

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: P479770

Luminaire Tested: **IFLD-S-SA6A-750-U-5WQ**

Issue Date: 02/26/2021



Test Information

Test Method: LM-79-08
Report Number: P479770
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6A-750-U-5WQ
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 5WQ distribution lens
Light Source: (96) 5000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

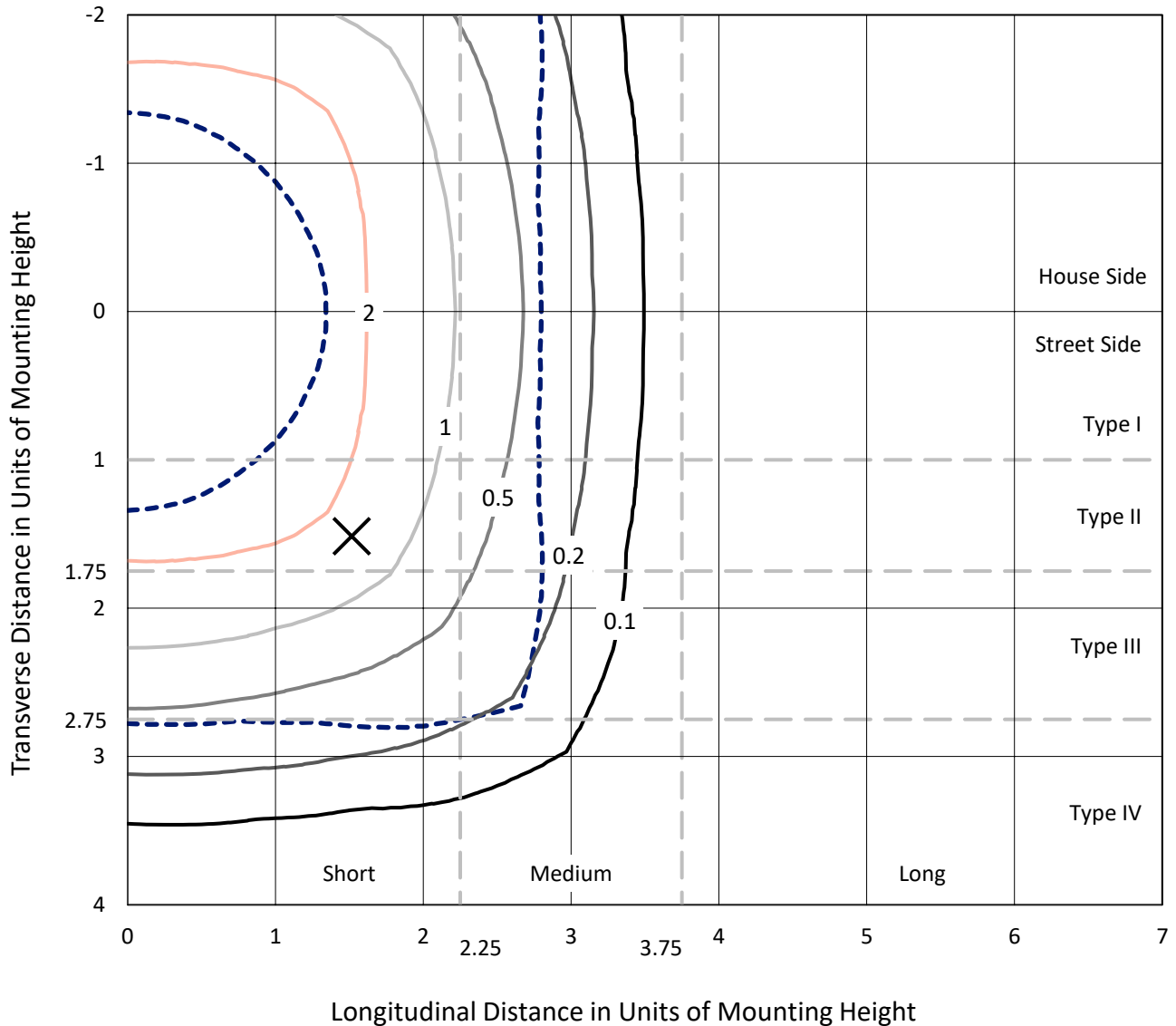
Lumens per Lamp: N/A
Luminaire Lumens: 28331.1 lumens
Efficiency: N/A
Efficacy: 149.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

Input Watts (W): 189.6
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

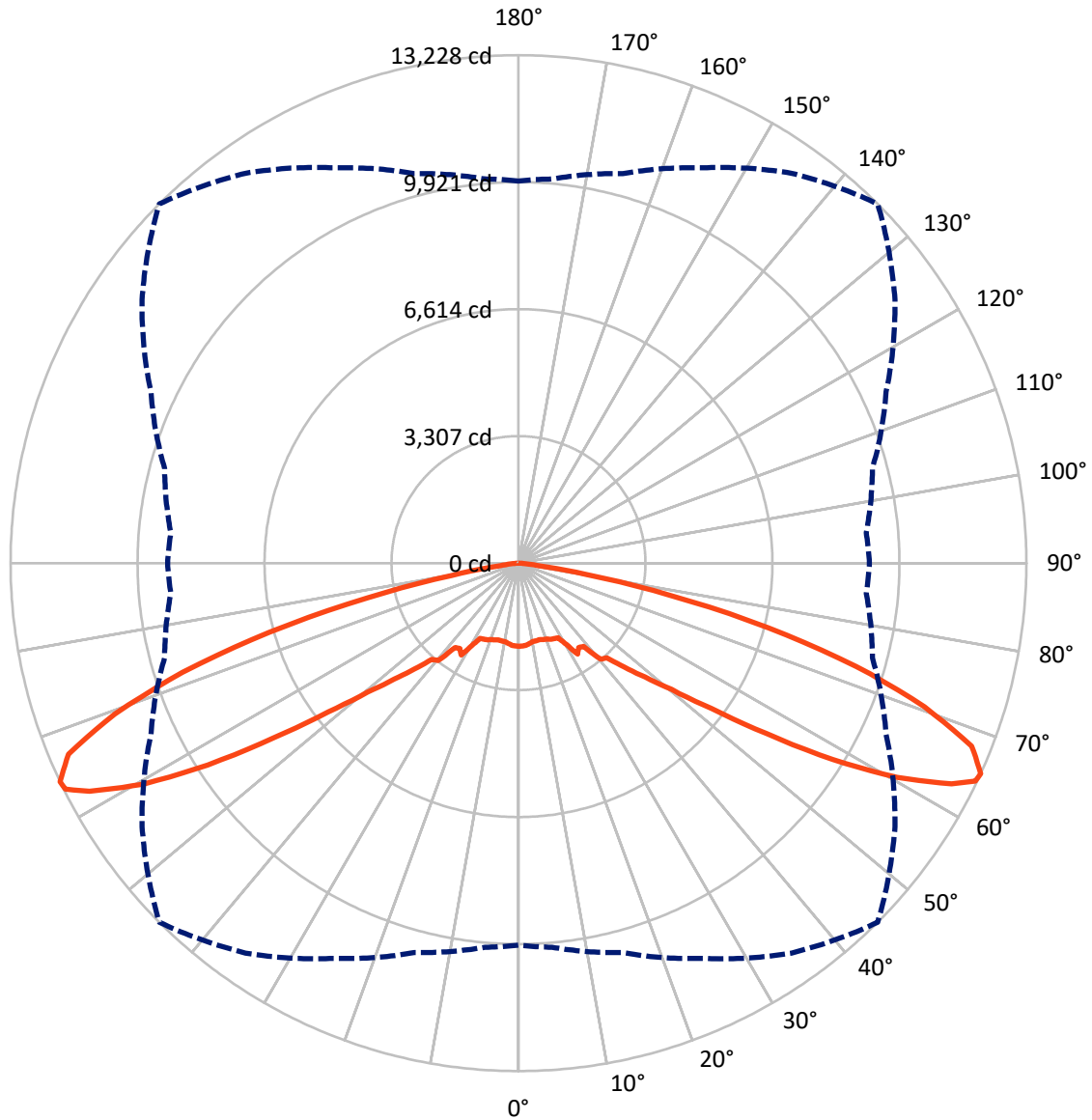
✕ Max cd
 - - - 1/2 Max cd



Based on 25 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	14165.5	0.0	14165.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	14165.5	0.0	14165.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	28331.1	0.0	28331.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	203.3	0.7
10°-20°	597.1	2.1
20°-30°	1033.5	3.6
30°-40°	1718.6	6.1
40°-50°	3100.6	10.9
50°-60°	6907.1	24.4
60°-70°	10293.8	36.3
70°-80°	4265.9	15.1
80°-90°	211.3	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°	28331.1	100.0
0°-180°	28331.1	100.0

Coefficient of Utilization



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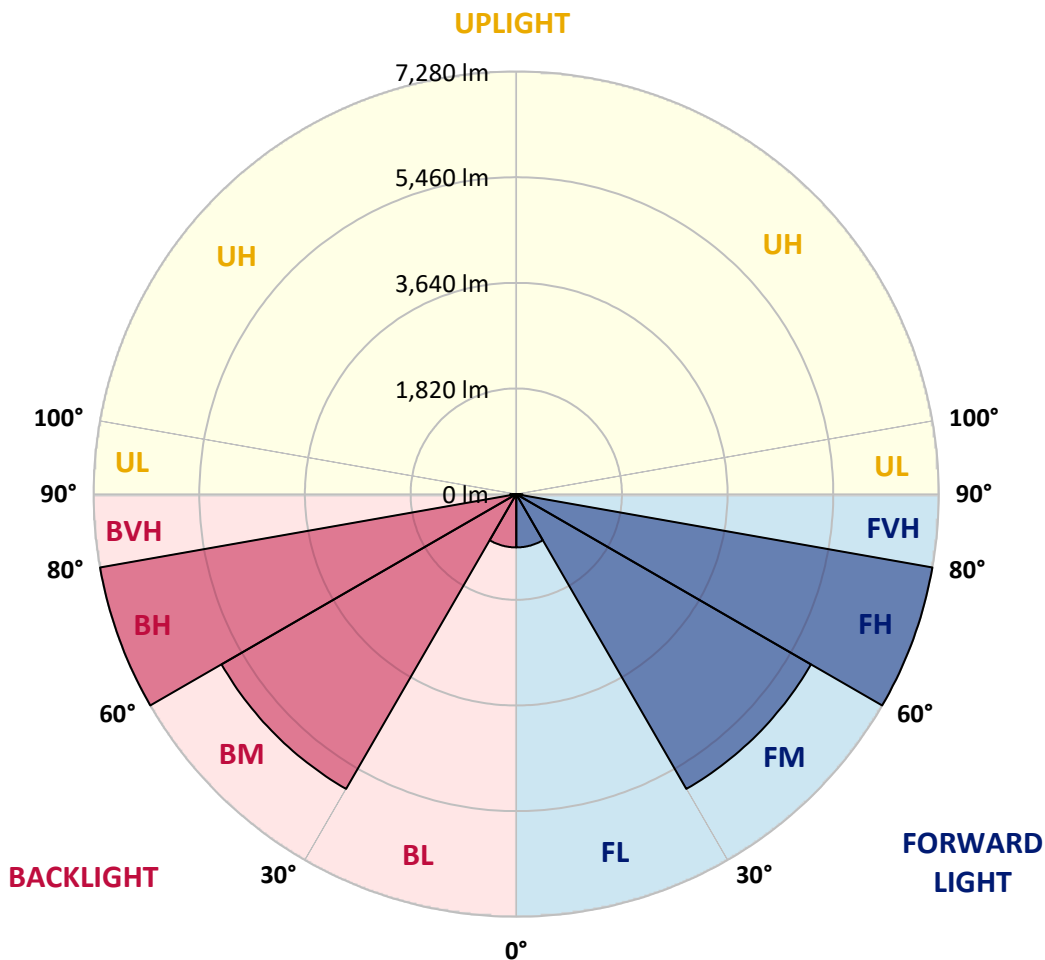
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	917.0	3.2			
FM (30°-60°)	5863.1	20.7			
FH (60°-80°)	7279.8	25.7			G3/7500
FVH (80°-90°)	105.6	0.4			G2/225
BL (0°-30°)	917.0	3.2	B2/1000		
BM (30°-60°)	5863.1	20.7	B4/8500		
BH (60°-80°)	7279.8	25.7	B5		G3/7500
BVH (80°-90°)	105.6	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-G3

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2166.1	2166.1	2166.1	2166.1	2166.1	2166.1	2166.1	2166.1	2166.1	2166.1	2166.1
2.5°	2141.0	2147.3	2144.2	2144.2	2153.6	2159.8	2163.0	2194.3	2181.7	2191.1	2181.7
5°	2147.3	2147.3	2153.6	2147.3	2153.6	2147.3	2153.6	2144.2	2153.6	2159.8	2169.2
7.5°	2134.8	2128.5	2119.1	2119.1	2116.0	2109.7	2100.4	2125.4	2112.9	2122.3	2137.9
10°	2137.9	2128.5	2097.2	2103.5	2075.3	2075.3	2081.6	2081.6	2109.7	2141.0	2150.4
12.5°	2137.9	2119.1	2109.7	2069.0	2069.0	2072.2	2087.8	2094.1	2112.9	2125.4	2156.7
15°	2137.9	2128.5	2112.9	2059.7	2072.2	2065.9	2081.6	2081.6	2122.3	2144.2	2159.8
17.5°	2150.4	2156.7	2128.5	2078.4	2081.6	2094.1	2084.7	2094.1	2144.2	2159.8	2181.7
20°	2153.6	2128.5	2119.1	2087.8	2116.0	2109.7	2106.6	2125.4	2141.0	2169.2	2194.3
22.5°	2147.3	2156.7	2119.1	2116.0	2141.0	2153.6	2159.8	2137.9	2156.7	2175.5	2197.4
25°	2200.5	2166.1	2156.7	2150.4	2163.0	2175.5	2169.2	2188.0	2188.0	2209.9	2238.1
27.5°	2344.5	2347.6	2328.9	2253.7	2228.7	2200.5	2213.0	2263.1	2322.6	2369.5	2378.9
30°	2410.2	2422.8	2472.8	2460.3	2450.9	2460.3	2457.2	2469.7	2476.0	2479.1	2469.7
32.5°	2469.7	2463.5	2441.5	2497.9	2682.6	2823.4	2688.8	2504.1	2463.5	2450.9	2463.5
35°	2685.7	2685.7	2638.7	2566.7	2663.8	2698.2	2635.6	2548.0	2598.1	2701.3	2707.6
37.5°	2964.3	2923.6	2942.4	2933.0	2826.6	2751.4	2861.0	2917.3	2926.7	2923.6	2954.9
40°	3130.2	3102.0	3073.8	3123.9	3221.0	3289.8	3192.8	3058.2	3092.6	3161.5	3133.3
42.5°	3508.9	3436.9	3443.2	3393.1	3390.0	3368.1	3346.2	3355.6	3405.6	3483.9	3496.4
45°	3897.1	3931.5	3909.6	3815.7	3859.5	3859.5	3796.9	3843.9	3868.9	3959.7	3972.2
47.5°	4504.3	4488.7	4498.1	4413.6	4410.4	4432.3	4410.4	4413.6	4491.8	4485.5	4451.1
50°	5214.9	5258.7	5271.2	5230.5	5180.4	5171.1	5136.6	5180.4	5227.4	5230.5	5202.4
52.5°	6197.8	6244.7	6244.7	6257.2	6319.8	6288.5	6282.3	6285.4	6194.6	6132.0	6163.3
55°	7437.3	7453.0	7506.2	7615.7	7806.7	7831.7	7712.8	7659.6	7493.7	7393.5	7471.7
57.5°	8661.2	8723.8	8870.9	9155.8	9390.5	9647.2	9302.9	8952.3	8626.8	8467.1	8495.3
60°	9678.5	9769.3	10051.0	10448.5	11099.6	11334.4	10752.2	10151.2	9490.7	9002.4	9199.6
62.5°	10157.4	10298.3	10536.2	11340.6	12317.3	12655.3	11800.8	10708.3	9706.7	9237.2	9227.8
64°	10160.6	10182.5	10658.3	11525.3	12530.1	13184.3	12054.3	10708.3	9759.9	9180.8	9287.2
65°	9950.8	10041.6	10501.8	11356.3	12395.5	13228.1	11966.7	10561.2	9540.8	9090.0	9140.1
67.5°	8999.3	8996.1	9421.8	10270.1	11713.1	12730.4	11221.7	9738.0	8999.3	8511.0	8570.4
70°	6826.9	6936.5	7343.4	8385.8	10135.5	11224.8	9813.1	8276.2	7355.9	6964.7	6942.7
72.5°	4084.9	4228.9	4748.5	6019.3	7872.4	9196.5	7787.9	6122.6	5014.5	4394.8	4410.4
75°	1862.5	1968.9	2325.7	3361.8	5246.2	6723.6	5277.5	3540.2	2538.6	2144.2	2087.8
77.5°	522.7	588.5	785.7	1543.2	2879.8	4031.7	2961.2	1705.9	1108.1	920.3	901.5
80°	234.8	247.3	278.6	375.6	914.0	1777.9	1223.9	626.0	416.3	344.3	328.7
82.5°	128.3	137.7	181.6	194.1	259.8	472.7	403.8	294.2	250.4	200.3	194.1
85°	72.0	75.1	103.3	103.3	125.2	137.7	147.1	156.5	153.4	112.7	109.6
87.5°	21.9	25.0	31.3	31.3	31.3	31.3	50.1	68.9	75.1	53.2	53.2
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)