

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: P529035

Luminaire Tested: **GLAN-SA4A-830-U-RW-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P529035
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-830-U-RW-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(4) 80 CRI, 3000K, 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: 9290 lumens
Efficiency: N/A
Efficacy: 76.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G0

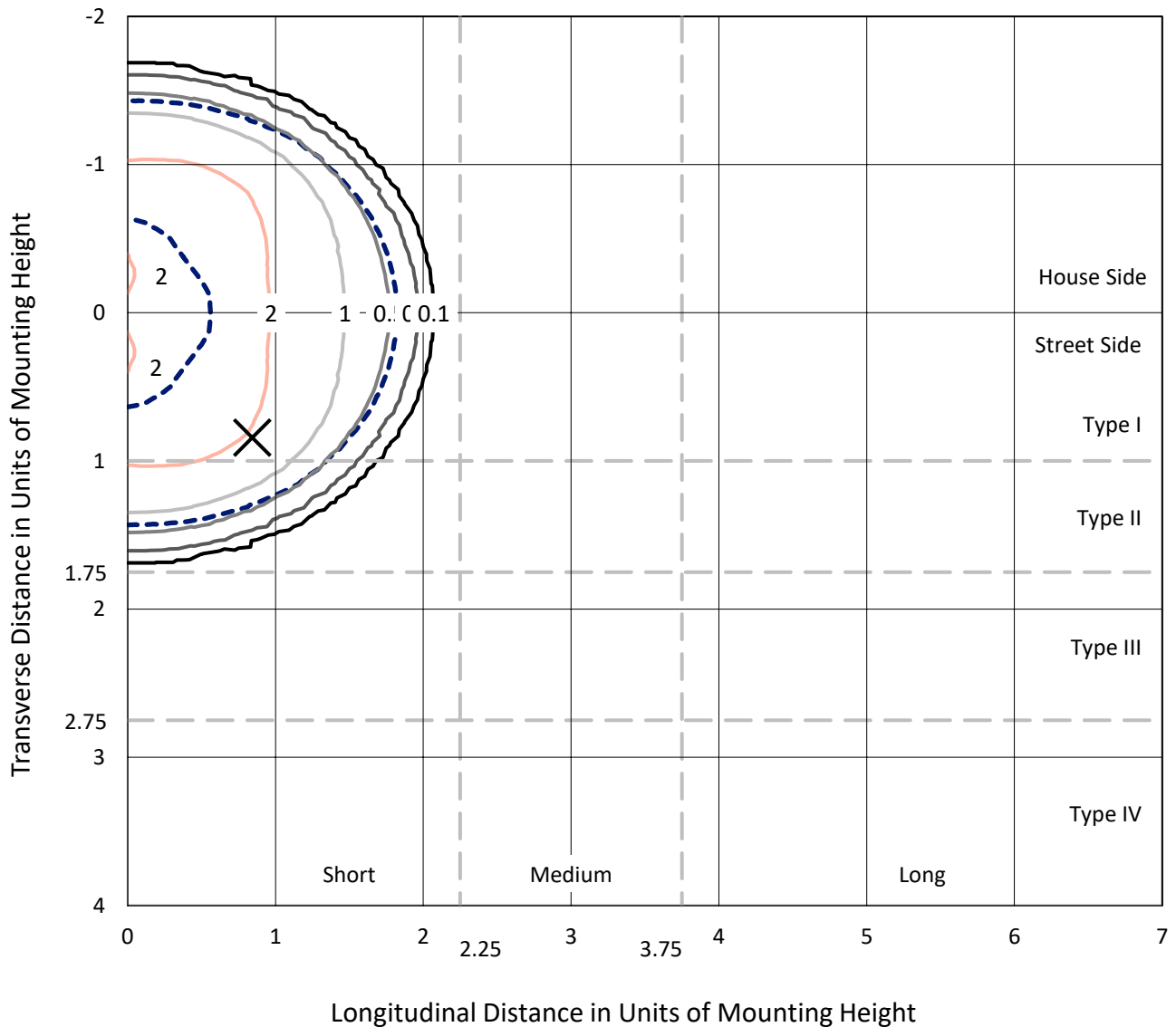
Input Watts (W): 121
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P529035
 CATALOG NUMBER: GLAN-SA4A-830-U-RW-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

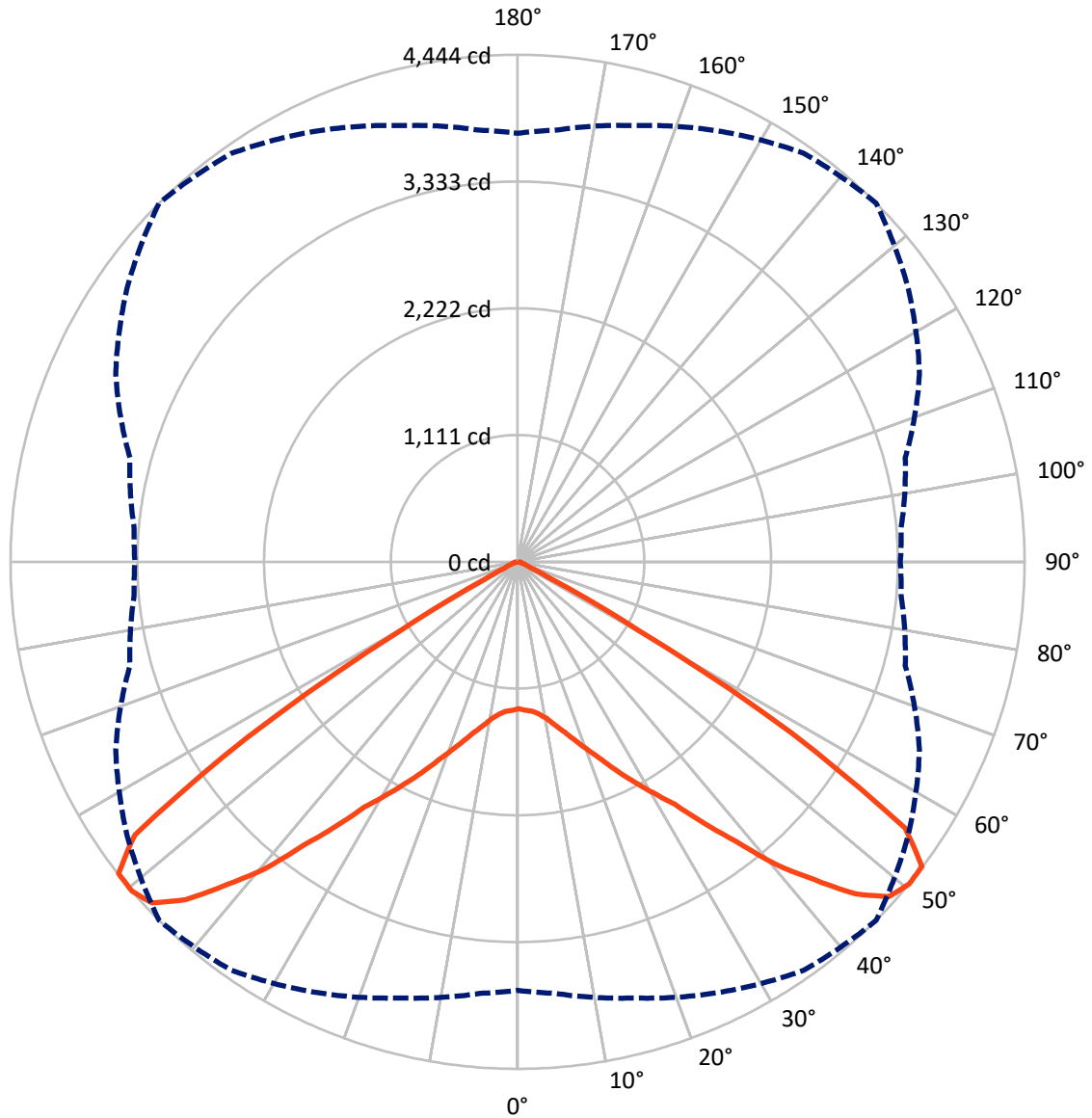
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.5 fc
 Type V - Short - N/A

REPORT NUMBER: P529035
CATALOG NUMBER: GLAN-SA4A-830-U-RW-GRSBK

Luminous Intensity Polar Plot



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

REPORT NUMBER: P529035
 CATALOG NUMBER: GLAN-SA4A-830-U-RW-GRSBK

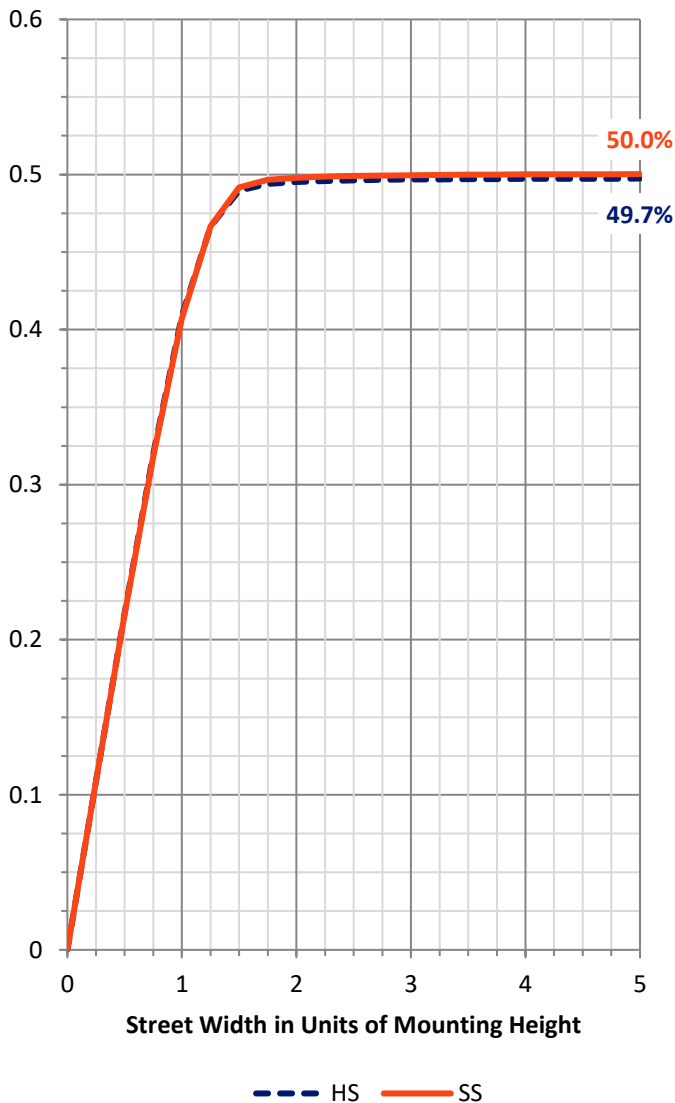
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4645.0	0.0	4645.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4645.0	0.0	4645.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	9290.0	0.0	9290.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	128.1	1.4
10°-20°	441.6	4.8
20°-30°	902.0	9.7
30°-40°	1720.0	18.5
40°-50°	2898.5	31.2
50°-60°	2764.2	29.8
60°-70°	385.9	4.2
70°-80°	36.9	0.4
80°-90°	12.8	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°	9290.0	100.0
0°-180°	9290.0	100.0

Coefficient of Utilization



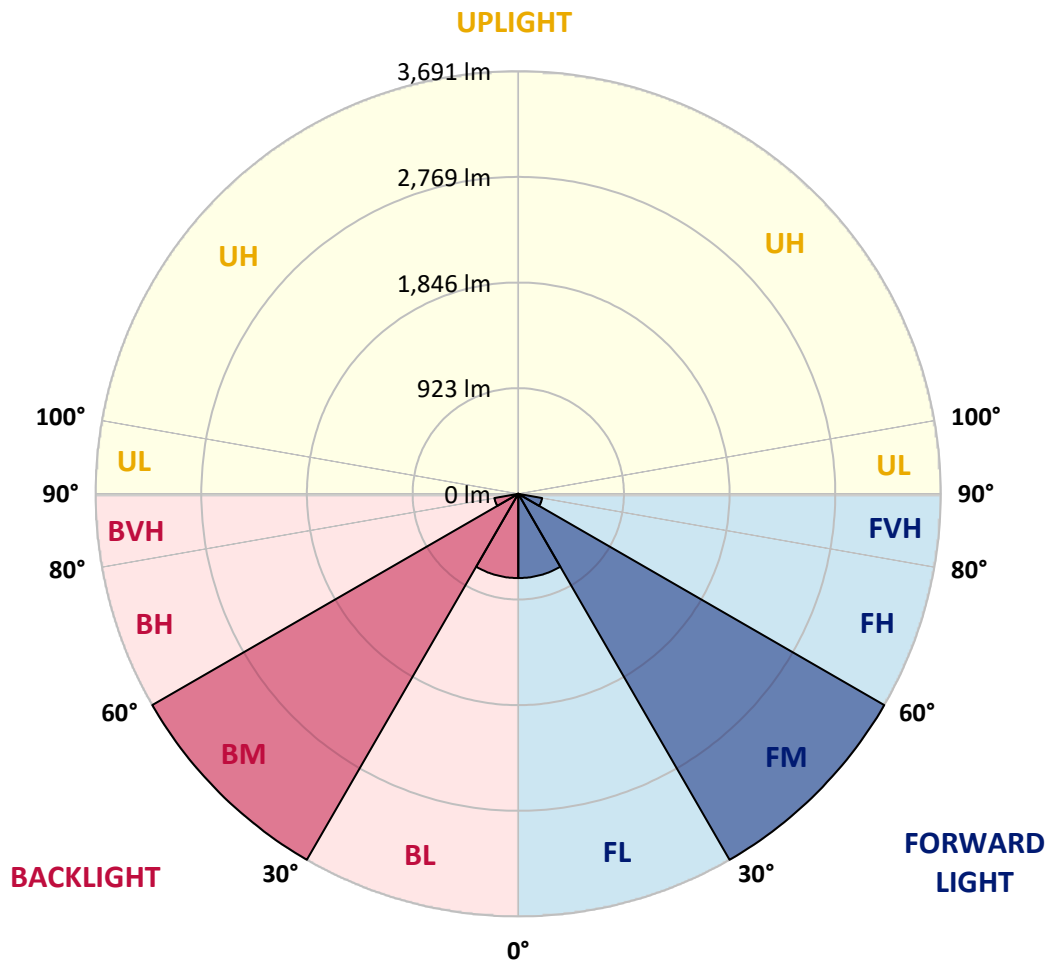
REPORT NUMBER: P529035
 CATALOG NUMBER: GLAN-SA4A-830-U-RW-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	735.9	7.9			
FM (30°-60°)	3691.4	39.7			
FH (60°-80°)	211.4	2.3			G0/660
FVH (80°-90°)	6.4	0.1			G0/10
BL (0°-30°)	735.9	7.9	B2/1000		
BM (30°-60°)	3691.4	39.7	B3/5000		
BH (60°-80°)	211.4	2.3	B1/500		G0/660
BVH (80°-90°)	6.4	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





REPORT NUMBER: P529035

CATALOG NUMBER: GLAN-SA4A-830-U-RW-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1288.0	1288.0	1288.0	1288.0	1288.0	1288.0	1288.0	1288.0	1288.0	1288.0	1288.0
2.5°	1283.3	1283.3	1281.7	1294.2	1288.0	1302.0	1300.5	1305.1	1309.8	1308.3	1320.8
5°	1272.3	1270.8	1270.8	1284.8	1298.9	1314.5	1328.6	1338.0	1353.6	1353.6	1369.2
7.5°	1283.3	1275.5	1286.4	1292.6	1319.2	1345.8	1369.2	1388.0	1423.9	1436.4	1431.8
10°	1286.4	1295.8	1303.6	1322.3	1355.2	1395.8	1416.1	1463.0	1503.7	1531.8	1538.0
12.5°	1306.7	1320.8	1342.7	1388.0	1417.7	1470.8	1499.0	1544.3	1600.6	1631.8	1653.7
15°	1345.8	1350.5	1378.6	1436.4	1500.5	1549.0	1592.8	1625.6	1680.3	1716.2	1717.8
17.5°	1395.8	1416.1	1455.2	1509.9	1577.1	1649.0	1683.4	1719.4	1739.7	1788.1	1799.1
20°	1495.8	1499.0	1536.5	1608.4	1692.8	1758.4	1783.4	1802.2	1794.4	1844.4	1853.8
22.5°	1589.6	1592.8	1639.6	1736.6	1827.2	1883.5	1894.4	1883.5	1860.0	1896.0	1899.1
25°	1685.0	1713.1	1747.5	1844.4	1956.9	2032.0	2033.5	2003.8	1955.4	1961.6	1977.3
27.5°	1833.5	1853.8	1889.7	1978.8	2102.3	2186.7	2172.6	2136.7	2074.2	2078.9	2074.2
30°	2007.0	2025.7	2055.4	2169.5	2260.2	2352.4	2372.7	2338.3	2244.5	2224.2	2247.7
32.5°	2216.4	2243.0	2297.7	2402.4	2479.0	2535.3	2549.3	2536.8	2449.3	2441.5	2457.1
35°	2471.2	2507.1	2557.2	2649.4	2711.9	2813.5	2813.5	2771.3	2691.6	2701.0	2699.4
37.5°	2740.0	2793.2	2871.3	2965.1	3049.5	3104.2	3087.0	3051.1	2971.4	2951.0	2971.4
40°	3077.7	3104.2	3202.7	3324.6	3427.8	3490.3	3416.8	3338.7	3148.0	3177.7	3232.4
42.5°	3385.6	3427.8	3502.8	3637.2	3754.5	3806.0	3718.5	3563.8	3334.0	3310.5	3351.2
45°	3648.2	3693.5	3792.0	3984.2	4107.7	4153.0	3959.2	3709.1	3446.5	3387.1	3404.3
47.5°	3823.2	3846.7	3984.2	4167.1	4279.6	4382.8	4104.6	3809.2	3499.7	3387.1	3380.9
50°	3756.0	3796.7	3957.7	4165.5	4370.3	4443.8	4178.0	3885.8	3516.9	3373.1	3354.3
52.5°	3335.6	3405.9	3585.6	3865.4	4174.9	4437.5	4279.6	3860.7	3510.6	3387.1	3415.3
55°	2321.1	2322.7	2541.5	2954.2	3501.2	4120.2	4131.2	3888.9	3551.3	3474.7	3476.2
57.5°	933.1	980.0	1147.3	1561.5	2066.4	2829.1	3363.7	3607.5	3555.9	3537.2	3585.6
60°	236.0	237.6	289.2	440.8	726.8	1212.9	1761.6	2383.7	2744.7	2868.2	2885.4
62.5°	120.4	121.9	134.4	156.3	198.5	325.1	578.3	917.5	1305.1	1502.1	1553.7
65°	98.5	98.5	106.3	117.2	118.8	125.0	150.1	214.1	311.0	353.3	357.9
67.5°	75.0	75.0	81.3	87.5	90.7	89.1	86.0	89.1	107.9	103.2	100.0
70°	46.9	48.5	51.6	57.8	61.0	62.5	64.1	67.2	76.6	79.7	76.6
72.5°	28.1	28.1	29.7	34.4	39.1	42.2	46.9	50.0	54.7	62.5	61.0
75°	12.5	12.5	15.6	20.3	25.0	29.7	34.4	39.1	42.2	46.9	48.5
77.5°	3.1	4.7	7.8	14.1	18.8	25.0	31.3	36.0	39.1	39.1	37.5
80°	1.6	1.6	6.3	10.9	20.3	26.6	34.4	37.5	42.2	39.1	34.4
82.5°	1.6	1.6	6.3	10.9	18.8	26.6	36.0	40.6	43.8	39.1	32.8
85°	0.0	1.6	4.7	9.4	15.6	18.8	15.6	10.9	6.3	6.3	4.7
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)