

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: P529313

Luminaire Tested: **GLAN-SA4C-727-U-5MQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P529313
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-3)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA4C-727-U-5MQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(4) 70 CRI, 2700K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V
MEDIUM OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13959 lumens
Efficiency: N/A
Efficacy: 65.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G0

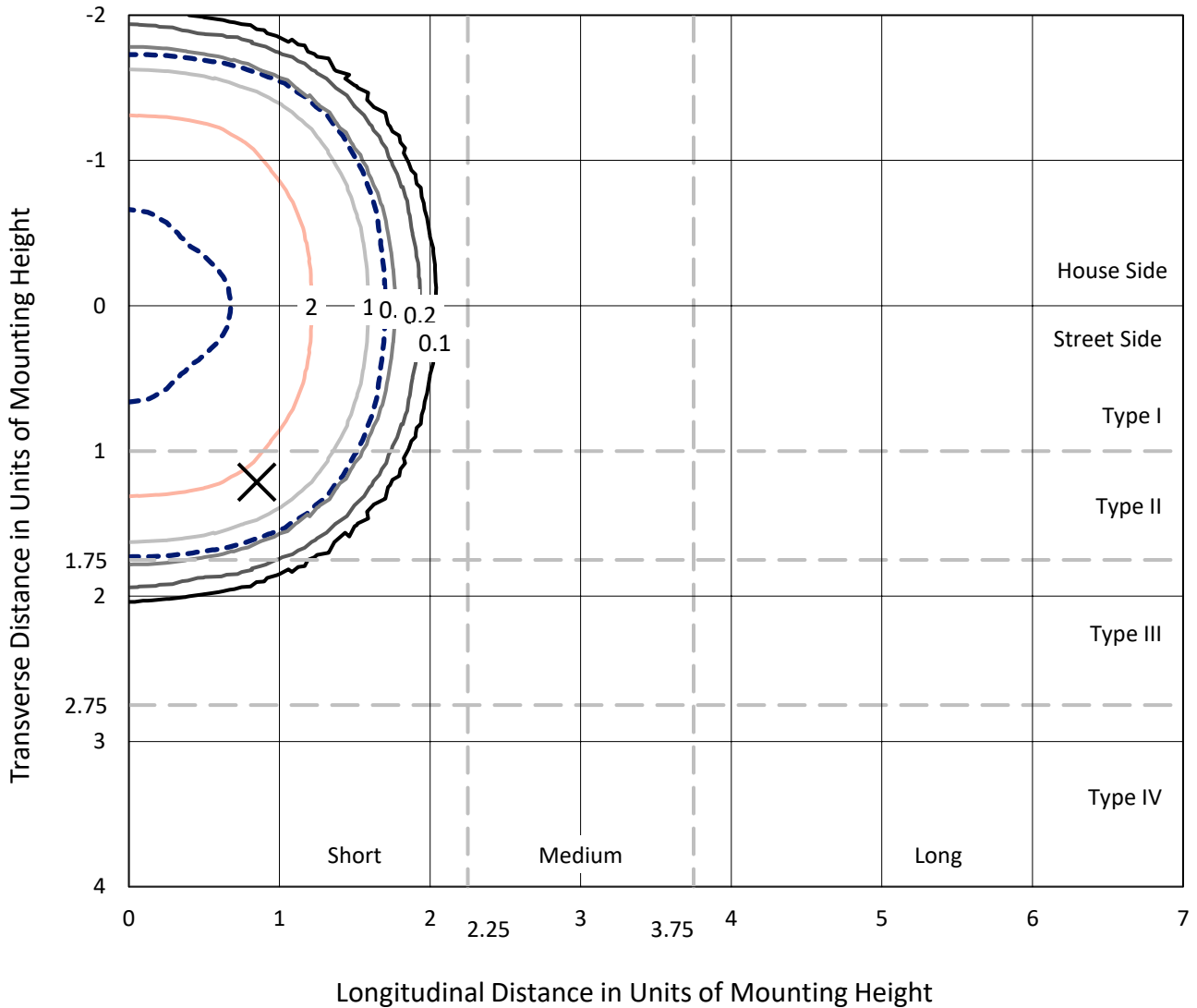
Input Watts (W): 213
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P529313
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Iso-Footcandle Lines of Horizontal Illumination

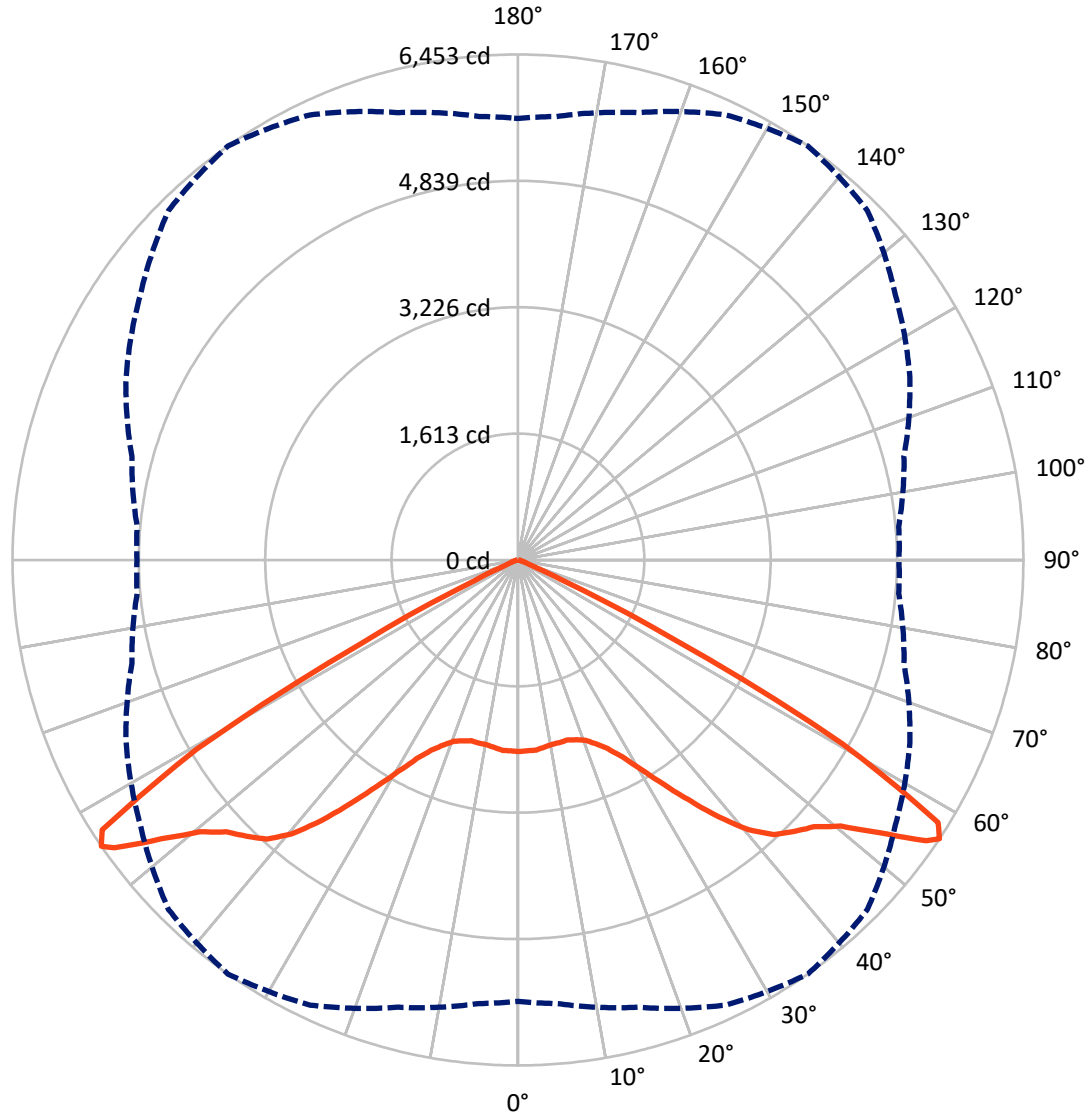
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.9 fc
 Type V - Short - N/A

REPORT NUMBER: P529313
CATALOG NUMBER: GLAN-SA4C-727-U-5MQ-GRSBK

Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 56-Deg Vertical

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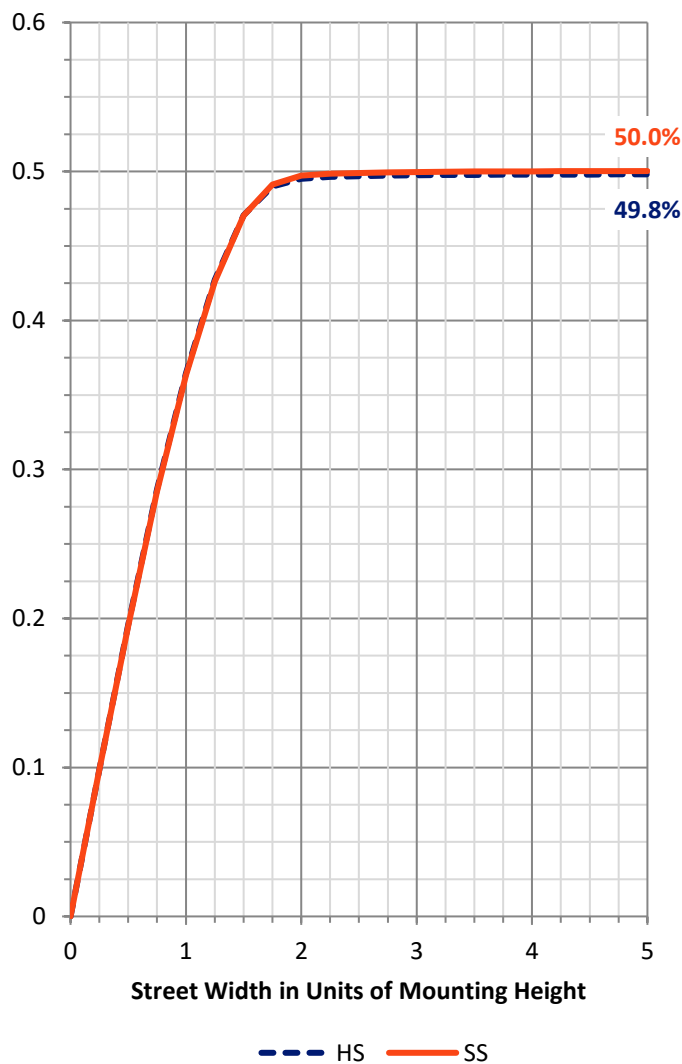
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6979.5	0.0	6979.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6979.5	0.0	6979.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	13959.0	0.0	13959.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	229.9	1.6
10°-20°	671.1	4.8
20°-30°	1215.3	8.7
30°-40°	2253.7	16.1
40°-50°	3699.2	26.5
50°-60°	4765.7	34.1
60°-70°	1050.3	7.5
70°-80°	60.9	0.4
80°-90°	12.8	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°	13959.0	100.0
0°-180°	13959.0	100.0

Coefficient of Utilization



REPORT NUMBER: P529313

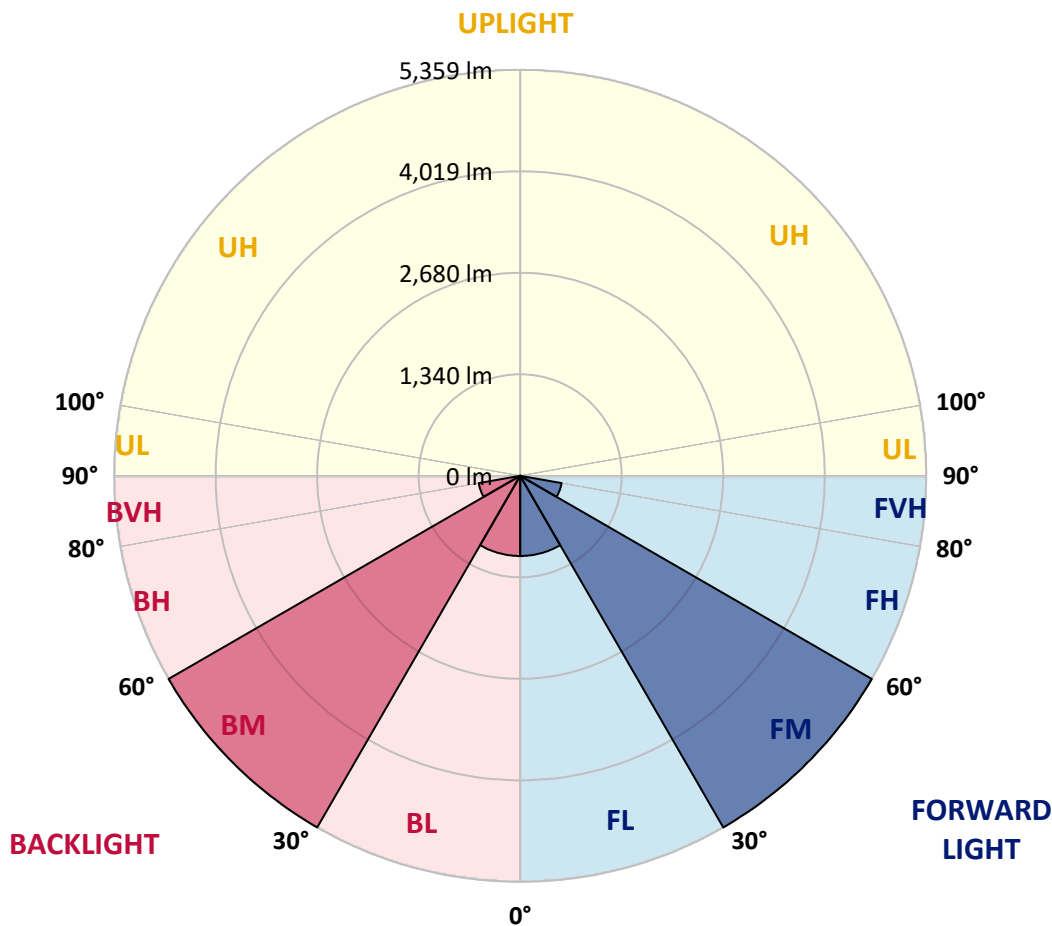
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1058.2	7.6			
FM (30°-60°)	5359.3	38.4			
FH (60°-80°)	555.6	4.0			G0/660
FVH (80°-90°)	6.4	0.0			G0/10
BL (0°-30°)	1058.2	7.6	B3/2500		
BM (30°-60°)	5359.3	38.4	B4/8500		
BH (60°-80°)	555.6	4.0	B2/1000		G0/660
BVH (80°-90°)	6.4	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G0

Type V Short





REPORT NUMBER: P529313

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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2445.9	2445.9	2445.9	2445.9	2445.9	2445.9	2445.9	2445.9	2445.9	2445.9	2445.9
2.5°	2451.0	2451.0	2453.5	2456.0	2438.3	2430.7	2433.3	2428.2	2425.7	2433.3	2433.3
5°	2443.4	2443.4	2435.8	2438.3	2438.3	2415.6	2415.6	2420.6	2420.6	2405.4	2400.4
7.5°	2423.2	2418.1	2408.0	2420.6	2413.0	2413.0	2395.3	2382.7	2377.6	2387.7	2377.6
10°	2380.2	2382.7	2392.8	2397.9	2392.8	2408.0	2377.6	2359.9	2342.2	2334.6	2334.6
12.5°	2359.9	2375.1	2359.9	2372.6	2390.3	2377.6	2359.9	2347.3	2322.0	2311.9	2311.9
15°	2357.4	2367.5	2372.6	2390.3	2382.7	2387.7	2352.3	2337.2	2299.2	2281.5	2273.9
17.5°	2354.9	2367.5	2375.1	2408.0	2413.0	2415.6	2387.7	2342.2	2309.3	2291.6	2273.9
20°	2382.7	2387.7	2402.9	2435.8	2456.0	2491.4	2440.9	2392.8	2322.0	2301.7	2294.2
22.5°	2418.1	2443.4	2458.6	2494.0	2547.1	2577.4	2511.7	2451.0	2377.6	2352.3	2322.0
25°	2531.9	2526.9	2552.2	2625.5	2668.5	2691.3	2638.2	2549.6	2453.5	2423.2	2428.2
27.5°	2673.6	2678.6	2701.4	2782.3	2845.6	2881.0	2817.7	2701.4	2607.8	2557.2	2552.2
30°	2858.2	2853.1	2878.4	2987.2	3101.0	3154.1	3042.9	2906.3	2815.2	2749.4	2764.6
32.5°	3053.0	3055.5	3126.3	3225.0	3409.6	3513.3	3333.7	3166.8	3030.2	2984.7	2961.9
35°	3341.3	3354.0	3409.6	3561.4	3766.3	3900.3	3703.0	3503.2	3346.4	3262.9	3273.0
37.5°	3698.0	3685.3	3778.9	3943.3	4158.3	4257.0	4090.0	3862.4	3703.0	3647.4	3682.8
40°	4077.4	4090.0	4138.1	4287.3	4527.6	4593.4	4345.5	4221.5	4082.4	4054.6	4097.6
42.5°	4456.8	4449.2	4484.6	4618.7	4793.2	4747.7	4601.0	4527.6	4429.0	4373.3	4431.5
45°	4735.0	4722.4	4788.1	4879.2	4942.4	4856.4	4790.7	4765.4	4714.8	4654.1	4707.2
47.5°	5005.7	4995.5	5058.8	5084.1	5089.1	4975.3	4988.0	5033.5	4907.0	4780.5	4841.2
50°	5235.8	5218.1	5296.5	5352.2	5339.5	5157.4	5202.9	5157.4	4960.1	4810.9	4788.1
52.5°	5620.3	5627.9	5711.4	5812.5	5782.2	5630.4	5564.7	5357.2	5104.3	4970.2	4891.8
55°	5863.1	5825.2	5969.4	6290.6	6326.0	6169.2	5878.3	5572.2	5192.8	5028.4	5008.2
56°	5635.5	5683.5	5911.2	6270.3	6452.5	6308.3	5885.9	5519.1	5101.8	4879.2	4864.0
57.5°	5056.2	5031.0	5339.5	5830.2	6326.0	6265.3	5678.5	5139.7	4654.1	4403.7	4373.3
60°	3146.6	3219.9	3490.6	4097.6	4760.3	4790.7	4208.9	3746.0	3179.4	2956.9	3010.0
62.5°	1231.8	1168.6	1338.0	1790.8	2246.1	2347.3	2127.2	1768.0	1451.9	1231.8	1216.6
65°	285.8	278.2	313.6	432.5	604.5	700.6	665.2	478.1	351.6	333.9	308.6
67.5°	161.9	161.9	154.3	154.3	169.5	179.6	172.0	169.5	177.1	184.6	182.1
70°	113.8	111.3	106.2	108.8	103.7	103.7	111.3	123.9	134.1	134.1	136.6
72.5°	68.3	68.3	68.3	75.9	75.9	75.9	83.5	93.6	96.1	93.6	91.1
75°	30.4	30.4	35.4	43.0	48.1	50.6	58.2	63.2	68.3	63.2	58.2
77.5°	7.6	7.6	12.6	17.7	22.8	27.8	37.9	45.5	48.1	45.5	37.9
80°	2.5	2.5	5.1	12.6	22.8	27.8	37.9	40.5	43.0	37.9	30.4
82.5°	2.5	2.5	5.1	12.6	17.7	22.8	30.4	35.4	37.9	32.9	30.4
85°	0.0	2.5	5.1	10.1	15.2	20.2	20.2	15.2	12.6	7.6	10.1
87.5°	0.0	0.0	2.5	2.5	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)