

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: P400271

Luminaire Tested: **ARCH-L-PA3-260-727-U-5WQ**

Issue Date: 5/19/2020

Test Information

Test Method: LM-79-08
Report Number: P400271
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1910-568-1)
Test Lab: INNOVATION CENTER
Issue Date: 5/19/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: ARCH-L-PA3-260-727-U-5WQ
Description: ARCHEON-L ROADWAY AND AREA LUMINAIRE
(3) 70 CRI, 2700K, 1110mA LIGHT ENGINES WITH 24 LEDS AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 29618 lumens
Efficiency: N/A
Efficacy: 113.5 lumens/watt
Luminous Opening: Rectangular (W 0.75' x L: 1.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

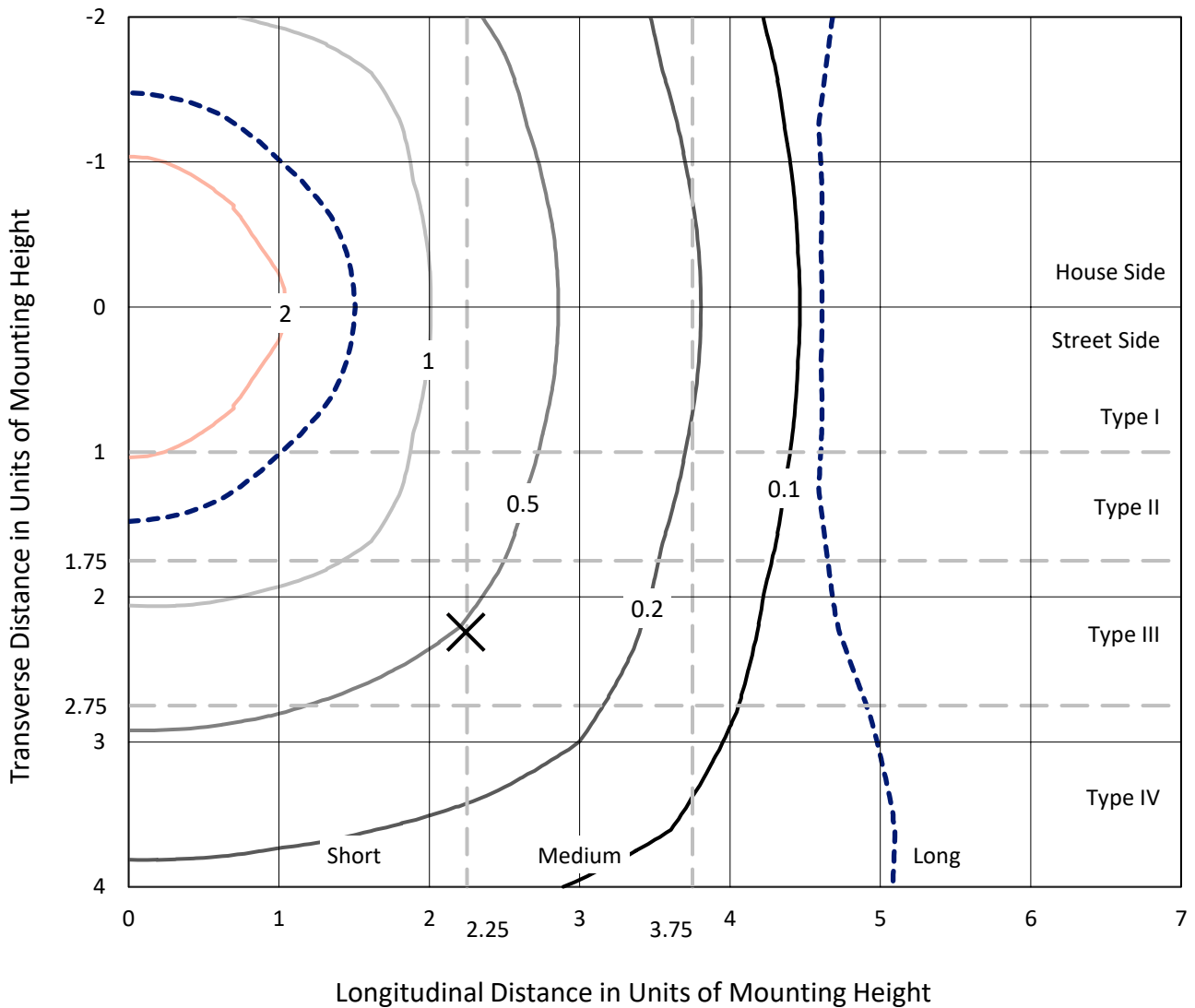
Input Watts (W): 261
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

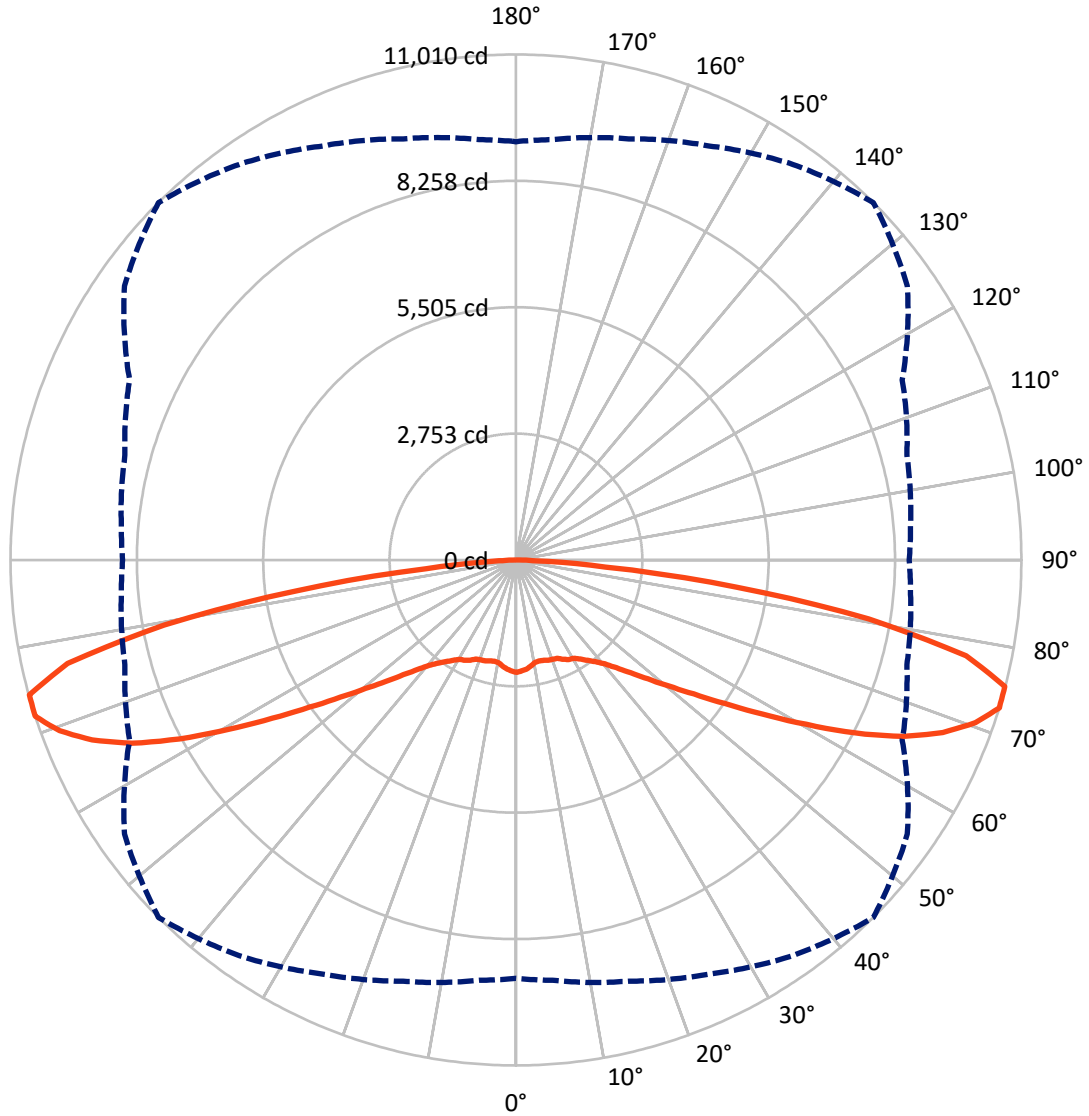
✕ Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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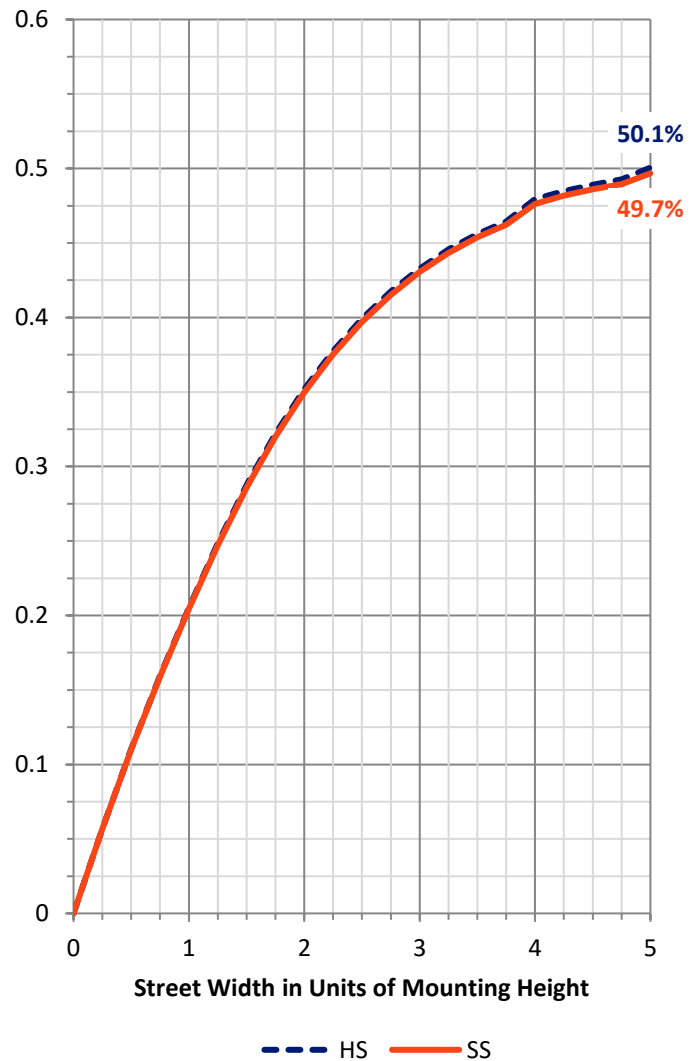
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	14809.0	0.0	14809.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	14809.0	0.0	14809.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	29618.0	0.0	29618.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	224.7	0.8
10°-20°	652.4	2.2
20°-30°	1108.5	3.7
30°-40°	1690.7	5.7
40°-50°	2784.0	9.4
50°-60°	4861.6	16.4
60°-70°	8150.6	27.5
70°-80°	8722.8	29.5
80°-90°	1422.7	4.8
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°	29618.0	100.0
0°-180°	29618.0	100.0

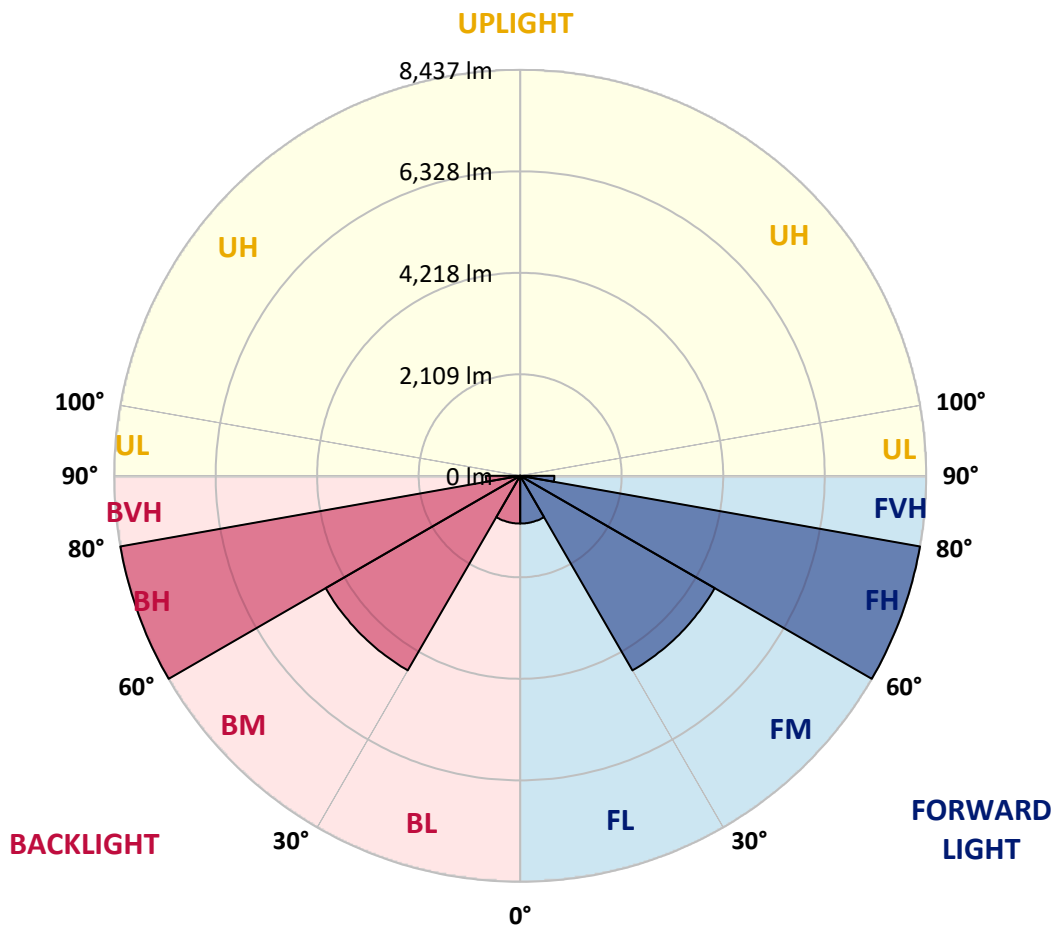


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	992.8	3.4			
FM (30°-60°)	4668.2	15.8			
FH (60°-80°)	8436.7	28.5			G4/12000
FVH (80°-90°)	711.3	2.4			G4/750
BL (0°-30°)	992.8	3.4	B2/1000		
BM (30°-60°)	4668.2	15.8	B3/5000		
BH (60°-80°)	8436.7	28.5	B5		G4/12000
BVH (80°-90°)	711.3	2.4			G4/750
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G4
 Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2450.9	2450.9	2450.9	2450.9	2450.9	2450.9	2450.9	2450.9	2450.9	2450.9	2450.9
2.5°	2435.8	2435.8	2435.8	2432.0	2424.4	2420.7	2413.1	2416.9	2416.9	2416.9	2416.9
5°	2405.5	2405.5	2401.8	2398.0	2390.4	2386.6	2379.1	2386.6	2386.6	2386.6	2386.6
7.5°	2348.8	2352.6	2352.6	2348.8	2337.5	2333.7	2322.3	2326.1	2326.1	2329.9	2326.1
10°	2318.5	2318.5	2314.8	2295.8	2276.9	2269.4	2265.6	2276.9	2288.3	2299.6	2299.6
12.5°	2318.5	2318.5	2311.0	2280.7	2254.2	2254.2	2254.2	2269.4	2292.1	2314.8	2318.5
15°	2329.9	2329.9	2314.8	2280.7	2265.6	2269.4	2269.4	2284.5	2311.0	2341.2	2345.0
17.5°	2337.5	2337.5	2318.5	2284.5	2284.5	2295.8	2288.3	2299.6	2326.1	2360.1	2363.9
20°	2348.8	2348.8	2322.3	2295.8	2295.8	2307.2	2307.2	2318.5	2341.2	2375.3	2379.1
22.5°	2371.5	2367.7	2341.2	2318.5	2318.5	2326.1	2333.7	2348.8	2367.7	2398.0	2405.5
25°	2398.0	2398.0	2375.3	2371.5	2379.1	2398.0	2394.2	2390.4	2398.0	2424.4	2435.8
27.5°	2413.1	2413.1	2398.0	2409.3	2439.6	2454.7	2435.8	2420.7	2420.7	2447.1	2450.9
30°	2462.3	2458.5	2443.4	2450.9	2477.4	2485.0	2473.6	2454.7	2466.1	2496.3	2500.1
32.5°	2545.5	2545.5	2522.8	2522.8	2541.7	2572.0	2534.1	2522.8	2537.9	2572.0	2575.7
35°	2674.1	2674.1	2643.8	2628.7	2643.8	2685.4	2628.7	2624.9	2651.4	2689.2	2693.0
37.5°	2836.7	2836.7	2817.8	2780.0	2783.8	2810.2	2761.1	2757.3	2806.5	2848.1	2848.1
40°	3041.0	3052.3	3033.4	2988.0	2972.9	2976.7	2938.8	2942.6	2999.4	3048.5	3048.5
42.5°	3294.4	3301.9	3271.7	3237.6	3218.7	3207.4	3169.6	3177.1	3245.2	3309.5	3309.5
45°	3600.7	3604.5	3574.3	3532.7	3510.0	3502.4	3464.6	3483.5	3559.1	3627.2	3623.4
47.5°	3944.9	3948.7	3918.5	3876.8	3861.7	3873.1	3835.2	3835.2	3903.3	3960.1	3952.5
50°	4334.5	4342.1	4308.0	4289.1	4277.8	4308.0	4262.6	4221.0	4266.4	4323.2	4315.6
52.5°	4765.7	4784.6	4761.9	4769.5	4811.1	4848.9	4773.2	4682.5	4705.2	4743.0	4731.6
55°	5287.6	5310.3	5317.9	5344.4	5454.1	5518.4	5393.5	5242.3	5230.9	5234.7	5215.8
57.5°	5873.9	5889.0	5938.2	5998.7	6225.6	6327.8	6131.1	5870.1	5786.9	5737.7	5726.4
60°	6463.9	6490.4	6611.4	6736.3	7084.2	7269.6	6967.0	6528.2	6350.5	6259.7	6240.8
62.5°	7057.7	7110.7	7307.4	7519.2	8026.0	8302.1	7836.9	7201.5	6944.3	6830.8	6800.6
65°	7746.1	7810.4	8048.7	8317.3	8880.8	9270.4	8706.8	7897.4	7621.3	7470.0	7432.2
67.5°	8551.8	8619.8	8812.7	9111.5	9644.8	10026.8	9527.6	8608.5	8249.2	8056.3	8026.0
70°	9213.7	9274.2	9482.2	9784.8	10181.9	10616.9	10140.3	9175.8	8850.6	8714.4	8695.5
72.5°	9111.5	9191.0	9497.3	9951.2	10518.5	11010.2	10408.9	9285.5	8816.5	8627.4	8566.9
75°	7957.9	8044.9	8408.0	9228.8	10265.1	10998.9	10019.3	8555.5	8003.3	7844.5	7814.2
77.5°	5268.7	5351.9	5964.7	7258.2	8964.0	10023.1	8843.0	7167.4	6278.6	5896.6	5873.9
80°	2129.4	2235.3	2821.6	4194.6	6354.2	7791.5	6558.5	4587.9	3093.9	2496.3	2375.3
82.5°	495.5	590.0	858.6	1547.0	3252.8	4852.7	3536.4	1713.4	994.7	707.3	635.4
85°	208.0	211.8	366.9	503.0	1017.4	1959.2	1157.4	624.1	506.8	370.7	363.1
87.5°	79.4	83.2	177.8	211.8	325.3	370.7	393.4	321.5	298.8	185.3	177.8
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)