

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: P479654

Luminaire Tested: **IFLD-S-SA6B-730-U-5WQ**

Issue Date: 02/26/2021



Test Information

Test Method: LM-79-08
Report Number: P479654
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6B-730-U-5WQ
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 5WQ distribution lens
Light Source: (96) 3000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

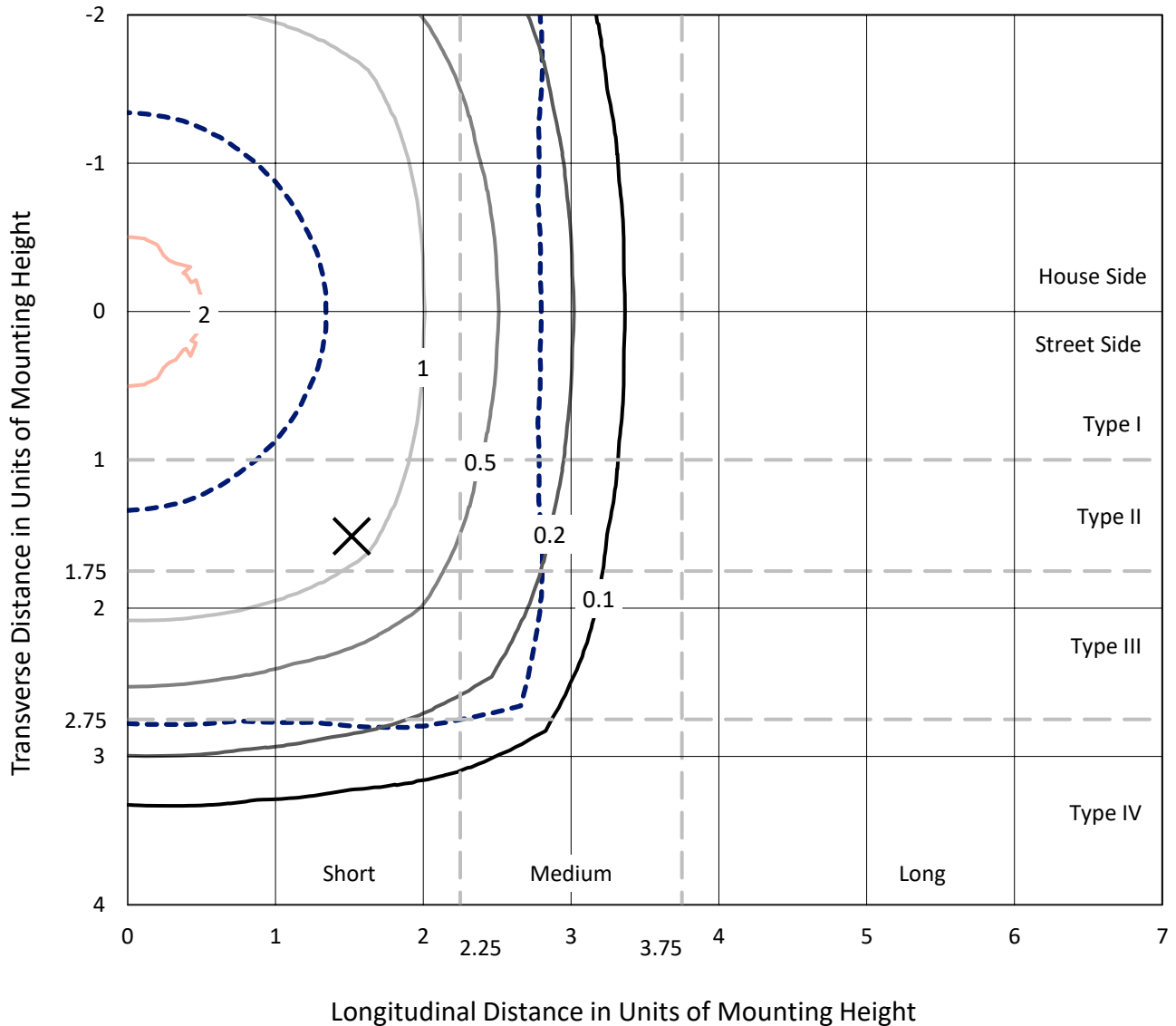
Lumens per Lamp: N/A
Luminaire Lumens: 31191.6 lumens
Efficiency: N/A
Efficacy: 127.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

Input Watts (W): 244.9
Input Voltage (V): 120
Input Current (A_{in}): 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

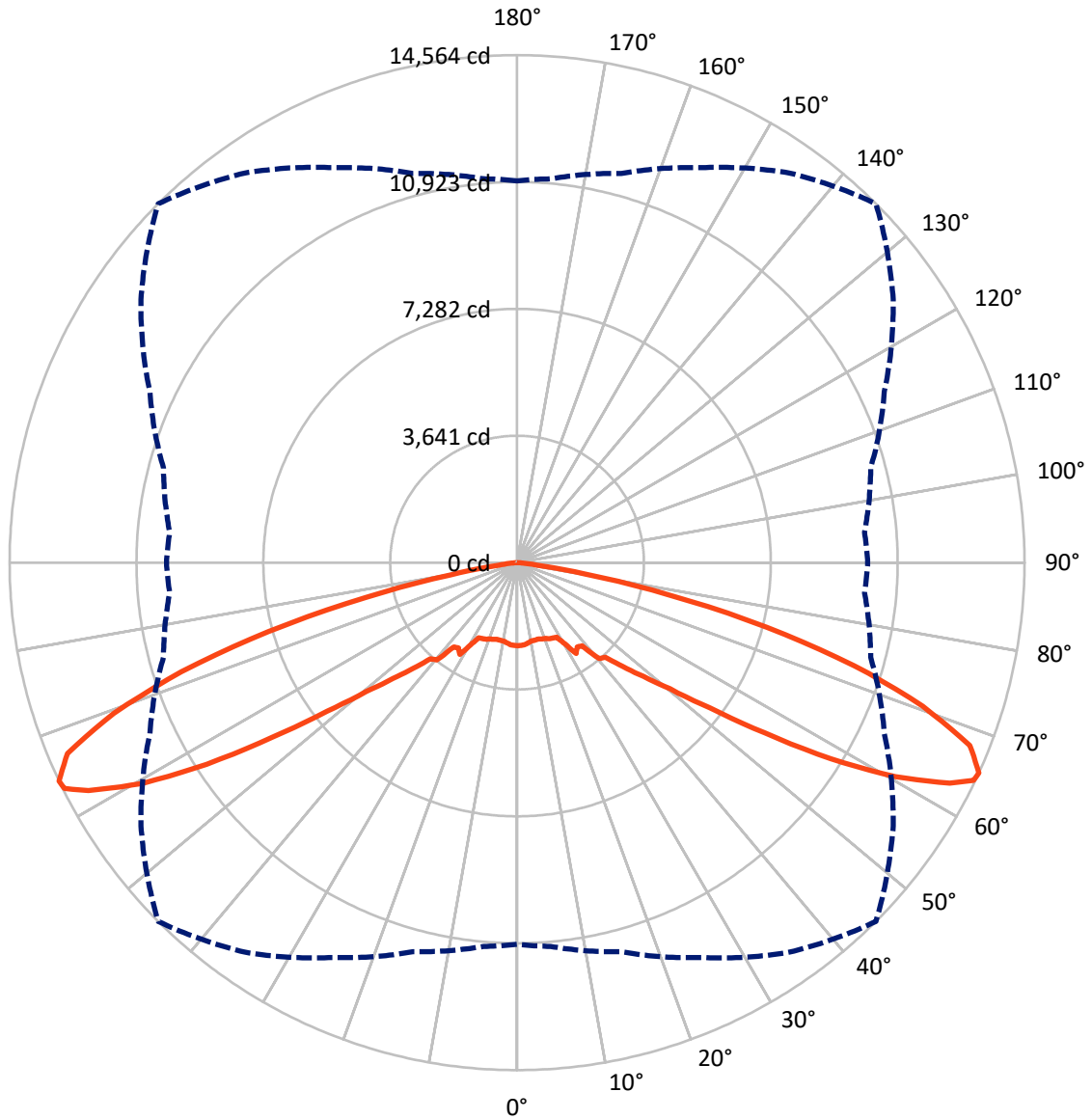
× Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 2.6 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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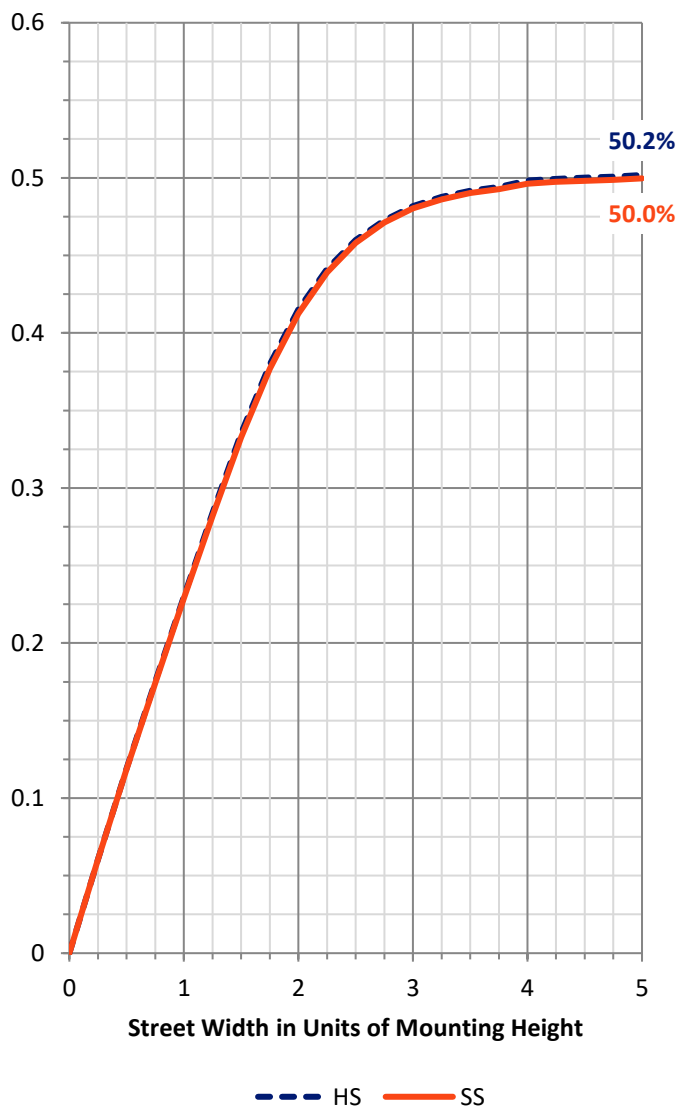
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	15595.8	0.0	15595.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	15595.8	0.0	15595.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	31191.6	0.0	31191.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	223.8	0.7
10°-20°	657.4	2.1
20°-30°	1137.9	3.6
30°-40°	1892.1	6.1
40°-50°	3413.7	10.9
50°-60°	7604.5	24.4
60°-70°	11333.1	36.3
70°-80°	4696.6	15.1
80°-90°	232.6	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°	31191.6	100.0
0°-180°	31191.6	100.0

Coefficient of Utilization



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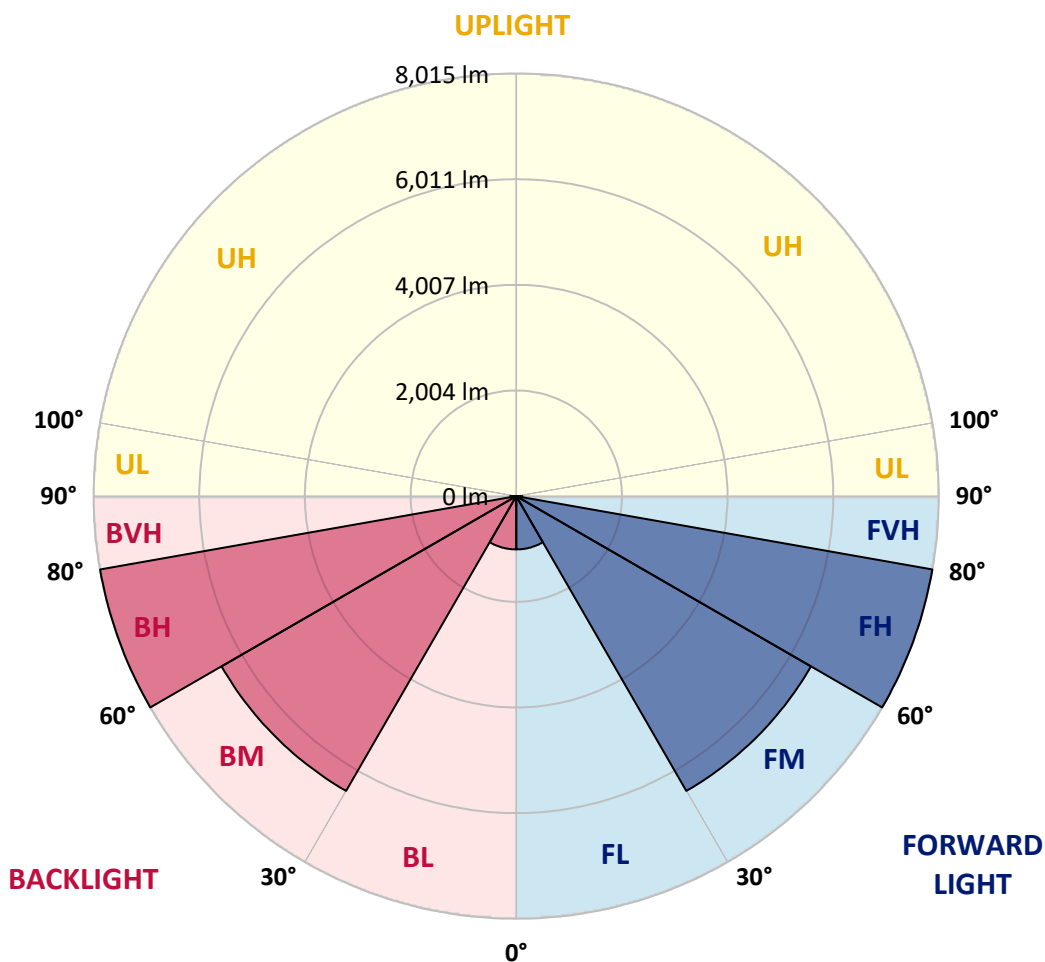
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1009.5	3.2			
FM (30°-60°)	6455.1	20.7			
FH (60°-80°)	8014.8	25.7			G4/12000
FVH (80°-90°)	116.3	0.4			G2/225
BL (0°-30°)	1009.5	3.2	B3/2500		
BM (30°-60°)	6455.1	20.7	B4/8500		
BH (60°-80°)	8014.8	25.7	B5		G4/12000
BVH (80°-90°)	116.3	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°	2384.8	2384.8	2384.8	2384.8	2384.8	2384.8	2384.8	2384.8	2384.8	2384.8	2384.8
2.5°	2357.2	2364.1	2360.7	2360.7	2371.0	2377.9	2381.3	2415.8	2402.0	2412.4	2402.0
5°	2364.1	2364.1	2371.0	2364.1	2371.0	2364.1	2371.0	2360.7	2371.0	2377.9	2388.2
7.5°	2350.3	2343.4	2333.1	2333.1	2329.7	2322.8	2312.4	2340.0	2326.2	2336.5	2353.8
10°	2353.8	2343.4	2309.0	2315.9	2284.8	2284.8	2291.7	2291.7	2322.8	2357.2	2367.6
12.5°	2353.8	2333.1	2322.8	2278.0	2278.0	2281.4	2298.6	2305.5	2326.2	2340.0	2374.5
15°	2353.8	2343.4	2326.2	2267.6	2281.4	2274.5	2291.7	2291.7	2336.5	2360.7	2377.9
17.5°	2367.6	2374.5	2343.4	2288.3	2291.7	2305.5	2295.2	2305.5	2360.7	2377.9	2402.0
20°	2371.0	2343.4	2333.1	2298.6	2329.7	2322.8	2319.3	2340.0	2357.2	2388.2	2415.8
22.5°	2364.1	2374.5	2333.1	2329.7	2357.2	2371.0	2377.9	2353.8	2374.5	2395.1	2419.3
25°	2422.7	2384.8	2374.5	2367.6	2381.3	2395.1	2388.2	2408.9	2408.9	2433.0	2464.1
27.5°	2581.2	2584.7	2564.0	2481.3	2453.7	2422.7	2436.5	2491.6	2557.1	2608.8	2619.1
30°	2653.6	2667.4	2722.5	2708.7	2698.4	2708.7	2705.3	2719.1	2726.0	2729.4	2719.1
32.5°	2719.1	2712.2	2688.1	2750.1	2953.4	3108.5	2960.3	2757.0	2712.2	2698.4	2712.2
35°	2956.9	2956.9	2905.2	2825.9	2932.7	2970.6	2901.7	2805.2	2860.4	2974.1	2981.0
37.5°	3263.6	3218.8	3239.5	3229.1	3111.9	3029.2	3149.9	3211.9	3222.2	3218.8	3253.2
40°	3446.2	3415.2	3384.2	3439.3	3546.2	3622.0	3515.2	3367.0	3404.9	3480.7	3449.7
42.5°	3863.2	3784.0	3790.9	3735.7	3732.3	3708.1	3684.0	3694.4	3749.5	3835.7	3849.4
45°	4290.6	4328.5	4304.3	4201.0	4249.2	4249.2	4180.3	4232.0	4259.5	4359.5	4373.3
47.5°	4959.1	4941.9	4952.2	4859.2	4855.7	4879.9	4855.7	4859.2	4945.3	4938.4	4900.5
50°	5741.4	5789.7	5803.4	5758.6	5703.5	5693.2	5655.3	5703.5	5755.2	5758.6	5727.6
52.5°	6823.5	6875.2	6875.2	6889.0	6957.9	6923.5	6916.6	6920.0	6820.1	6751.2	6785.6
55°	8188.2	8205.5	8264.1	8384.7	8594.9	8622.5	8491.5	8432.9	8250.3	8140.0	8226.1
57.5°	9535.7	9604.6	9766.6	10080.2	10338.7	10621.3	10242.2	9856.2	9497.8	9322.0	9353.1
60°	10655.7	10755.7	11065.8	11503.5	12220.3	12478.8	11837.8	11176.1	10449.0	9911.4	10128.5
62.5°	11183.0	11338.1	11600.0	12485.7	13560.9	13933.1	12992.3	11789.5	10686.8	10169.8	10159.5
64°	11186.5	11210.6	11734.4	12689.0	13795.3	14515.5	13271.4	11789.5	10745.3	10107.8	10225.0
65°	10955.6	11055.5	11562.1	12502.9	13647.1	14563.8	13174.9	11627.6	10504.1	10007.8	10063.0
67.5°	9907.9	9904.5	10373.1	11307.1	12895.8	14015.8	12354.7	10721.2	9907.9	9370.3	9435.8
70°	7516.2	7636.8	8084.9	9232.4	11158.9	12358.2	10803.9	9111.8	8098.6	7667.9	7643.7
72.5°	4497.3	4655.9	5227.9	6627.1	8667.3	10125.0	8574.2	6740.8	5520.9	4838.5	4855.7
75°	2050.5	2167.7	2560.5	3701.2	5775.9	7402.5	5810.3	3897.7	2794.9	2360.7	2298.6
77.5°	575.5	647.9	865.0	1699.0	3170.5	4438.7	3260.1	1878.2	1220.0	1013.2	992.5
80°	258.5	272.3	306.7	413.5	1006.3	1957.5	1347.5	689.2	458.3	379.1	361.9
82.5°	141.3	151.6	199.9	213.7	286.0	520.4	444.6	323.9	275.7	220.6	213.7
85°	79.3	82.7	113.7	113.7	137.8	151.6	162.0	172.3	168.9	124.1	120.6
87.5°	24.1	27.6	34.5	34.5	34.5	34.5	55.1	75.8	82.7	58.6	58.6
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)