

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: P531476

Luminaire Tested: **GLAN-SA6D-735-U-5WQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P531476
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-SA6D-735-U-5WQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 3500K, 1200mA 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: 36254 lumens
Efficiency: N/A
Efficacy: 98.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G2

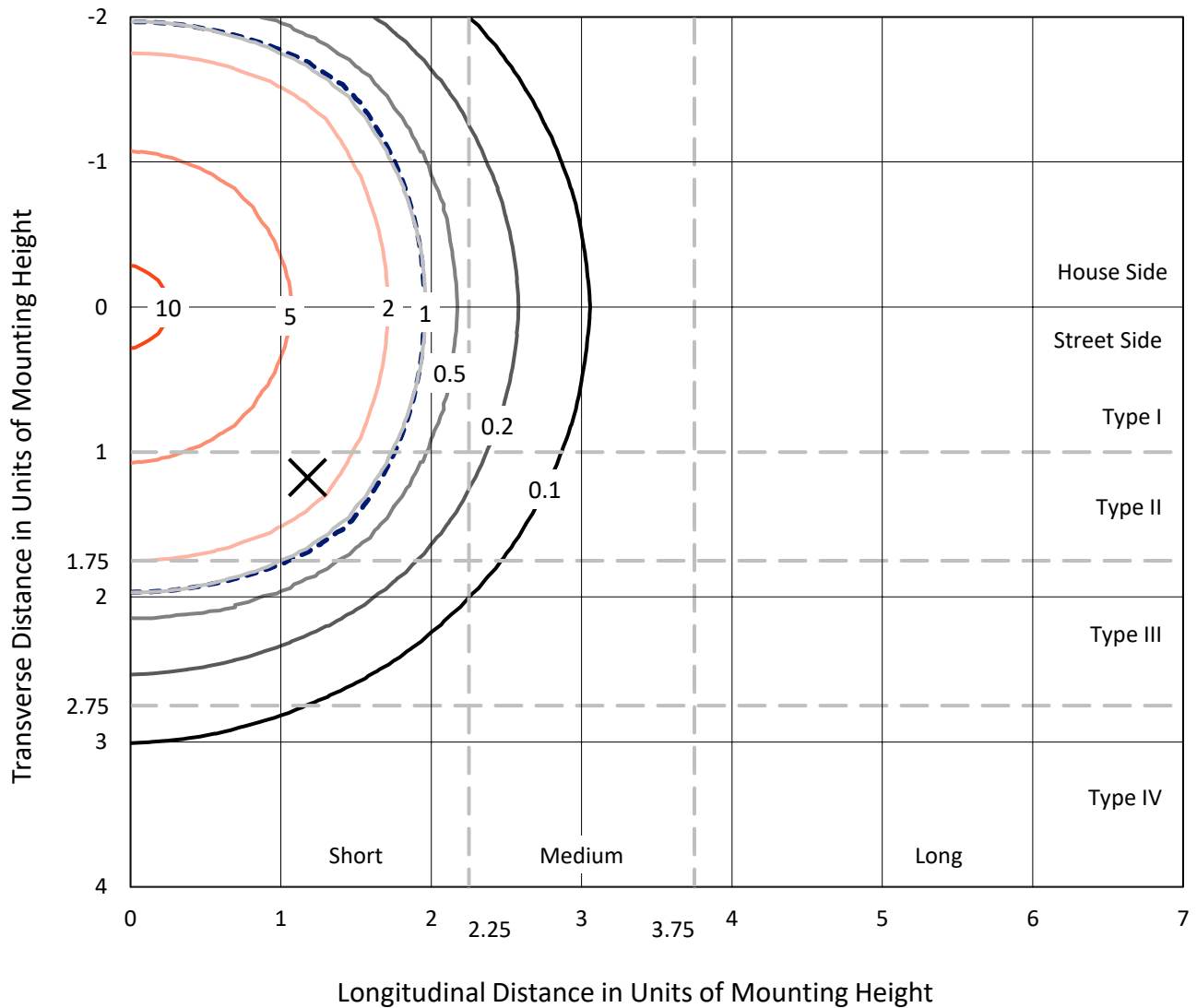
Input Watts (W): 368
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

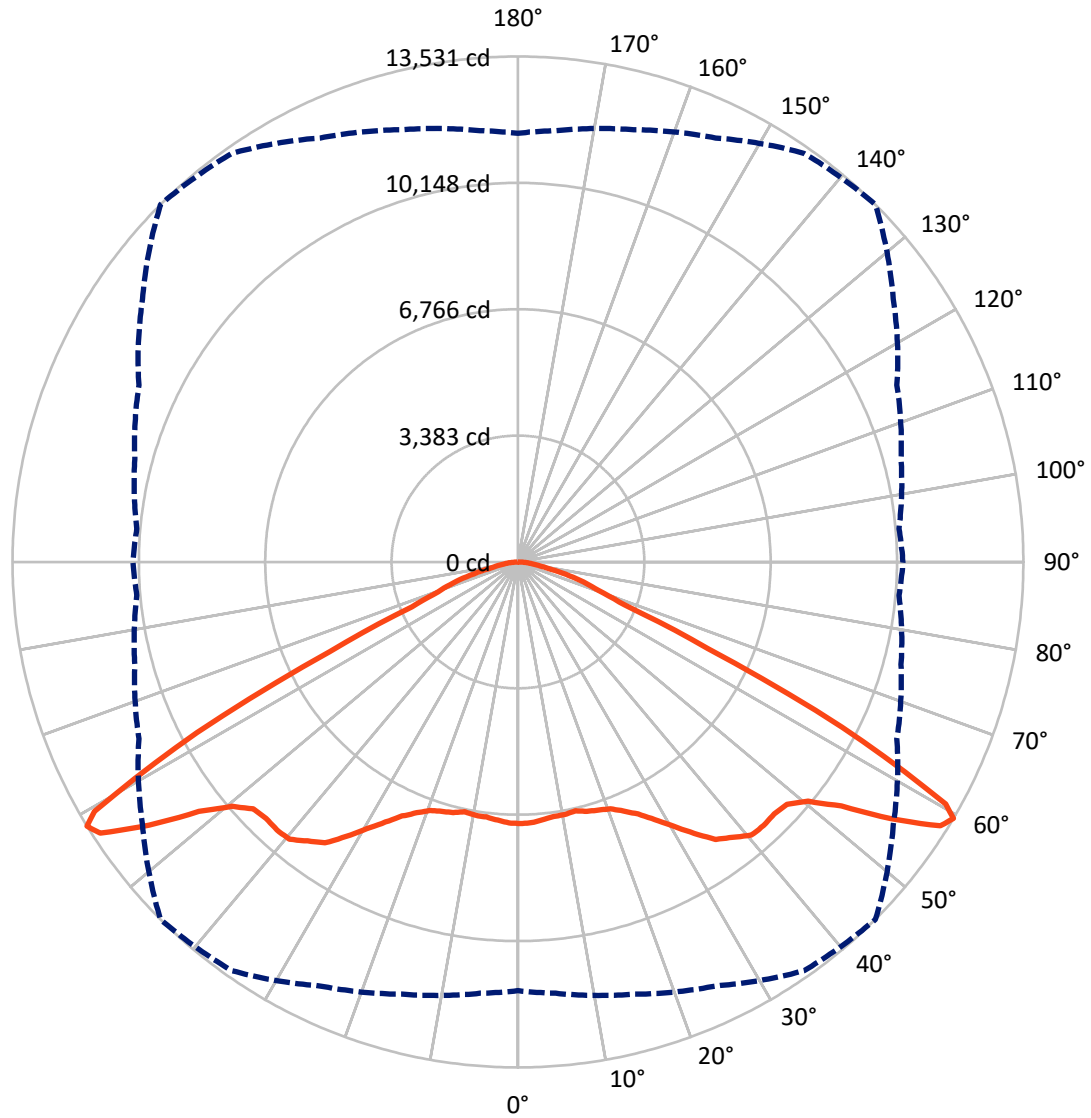
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.2 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 59-Deg Vertical

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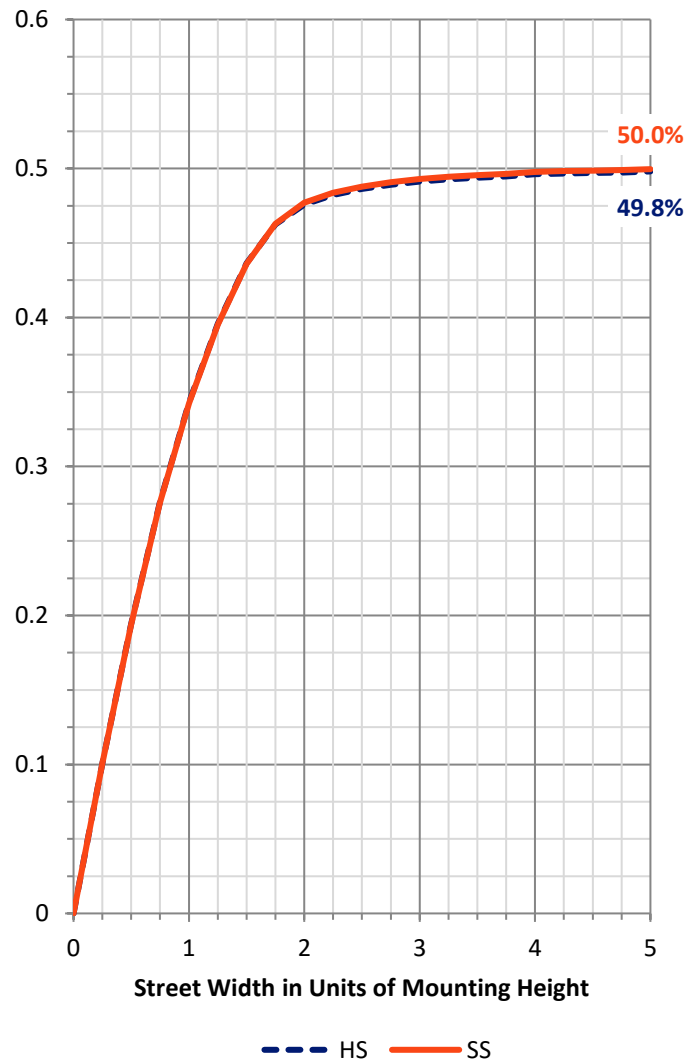
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	18127.0	0.0	18127.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	18127.0	0.0	18127.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	36254.0	0.0	36254.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	660.1	1.8
10°-20°	1963.1	5.4
20°-30°	3427.7	9.5
30°-40°	5474.6	15.1
40°-50°	7457.5	20.6
50°-60°	10084.5	27.8
60°-70°	5530.4	15.3
70°-80°	1414.8	3.9
80°-90°	241.3	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°	36254.0	100.0
0°-180°	36254.0	100.0

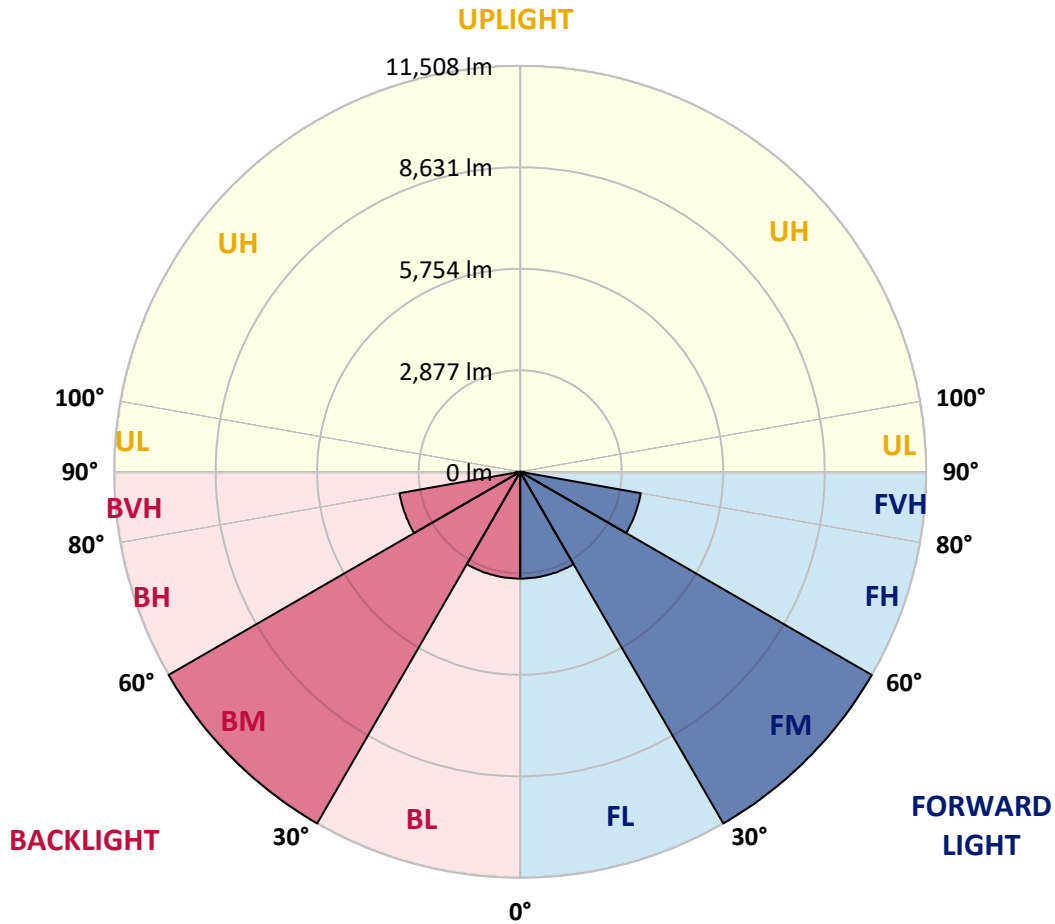


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3025.5	8.3			
FM (30°-60°)	11508.3	31.7			
FH (60°-80°)	3472.6	9.6			G2/5000
FVH (80°-90°)	120.7	0.3			G2/225
BL (0°-30°)	3025.5	8.3	B4/5000		
BM (30°-60°)	11508.3	31.7	B5		
BH (60°-80°)	3472.6	9.6	B4/5000		G2/5000
BVH (80°-90°)	120.7	0.3			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°	7002.5	7002.5	7002.5	7002.5	7002.5	7002.5	7002.5	7002.5	7002.5	7002.5	7002.5
2.5°	6960.7	7011.8	6974.7	7007.2	7002.5	6988.6	6965.4	6951.4	6932.8	6960.7	6914.3
5°	6932.8	6974.7	7016.5	6960.7	6960.7	6932.8	6918.9	6891.0	6891.0	6886.4	6881.7
7.5°	6979.3	6937.5	6918.9	6928.2	6937.5	6877.1	6918.9	6863.1	6816.7	6849.2	6886.4
10°	6937.5	6956.1	6886.4	6918.9	6867.8	6877.1	6849.2	6886.4	6835.3	6835.3	6835.3
12.5°	6979.3	6928.2	6951.4	6928.2	6914.3	6835.3	6872.4	6830.6	6826.0	6872.4	6830.6
15°	7062.9	6979.3	6960.7	6914.3	6928.2	6928.2	6891.0	6895.7	6844.6	6872.4	6881.7
17.5°	7035.1	6988.6	6974.7	6918.9	6965.4	6979.3	6909.6	6863.1	6895.7	6891.0	6886.4
20°	7058.3	7076.9	7062.9	7072.2	7090.8	7053.7	6988.6	6923.5	6881.7	6942.1	6937.5
22.5°	7207.0	7188.4	7179.1	7169.8	7202.3	7239.5	7151.2	7049.0	7049.0	7090.8	7109.4
25°	7327.8	7323.2	7318.5	7360.3	7471.9	7471.9	7360.3	7230.2	7197.7	7225.6	7202.3
27.5°	7504.4	7555.5	7536.9	7611.3	7773.9	7811.1	7662.4	7509.0	7420.7	7388.2	7430.0
30°	7908.6	7848.2	7862.2	7941.2	8085.2	8206.0	7978.3	7815.7	7694.9	7690.2	7708.8
32.5°	8178.1	8224.6	8266.4	8340.8	8568.5	8661.4	8387.2	8122.4	8048.0	8006.2	8020.2
35°	8717.2	8675.3	8666.0	8740.4	8968.1	9121.4	8777.6	8545.2	8447.7	8540.6	8540.6
37.5°	9228.3	9112.1	9023.8	9121.4	9330.5	9349.1	9056.4	8930.9	8879.8	8986.7	8982.0
40°	9469.9	9460.6	9256.2	9311.9	9590.7	9618.6	9344.5	9195.8	9186.5	9325.9	9465.3
42.5°	9720.8	9632.6	9428.1	9465.3	9637.2	9646.5	9386.3	9344.5	9446.7	9581.4	9590.7
45°	9762.7	9688.3	9558.2	9465.3	9590.7	9618.6	9465.3	9493.2	9502.5	9665.1	9665.1
47.5°	9846.3	9837.0	9762.7	9693.0	9716.2	9693.0	9595.4	9637.2	9776.6	9855.6	9818.4
50°	10078.6	9981.1	10055.4	9995.0	9999.6	10064.7	9976.4	10018.2	9990.4	9920.7	9874.2
52.5°	10589.8	10543.3	10608.4	10650.2	10696.6	10845.3	10743.1	10520.1	10311.0	10125.1	10120.5
55°	11337.9	11370.4	11495.9	11709.6	11890.8	12127.8	11635.3	11100.9	10766.3	10473.6	10492.2
57.5°	12044.2	12020.9	12192.9	12680.8	13210.5	13331.3	12364.8	11602.7	11059.1	10873.2	10794.2
59°	11477.3	11588.8	11979.1	12522.8	13354.5	13531.1	12267.2	11193.8	10617.7	10241.3	10306.3
60°	10585.1	10626.9	10975.4	11732.9	12857.3	13159.4	11612.0	10561.9	9795.2	9576.8	9674.4
62.5°	7481.1	7448.6	7699.5	8317.5	9325.9	9734.8	8633.5	7894.7	7411.4	7169.8	7225.6
65°	3977.6	4126.2	4228.5	4614.1	5148.5	5580.7	5125.3	4804.7	4535.2	4335.3	4330.7
67.5°	2685.8	2667.2	2690.4	2778.7	2959.9	3080.7	3071.5	2908.8	2885.6	2848.4	2890.2
70°	2262.9	2253.6	2211.8	2211.8	2249.0	2276.9	2309.4	2328.0	2365.2	2411.6	2407.0
72.5°	1835.4	1812.2	1784.3	1770.4	1816.8	1830.8	1872.6	1891.2	1923.7	1919.1	1960.9
75°	1212.8	1212.8	1245.3	1282.5	1296.4	1324.3	1328.9	1384.7	1384.7	1394.0	1356.8
77.5°	678.4	659.8	683.1	720.2	752.8	803.9	855.0	896.8	920.0	910.7	910.7
80°	395.0	395.0	418.2	460.0	501.8	548.3	585.5	618.0	641.2	631.9	613.4
82.5°	246.3	246.3	269.5	311.3	343.9	371.7	422.8	464.7	492.5	483.3	460.0
85°	125.5	125.5	153.3	181.2	223.0	241.6	237.0	218.4	213.7	190.5	190.5
87.5°	32.5	32.5	46.5	51.1	41.8	46.5	46.5	46.5	46.5	46.5	51.1
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)