

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: P479747

Luminaire Tested: **IFLD-L-SA8B-740-U-5WQ**

Issue Date: 02/26/2021



Test Information

Test Method: LM-79-08
Report Number: P479747
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA8B-740-U-5WQ
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 5WQ distribution lens
Light Source: (128) 4000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

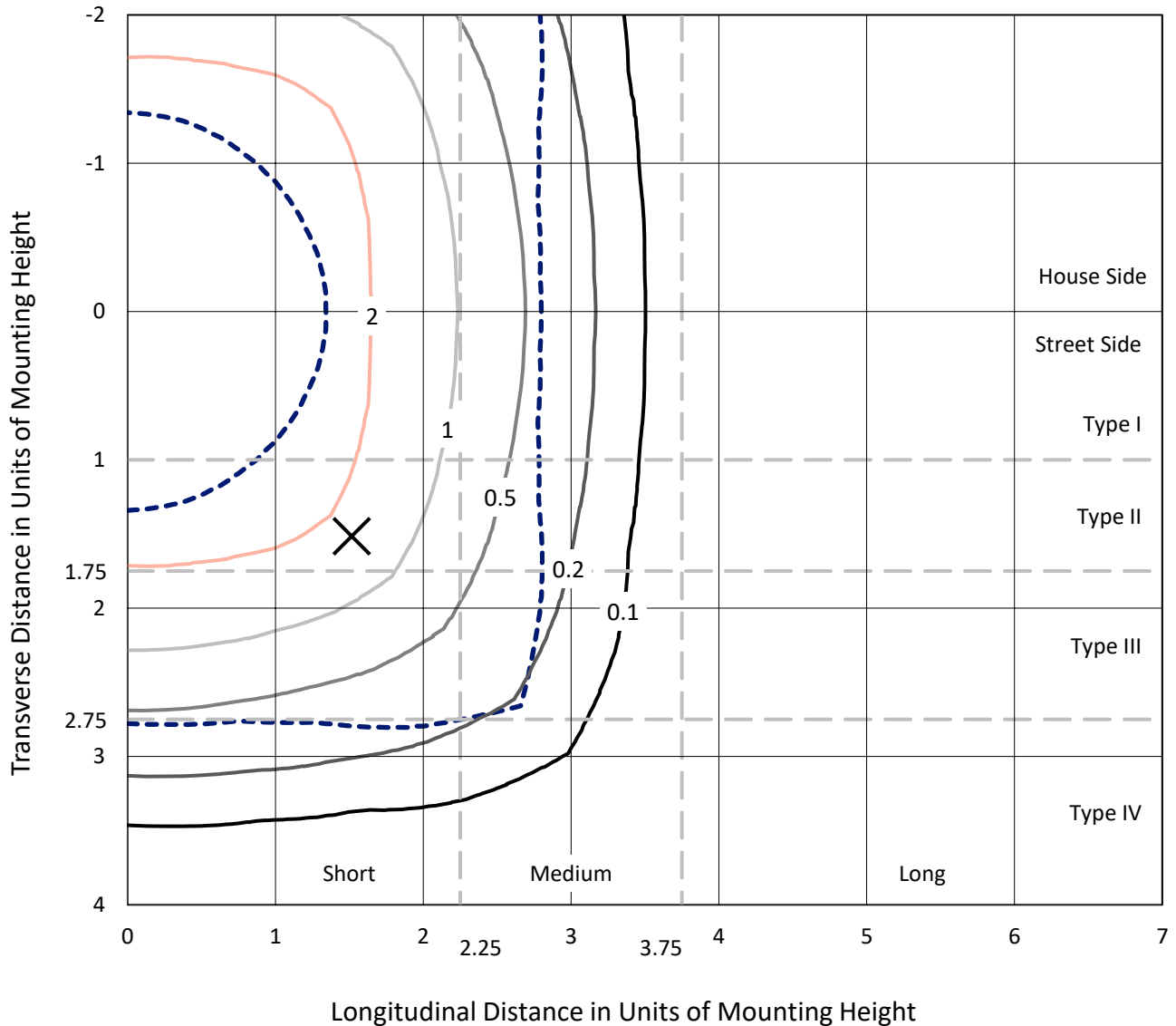
Lumens per Lamp: N/A
Luminaire Lumens: 41764.6 lumens
Efficiency: N/A
Efficacy: 130.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

Input Watts (W): 320
Input Voltage (V): 120
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

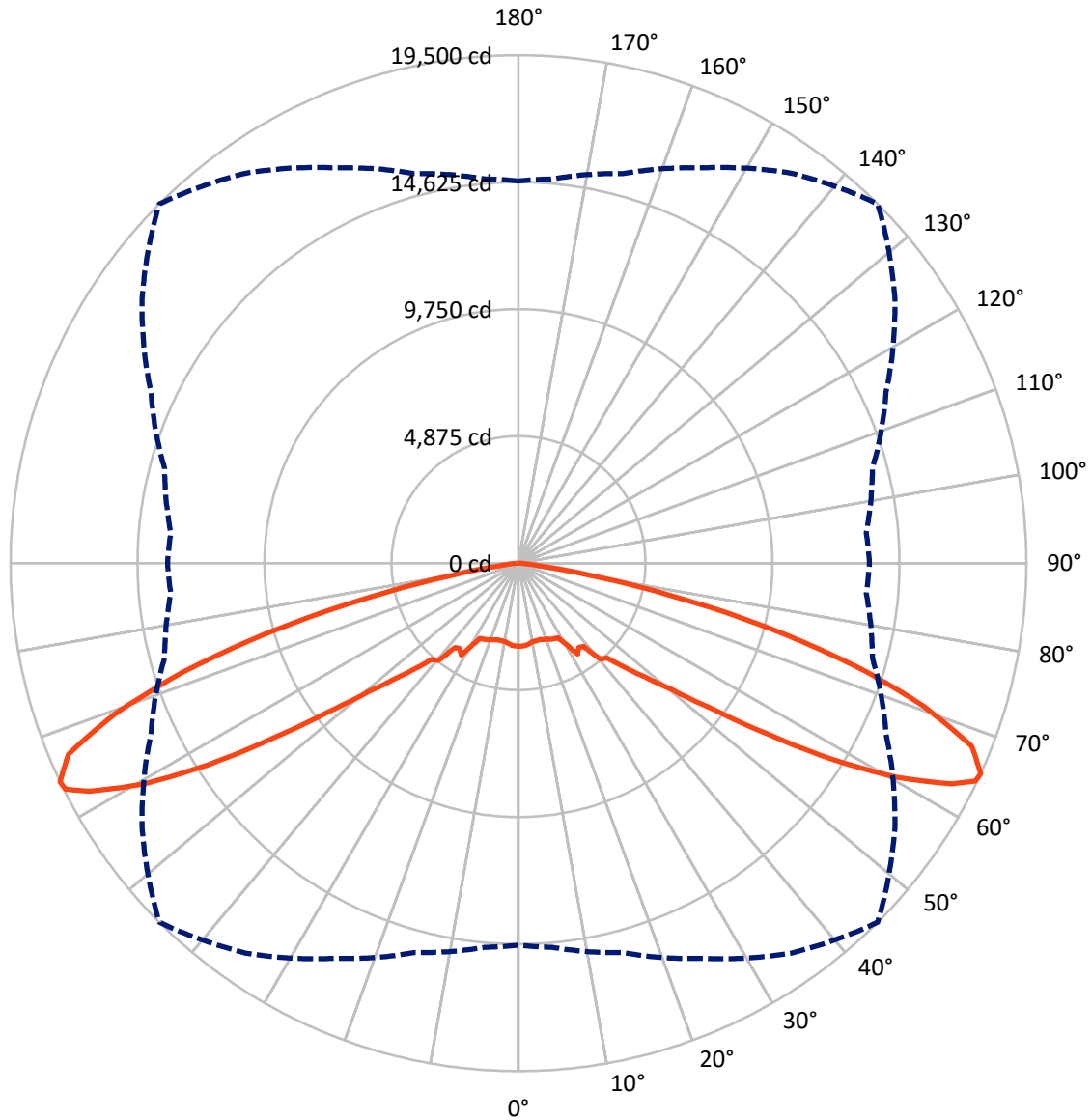
× Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 3.5 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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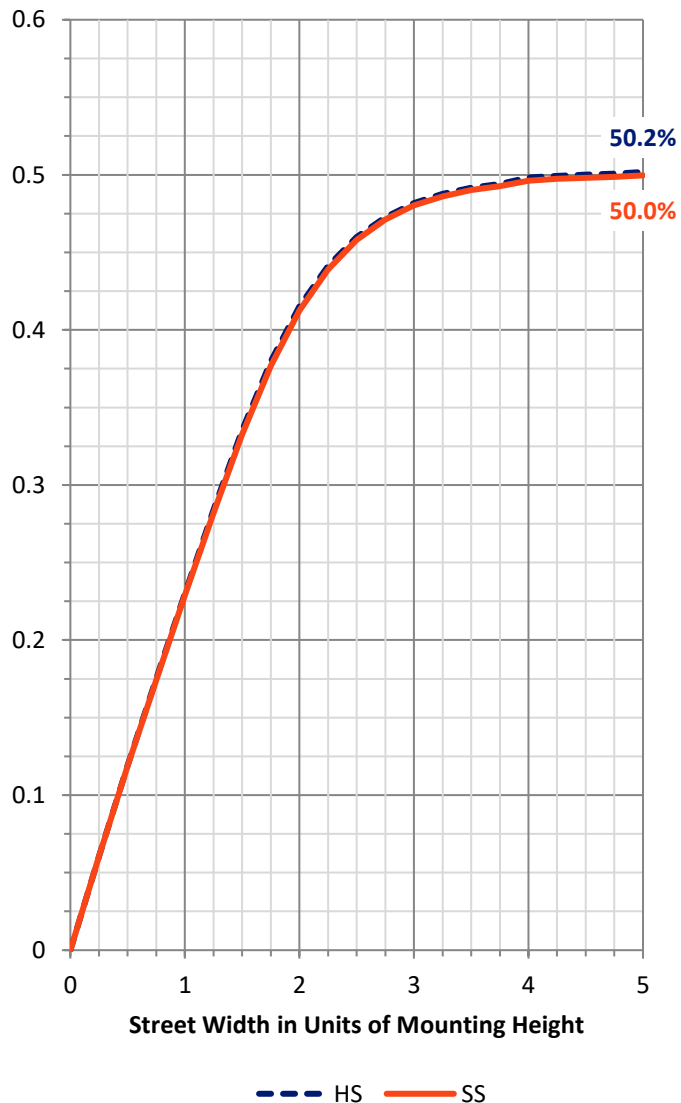
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	20882.3	0.0	20882.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	20882.3	0.0	20882.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	41764.6	0.0	41764.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	299.7	0.7
10°-20°	880.2	2.1
20°-30°	1523.6	3.6
30°-40°	2533.5	6.1
40°-50°	4570.8	10.9
50°-60°	10182.2	24.4
60°-70°	15174.7	36.3
70°-80°	6288.6	15.1
80°-90°	311.5	0.7
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°	41764.6	100.0
0°-180°	41764.6	100.0

Coefficient of Utilization



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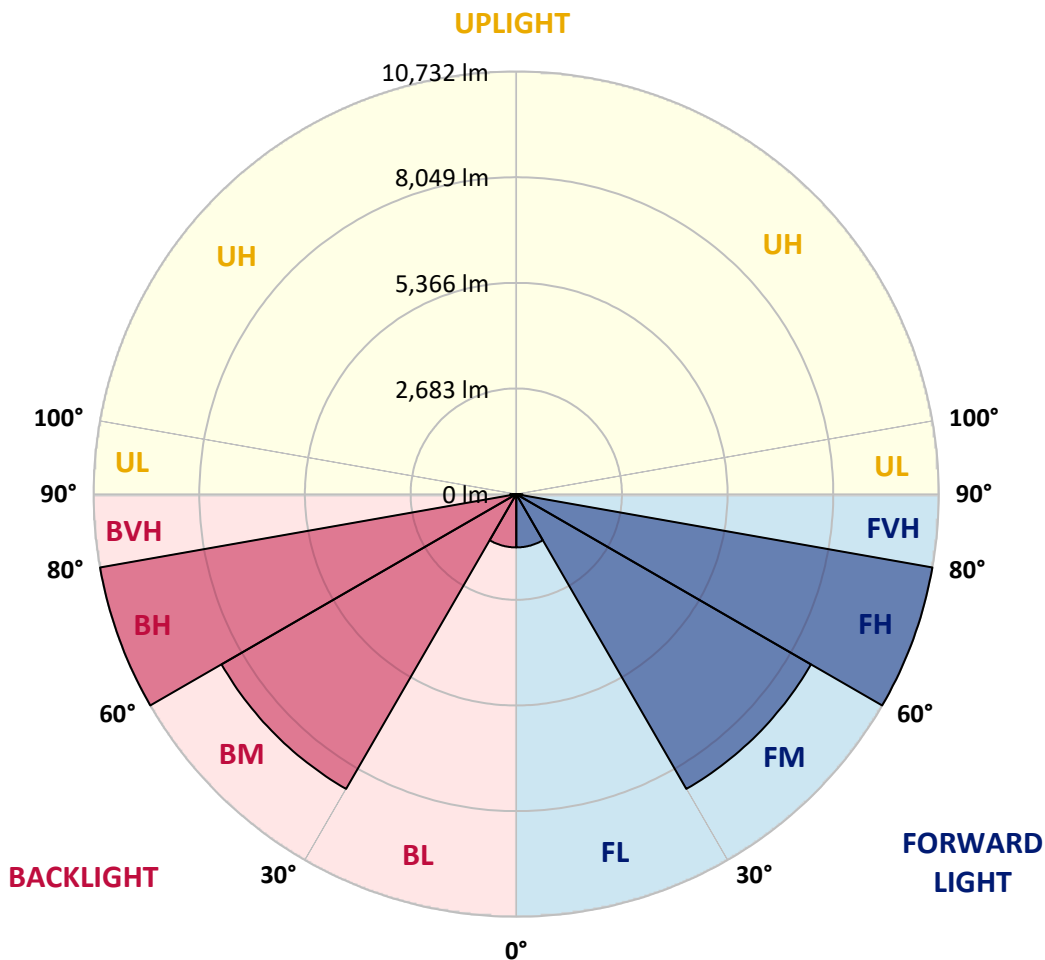
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1351.8	3.2			
FM (30°-60°)	8643.2	20.7			
FH (60°-80°)	10731.6	25.7			G4/12000
FVH (80°-90°)	155.7	0.4			G2/225
BL (0°-30°)	1351.8	3.2	B3/2500		
BM (30°-60°)	8643.2	20.7	B5		
BH (60°-80°)	10731.6	25.7	B5		G4/12000
BVH (80°-90°)	155.7	0.4			G2/225
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°	3193.2	3193.2	3193.2	3193.2	3193.2	3193.2	3193.2	3193.2	3193.2	3193.2	3193.2
2.5°	3156.2	3165.5	3160.9	3160.9	3174.7	3183.9	3188.5	3234.7	3216.2	3230.1	3216.2
5°	3165.5	3165.5	3174.7	3165.5	3174.7	3165.5	3174.7	3160.9	3174.7	3183.9	3197.8
7.5°	3147.0	3137.8	3123.9	3123.9	3119.3	3110.1	3096.3	3133.2	3114.7	3128.6	3151.6
10°	3151.6	3137.8	3091.6	3100.9	3059.3	3059.3	3068.6	3068.6	3110.1	3156.2	3170.1
12.5°	3151.6	3123.9	3110.1	3050.1	3050.1	3054.7	3077.8	3087.0	3114.7	3133.2	3179.3
15°	3151.6	3137.8	3114.7	3036.3	3054.7	3045.5	3068.6	3068.6	3128.6	3160.9	3183.9
17.5°	3170.1	3179.3	3137.8	3064.0	3068.6	3087.0	3073.2	3087.0	3160.9	3183.9	3216.2
20°	3174.7	3137.8	3123.9	3077.8	3119.3	3110.1	3105.5	3133.2	3156.2	3197.8	3234.7
22.5°	3165.5	3179.3	3123.9	3119.3	3156.2	3174.7	3183.9	3151.6	3179.3	3207.0	3239.3
25°	3243.9	3193.2	3179.3	3170.1	3188.5	3207.0	3197.8	3225.5	3225.5	3257.8	3299.3
27.5°	3456.2	3460.8	3433.1	3322.4	3285.4	3243.9	3262.4	3336.2	3423.9	3493.1	3506.9
30°	3553.1	3571.5	3645.4	3626.9	3613.1	3626.9	3622.3	3640.8	3650.0	3654.6	3640.8
32.5°	3640.8	3631.5	3599.2	3682.3	3954.5	4162.2	3963.8	3691.5	3631.5	3613.1	3631.5
35°	3959.2	3959.2	3889.9	3783.8	3926.8	3977.6	3885.3	3756.1	3829.9	3982.2	3991.5
37.5°	4369.8	4309.8	4337.5	4323.7	4166.8	4056.1	4217.6	4300.6	4314.5	4309.8	4356.0
40°	4614.4	4572.9	4531.3	4605.2	4748.2	4849.7	4706.7	4508.3	4559.0	4660.5	4619.0
42.5°	5172.7	5066.6	5075.8	5002.0	4997.4	4965.1	4932.8	4946.6	5020.5	5135.8	5154.3
45°	5744.9	5795.7	5763.4	5624.9	5689.5	5689.5	5597.3	5666.5	5703.4	5837.2	5855.7
47.5°	6640.1	6617.0	6630.9	6506.3	6501.7	6534.0	6501.7	6506.3	6621.7	6612.4	6561.7
50°	7687.6	7752.2	7770.6	7710.7	7636.8	7623.0	7572.2	7636.8	7706.0	7710.7	7669.1
52.5°	9136.5	9205.7	9205.7	9224.2	9316.5	9270.3	9261.1	9265.7	9131.9	9039.6	9085.7
55°	10963.8	10986.9	11065.3	11226.8	11508.3	11545.2	11369.9	11291.4	11046.9	10899.2	11014.6
57.5°	12768.0	12860.3	13077.2	13497.1	13843.2	14221.6	13714.0	13197.2	12717.3	12481.9	12523.5
60°	14267.7	14401.5	14816.8	15402.8	16362.6	16708.7	15850.4	14964.5	13990.8	13271.0	13561.7
62.5°	14973.7	15181.4	15532.1	16717.9	18157.6	18656.0	17396.3	15785.8	14309.2	13617.1	13603.2
64°	14978.3	15010.6	15712.0	16990.2	18471.4	19435.8	17770.0	15785.8	14387.7	13534.0	13690.9
65°	14669.2	14803.0	15481.3	16741.0	18273.0	19500.4	17640.8	15569.0	14064.7	13400.2	13474.0
67.5°	13266.4	13261.8	13889.3	15139.8	17267.1	18766.7	16542.6	14355.4	13266.4	12546.5	12634.2
70°	10064.0	10225.5	10825.4	12362.0	14941.4	16547.2	14466.1	12200.5	10843.8	10267.0	10234.7
72.5°	6021.8	6234.0	7000.0	8873.5	11605.2	13557.1	11480.6	9025.8	7392.3	6478.6	6501.7
75°	2745.6	2902.5	3428.5	4955.9	7733.7	9911.7	7779.9	5218.9	3742.3	3160.9	3077.8
77.5°	770.6	867.5	1158.2	2274.9	4245.2	5943.3	4365.2	2514.8	1633.5	1356.6	1328.9
80°	346.1	364.5	410.7	553.7	1347.4	2621.0	1804.2	922.9	613.7	507.6	484.5
82.5°	189.2	203.0	267.6	286.1	383.0	696.8	595.3	433.8	369.2	295.3	286.1
85°	106.1	110.7	152.3	152.3	184.6	203.0	216.9	230.7	226.1	166.1	161.5
87.5°	32.3	36.9	46.1	46.1	46.1	46.1	73.8	101.5	110.7	78.4	78.4
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)