

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: P529263

Luminaire Tested: **GLAN-SA4B-830-U-5NQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P529263
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-5)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA4B-830-U-5NQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(4) 80 CRI, 3000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12288 lumens
Efficiency: N/A
Efficacy: 74.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G0

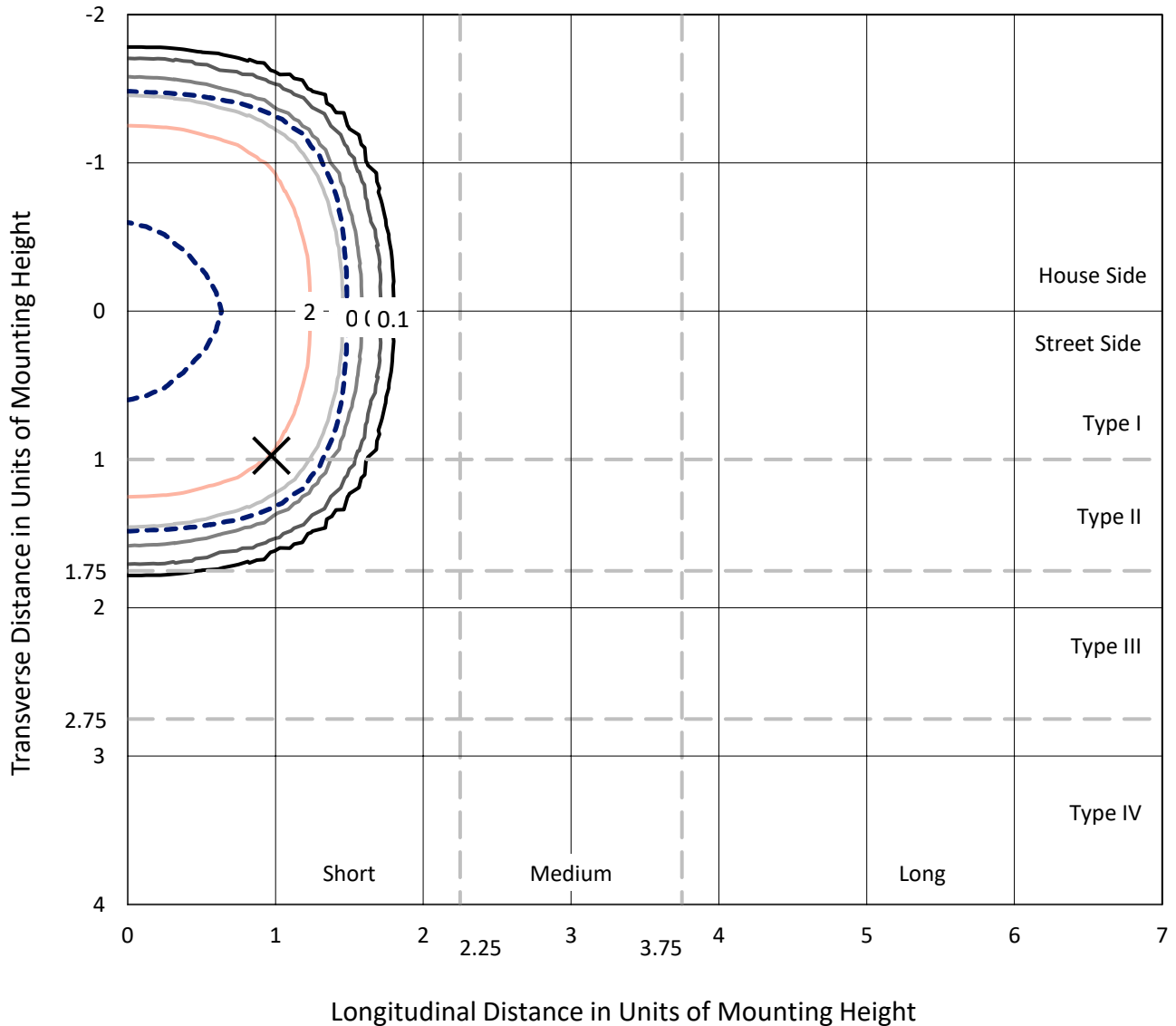
Input Watts (W): 164
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

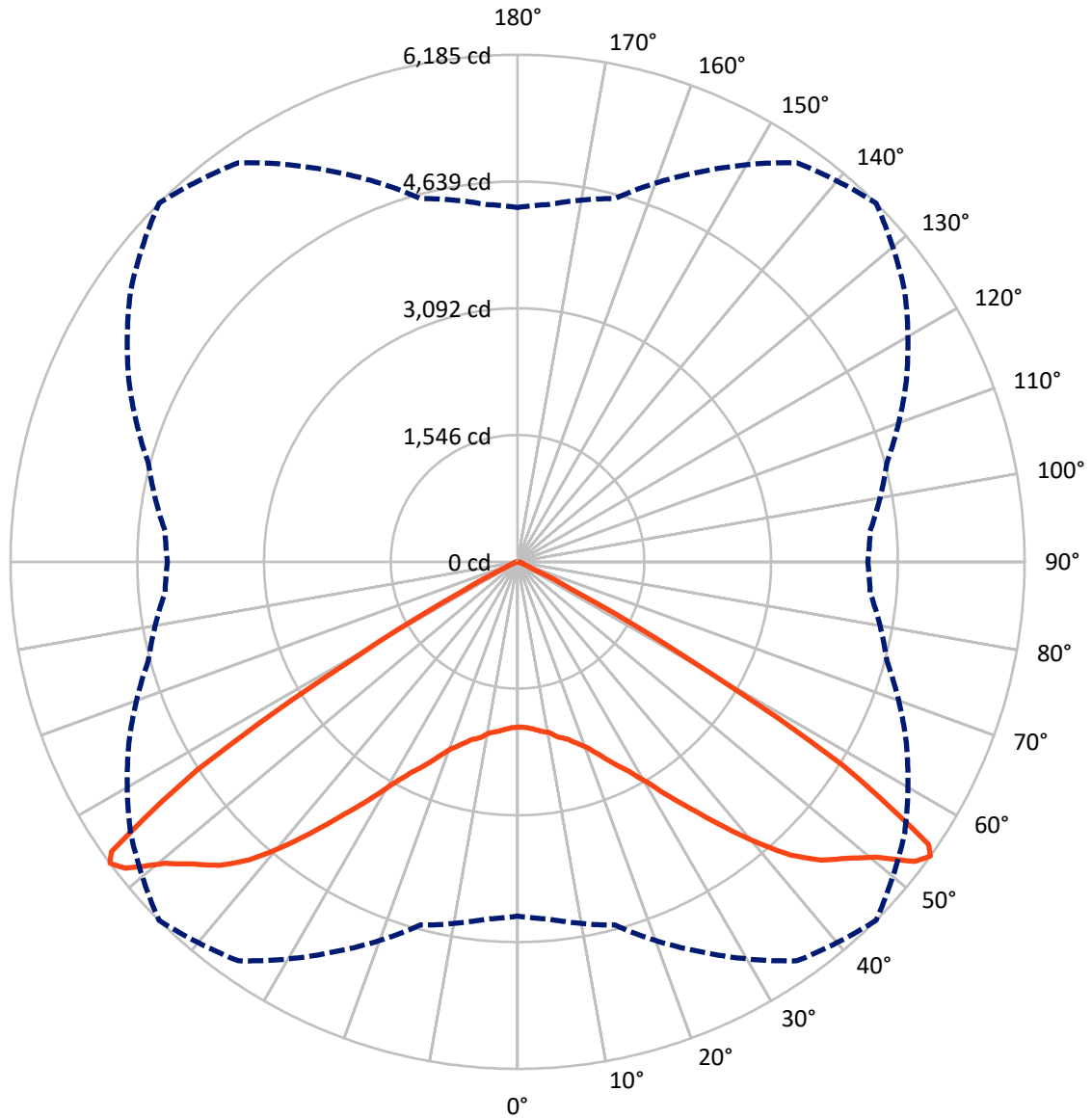
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.3 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 54-Deg Vertical

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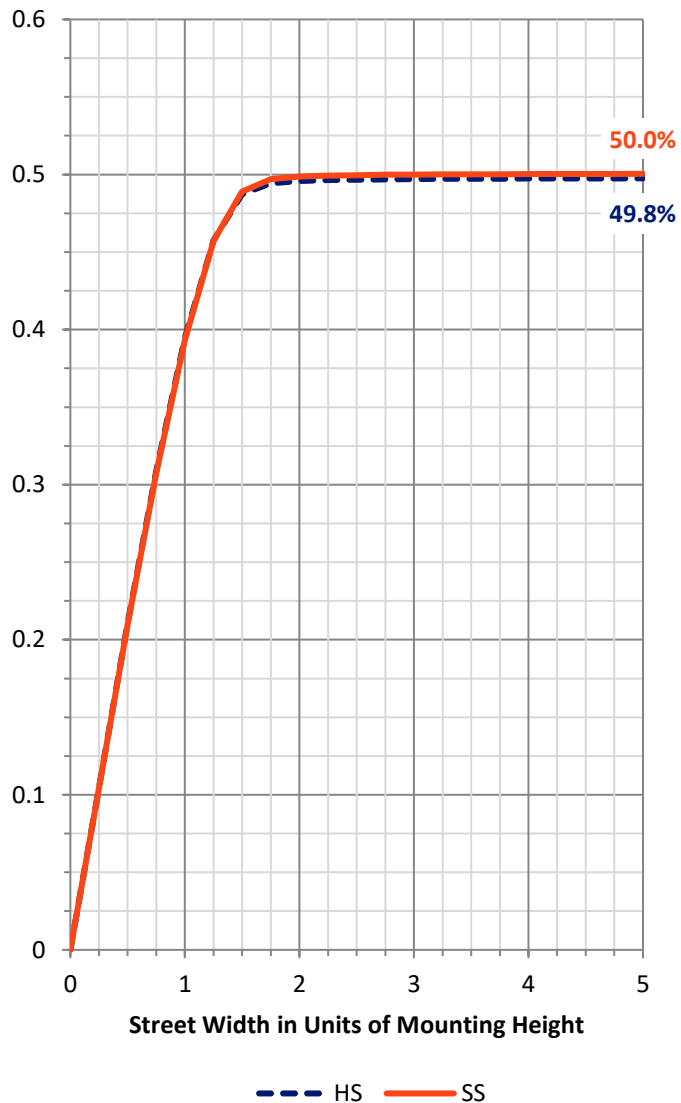
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6144.0	0.0	6144.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6144.0	0.0	6144.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	12288.0	0.0	12288.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	197.2	1.6
10°-20°	638.6	5.2
20°-30°	1251.7	10.2
30°-40°	2250.8	18.3
40°-50°	3852.9	31.4
50°-60°	3728.0	30.3
60°-70°	319.1	2.6
70°-80°	37.8	0.3
80°-90°	11.8	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°	12288.0	100.0
0°-180°	12288.0	100.0

Coefficient of Utilization

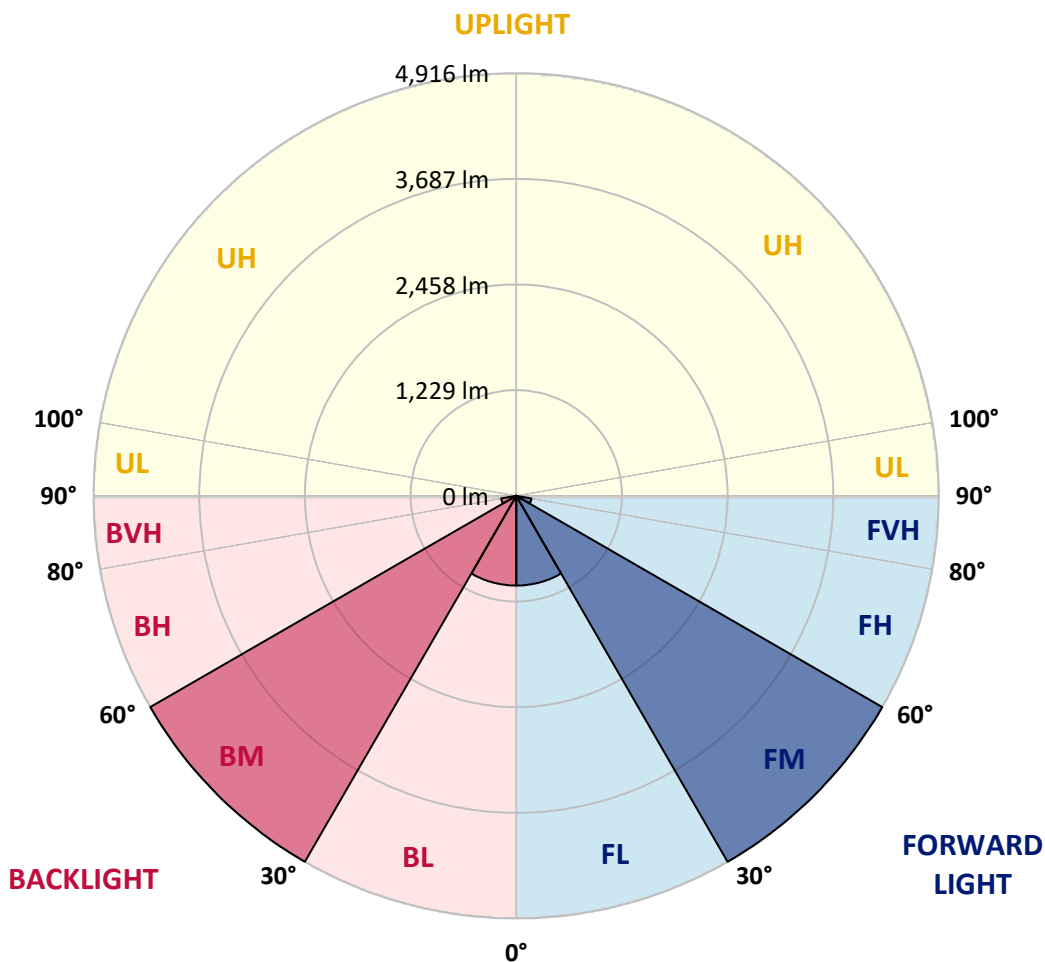


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1043.7	8.5			
FM (30°-60°)	4915.8	40.0			
FH (60°-80°)	178.5	1.5			G0/660
FVH (80°-90°)	5.9	0.0			G0/10
BL (0°-30°)	1043.7	8.5	B3/2500		
BM (30°-60°)	4915.8	40.0	B3/5000		
BH (60°-80°)	178.5	1.5	B1/500		G0/660
BVH (80°-90°)	5.9	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°	2014.8	2014.8	2014.8	2014.8	2014.8	2014.8	2014.8	2014.8	2014.8	2014.8	2014.8
2.5°	2024.6	2036.3	2028.5	2034.3	2034.3	2024.6	2030.4	2007.1	2022.6	2011.0	2012.9
5°	2055.7	2053.8	2053.8	2055.7	2047.9	2051.8	2044.0	2036.3	2030.4	2022.6	2046.0
7.5°	2094.7	2094.7	2081.0	2084.9	2081.0	2086.9	2071.3	2055.7	2049.9	2044.0	2040.2
10°	2131.7	2127.8	2121.9	2139.4	2125.8	2118.0	2110.2	2100.5	2079.1	2071.3	2063.5
12.5°	2186.2	2184.2	2176.4	2193.9	2186.2	2193.9	2164.7	2139.4	2135.5	2110.2	2123.9
15°	2250.4	2267.9	2254.3	2254.3	2250.4	2240.7	2229.0	2217.3	2182.3	2172.5	2174.5
17.5°	2334.1	2328.3	2330.2	2330.2	2349.7	2324.4	2301.0	2271.8	2254.3	2248.5	2229.0
20°	2413.9	2421.7	2419.8	2433.4	2445.1	2417.8	2392.5	2388.6	2340.0	2347.7	2320.5
22.5°	2554.1	2548.2	2558.0	2567.7	2559.9	2556.0	2532.7	2503.5	2460.6	2441.2	2437.3
25°	2702.0	2692.3	2674.8	2698.1	2709.8	2727.3	2682.6	2667.0	2600.8	2571.6	2573.6
27.5°	2828.6	2842.2	2861.7	2871.4	2900.6	2894.8	2863.6	2813.0	2762.4	2729.3	2707.9
30°	3001.8	3009.6	3042.7	3056.3	3107.0	3120.6	3071.9	3013.5	2924.0	2881.1	2855.8
32.5°	3161.5	3216.0	3214.0	3282.2	3363.9	3420.4	3332.8	3243.2	3153.7	3103.1	3058.3
35°	3420.4	3410.6	3467.1	3539.1	3671.5	3735.7	3640.4	3537.2	3400.9	3319.1	3284.1
37.5°	3661.8	3665.7	3741.6	3856.4	4008.3	4107.6	4023.9	3854.5	3714.3	3609.2	3560.5
40°	4012.2	4020.0	4097.8	4228.3	4399.6	4506.6	4409.3	4238.0	4051.1	3969.4	3969.4
42.5°	4422.9	4456.0	4506.6	4619.6	4773.3	4892.1	4804.5	4670.2	4481.3	4376.2	4391.8
45°	4845.4	4860.9	4894.0	5061.5	5133.5	5191.9	5110.1	5047.8	4921.3	4792.8	4771.4
47.5°	5240.6	5246.4	5343.7	5396.3	5452.7	5404.1	5456.6	5374.9	5232.8	5108.2	5082.9
50°	5415.8	5406.0	5544.2	5703.9	5746.7	5661.0	5616.3	5561.8	5345.7	5195.8	5129.6
52.5°	4905.7	4962.2	5219.1	5663.0	5997.8	6069.9	5809.0	5557.9	5154.9	4862.9	4818.1
54°	4321.7	4374.3	4586.5	5244.4	5941.4	6184.7	5764.2	5230.8	4662.4	4315.9	4271.1
55°	3743.5	3685.1	4070.6	4742.2	5676.6	6083.5	5587.1	4808.4	4158.2	3840.9	3778.6
57.5°	2026.5	2036.3	2361.4	2996.0	3988.8	4664.3	4119.2	3253.0	2456.8	2100.5	2069.4
60°	642.4	658.0	800.1	1210.9	1905.8	2275.7	1950.6	1306.2	903.3	724.2	695.0
62.5°	200.5	208.3	227.8	338.7	521.7	745.6	584.0	350.4	260.9	239.4	243.3
65°	122.6	122.6	124.6	132.4	155.7	181.0	175.2	153.8	148.0	144.1	142.1
67.5°	79.8	77.9	81.8	87.6	91.5	93.4	99.3	105.1	103.2	99.3	99.3
70°	48.7	46.7	50.6	58.4	60.3	64.2	70.1	77.9	75.9	72.0	74.0
72.5°	27.3	27.3	29.2	35.0	40.9	44.8	50.6	56.5	58.4	56.5	56.5
75°	9.7	11.7	15.6	21.4	25.3	31.1	37.0	42.8	48.7	44.8	42.8
77.5°	3.9	3.9	7.8	13.6	19.5	25.3	35.0	40.9	44.8	40.9	37.0
80°	1.9	1.9	5.8	11.7	17.5	23.4	29.2	35.0	37.0	33.1	29.2
82.5°	1.9	1.9	5.8	11.7	17.5	21.4	31.1	35.0	38.9	35.0	29.2
85°	0.0	1.9	5.8	11.7	15.6	17.5	17.5	11.7	9.7	5.8	5.8
87.5°	0.0	0.0	1.9	0.0	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)