

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: P530018

Luminaire Tested: **GLAN-SA5B-727-U-5NQ-GRSWH**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P530018  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-6)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SA5B-727-U-5NQ-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(5) 70 CRI, 2700K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS WITH WHITE GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 21465 lumens  
Efficiency: N/A  
Efficacy: 105.2 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G1

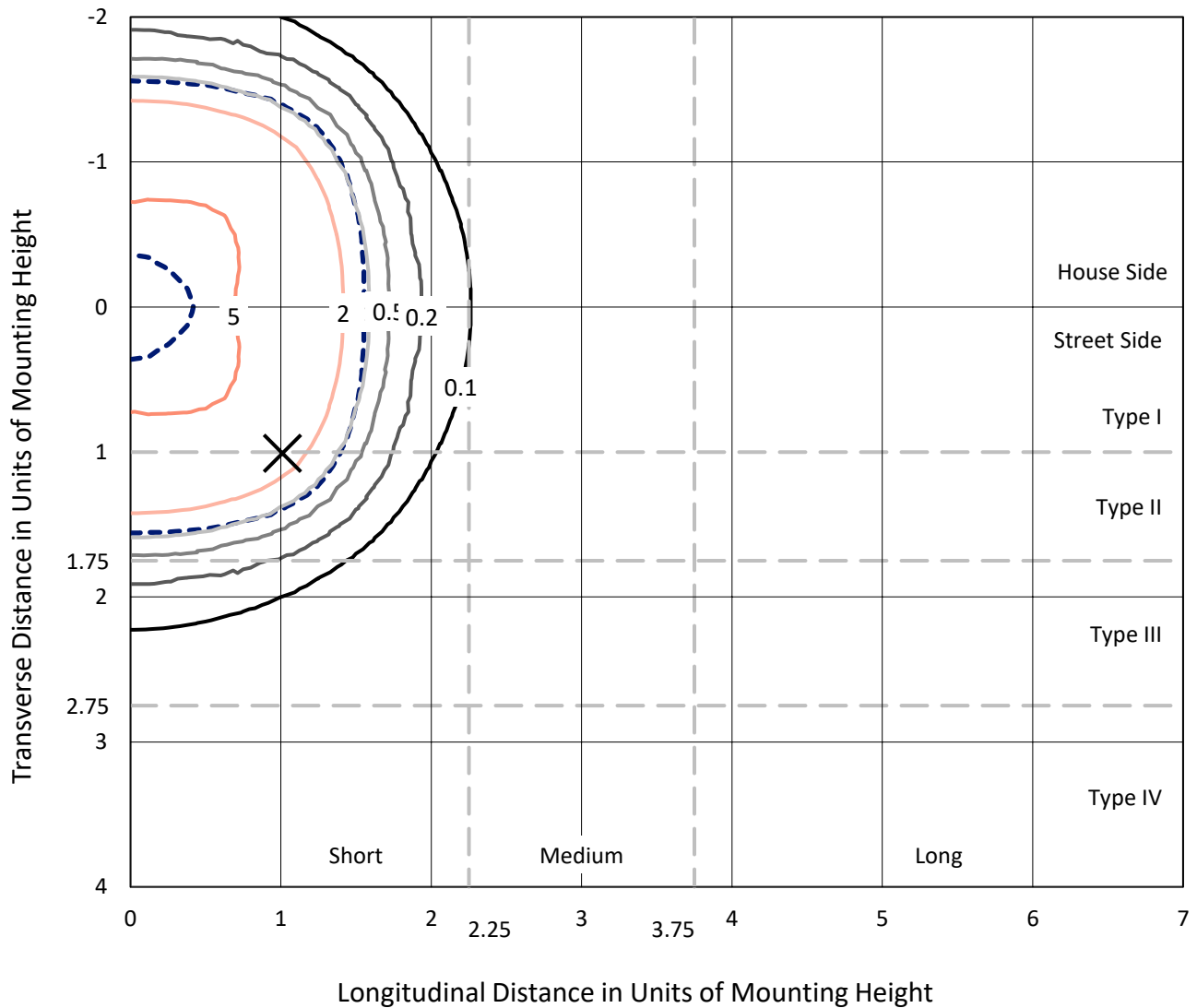
Input Watts (W): 204  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

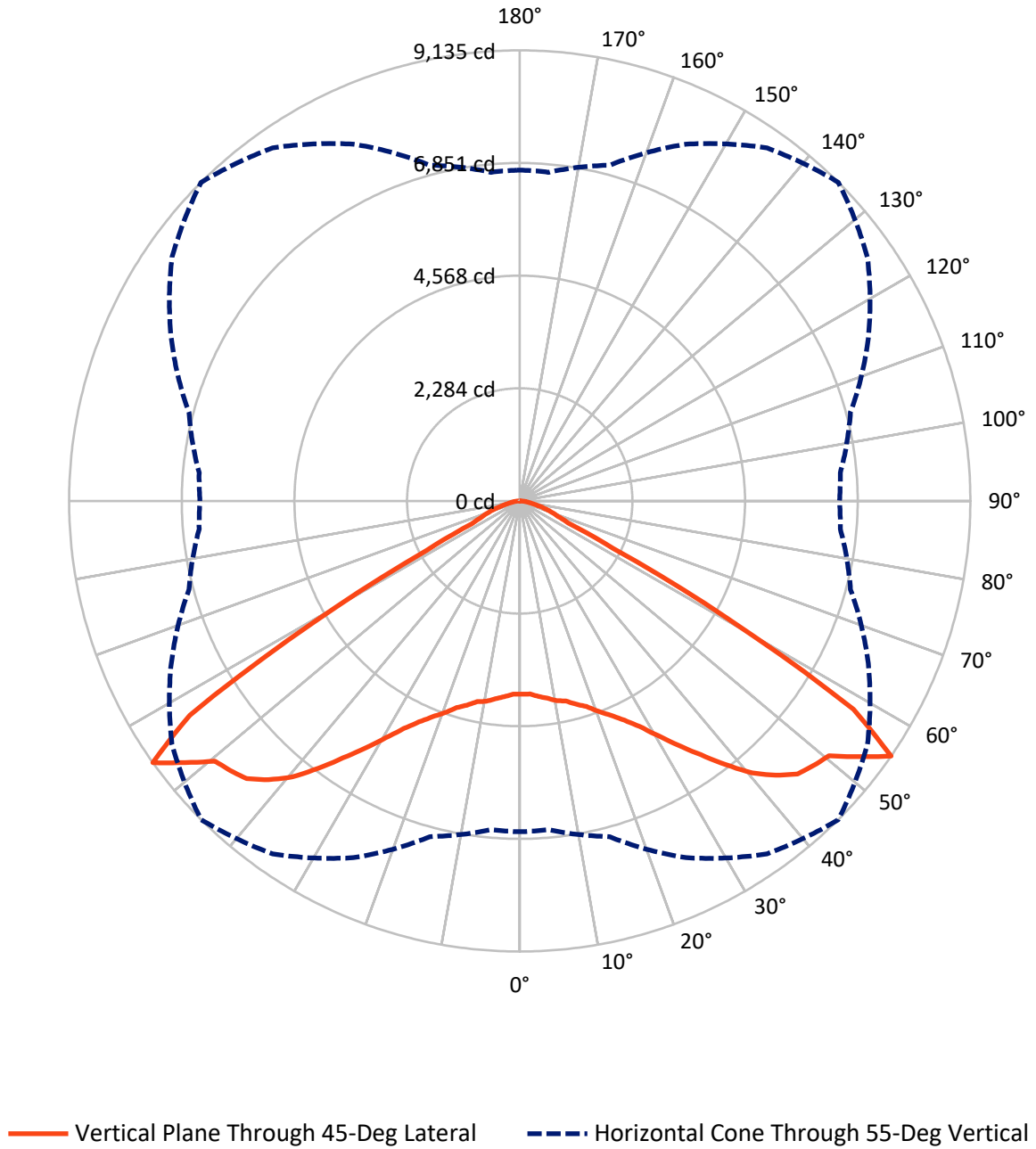
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.3 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



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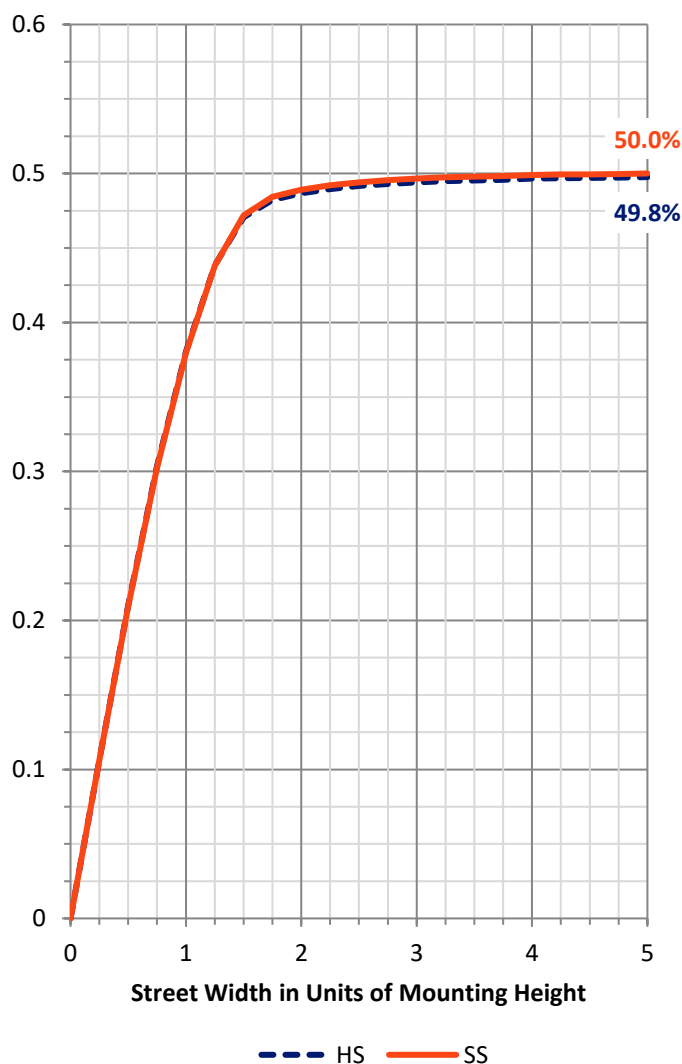
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	10732.5	0.0	10732.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	10732.5	0.0	10732.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	21465.0	0.0	21465.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	382.9	1.8
10°-20°	1213.1	5.7
20°-30°	2262.1	10.5
30°-40°	3787.5	17.6
40°-50°	5893.6	27.5
50°-60°	6119.4	28.5
60°-70°	1297.7	6.0
70°-80°	427.4	2.0
80°-90°	81.4	0.4
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°	21465.0	100.0
0°-180°	21465.0	100.0

**Coefficient of Utilization**

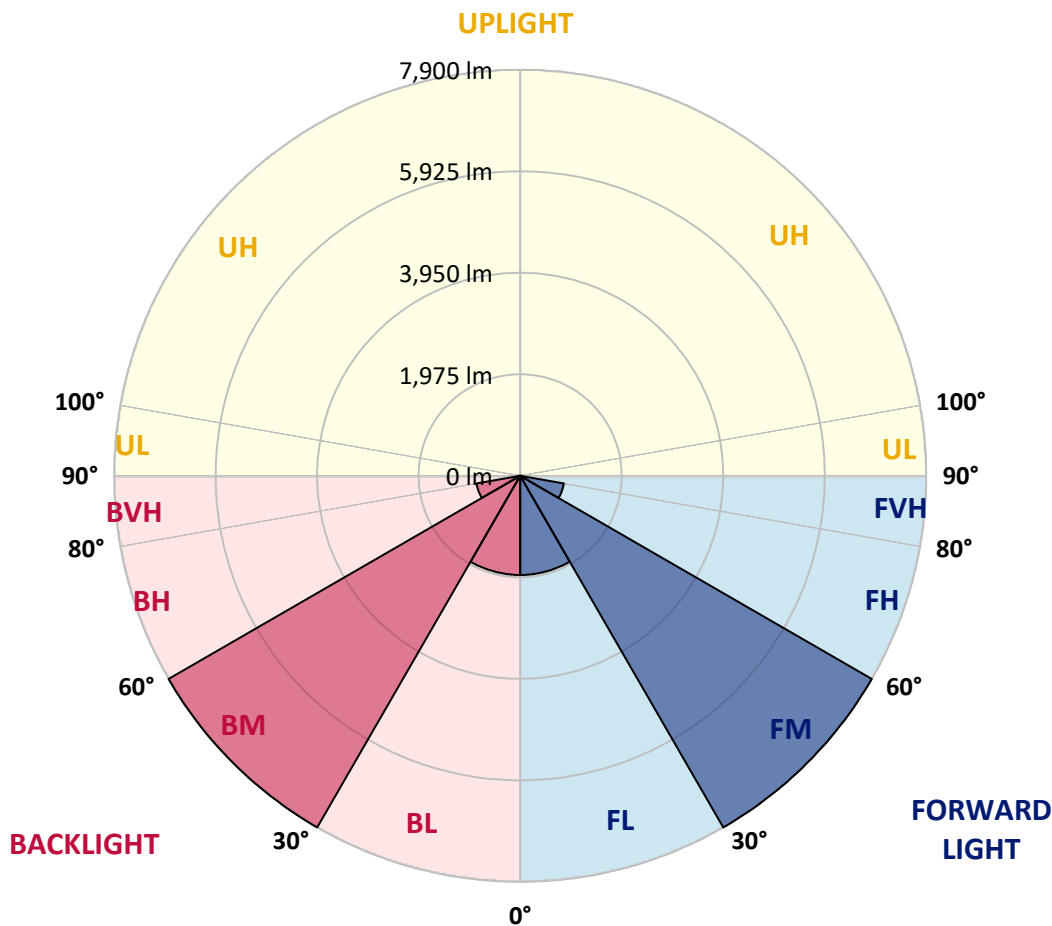


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1929.0	9.0			
FM (30°-60°)	7900.2	36.8			
FH (60°-80°)	862.6	4.0			G1/1800
FVH (80°-90°)	40.7	0.2			G1/100
BL (0°-30°)	1929.0	9.0	B3/2500		
BM (30°-60°)	7900.2	36.8	B4/8500		
BH (60°-80°)	862.6	4.0	B2/1000		G1/1800
BVH (80°-90°)	40.7	0.2			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°	3919.2	3919.2	3919.2	3919.2	3919.2	3919.2	3919.2	3919.2	3919.2	3919.2	3919.2
2.5°	3965.9	3947.7	3916.6	3939.9	3958.1	3919.2	3934.8	3942.5	3937.3	3916.6	3924.4
5°	4022.9	4012.6	3986.6	4004.8	3981.4	3981.4	3965.9	3945.1	3976.3	3971.1	3984.0
7.5°	4022.9	4010.0	4061.8	4028.1	4038.5	4038.5	4012.6	3991.8	4007.4	3984.0	3971.1
10°	4103.3	4121.5	4098.2	4105.9	4100.8	4118.9	4080.0	4067.0	4054.1	4046.3	4030.7
12.5°	4199.3	4186.3	4194.1	4188.9	4207.1	4160.4	4137.1	4108.5	4131.9	4098.2	4121.5
15°	4277.1	4269.3	4277.1	4297.9	4279.7	4277.1	4235.6	4207.1	4170.8	4178.6	4142.3
17.5°	4383.5	4375.7	4378.3	4396.4	4393.8	4380.9	4349.8	4295.3	4282.3	4261.6	4238.2
20°	4541.7	4528.7	4523.5	4531.3	4544.3	4554.7	4492.4	4471.7	4427.6	4393.8	4354.9
22.5°	4676.6	4671.4	4692.1	4658.4	4686.9	4718.1	4658.4	4648.0	4539.1	4520.9	4479.4
25°	4863.3	4855.5	4842.6	4891.9	4925.6	4923.0	4865.9	4808.9	4725.9	4705.1	4705.1
27.5°	5060.4	5016.4	5083.8	5096.8	5156.4	5174.6	5125.3	5042.3	4964.5	4920.4	4930.8
30°	5306.9	5265.4	5280.9	5374.3	5452.1	5519.5	5395.0	5273.1	5164.2	5086.4	5073.4
32.5°	5553.3	5511.8	5558.5	5649.2	5804.9	5906.0	5784.1	5571.4	5444.3	5330.2	5353.5
35°	5753.0	5784.1	5859.3	5996.8	6157.6	6321.0	6126.5	5963.1	5781.5	5654.4	5672.6
37.5°	6074.6	6170.6	6230.2	6388.5	6616.7	6785.3	6583.0	6370.3	6175.8	6009.8	5952.7
40°	6494.8	6559.6	6627.1	6813.8	7083.6	7252.2	7060.2	6782.7	6590.8	6419.6	6411.8
42.5°	6956.5	7018.7	7088.8	7317.0	7477.8	7604.9	7428.6	7280.7	7068.0	6933.2	6925.4
45°	7493.4	7449.3	7527.1	7677.6	7812.4	7895.4	7781.3	7708.7	7555.7	7431.2	7418.2
47.5°	7851.3	7812.4	7952.5	8087.4	8108.1	8017.3	8040.7	8108.1	7947.3	7742.4	7807.3
50°	8058.8	8058.8	8152.2	8276.7	8237.8	8121.1	8305.3	8310.4	8149.6	7968.1	7968.1
52.5°	7698.3	7778.7	8043.3	8450.5	8580.2	8613.9	8572.4	8396.0	7975.8	7604.9	7586.8
55°	6707.5	6689.3	7047.3	7981.0	8735.8	9135.3	8606.1	7794.3	6940.9	6523.3	6481.8
57.5°	4362.7	4383.5	4917.8	5869.7	7231.4	7975.8	7083.6	5942.3	4917.8	4342.0	4396.4
60°	1963.5	2033.5	2357.7	3068.4	4238.2	4845.2	4248.6	3224.1	2474.5	2147.6	2176.2
62.5°	1128.3	1141.3	1154.2	1369.5	1805.3	2134.7	1875.3	1447.3	1276.1	1219.1	1219.1
65°	951.9	944.1	946.7	964.9	1011.6	1079.0	1050.5	1011.6	1016.8	1011.6	1003.8
67.5°	809.3	819.6	811.9	824.8	827.4	837.8	855.9	871.5	874.1	879.3	874.1
70°	664.0	666.6	671.8	682.2	684.8	692.5	718.5	731.4	739.2	739.2	749.6
72.5°	508.4	505.8	511.0	521.3	534.3	536.9	560.3	578.4	588.8	575.8	578.4
75°	334.6	337.2	345.0	352.8	370.9	389.1	396.8	415.0	417.6	422.8	409.8
77.5°	199.7	204.9	212.7	228.3	243.8	259.4	277.5	290.5	295.7	290.5	274.9
80°	129.7	129.7	140.1	153.0	171.2	184.2	194.5	204.9	212.7	204.9	199.7
82.5°	80.4	80.4	93.4	108.9	121.9	129.7	145.3	158.2	166.0	160.8	153.0
85°	41.5	44.1	54.5	67.4	77.8	83.0	80.4	72.6	64.8	62.3	57.1
87.5°	13.0	13.0	15.6	15.6	13.0	13.0	15.6	13.0	15.6	15.6	15.6
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)