

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: P648863

Luminaire Tested: **GLAN-SA4C-835-U-RW**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P648863
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-4)
Test Lab: INNOVATION CENTER
Issue Date: 1/4/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA4C-835-U-RW
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(4) 80 CRI, 3500K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 22467.4 lumens
Efficiency: N/A
Efficacy: 105.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B4 - U0 - G4

Input Watts (W): 213
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

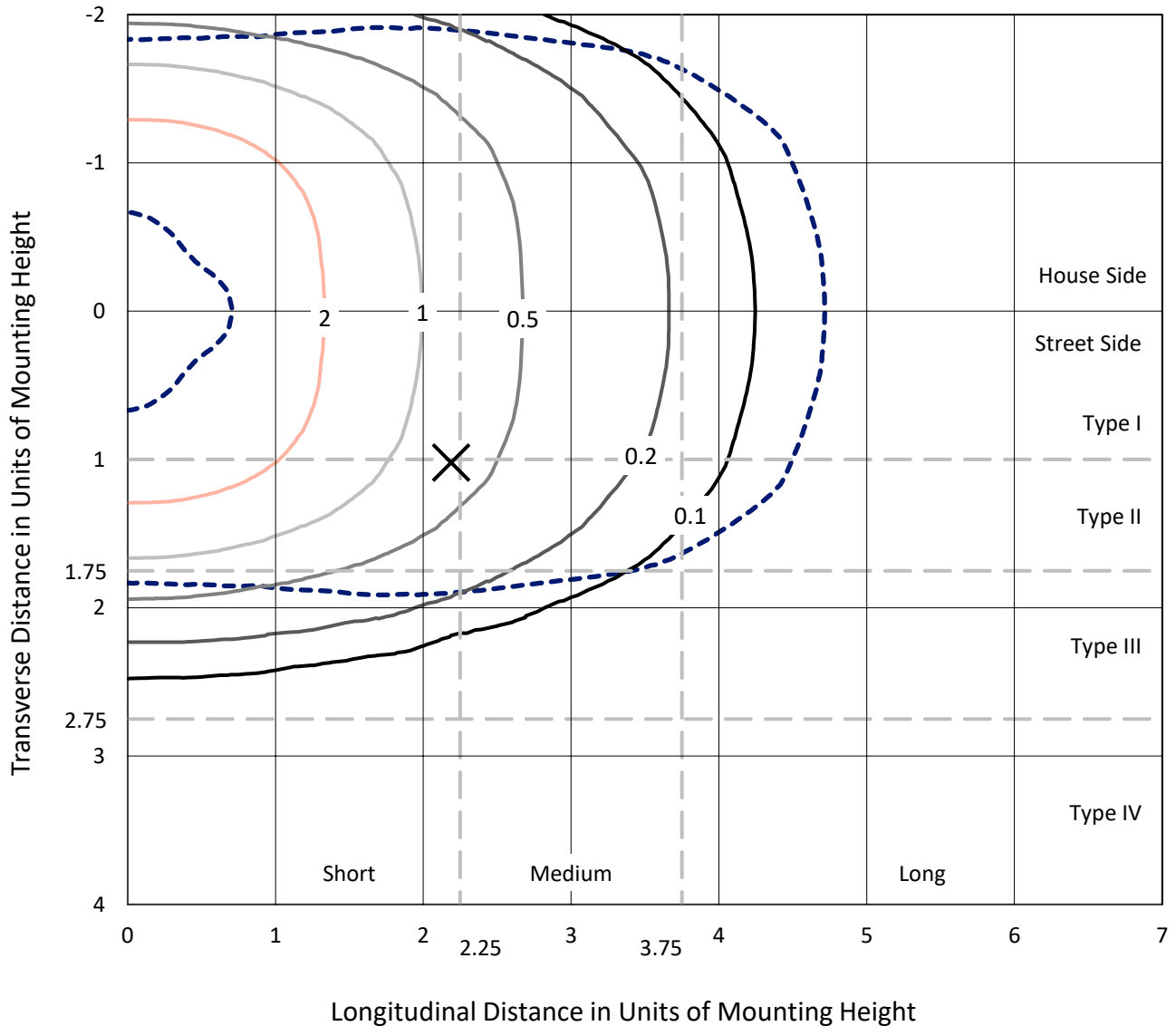




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Iso-Footcandle Lines of Horizontal Illumination

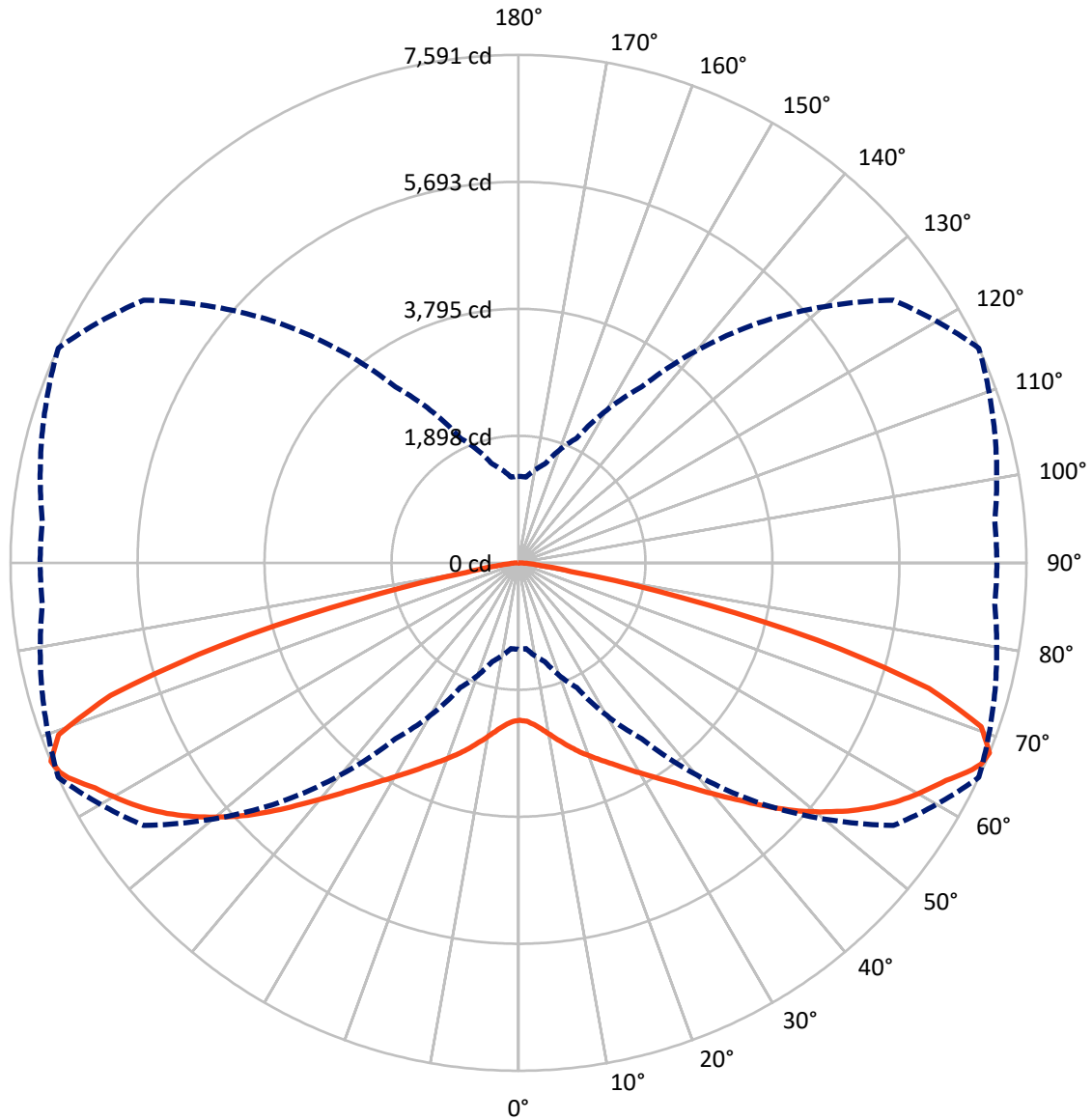
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.3 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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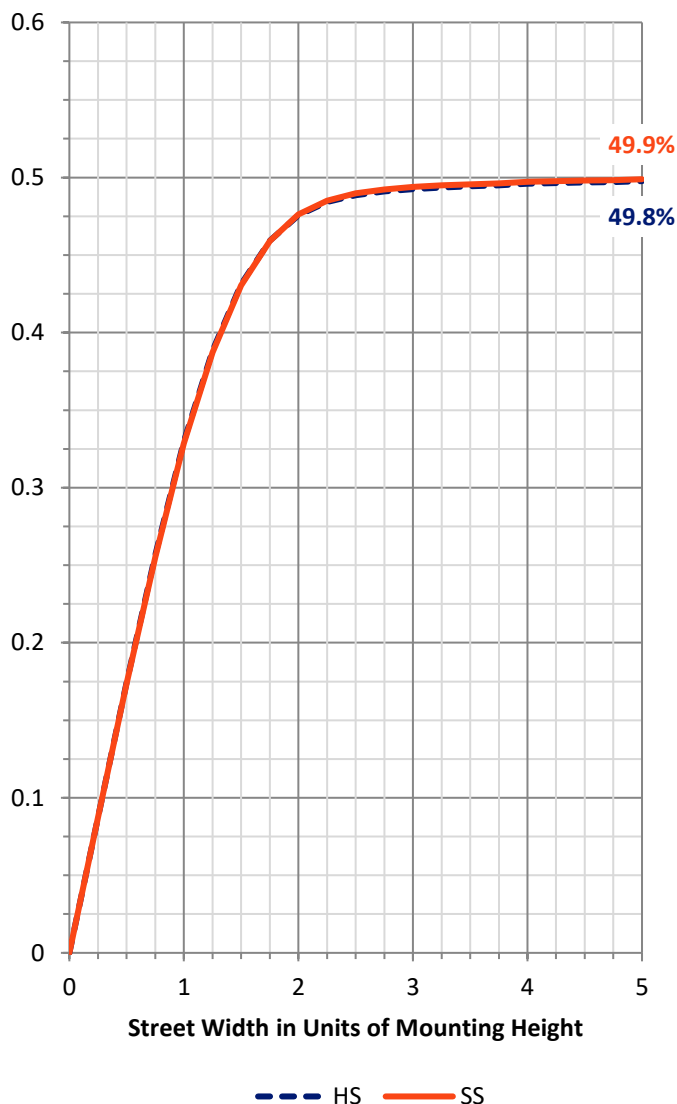
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	11233.7	0.0	11233.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	11233.7	0.0	11233.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	22467.4	0.0	22467.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	232.1	1.0
10°-20°	776.8	3.5
20°-30°	1519.5	6.8
30°-40°	2584.4	11.5
40°-50°	4090.4	18.2
50°-60°	5423.8	24.1
60°-70°	5116.3	22.8
70°-80°	2529.2	11.3
80°-90°	194.9	0.9
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°	22467.4	100.0
0°-180°	22467.4	100.0

Coefficient of Utilization

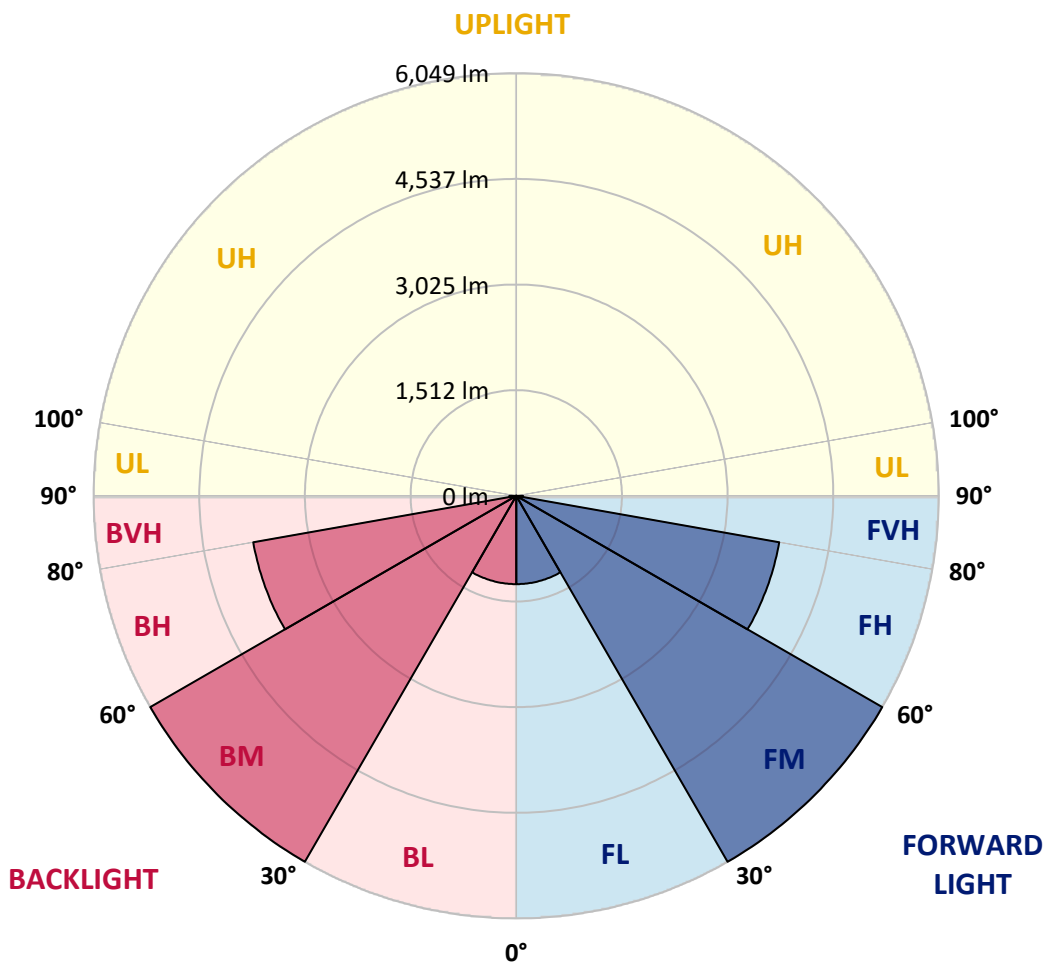


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1264.2	5.6			
FM (30°-60°)	6049.3	26.9			
FH (60°-80°)	3822.8	17.0			G2/5000
FVH (80°-90°)	97.5	0.4			G1/100
BL (0°-30°)	1264.2	5.6	B3/2500		
BM (30°-60°)	6049.3	26.9	B4/8500		
BH (60°-80°)	3822.8	17.0	B4/5000		G4/5000
BVH (80°-90°)	97.5	0.4			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G4
 Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2353.2	2353.2	2353.2	2353.2	2353.2	2353.2	2353.2	2353.2	2353.2	2353.2	2353.2
2.5°	2341.2	2343.6	2346.0	2349.6	2354.5	2361.7	2366.5	2370.1	2379.8	2380.9	2379.8
5°	2332.8	2335.2	2341.2	2352.1	2367.7	2389.4	2406.2	2426.7	2442.3	2453.1	2450.8
7.5°	2331.6	2336.4	2346.0	2368.9	2399.0	2436.3	2474.8	2509.7	2539.8	2563.9	2560.3
10°	2350.9	2356.9	2372.5	2406.2	2453.1	2507.3	2561.5	2613.3	2656.6	2687.9	2698.8
12.5°	2383.4	2388.2	2417.0	2467.6	2535.0	2602.5	2663.8	2727.6	2787.8	2840.8	2840.8
15°	2439.9	2448.4	2484.5	2557.9	2641.0	2719.2	2781.8	2849.2	2914.2	2974.4	2992.5
17.5°	2518.2	2530.2	2584.4	2678.3	2784.2	2856.4	2915.4	2970.8	3027.3	3085.1	3093.6
20°	2625.3	2637.3	2709.6	2822.7	2947.9	3034.6	3074.3	3087.5	3115.2	3170.6	3177.8
22.5°	2771.0	2783.0	2863.7	2991.2	3130.8	3224.8	3241.6	3210.3	3203.1	3246.4	3251.3
25°	2935.9	2946.7	3039.4	3176.6	3321.0	3423.4	3418.6	3341.5	3298.2	3324.7	3331.9
27.5°	3121.2	3136.9	3230.7	3372.8	3529.3	3619.6	3605.1	3493.2	3400.5	3395.7	3398.1
30°	3358.4	3375.2	3464.3	3600.3	3754.4	3837.4	3807.3	3656.9	3513.6	3465.5	3465.5
32.5°	3608.8	3650.9	3741.2	3883.2	4003.6	4063.8	4018.0	3837.4	3647.3	3579.9	3576.3
35°	3935.0	3957.8	4046.9	4185.3	4275.6	4322.6	4234.7	4040.9	3821.8	3742.3	3731.5
37.5°	4254.0	4273.2	4376.7	4509.1	4618.7	4616.3	4497.1	4282.9	4038.5	3949.4	3942.2
40°	4580.2	4600.6	4718.6	4840.1	4949.7	4940.0	4795.6	4556.0	4296.1	4196.2	4215.4
42.5°	4863.0	4885.8	5019.5	5192.9	5291.5	5289.1	5121.8	4852.2	4581.3	4492.2	4509.1
45°	5120.6	5141.1	5296.4	5494.9	5639.4	5657.5	5474.5	5189.2	4911.1	4796.8	4801.6
47.5°	5302.4	5340.8	5503.4	5730.9	5927.1	5990.9	5811.5	5532.3	5212.1	5092.9	5100.1
50°	5440.8	5464.9	5641.8	5900.6	6148.6	6281.0	6136.5	5850.0	5513.0	5386.6	5403.5
52.5°	5457.7	5486.6	5679.1	5977.7	6295.4	6496.5	6425.5	6160.6	5820.0	5690.0	5726.1
55°	5320.4	5337.2	5567.2	5929.5	6353.2	6656.5	6674.6	6449.5	6112.5	6013.8	6037.9
57.5°	4929.2	4972.5	5263.9	5704.4	6273.8	6742.0	6861.2	6711.9	6408.5	6311.1	6349.6
60°	4287.6	4330.9	4623.5	5182.0	5974.1	6702.2	7015.2	6944.2	6677.0	6598.7	6619.2
62.5°	3359.5	3355.9	3718.3	4403.2	5378.2	6507.3	7129.6	7168.1	6941.8	6843.1	6874.4
65°	2177.5	2188.3	2538.6	3276.5	4479.0	6011.3	7154.9	7453.4	7201.8	7052.6	7075.4
66°	1751.4	1783.9	2081.2	2761.3	4020.4	5686.4	7079.0	7537.6	7281.3	7100.7	7111.5
67.5°	1292.8	1286.8	1531.2	2055.9	3210.3	5068.8	6841.9	7590.6	7371.6	7144.0	7148.9
70°	737.9	736.6	823.3	1129.1	1887.4	3569.0	5767.0	7336.6	7554.5	7300.5	7287.3
72.5°	539.3	535.7	547.7	623.5	920.8	1802.0	3978.3	6412.2	7460.7	7275.2	7238.0
75°	452.6	450.2	447.8	457.4	516.4	816.1	2111.3	4612.7	6473.6	6828.7	6790.2
77.5°	369.6	369.6	370.8	368.3	370.8	429.7	875.1	2472.4	3942.2	4400.8	4507.9
80°	288.9	287.7	308.2	299.7	280.5	275.6	387.6	795.7	1308.5	1301.2	1073.7
82.5°	213.1	198.6	234.7	228.7	207.0	175.7	226.3	339.4	436.9	284.1	210.6
85°	134.8	133.6	166.1	151.7	126.4	83.1	108.4	145.6	180.6	109.5	89.1
87.5°	24.0	22.9	52.9	38.5	38.5	24.0	30.1	39.7	59.0	41.0	30.1
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)