.5	5195.1	5188.4	5181.7	5205.2	5232.0	5168.2	5094.4	5094.4	5124.6	5138.0
25°	5295.9	5292.5	5289.1	5319.4	5400.0	5400.0	5319.4	5225.3	5201.8	5222.0	5205.2
27.5°	5423.5	5460.4	5447.0	5500.7	5618.2	5645.1	5537.6	5426.8	5363.0	5339.5	5369.7
30°	5715.6	5672.0	5682.0	5739.1	5843.2	5930.5	5766.0	5648.5	5561.1	5557.8	5571.2
32.5°	5910.4	5944.0	5974.2	6027.9	6192.5	6259.7	6061.5	5870.1	5816.4	5786.1	5796.2
35°	6299.9	6269.7	6263.0	6316.7	6481.3	6592.1	6343.6	6175.7	6105.2	6172.3	6172.3
37.5°	6669.3	6585.4	6521.6	6592.1	6743.2	6756.7	6545.1	6454.4	6417.5	6494.7	6491.4
40°	6844.0	6837.3	6689.5	6729.8	6931.3	6951.4	6753.3	6645.8	6639.1	6739.9	6840.6
42.5°	7025.3	6961.5	6813.8	6840.6	6964.9	6971.6	6783.5	6753.3	6827.2	6924.6	6931.3
45°	7055.5	7001.8	6907.8	6840.6	6931.3	6951.4	6840.6	6860.8	6867.5	6985.0	6985.0
47.5°	7116.0	7109.3	7055.5	7005.2	7022.0	7005.2	6934.6	6964.9	7065.6	7122.7	7095.8
50°	7283.9	7213.4	7267.1	7223.4	7226.8	7273.8	7210.0	7240.2	7220.1	7169.7	7136.1
52.5°	7653.3	7619.7	7666.7	7697.0	7730.5	7838.0	7764.1	7602.9	7451.8	7317.5	7314.1
55°	8194.0	8217.5	8308.1	8462.6	8593.6	8764.9	8408.9	8022.7	7780.9	7569.3	7582.8
57.5°	8704.4	8687.6	8811.9	9164.5	9547.3	9634.6	8936.1	8385.4	7992.5	7858.1	7801.1
59°	8294.7	8375.3	8657.4	9050.3	9651.4	9779.0	8865.6	8089.9	7673.4	7401.4	7448.4
60°	7649.9	7680.2	7932.0	8479.4	9292.1	9510.4	8392.1	7633.1	7079.0	6921.2	6991.7
62.5°	5406.7	5383.2	5564.5	6011.1	6739.9	7035.4	6239.5	5705.6	5356.3	5181.7	5222.0
65°	2874.6	2982.1	3055.9	3334.7	3720.9	4033.2	3704.1	3472.4	3277.6	3133.2	3129.8
67.5°	1941.0	1927.6	1944.4	2008.2	2139.2	2226.5	2219.8	2102.2	2085.4	2058.6	2088.8
70°	1635.4	1628.7	1598.5	1598.5	1625.4	1645.5	1669.0	1682.4	1709.3	1742.9	1739.5
72.5°	1326.5	1309.7	1289.5	1279.5	1313.0	1323.1	1353.3	1366.8	1390.3	1386.9	1417.2
75°	876.5	876.5	900.0	926.9	936.9	957.1	960.4	1000.7	1000.7	1007.5	980.6
77.5°	490.3	476.9	493.7	520.5	544.0	581.0	617.9	648.1	664.9	658.2	658.2
80°	285.4	285.4	302.2	332.5	362.7	396.3	423.1	446.6	463.4	456.7	443.3
82.5°	178.0	178.0	194.8	225.0	248.5	268.7	305.6	335.8	356.0	349.3	332.5
85°	90.7	90.7	110.8	131.0	161.2	174.6	171.3	157.8	154.5	137.7	137.7
87.5°	23.5	23.5	33.6	36.9	30.2	33.6	33.6	33.6	33.6	33.6	36.9
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)