

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: P528325

Luminaire Tested: **GLAN-SA3B-830-U-5MQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P528325
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-3)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA3B-830-U-5MQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 80 CRI, 3000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8101 lumens
Efficiency: N/A
Efficacy: 67.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G0

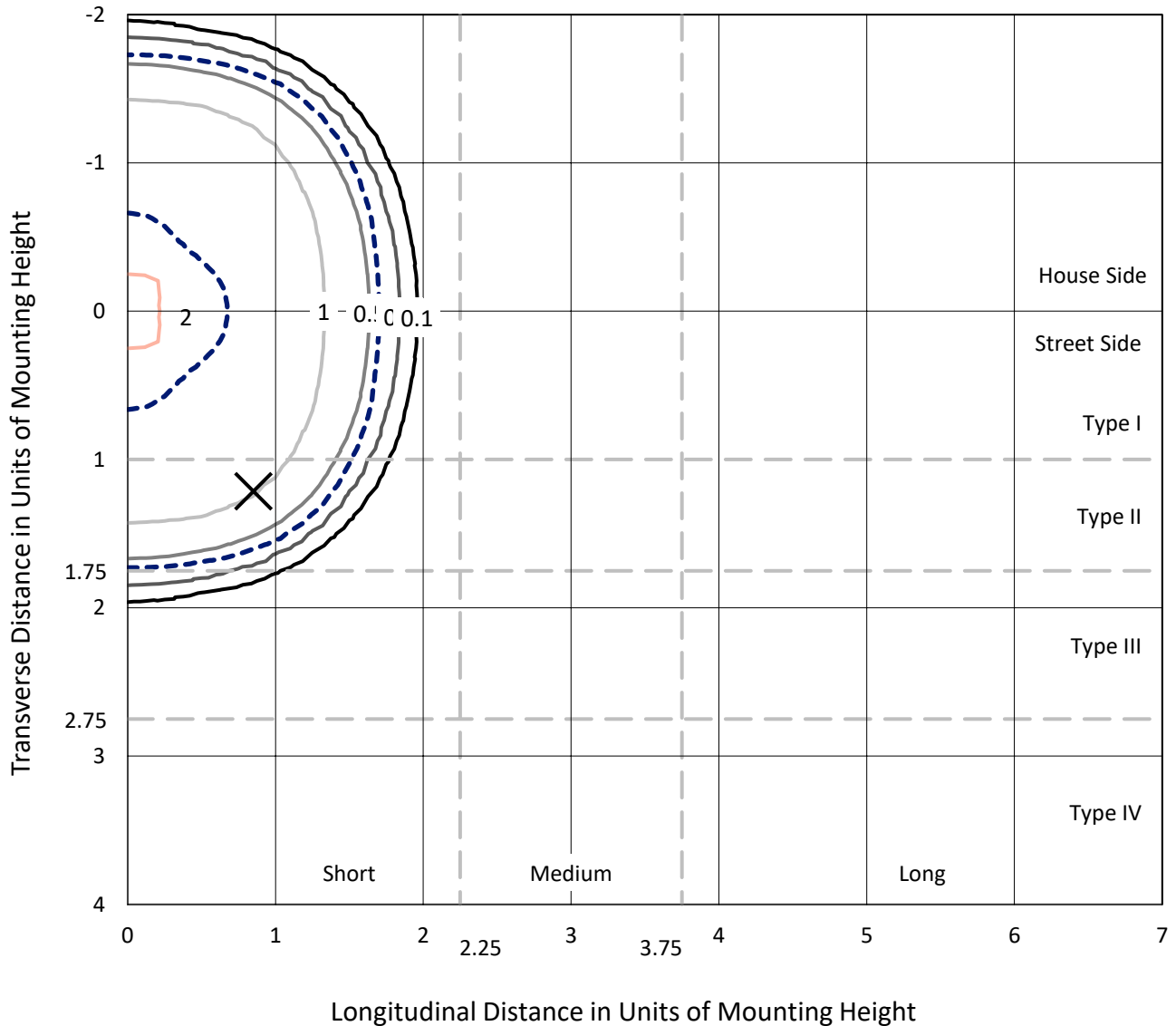
Input Watts (W): 121
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

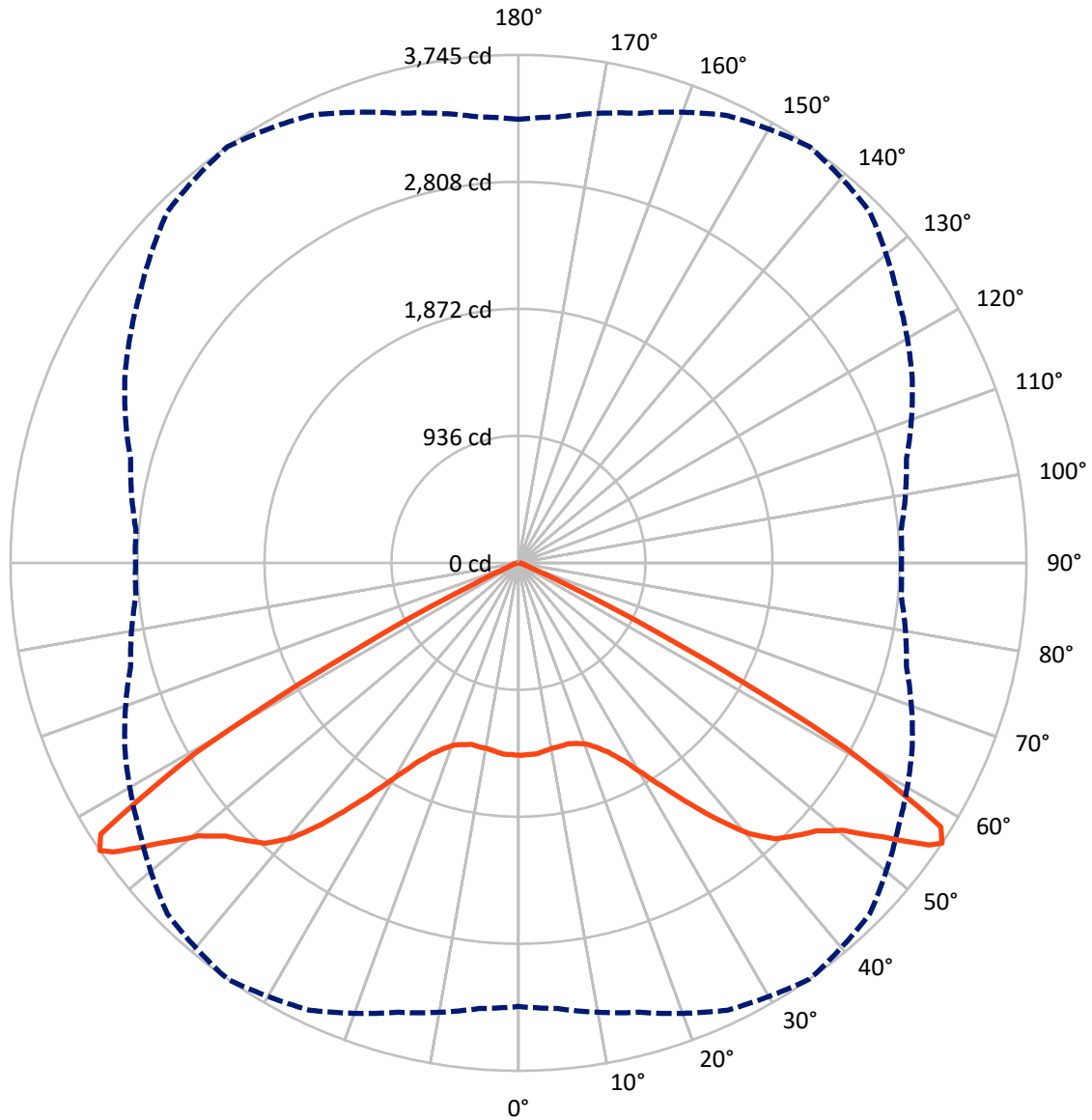
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.3 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 56-Deg Vertical

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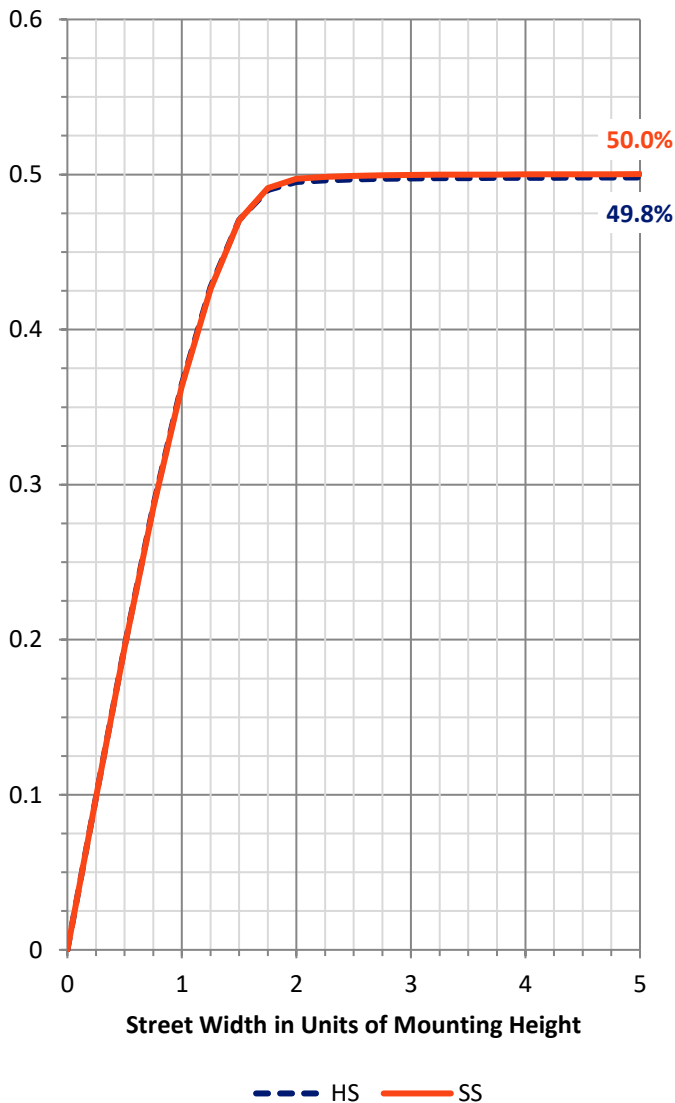
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4050.5	0.0	4050.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4050.5	0.0	4050.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	8101.0	0.0	8101.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	133.4	1.6
10°-20°	389.5	4.8
20°-30°	705.3	8.7
30°-40°	1307.9	16.1
40°-50°	2146.8	26.5
50°-60°	2765.7	34.1
60°-70°	609.5	7.5
70°-80°	35.4	0.4
80°-90°	7.4	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°	8101.0	100.0
0°-180°	8101.0	100.0

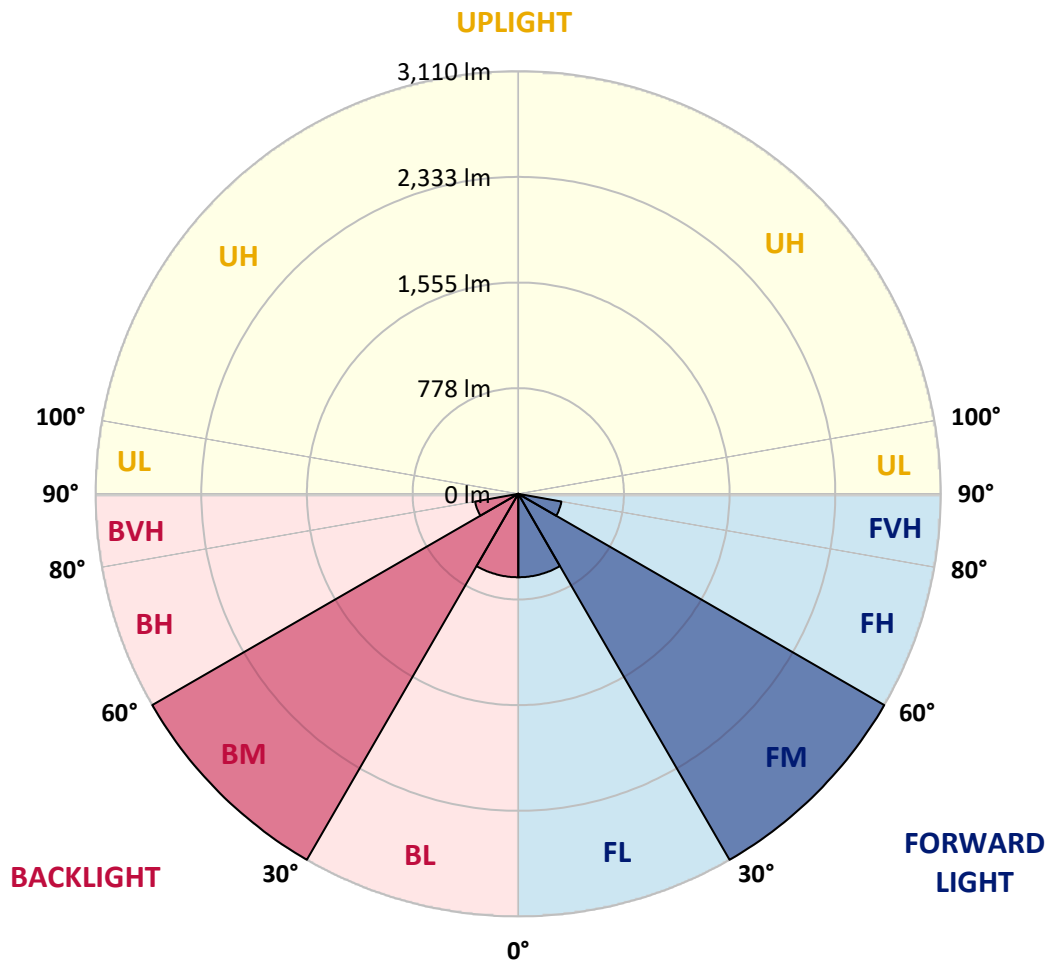


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	614.1	7.6			
FM (30°-60°)	3110.2	38.4			
FH (60°-80°)	322.4	4.0			G0/660
FVH (80°-90°)	3.7	0.0			G0/10
BL (0°-30°)	614.1	7.6	B2/1000		
BM (30°-60°)	3110.2	38.4	B3/5000		
BH (60°-80°)	322.4	4.0	B1/500		G0/660
BVH (80°-90°)	3.7	0.0			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°	1419.5	1419.5	1419.5	1419.5	1419.5	1419.5	1419.5	1419.5	1419.5	1419.5	1419.5
2.5°	1422.4	1422.4	1423.9	1425.3	1415.1	1410.7	1412.1	1409.2	1407.7	1412.1	1412.1
5°	1418.0	1418.0	1413.6	1415.1	1415.1	1401.9	1401.9	1404.8	1404.8	1396.0	1393.0
7.5°	1406.3	1403.3	1397.5	1404.8	1400.4	1400.4	1390.1	1382.8	1379.8	1385.7	1379.8
10°	1381.3	1382.8	1388.6	1391.6	1388.6	1397.5	1379.8	1369.6	1359.3	1354.9	1354.9
12.5°	1369.6	1378.4	1369.6	1376.9	1387.2	1379.8	1369.6	1362.2	1347.5	1341.7	1341.7
15°	1368.1	1374.0	1376.9	1387.2	1382.8	1385.7	1365.2	1356.3	1334.3	1324.1	1319.7
17.5°	1366.6	1374.0	1378.4	1397.5	1400.4	1401.9	1385.7	1359.3	1340.2	1329.9	1319.7
20°	1382.8	1385.7	1394.5	1413.6	1425.3	1445.9	1416.5	1388.6	1347.5	1335.8	1331.4
22.5°	1403.3	1418.0	1426.8	1447.4	1478.2	1495.8	1457.6	1422.4	1379.8	1365.2	1347.5
25°	1469.4	1466.4	1481.1	1523.7	1548.6	1561.9	1531.0	1479.7	1423.9	1406.3	1409.2
27.5°	1551.6	1554.5	1567.7	1614.7	1651.4	1672.0	1635.3	1567.7	1513.4	1484.1	1481.1
30°	1658.7	1655.8	1670.5	1733.6	1799.7	1830.5	1765.9	1686.6	1633.8	1595.6	1604.4
32.5°	1771.8	1773.2	1814.3	1871.6	1978.7	2038.9	1934.7	1837.8	1758.6	1732.1	1718.9
35°	1939.1	1946.4	1978.7	2066.8	2185.7	2263.5	2149.0	2033.1	1942.0	1893.6	1899.5
37.5°	2146.1	2138.7	2193.1	2288.5	2413.2	2470.5	2373.6	2241.5	2149.0	2116.7	2137.3
40°	2366.3	2373.6	2401.5	2488.1	2627.6	2665.7	2521.9	2449.9	2369.2	2353.1	2378.0
42.5°	2586.5	2582.1	2602.6	2680.4	2781.7	2755.3	2670.1	2627.6	2570.3	2538.0	2571.8
45°	2747.9	2740.6	2778.8	2831.6	2868.3	2818.4	2780.2	2765.5	2736.2	2701.0	2731.8
47.5°	2905.0	2899.1	2935.8	2950.5	2953.4	2887.4	2894.7	2921.1	2847.7	2774.4	2809.6
50°	3038.6	3028.3	3073.8	3106.1	3098.8	2993.1	3019.5	2993.1	2878.6	2792.0	2778.8
52.5°	3261.7	3266.1	3314.5	3373.3	3355.6	3267.6	3229.4	3109.0	2962.2	2884.4	2838.9
55°	3402.6	3380.6	3464.3	3650.7	3671.2	3580.2	3411.4	3233.8	3013.6	2918.2	2906.5
56°	3270.5	3298.4	3430.5	3639.0	3744.6	3661.0	3415.8	3203.0	2960.8	2831.6	2822.8
57.5°	2934.4	2919.7	3098.8	3383.5	3671.2	3636.0	3295.5	2982.8	2701.0	2555.6	2538.0
60°	1826.1	1868.7	2025.7	2378.0	2762.6	2780.2	2442.6	2174.0	1845.2	1716.0	1746.8
62.5°	714.9	678.2	776.5	1039.3	1303.5	1362.2	1234.5	1026.1	842.6	714.9	706.1
65°	165.9	161.5	182.0	251.0	350.8	406.6	386.1	277.4	204.0	193.8	179.1
67.5°	93.9	93.9	89.5	89.5	98.4	104.2	99.8	98.4	102.8	107.2	105.7
70°	66.1	64.6	61.7	63.1	60.2	60.2	64.6	71.9	77.8	77.8	79.3
72.5°	39.6	39.6	39.6	44.0	44.0	44.0	48.4	54.3	55.8	54.3	52.8
75°	17.6	17.6	20.6	25.0	27.9	29.4	33.8	36.7	39.6	36.7	33.8
77.5°	4.4	4.4	7.3	10.3	13.2	16.1	22.0	26.4	27.9	26.4	22.0
80°	1.5	1.5	2.9	7.3	13.2	16.1	22.0	23.5	25.0	22.0	17.6
82.5°	1.5	1.5	2.9	7.3	10.3	13.2	17.6	20.6	22.0	19.1	17.6
85°	0.0	1.5	2.9	5.9	8.8	11.7	11.7	8.8	7.3	4.4	5.9
87.5°	0.0	0.0	1.5	1.5	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)