

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: P527397

Luminaire Tested: **GLAN-SA2B-830-U-RW-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P527397
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-SA2B-830-U-RW-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 80 CRI, 3000K, 800mA 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: 5877 lumens
Efficiency: N/A
Efficacy: 71.7 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G0

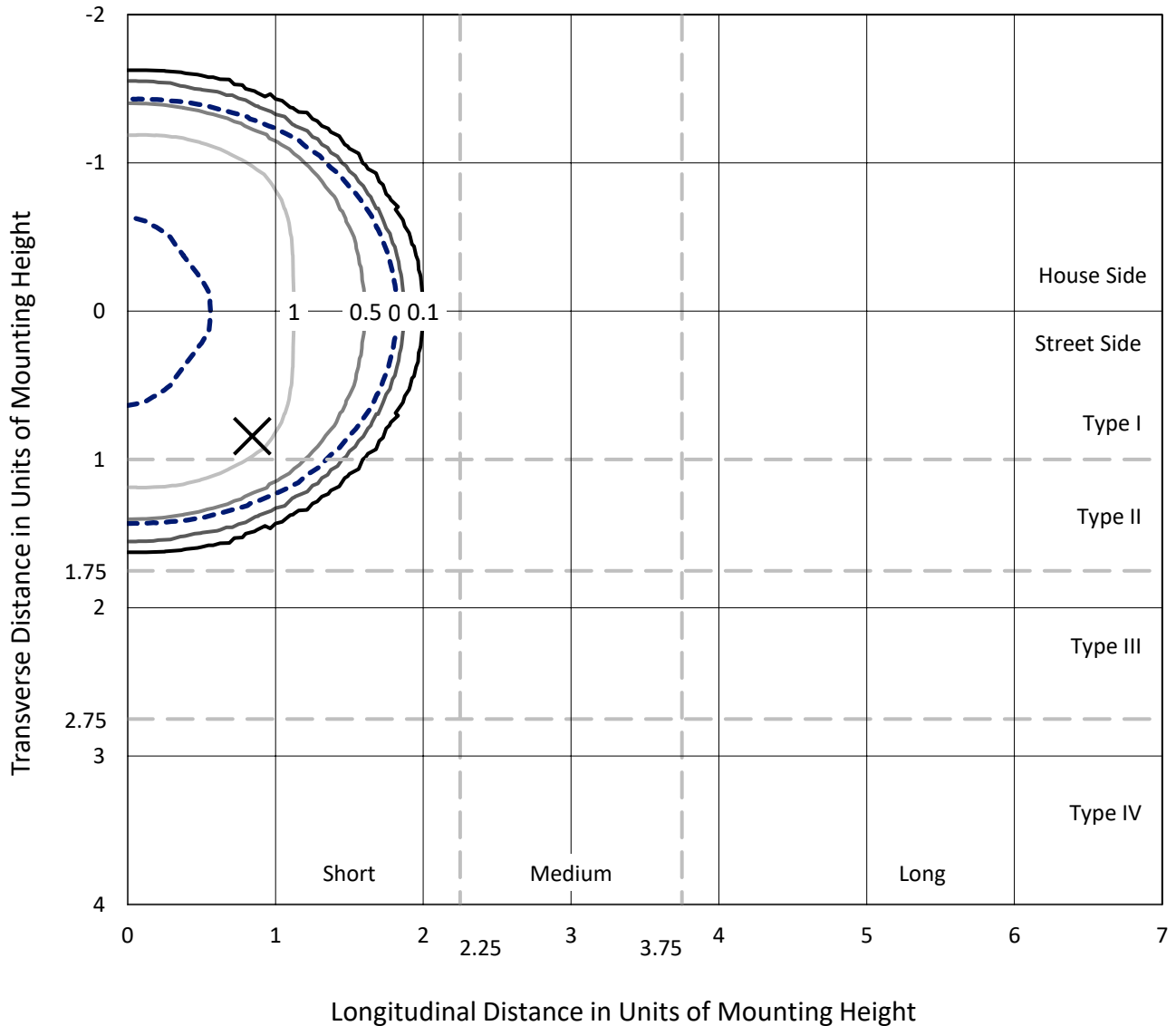
Input Watts (W): 82
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

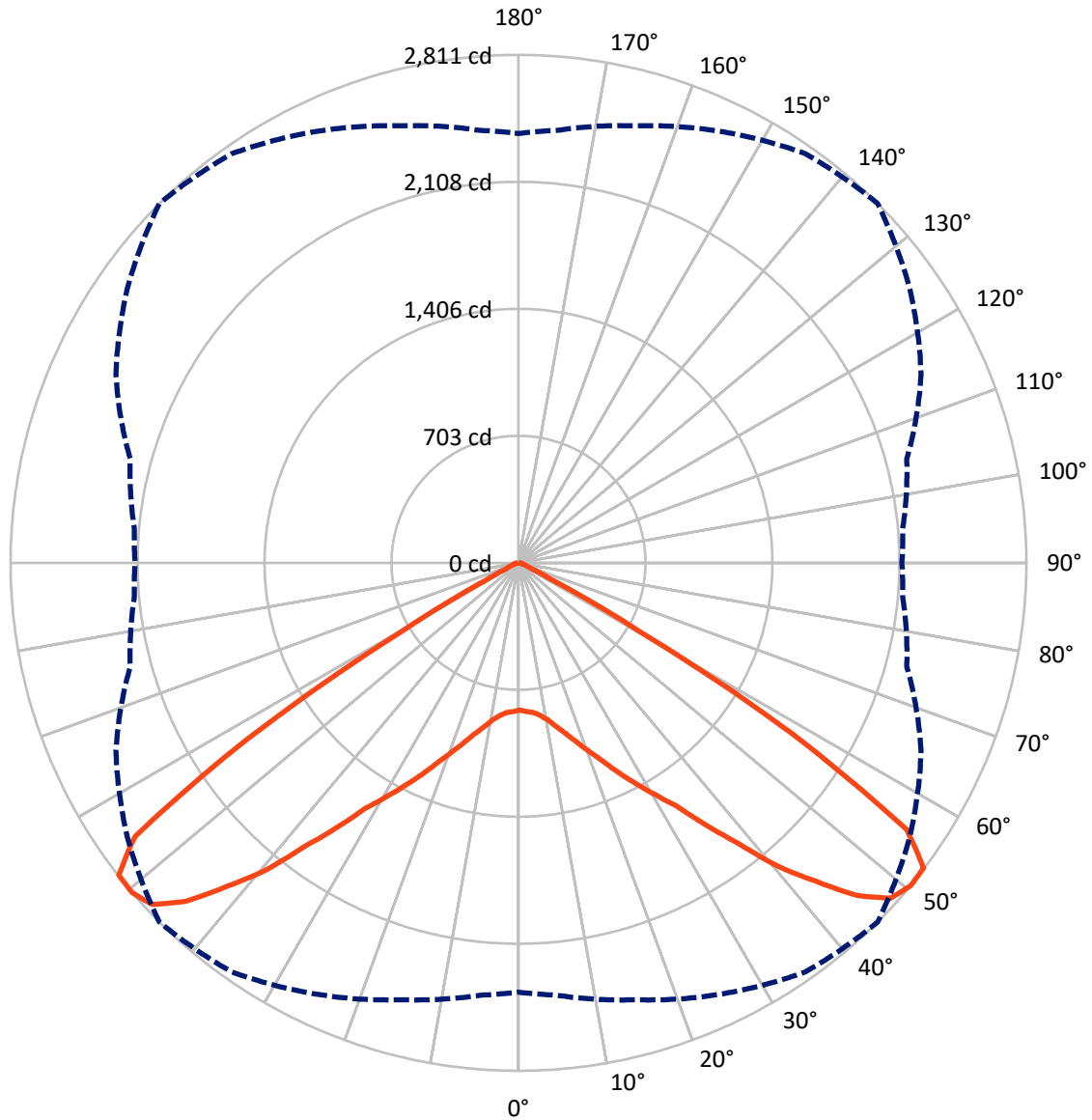
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.6 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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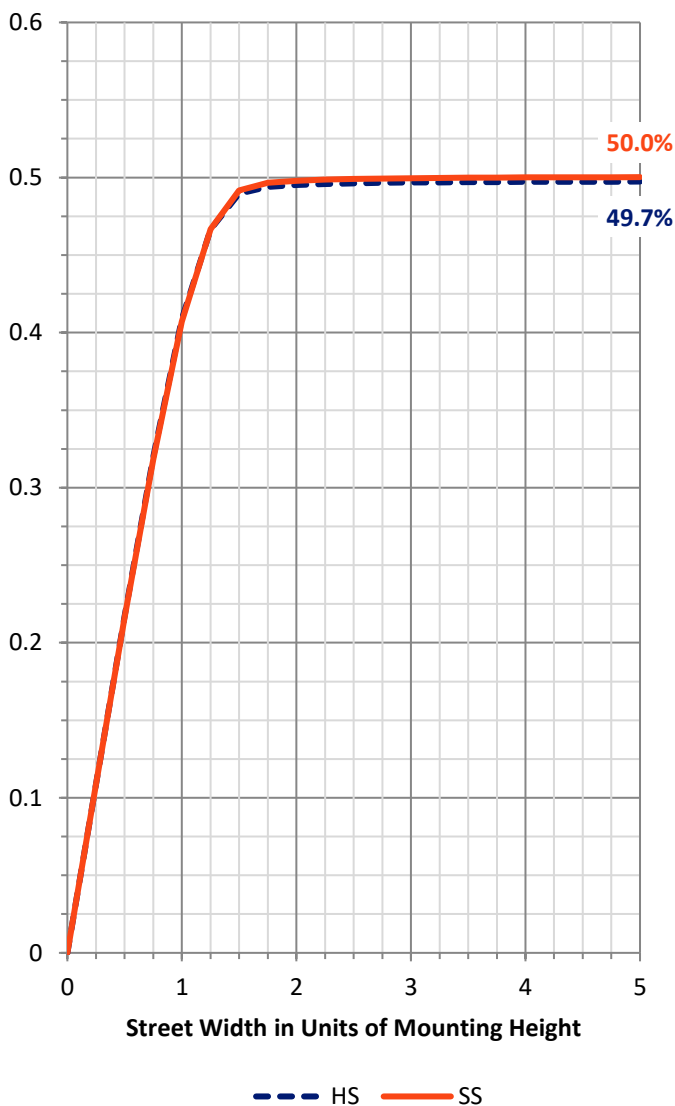
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2938.5	0.0	2938.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2938.5	0.0	2938.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	5877.0	0.0	5877.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	81.1	1.4
10°-20°	279.4	4.8
20°-30°	570.6	9.7
30°-40°	1088.1	18.5
40°-50°	1833.6	31.2
50°-60°	1748.7	29.8
60°-70°	244.1	4.2
70°-80°	23.4	0.4
80°-90°	8.1	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°	5877.0	100.0
0°-180°	5877.0	100.0

Coefficient of Utilization

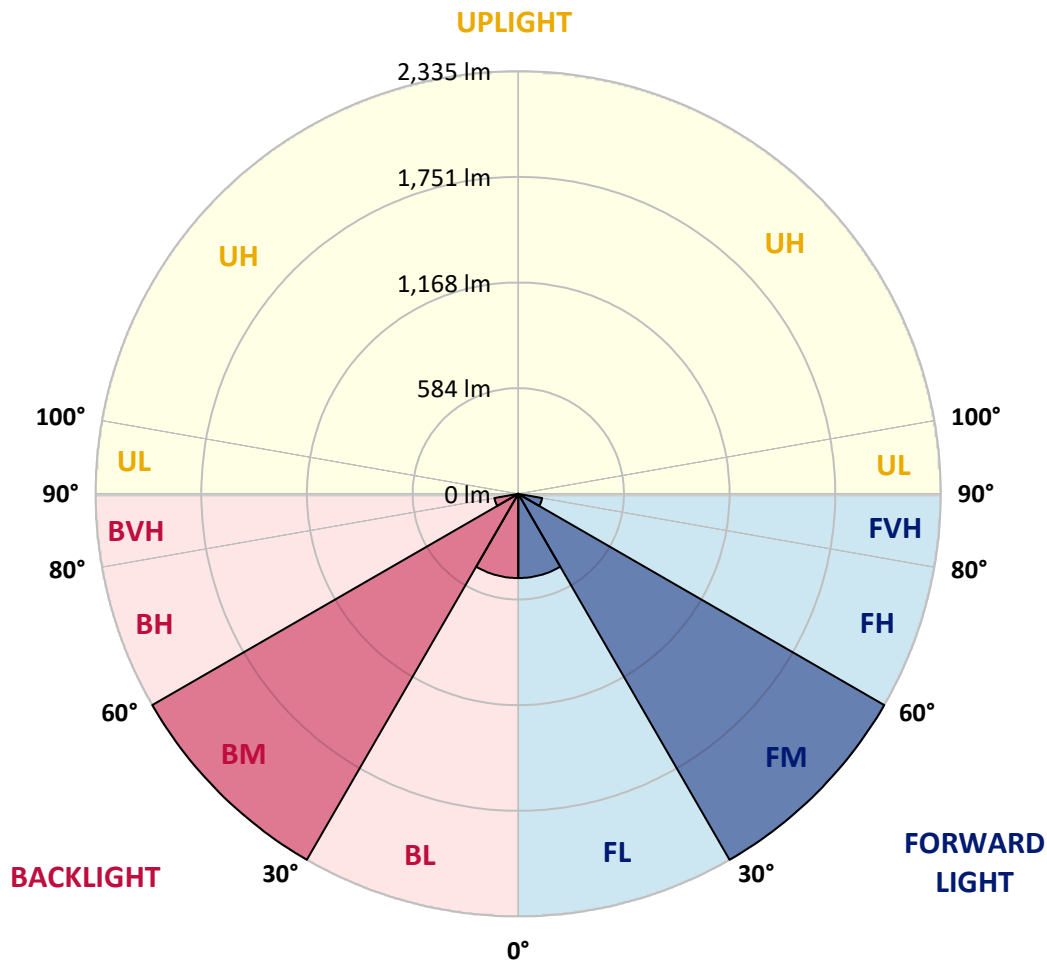


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	465.5	7.9			
FM (30°-60°)	2335.2	39.7			
FH (60°-80°)	133.7	2.3			G0/660
FVH (80°-90°)	4.0	0.1			G0/10
BL (0°-30°)	465.5	7.9	B1/500		
BM (30°-60°)	2335.2	39.7	B2/2500		
BH (60°-80°)	133.7	2.3	B1/500		G0/660
BVH (80°-90°)	4.0	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G0
 Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	814.8	814.8	814.8	814.8	814.8	814.8	814.8	814.8	814.8	814.8	814.8
2.5°	811.8	811.8	810.8	818.7	814.8	823.7	822.7	825.7	828.6	827.6	835.5
5°	804.9	803.9	803.9	812.8	821.7	831.6	840.5	846.4	856.3	856.3	866.2
7.5°	811.8	806.9	813.8	817.7	834.6	851.4	866.2	878.1	900.8	908.7	905.8
10°	813.8	819.7	824.7	836.5	857.3	883.0	895.9	925.5	951.2	969.0	973.0
12.5°	826.6	835.5	849.4	878.1	896.9	930.5	948.3	976.9	1012.5	1032.3	1046.2
15°	851.4	854.3	872.1	908.7	949.3	979.9	1007.6	1028.4	1063.0	1085.7	1086.7
17.5°	883.0	895.9	920.6	955.2	997.7	1043.2	1065.0	1087.7	1100.5	1131.2	1138.1
20°	946.3	948.3	972.0	1017.5	1070.9	1112.4	1128.2	1140.1	1135.2	1166.8	1172.7
22.5°	1005.6	1007.6	1037.3	1098.6	1155.9	1191.5	1198.4	1191.5	1176.7	1199.4	1201.4
25°	1065.9	1083.7	1105.5	1166.8	1238.0	1285.5	1286.4	1267.7	1237.0	1241.0	1250.8
27.5°	1159.9	1172.7	1195.5	1251.8	1330.0	1383.3	1374.4	1351.7	1312.2	1315.1	1312.2
30°	1269.6	1281.5	1300.3	1372.5	1429.8	1488.2	1501.0	1479.3	1419.9	1407.1	1421.9
32.5°	1402.1	1418.9	1453.6	1519.8	1568.3	1603.9	1612.8	1604.8	1549.5	1544.5	1554.4
35°	1563.3	1586.1	1617.7	1676.0	1715.6	1779.9	1779.9	1753.2	1702.7	1708.7	1707.7
37.5°	1733.4	1767.0	1816.4	1875.8	1929.2	1963.8	1952.9	1930.2	1879.7	1866.9	1879.7
40°	1947.0	1963.8	2026.1	2103.2	2168.5	2208.0	2161.5	2112.1	1991.5	2010.3	2044.9
42.5°	2141.8	2168.5	2215.9	2301.0	2375.1	2407.8	2352.4	2254.5	2109.1	2094.3	2120.0
45°	2307.9	2336.6	2398.9	2520.5	2598.6	2627.3	2504.7	2346.5	2180.3	2142.8	2153.6
47.5°	2418.6	2433.5	2520.5	2636.2	2707.4	2772.6	2596.6	2409.7	2214.0	2142.8	2138.8
50°	2376.1	2401.8	2503.7	2635.2	2764.7	2811.2	2643.1	2458.2	2224.8	2133.9	2122.0
52.5°	2110.1	2154.6	2268.3	2445.3	2641.1	2807.2	2707.4	2442.4	2220.9	2142.8	2160.6
55°	1468.4	1469.4	1607.8	1868.9	2214.9	2606.5	2613.4	2460.2	2246.6	2198.1	2199.1
57.5°	590.3	620.0	725.8	987.8	1307.2	1789.8	2127.9	2282.2	2249.5	2237.7	2268.3
60°	149.3	150.3	182.9	278.8	459.8	767.3	1114.4	1507.9	1736.4	1814.5	1825.3
62.5°	76.1	77.1	85.0	98.9	125.6	205.7	365.9	580.4	825.7	950.2	982.9
65°	62.3	62.3	67.2	74.2	75.1	79.1	94.9	135.5	196.8	223.5	226.4
67.5°	47.5	47.5	51.4	55.4	57.4	56.4	54.4	56.4	68.2	65.3	63.3
70°	29.7	30.7	32.6	36.6	38.6	39.6	40.5	42.5	48.5	50.4	48.5
72.5°	17.8	17.8	18.8	21.8	24.7	26.7	29.7	31.6	34.6	39.6	38.6
75°	7.9	7.9	9.9	12.9	15.8	18.8	21.8	24.7	26.7	29.7	30.7
77.5°	2.0	3.0	4.9	8.9	11.9	15.8	19.8	22.7	24.7	24.7	23.7
80°	1.0	1.0	4.0	6.9	12.9	16.8	21.8	23.7	26.7	24.7	21.8
82.5°	1.0	1.0	4.0	6.9	11.9	16.8	22.7	25.7	27.7	24.7	20.8
85°	0.0	1.0	3.0	5.9	9.9	11.9	9.9	6.9	4.0	4.0	3.0
87.5°	0.0	0.0	1.0	1.0	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)