

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: P527736

Luminaire Tested: **GLAN-SA2D-735-U-RW-GRSWH**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P527736  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-8)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SA2D-735-U-RW-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(2) 70 CRI, 3500K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR  
WIDE OPTICS WITH WHITE GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 12698 lumens  
Efficiency: N/A  
Efficacy: 101.6 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G1

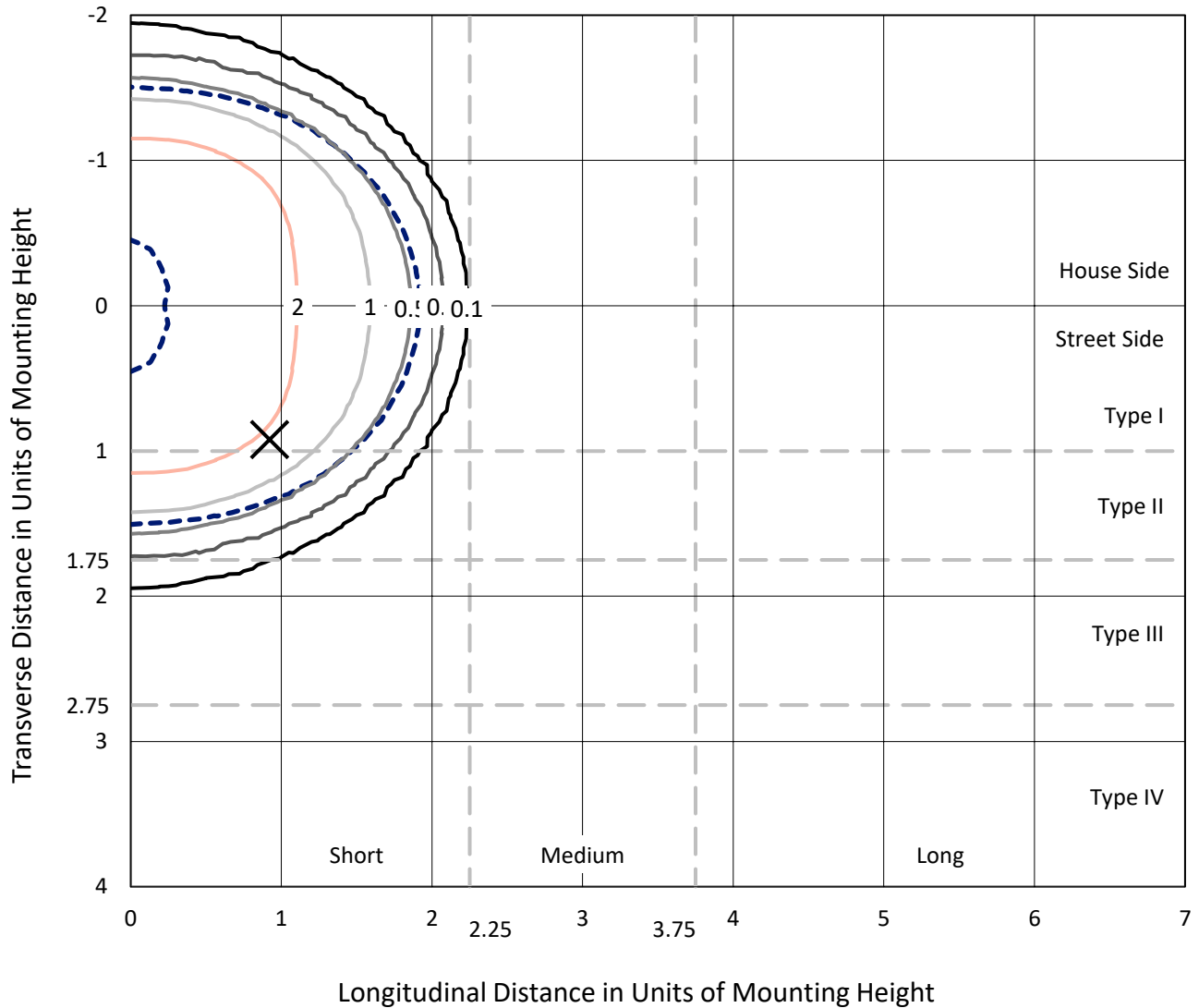
Input Watts (W): 125  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

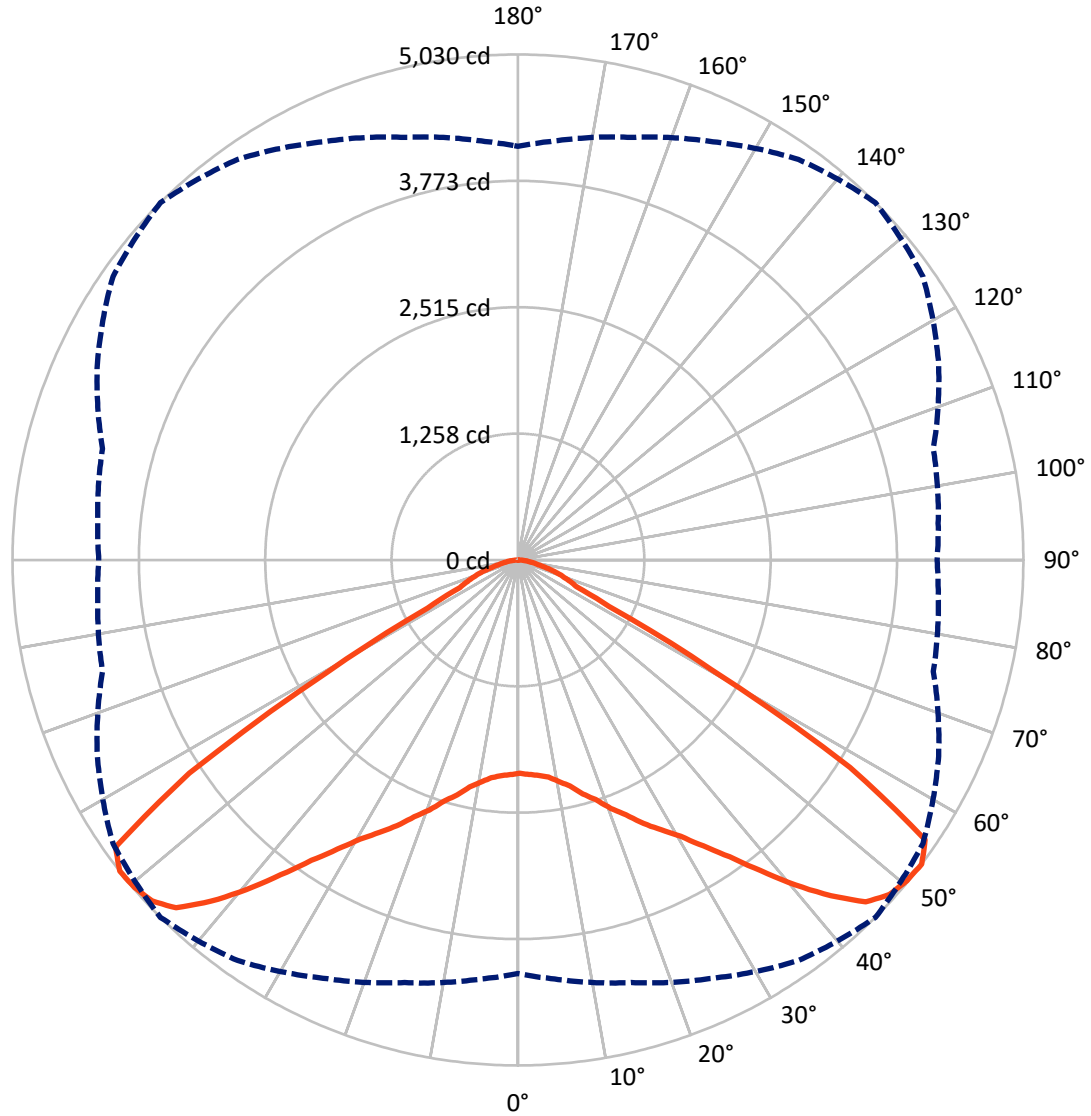
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.8 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 52.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	6349.0	0.0	6349.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	6349.0	0.0	6349.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	12698.0	0.0	12698.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	208.5	1.6
10°-20°	685.3	5.4
20°-30°	1304.6	10.3
30°-40°	2240.2	17.6
40°-50°	3443.2	27.1
50°-60°	3496.5	27.5
60°-70°	974.4	7.7
70°-80°	287.4	2.3
80°-90°	57.9	0.5
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°	12698.0	100.0
0°-180°	12698.0	100.0



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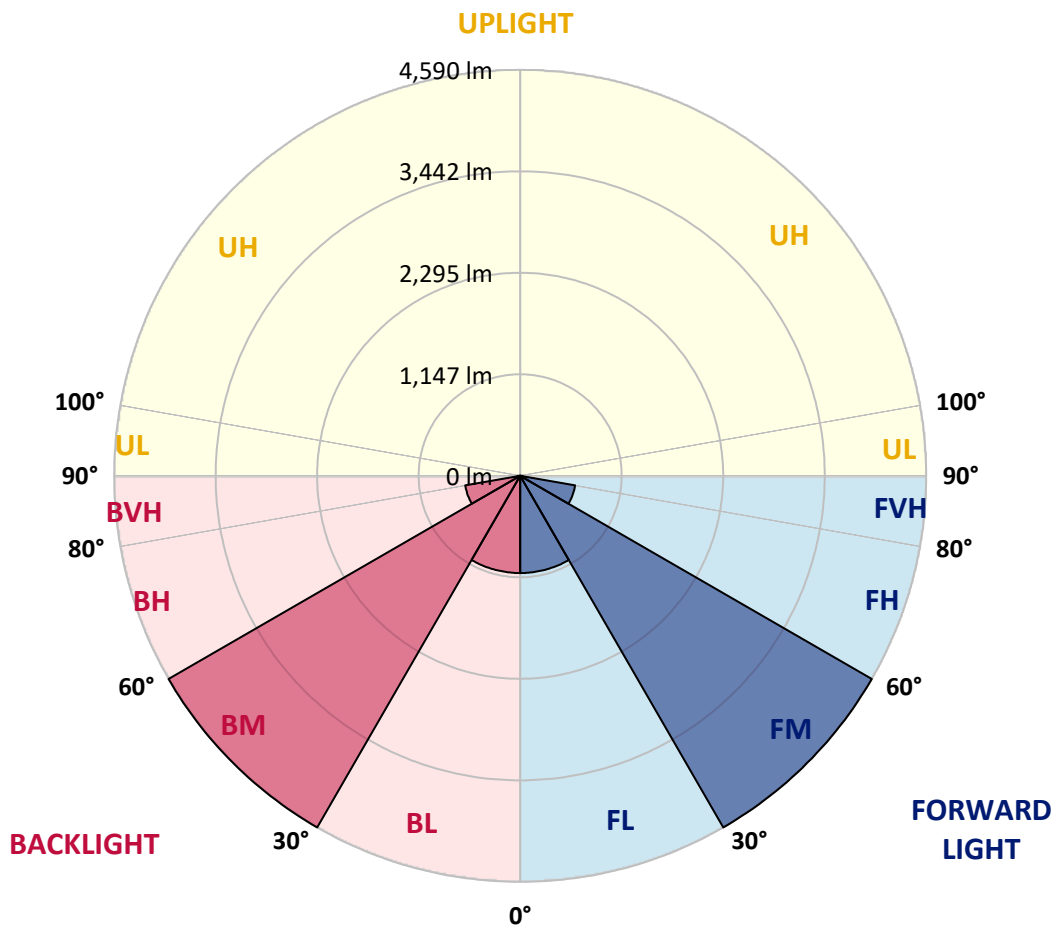
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1099.2	8.7			
FM (30°-60°)	4589.9	36.1			
FH (60°-80°)	630.9	5.0			G0/660
FVH (80°-90°)	29.0	0.2			G1/100
BL (0°-30°)	1099.2	8.7	B3/2500		
BM (30°-60°)	4589.9	36.1	B3/5000		
BH (60°-80°)	630.9	5.0	B2/1000		G0/660
BVH (80°-90°)	29.0	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G1**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2122.6	2122.6	2122.6	2122.6	2122.6	2122.6	2122.6	2122.6	2122.6	2122.6	2122.6
2.5°	2127.4	2105.3	2113.2	2117.9	2138.4	2136.8	2132.1	2138.4	2144.7	2146.3	2143.1
5°	2125.8	2110.0	2116.3	2121.1	2141.5	2152.6	2149.4	2176.2	2195.1	2190.4	2214.0
7.5°	2113.2	2122.6	2114.8	2138.4	2155.7	2182.5	2210.9	2236.1	2259.7	2286.5	2291.3
10°	2141.5	2141.5	2155.7	2174.6	2220.3	2240.8	2281.8	2318.0	2363.7	2395.3	2382.6
12.5°	2171.5	2176.2	2176.2	2225.1	2262.9	2308.6	2346.4	2395.3	2459.9	2497.7	2516.6
15°	2201.4	2204.6	2220.3	2286.5	2343.3	2415.7	2450.4	2494.5	2530.8	2601.7	2603.3
17.5°	2228.2	2245.6	2292.8	2366.9	2437.8	2507.1	2562.3	2608.0	2639.5	2667.9	2661.6
20°	2329.1	2341.7	2390.5	2464.6	2570.2	2637.9	2656.8	2664.7	2685.2	2741.9	2724.6
22.5°	2426.8	2431.5	2477.2	2590.7	2664.7	2754.5	2775.0	2770.3	2778.2	2792.4	2817.6
25°	2527.6	2535.5	2598.5	2694.7	2798.7	2905.8	2923.2	2886.9	2875.9	2891.6	2893.2
27.5°	2656.8	2658.4	2738.8	2822.3	2940.5	3041.3	3068.1	3039.8	2987.8	3000.4	3020.9
30°	2820.7	2809.7	2890.1	3009.8	3134.3	3191.0	3236.7	3222.6	3165.8	3154.8	3137.5
32.5°	3009.8	3013.0	3085.5	3216.3	3298.2	3392.8	3441.6	3418.0	3381.7	3362.8	3373.8
35°	3276.1	3290.3	3339.2	3447.9	3580.3	3627.6	3704.8	3654.3	3559.8	3583.4	3603.9
37.5°	3495.2	3536.2	3627.6	3756.8	3835.6	3922.2	3950.6	3882.8	3813.5	3785.1	3852.9
40°	3830.8	3818.2	3919.1	4048.3	4164.9	4251.6	4215.3	4147.6	3975.8	3977.4	3996.3
42.5°	4119.2	4125.5	4202.7	4357.2	4516.3	4569.9	4454.9	4289.4	4098.7	4078.2	4119.2
45°	4361.9	4387.1	4431.2	4637.7	4793.7	4852.0	4639.2	4443.8	4188.5	4103.5	4171.2
47.5°	4448.6	4489.5	4585.7	4774.8	4929.2	4976.5	4806.3	4525.8	4272.1	4133.4	4169.6
50°	4461.2	4447.0	4604.6	4777.9	4913.4	5015.9	4866.2	4585.7	4251.6	4179.1	4168.1
52.5°	4116.1	4185.4	4354.0	4592.0	4866.2	5030.0	4919.7	4618.7	4279.9	4198.0	4171.2
55°	3331.3	3249.4	3556.6	3956.9	4461.2	4916.6	4900.8	4636.1	4297.3	4229.5	4193.3
57.5°	1859.5	1883.1	2056.5	2491.4	3142.2	3898.6	4357.2	4453.3	4289.4	4250.0	4268.9
60°	860.4	868.3	942.3	1145.6	1549.0	2210.9	2814.4	3427.4	3709.5	3766.2	3766.2
62.5°	641.4	638.2	657.1	693.4	778.5	1016.4	1356.8	1843.7	2231.4	2502.4	2573.3
65°	579.9	578.3	587.8	600.4	606.7	639.8	715.4	865.1	991.2	1063.7	1051.1
67.5°	507.4	505.8	509.0	516.9	527.9	545.2	564.1	595.7	639.8	636.6	628.8
70°	409.7	409.7	414.4	420.7	433.4	453.8	475.9	498.0	535.8	543.7	542.1
72.5°	302.6	297.8	307.3	319.9	332.5	357.7	381.3	401.8	428.6	436.5	433.4
75°	192.3	195.4	201.7	215.9	237.9	255.3	280.5	297.8	315.2	321.5	323.0
77.5°	107.2	110.3	121.3	138.7	160.7	179.6	201.7	215.9	226.9	228.5	230.1
80°	64.6	66.2	77.2	93.0	111.9	132.4	149.7	163.9	173.3	168.6	167.0
82.5°	39.4	41.0	50.4	64.6	80.4	96.1	115.0	127.6	137.1	130.8	124.5
85°	20.5	22.1	29.9	39.4	52.0	59.9	59.9	53.6	52.0	48.9	47.3
87.5°	6.3	6.3	7.9	9.5	7.9	9.5	11.0	12.6	12.6	14.2	12.6
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)