

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: P528853

Luminaire Tested: **GLAN-SA4A-727-U-RW-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P528853
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-7)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA4A-727-U-RW-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(4) 70 CRI, 2700K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR
WIDE OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9778 lumens
Efficiency: N/A
Efficacy: 80.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G0

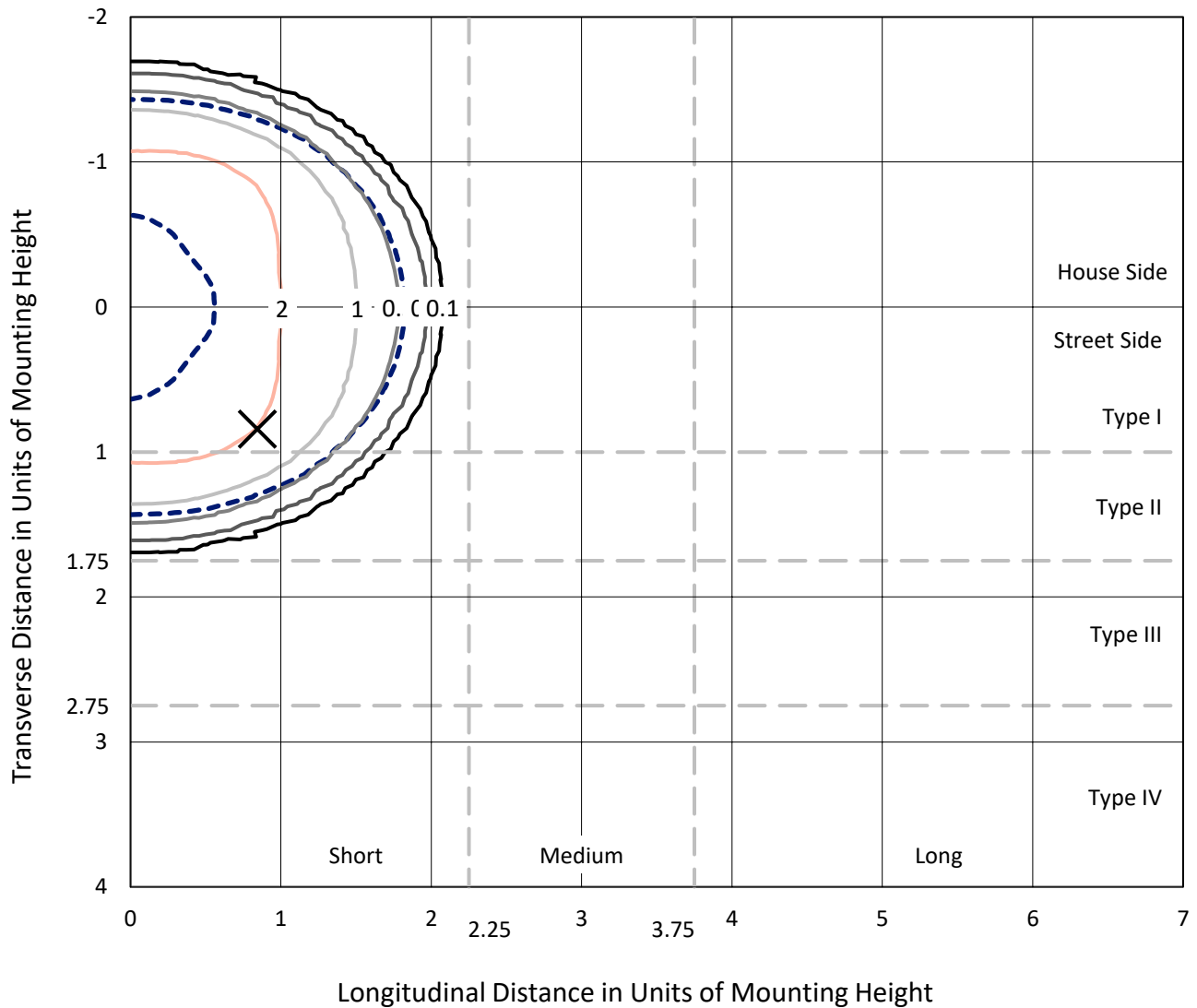
Input Watts (W): 121
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

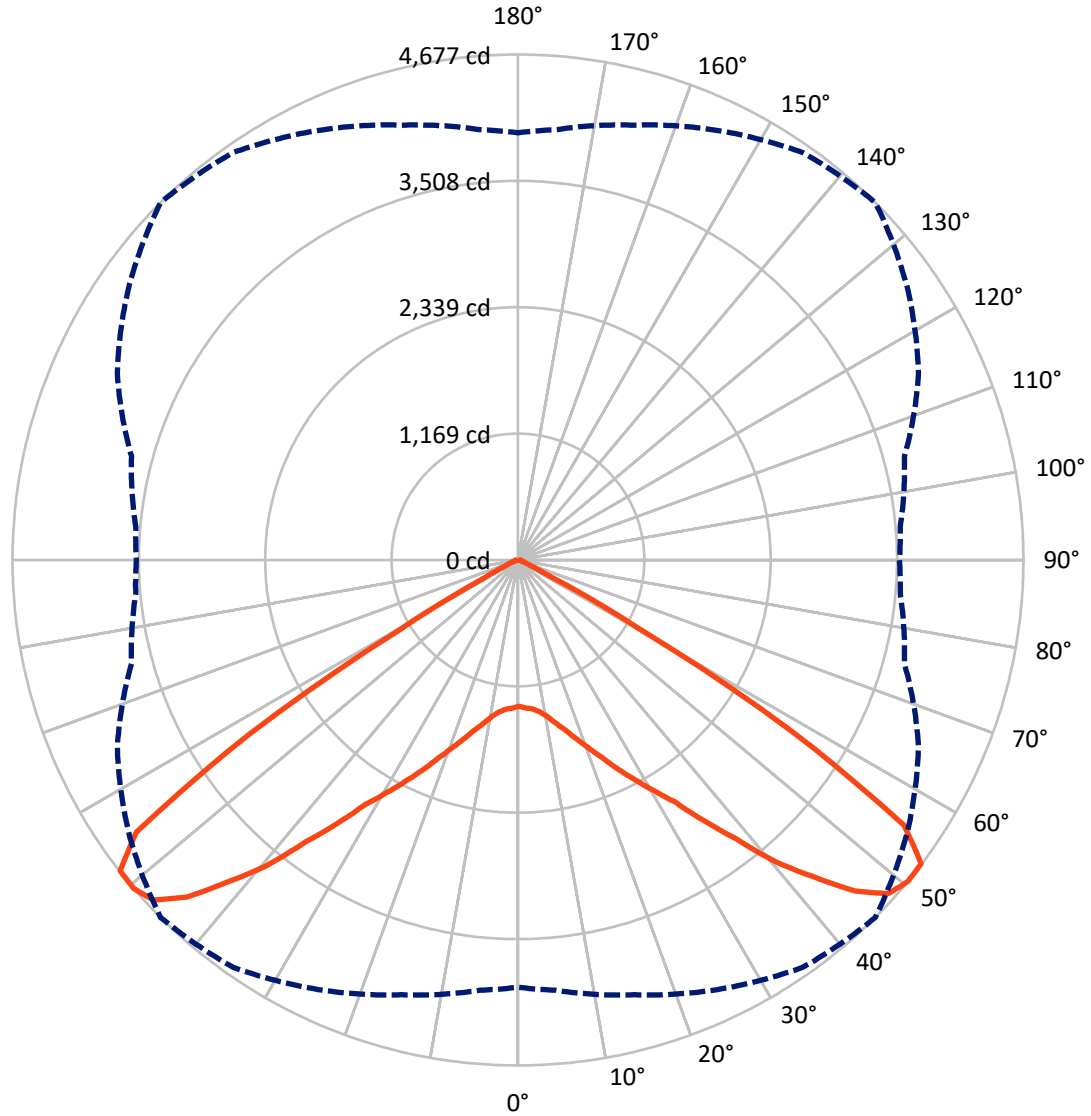
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.6 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 50-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4889.0	0.0	4889.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4889.0	0.0	4889.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	9778.0	0.0	9778.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	134.9	1.4
10°-20°	464.8	4.8
20°-30°	949.3	9.7
30°-40°	1810.4	18.5
40°-50°	3050.8	31.2
50°-60°	2909.4	29.8
60°-70°	406.1	4.2
70°-80°	38.8	0.4
80°-90°	13.4	0.1
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°	9778.0	100.0
0°-180°	9778.0	100.0

Coefficient of Utilization



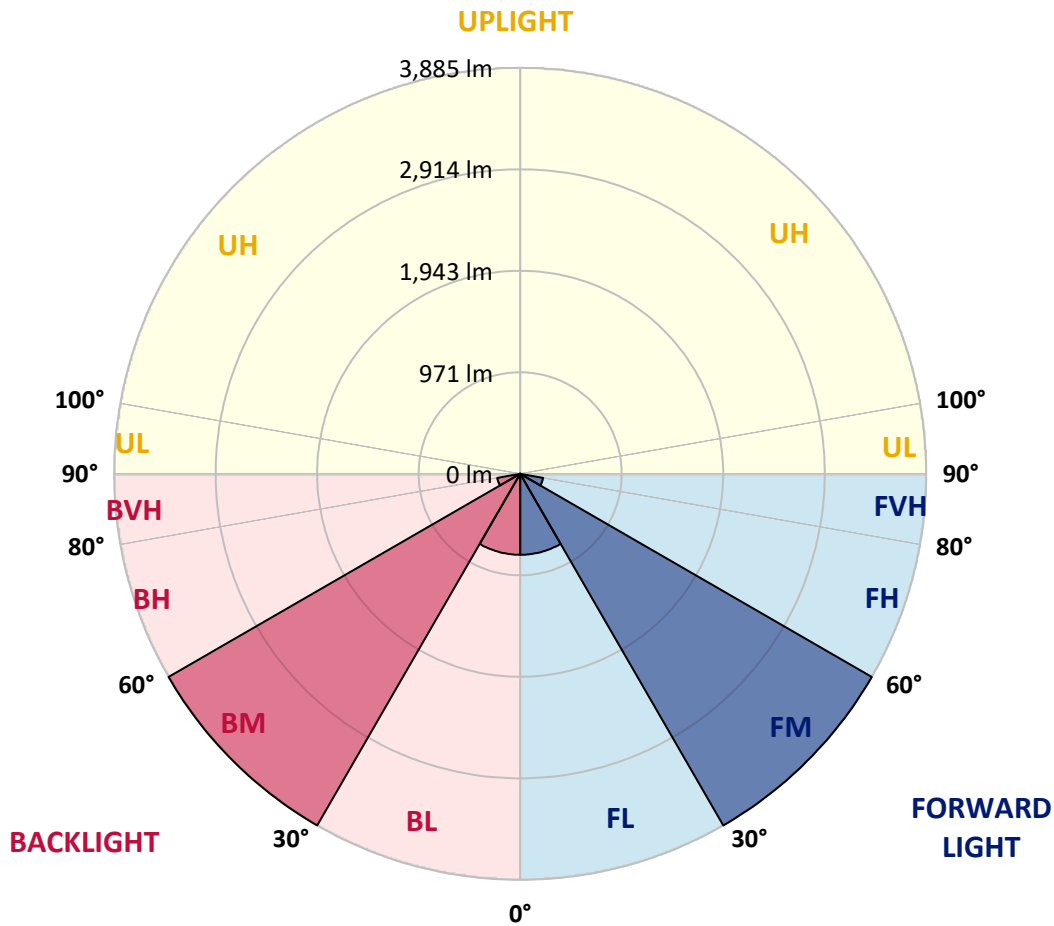
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	774.5	7.9			
FM (30°-60°)	3885.3	39.7			
FH (60°-80°)	222.5	2.3			G0/660
FVH (80°-90°)	6.7	0.1			G0/10
BL (0°-30°)	774.5	7.9	B2/1000		
BM (30°-60°)	3885.3	39.7	B3/5000		
BH (60°-80°)	222.5	2.3	B1/500		G0/660
BVH (80°-90°)	6.7	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G0

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1355.6	1355.6	1355.6	1355.6	1355.6	1355.6	1355.6	1355.6	1355.6	1355.6	1355.6
2.5°	1350.7	1350.7	1349.0	1362.2	1355.6	1370.4	1368.8	1373.7	1378.6	1377.0	1390.2
5°	1339.2	1337.5	1337.5	1352.3	1367.1	1383.6	1398.4	1408.3	1424.7	1424.7	1441.2
7.5°	1350.7	1342.5	1354.0	1360.5	1388.5	1416.5	1441.2	1460.9	1498.7	1511.9	1507.0
10°	1354.0	1363.8	1372.1	1391.8	1426.4	1469.1	1490.5	1539.9	1582.6	1612.3	1618.8
12.5°	1375.4	1390.2	1413.2	1460.9	1492.2	1548.1	1577.7	1625.4	1684.6	1717.5	1740.6
15°	1416.5	1421.4	1451.0	1511.9	1579.4	1630.4	1676.4	1711.0	1768.5	1806.4	1808.0
17.5°	1469.1	1490.5	1531.6	1589.2	1660.0	1735.6	1771.8	1809.7	1831.1	1882.1	1893.6
20°	1574.4	1577.7	1617.2	1692.9	1781.7	1850.8	1877.1	1896.9	1888.6	1941.3	1951.2
22.5°	1673.1	1676.4	1725.8	1827.8	1923.2	1982.4	1993.9	1982.4	1957.7	1995.6	1998.9
25°	1773.5	1803.1	1839.3	1941.3	2059.7	2138.7	2140.4	2109.1	2058.1	2064.7	2081.1
27.5°	1929.8	1951.2	1989.0	2082.8	2212.7	2301.6	2286.8	2248.9	2183.1	2188.1	2183.1
30°	2112.4	2132.1	2163.4	2283.5	2378.9	2476.0	2497.4	2461.2	2362.5	2341.1	2365.7
32.5°	2332.8	2360.8	2418.4	2528.6	2609.2	2668.5	2683.3	2670.1	2578.0	2569.7	2586.2
35°	2601.0	2638.8	2691.5	2788.5	2854.4	2961.3	2961.3	2916.9	2833.0	2842.8	2841.2
37.5°	2884.0	2939.9	3022.2	3120.9	3209.7	3267.3	3249.2	3211.4	3127.4	3106.1	3127.4
40°	3239.3	3267.3	3370.9	3499.3	3607.8	3673.6	3596.3	3514.1	3313.4	3344.6	3402.2
42.5°	3563.4	3607.8	3686.8	3828.3	3951.7	4006.0	3913.8	3751.0	3509.1	3484.4	3527.2
45°	3839.8	3887.5	3991.2	4193.5	4323.5	4371.2	4167.2	3904.0	3627.6	3565.1	3583.2
47.5°	4024.1	4048.7	4193.5	4386.0	4504.4	4613.0	4320.2	4009.3	3683.5	3565.1	3558.5
50°	3953.3	3996.1	4165.5	4384.4	4599.9	4677.2	4397.5	4089.9	3701.6	3550.3	3530.5
52.5°	3510.8	3584.8	3774.0	4068.5	4394.2	4670.6	4504.4	4063.5	3695.0	3565.1	3594.7
55°	2443.1	2444.7	2675.0	3109.4	3685.2	4336.6	4348.2	4093.2	3737.8	3657.2	3658.8
57.5°	982.2	1031.5	1207.5	1643.5	2174.9	2977.7	3540.4	3797.0	3742.7	3723.0	3774.0
60°	248.4	250.1	304.4	463.9	765.0	1276.6	1854.1	2508.9	2888.9	3018.9	3037.0
62.5°	126.7	128.3	141.5	164.5	208.9	342.2	608.7	965.7	1373.7	1581.0	1635.3
65°	103.6	103.6	111.9	123.4	125.0	131.6	157.9	225.4	327.4	371.8	376.7
67.5°	79.0	79.0	85.5	92.1	95.4	93.8	90.5	93.8	113.5	108.6	105.3
70°	49.4	51.0	54.3	60.9	64.2	65.8	67.5	70.7	80.6	83.9	80.6
72.5°	29.6	29.6	31.3	36.2	41.1	44.4	49.4	52.6	57.6	65.8	64.2
75°	13.2	13.2	16.5	21.4	26.3	31.3	36.2	41.1	44.4	49.4	51.0
77.5°	3.3	4.9	8.2	14.8	19.7	26.3	32.9	37.8	41.1	41.1	39.5
80°	1.6	1.6	6.6	11.5	21.4	28.0	36.2	39.5	44.4	41.1	36.2
82.5°	1.6	1.6	6.6	11.5	19.7	28.0	37.8	42.8	46.1	41.1	34.5
85°	0.0	1.6	4.9	9.9	16.5	19.7	16.5	11.5	6.6	6.6	4.9
87.5°	0.0	0.0	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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)