

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: P529548

Luminaire Tested: **GLAN-SA4D-727-U-5MQ-GRSWH**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P529548  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SA4D-727-U-5MQ-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(4) 70 CRI, 2700K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V  
MEDIUM OPTICS WITH WHITE GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 22590 lumens  
Efficiency: N/A  
Efficacy: 92.2 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G1

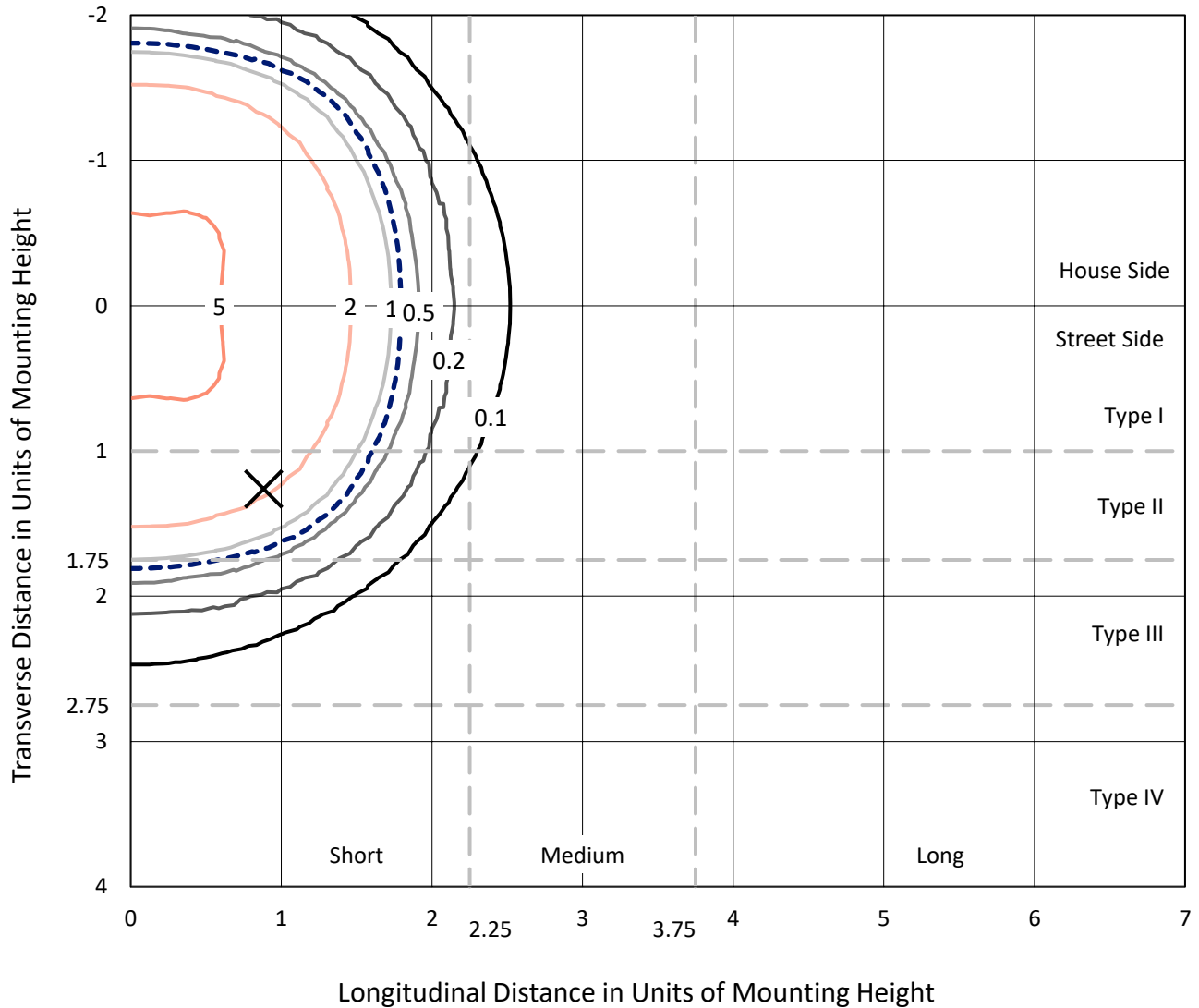
Input Watts (W): 245  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

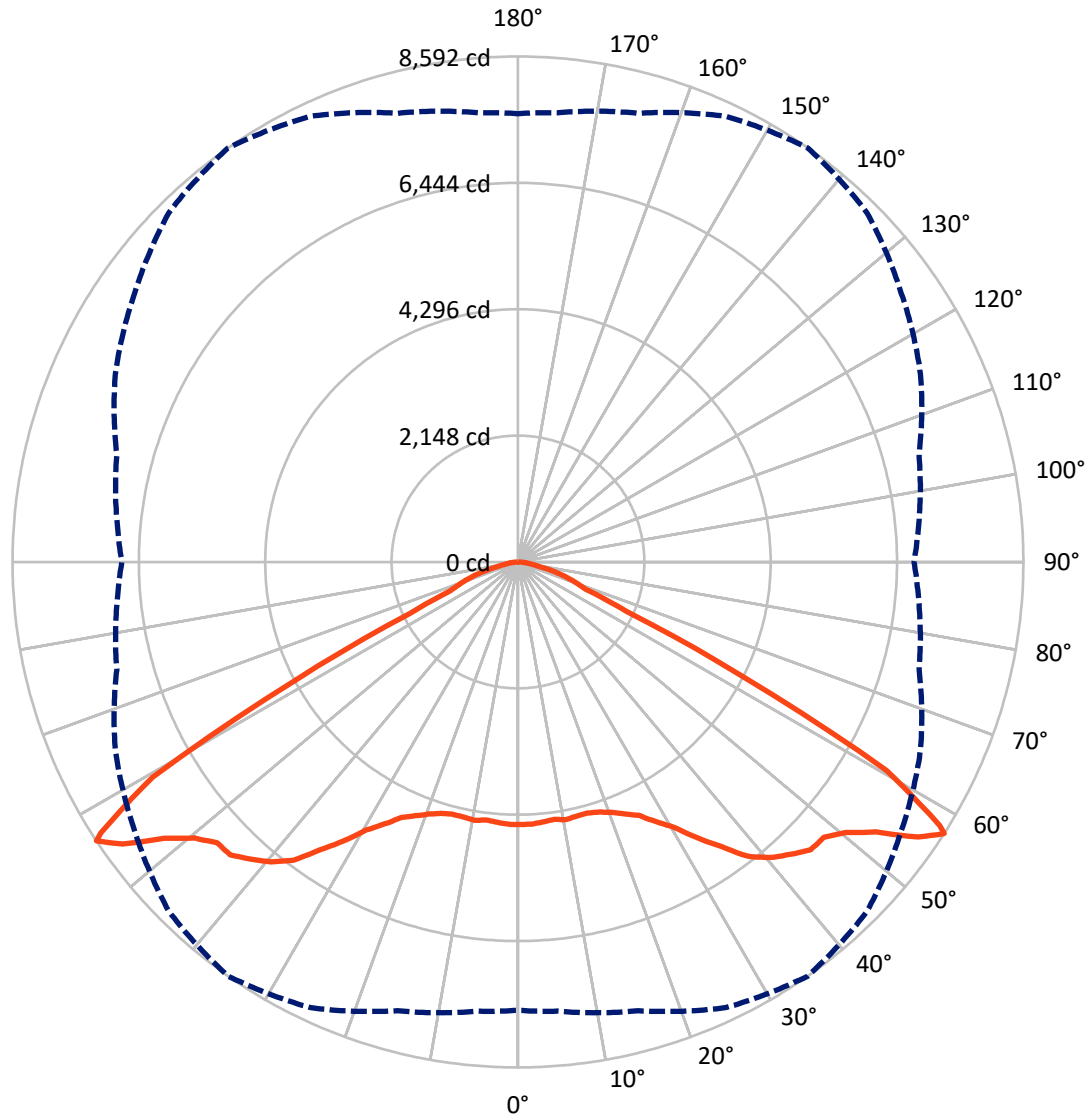
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.1 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral    - - - Horizontal Cone Through 57-Deg Vertical

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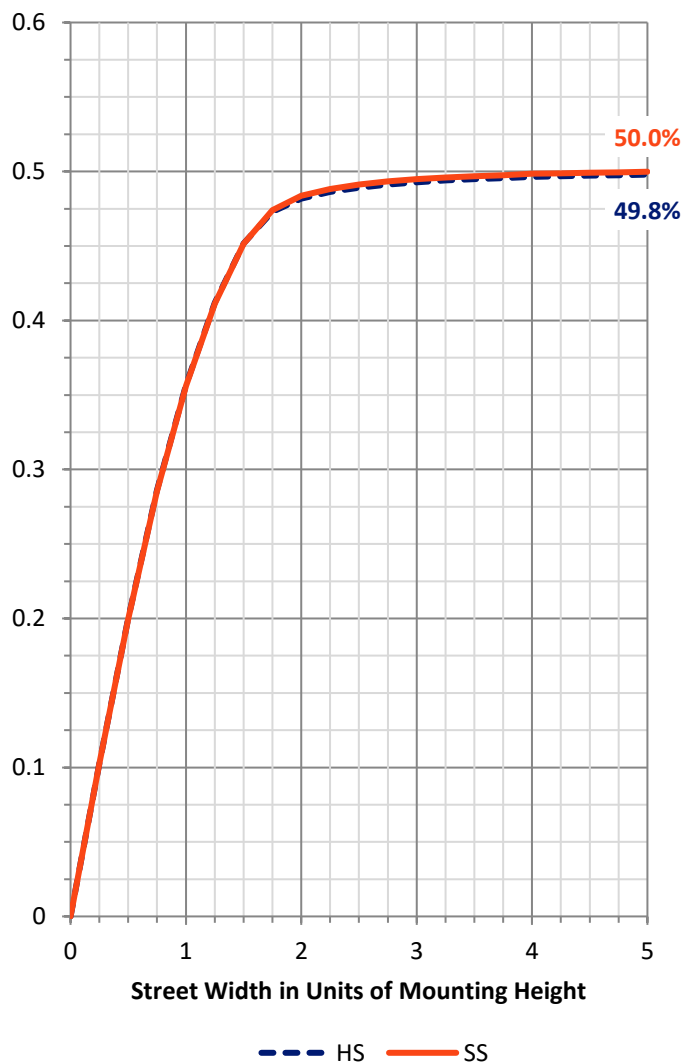
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	11295.0	0.0	11295.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	11295.0	0.0	11295.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	22590.0	0.0	22590.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	422.9	1.9
10°-20°	1252.7	5.5
20°-30°	2187.8	9.7
30°-40°	3584.7	15.9
40°-50°	5256.1	23.3
50°-60°	6620.4	29.3
60°-70°	2489.9	11.0
70°-80°	662.0	2.9
80°-90°	113.5	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°	22590.0	100.0
0°-180°	22590.0	100.0

**Coefficient of Utilization**

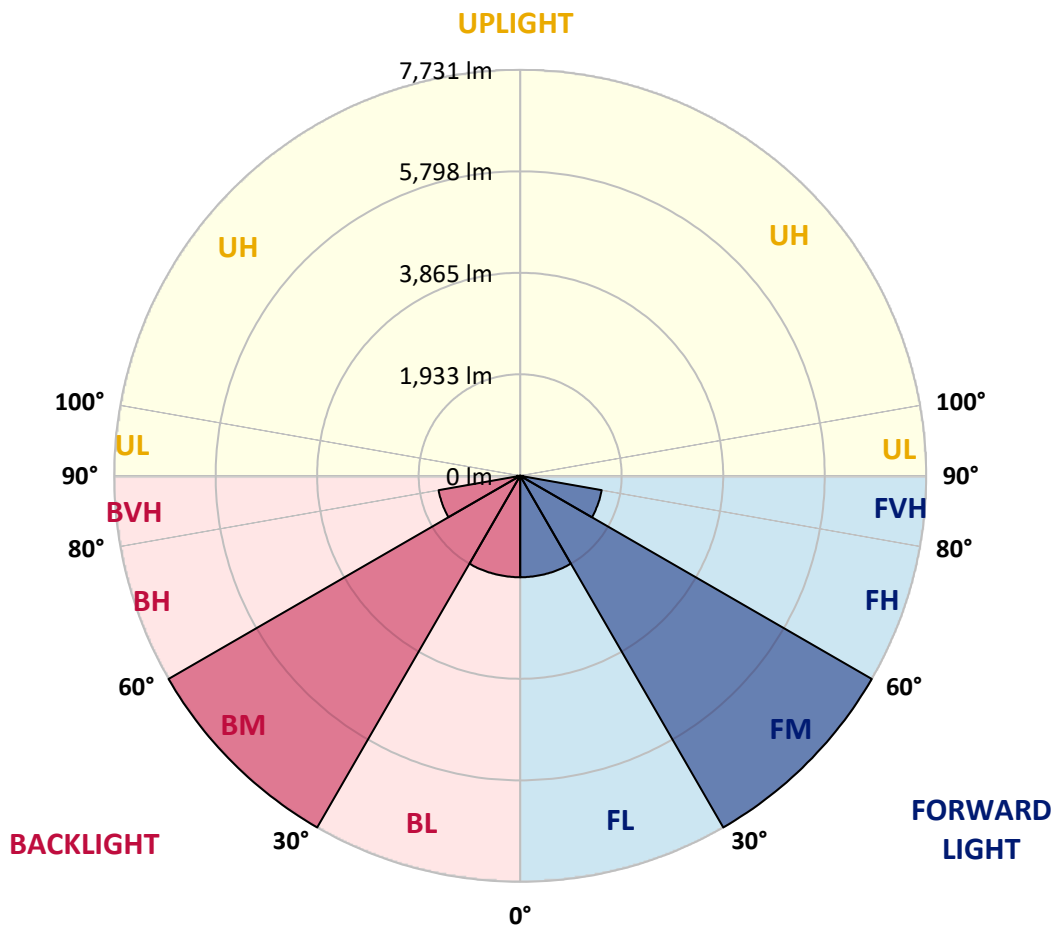


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1931.7	8.6			
FM (30°-60°)	7730.6	34.2			
FH (60°-80°)	1576.0	7.0			G1/1800
FVH (80°-90°)	56.8	0.3			G1/100
BL (0°-30°)	1931.7	8.6	B3/2500		
BM (30°-60°)	7730.6	34.2	B4/8500		
BH (60°-80°)	1576.0	7.0	B3/2500		G1/1800
BVH (80°-90°)	56.8	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G1**  
 Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4461.4	4461.4	4461.4	4461.4	4461.4	4461.4	4461.4	4461.4	4461.4	4461.4	4461.4
2.5°	4439.1	4483.6	4464.1	4453.0	4461.4	4447.4	4425.2	4450.2	4444.7	4422.4	4414.0
5°	4428.0	4461.4	4439.1	4461.4	4439.1	4478.1	4466.9	4425.2	4475.3	4428.0	4444.7
7.5°	4419.6	4430.7	4436.3	4425.2	4416.8	4464.1	4439.1	4419.6	4391.8	4383.4	4397.3
10°	4400.1	4428.0	4386.2	4441.9	4453.0	4419.6	4419.6	4383.4	4361.2	4347.3	4394.6
12.5°	4450.2	4402.9	4397.3	4425.2	4433.5	4447.4	4408.5	4389.0	4347.3	4352.8	4344.5
15°	4391.8	4411.3	4414.0	4419.6	4428.0	4461.4	4425.2	4383.4	4366.7	4308.3	4313.9
17.5°	4414.0	4394.6	4414.0	4478.1	4466.9	4492.0	4453.0	4389.0	4350.0	4316.6	4361.2
20°	4453.0	4444.7	4453.0	4530.9	4544.9	4567.1	4533.7	4475.3	4400.1	4361.2	4383.4
22.5°	4494.8	4489.2	4494.8	4569.9	4650.6	4678.4	4645.0	4508.7	4469.7	4397.3	4372.3
25°	4569.9	4575.5	4633.9	4717.4	4770.3	4823.2	4761.9	4664.5	4539.3	4494.8	4441.9
27.5°	4736.9	4750.8	4784.2	4906.7	4998.5	5045.8	4959.5	4825.9	4748.0	4656.2	4642.3
30°	4942.8	4942.8	5001.3	5107.0	5232.3	5304.6	5198.9	5040.2	4945.6	4895.5	4864.9
32.5°	5215.6	5185.0	5207.2	5393.7	5588.5	5649.8	5507.8	5313.0	5162.7	5095.9	5073.6
35°	5449.4	5468.9	5518.9	5719.3	5936.4	6078.4	5855.7	5602.4	5449.4	5388.1	5377.0
37.5°	5752.7	5786.1	5811.2	6086.7	6348.3	6401.2	6186.9	5983.7	5797.3	5747.2	5719.3
40°	6181.3	6159.1	6167.4	6370.6	6607.2	6640.5	6429.0	6284.3	6131.2	6100.6	6100.6
42.5°	6534.8	6509.7	6537.6	6612.7	6793.6	6768.6	6651.7	6545.9	6481.9	6448.5	6481.9
45°	6749.1	6743.5	6793.6	6849.3	6977.3	6893.8	6802.0	6818.7	6757.4	6701.8	6699.0
47.5°	6982.9	6946.7	7007.9	7091.4	6994.0	6955.0	6949.5	6985.7	6966.2	6868.8	6838.2
50°	7097.0	7083.1	7180.5	7277.9	7225.0	7135.9	7155.4	7213.9	6963.4	6832.6	6757.4
52.5°	7403.1	7405.9	7592.4	7645.3	7623.0	7492.2	7533.9	7375.3	7080.3	6896.6	6904.9
55°	7884.6	7865.1	8073.9	8229.7	8254.8	8087.8	7887.4	7664.7	7294.6	7108.1	7052.5
57°	7620.2	7664.7	7895.7	8357.7	8591.5	8393.9	7957.0	7550.6	7058.0	6832.6	6732.4
57.5°	7266.8	7339.1	7739.9	8204.7	8449.6	8432.9	7870.7	7339.1	6899.4	6548.7	6557.1
60°	5324.1	5338.0	5699.9	6437.4	7202.7	7219.4	6534.8	5830.7	5340.8	4959.5	5012.4
62.5°	2808.2	2872.2	3016.9	3609.7	4272.1	4433.5	4018.8	3657.0	3234.0	2944.6	2972.4
65°	1486.2	1477.8	1547.4	1714.4	2040.0	2123.5	2067.9	1781.2	1633.7	1586.4	1589.2
67.5°	1207.9	1221.8	1213.4	1221.8	1244.1	1280.2	1271.9	1283.0	1291.4	1305.3	1302.5
70°	1024.2	1024.2	1029.8	1032.5	1032.5	1049.2	1068.7	1104.9	1107.7	1121.6	1127.2
72.5°	807.1	801.5	809.9	829.4	832.2	846.1	873.9	896.2	904.5	904.5	887.8
75°	548.3	553.8	565.0	581.7	598.4	623.4	645.7	659.6	665.2	656.8	648.5
77.5°	308.9	314.5	322.8	347.9	367.4	389.6	414.7	428.6	442.5	445.3	428.6
80°	183.7	183.7	197.6	217.1	239.3	261.6	283.9	300.6	306.1	306.1	297.8
82.5°	111.3	114.1	125.2	144.7	164.2	178.1	197.6	211.5	222.7	219.9	214.3
85°	58.4	58.4	69.6	86.3	100.2	114.1	114.1	105.8	100.2	86.3	80.7
87.5°	19.5	16.7	22.3	22.3	19.5	22.3	22.3	25.0	25.0	25.0	25.0
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)